

PROPOSTA COMERCIAL

À Fundação Norte Rio-grandense de pesquisa e Cultura - FUNPEC
Comissão de Seleção Pública
Campus Universitário, s/ n, Lagoa Nova – Natal/RN

Prezados Senhores,

O objeto da presente proposta é o fornecimento dos itens abaixo relacionados, para a FUNPEC, nos termos da SELEÇÃO PÚBLICA Nº 030/2025-FUNPEC.

Ofertamos os seguintes valores, conforme relacionado a seguir, incluídas todas as despesas como as de encargos fiscais, comerciais, sociais, trabalhistas, fretes e outros pertinentes ao objeto:

Item	Descrição	Marca	Qtd.	Vr. Unit.	Vr. Total
1	Servidor Rack PowerEdge R6625 Trusted Platform Module (TPM) Trusted Platform Module 2.0 V3 Configuração de Chassi Chassi de 2,5" com até 10 unidades Processador AMD EPYC 9124 de 3 GHz, 16 núcleos/32 threads, 64 MB de cache (200 W) DDR5-4800 Configuração térmica do processador Dissipador de calor para configuração de 1 CPU (CPU menor ou igual a 240 W) Tipo de configuração da memória Performance otimizada Tipo e velocidade de memória DIMM 5600MT/s RDIMMs Memória (8) 16GB RDIMM, 5600MT/s, Single Rank RAID Controlador RAID PERC H755 com suportes de carga na parte traseira Armazenamento (6) SSD de 1.92TB SATA RI 6Gbps 512 2.5" Hot Plug AG Drive, 1 DWPD Cartões de armazenamento com boot otimizado Placa controladora BOSS-N1 + com 2 M.2 960 GB (RAID 1) Definições das configurações avançadas do sistema e do BIOS Configuração de performance do BIOS Configurações avançadas do sistema Modo de boot do BIOS UEFI com partição GPT Ventiladores Ventilador de alto desempenho x4 Fonte de alimentação Dupla, hot plug, fonte de alimentação totalmente redundante (1+1), 1.100 W, modo misto, NAF Cabo de alimentação (2) NBR 14136 2P+T a C13, 250 V, 10 A, 2	DELL	01	R\$ 118.450,00	R\$ 118.450,00

m, cabo de alimentação (Brasil) PCIe Riser Configuração do riser 2, 1 x16 LP (4ª geração) + 2 x16 LP (5ª geração) Placa-mãe PowerEdge R6625 Motherboard Network Daughter Card (NDC) Broadcom 57414 de duas portas de 10/25 GbE SFP28, OCP NIC 3.0 Sistema operacional Sem sistema operacional Kits de mídia do sistema operacional Não requer mídia Gerenciamento de sistemas integrado Dell Connectivity Client - Enabled; iDRAC9, Enterprise 16G Sync Quick Sync 2 (gerenciamento de fábrica) Senha Senha gerada de fábrica pelo iDRAC9 para placas OCP Gerente do Grupo iDRAC Group Manager, desativado Trilhos de rack Trilhos estáticos ReadyRails para racks de 2/4 postes sem braço de gerenciamento de cabos ou barra de alívio de tensão Acessórios: Unidades ópticas e cabos para placas de rede (2) Transceptor óptico SFP28 SR, 25 GbE, 85 °C, para todas as portas SFP28 Garantia: Assistência técnica 3 anos de serviço ProSupport Serviços de implementação Basic Deploy - Instalação física básica presencial em horário comercial				
TOTAL GLOBAL - R\$ 118.450,00 (Cento e dezoito mil e quatrocentos e cinquenta reais)				

1.1. Declaramos, nos valores acima discriminados, estão incluindo todos os custos diretos e indiretos necessários à completa e perfeita realização do fornecimento, objeto desta licitação, incluindo todos os tributos, taxas, fretes CIF, seguros, encargos trabalhistas, previdenciários, fiscais e comerciais e quaisquer outros encargos necessários ao cumprimento total da obrigação;

1.2. A validade da proposta: 90 dias.

1.3. O prazo de entrega: 75 dias.

1.4. A forma de pagamento: de 28 dias

1.5..Local de entrega

Dados da Empresa

Razão Social: POWER TEC TECNOLOGIA EM INFORMATICA LTDA

CNPJ: 09.298.794/0001-96

Endereço Comercial: RUA CASTELO Nº 159 – SALAS 201, SERRAMAR – SERRA/ES

CEP: 29.182-195

Telefone/Fax: (34)98800-0110

E-mail: comercial@powertecinformatica.com.br
junior@powertecinformatica.com.br

Inscrição Estadual: 084.026.32-4

Inscrição Municipal: 8525622

Dados Bancários

Banco: 001

Agência: 210-0

Conta Corrente: 75846-9



Rua Castelo, 159 – Sala 201
TEL (27) 98809-2427
Serramar – Serra – ES
Cep 29.182-195

Representante Legal

Nome: MARCELO PEREIRA GUIMARÃES
Cargo/Profissão: ADMINISTRADOR/GERENTE
Estado Civil: SOLTEIRA
Nacionalidade: BRASILEIRO
RG: MG-6.580.394/SSP-MG
Endereço Residencial: RUA CAPITÃO JOSE PORFIRIO, Nº488, CENTRO – ARAXÁ / MG
CEP: 38.183-038
Telefone: (34) 98811-4680

Naturalidade: ARAXÁ/MG

CPF: 927.769.576-53

Serra / ES, 10 de dezembro de 2025

POWER TEC
TECNOLOGIA EM
INFORMATICA
LTDA:09298794000196

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INFORMATICA
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POWER TEC TECNOLOGIA EM INFORMÁTICA
09.298.794/0001-96

4ª ALTERAÇÃO CONTRATUAL CONSOLIDADA
POWER TEC TECNOLOGIA EM INFORMATICA LTDA ME

MARCELO PEREIRA GUIMARAES, brasileiro, solteiro, Empresário, nascido em 15/11/1976, natural de Araxá - MG, inscrito no CPF nº 927.769.576-53 e portador da carteira de identidade nº: MG-6.580.394 SSP/MG, residente e domiciliado à Rua Capitão José Porfírio, nº 488, Centro – Araxá/MG – CEP 38.183-038.

Único sócio componente da sociedade empresária limitada “**POWER TEC TECNOLOGIA EM INFORMATICA LTDA ME**”, com sede na Rua E, nº 5, Sala 201 – Parque Santa Fé – Serra/ES – CEP 29.182-092, inscrita no CNPJ sob o nº 09.298.794/0001-96, com ato constitutivo arquivado na JUCEES sob nº 32203059197 em 18/01/2023, resolvem em pleno acordo consolidar o contrato social primitivo e posteriores alterações mediante cláusulas e condições seguintes:

CLÁUSULA PRIMEIRA– SEDE - A Sociedade passa a ter a sua sede social á Rua Castelo, nº 159, Sala 01 – Serramar – Serra/ES – CEP 29.182-195.

CLÁUSULA SEGUNDA – CAPITAL SOCIAL - O capital social passa a ser de R\$ 300.000,00 (Trezentos mil reais), divididos em 300.000 (Trezentas mil) cotas, no valor nominal de R\$ 1,00 (um real) cada, integralizadas, em moeda corrente do País, assim distribuídas pelo sócio:

SÓCIOS	QUOTAS	%	VALOR
MARCELO PEREIRA GUIMARAES	300.000	100%	300.000,00
TOTAL	300.000	100%	300.000,00

CONSOLIDAÇÃO CONTRATUAL DA SOCIEDADE LTDA

POWER TEC TECNOLOGIA EM INFORMATICA LTDA

CLÁUSULA PRIMEIRA – RAZÃO SOCIAL - A sociedade gira sob a denominação social de: “**POWER TEC TECNOLOGIA EM INFORMATICA LTDA ME**”,

4ª ALTERAÇÃO CONTRATUAL CONSOLIDADA
POWER TEC TECNOLOGIA EM INFORMATICA LTDA ME

Parágrafo único – A sociedade adotará como nome fantasia a expressão: “**POWER TEC INFORMÁTICA**”

CLÁUSULA SEGUNDA– SEDE - A Sociedade tem sua sede social à Rua Castelo, nº 159, Sala 01 – Serramar – Serra/ES – CEP 29.182-195.

Parágrafo Único: A sociedade não possui filiais, mas reserva – se a qualquer tempo o direito de abri – las em qualquer parte do território nacional, por ato de sua administração ou por deliberação dos sócios.

CLÁUSULA TERCEIRA – OBJETO SOCIAL - A sociedade tem como objeto social o exercício das seguintes atividades econômicas: **Comércio varejista especializado de equipamentos e suprimentos de informática; Comércio varejista especializado de equipamentos de telefonia e comunicação; Comércio varejista especializado de eletrodomésticos e equipamentos de áudio e vídeo; Comércio varejista de artigos de papelaria; Comércio varejista de equipamentos para escritório; Comércio varejista de artigos fotográficos e para filmagem; Reparação e manutenção de computadores e de equipamentos periféricos;**

4751-2/01 - Comércio varejista especializado de equipamentos e suprimentos de informática;

4752-1/00 - Comércio varejista especializado de equipamentos de telefonia e comunicação;

4753-9/00 - Comércio varejista especializado de eletrodomésticos e equipamentos de áudio e vídeo;

4761-0/03 - Comércio varejista de artigos de papelaria;

4789-0/07 - Comércio varejista de equipamentos para escritório;

4789-0/08 - Comércio varejista de artigos fotográficos e para filmagem;

9511-8/00 - Reparação e manutenção de computadores e de equipamentos periféricos

4ª ALTERAÇÃO CONTRATUAL CONSOLIDADA
POWER TEC TECNOLOGIA EM INFORMATICA LTDA ME

CLÁUSULA QUARTA – PRAZO DE DURAÇÃO - O prazo de duração da sociedade é indeterminado, extinguindo-se por vontade unânime dos sócios e nos casos previstos em lei.

CLÁUSULA QUINTA – DA ADMINISTRAÇÃO E ATRIBUIÇÕES - A administração da sociedade, bem como o uso do nome empresarial, será exercida isoladamente pelo Sócio **MARCELO PEREIRA GUIMARAES** com os poderes e atribuições de Administrador necessários à prática de atos pertinentes à consecução do objeto social da sociedade, representando a sociedade ativa e passiva, judicial e extrajudicialmente, sendo autorizado o uso do nome empresarial, vedado, contudo, a prática de atividades estranhas ao interesse social ou em favor de qualquer dos quotistas ou de terceiros, bem como a oneração ou alienação de bens imóveis da sociedade, sem autorização da maioria dos sócios.

- I. Ao término do exercício social, 31 de dezembro de cada ano civil, o(s) administrador (es) prestará (ão) contas justificadas de sua administração, procedendo à elaboração do inventário, do balanço patrimonial e do balanço de resultado econômico, cabendo aos sócios, na proporção de suas quotas, os lucros ou perdas apuradas.
- II. O(s) administrador (es) declara(m), sob as penas da Lei, de que não está (ão) impedidos de exercer a administração da sociedade, por lei especial, ou em virtude de condenação criminal, ou por se encontrar (em) sob os efeitos dela, a pena que vede, ainda que temporariamente, o acesso a cargos públicos; ou por crime falimentar, de prevaricação, peita ou suborno, concussão, peculato, ou contra a economia popular, contra o sistema financeiro nacional, contra normas de defesa

4ª ALTERAÇÃO CONTRATUAL CONSOLIDADA
POWER TEC TECNOLOGIA EM INFORMATICA LTDA ME

de concorrência, contra as relações de consumo, fé pública, ou a propriedade.

CLÁUSULA SEXTA - RETIRADAS DE PRÓ-LABORE - Os sócios poderão de comum acordo e a qualquer tempo, fixar uma retirada mensal pelo exercício da gerência, a título de pró-labore, respeitadas as limitações legais vigentes.

CLÁUSULA SÉTIMA – CAPITAL SOCIAL - O capital social é de R\$ 300.000,00 (Trezentos mil reais), divididos em 300.000 (Trezentas mil) cotas, no valor nominal de R\$ 1,00 (um real) cada, integralizadas, em moeda corrente do País, assim distribuídas pelo sócio:

SÓCIOS	QUOTAS	%	VALOR
MARCELO PEREIRA GUIMARAES	300.000	100%	300.000,00
TOTAL	300.000	100%	300.000,00

Parágrafo Único – Nos termos do artigo 1.052 da lei nº 10.406/2002, a responsabilidade de cada sócio é restrita ao valor de suas quotas, mas todos respondem solidariamente pela integralização do Capital Social.

CLÁUSULA OITAVA – CESSÃO DE QUOTAS - As quotas da sociedade são indivisíveis e não podem ser cedidas ou transferidas sem o expresso consentimento dos demais sócios, cabendo, em igualdade de condições, o direito de preferência para os sócios que queiram adquiri-las.

Parágrafo Único – O Sócio que desejar retirar-se da Sociedade deverá comunicar aos demais, por intermédio de carta registrada, com antecedência de 90 (noventa) dias, a sua intenção de não mais continuar na sociedade.

4ª ALTERAÇÃO CONTRATUAL CONSOLIDADA
POWER TEC TECNOLOGIA EM INFORMATICA LTDA ME

CLÁUSULA NONA – DISSOLUÇÃO E LIQUIDAÇÃO DA SOCIEDADE - A Sociedade será dissolvida apenas por deliberação dos sócios quotistas, para este fim convocados, respeitado o quórum deliberativo.

Parágrafo Primeiro - Cabe aos sócios, a escolha do liquidante, mas na hipótese de divergência, proceder-se-á, a liquidação judicial e o destino do patrimônio.

Parágrafo Segundo - O destino do patrimônio da sociedade constituirá um dever do liquidante podendo ultimar os negócios da sociedade, realizar o ativo, pagar o passivo e partilhar o remanescente entre os sócios ou acionistas, para tal respeitará sempre o direito dos credores preferenciais, pagando as dívidas sociais proporcionalmente, sem distinção entre vencidas e vincendas, mas em relação a esta, com desconto. Poderá também se o ativo for maior do que o passivo, o liquidante, sob responsabilidade pessoal, pagar integralmente as dívidas vencidas.

CLÁUSULA DECIMA – REUNIÕES E DELIBERAÇÕES SOCIAIS - As deliberações sociais serão tomadas em reuniões de sócios, presidida e secretariada pelos sócios presentes, que lavrarão uma Ata de reunião levada posteriormente a registro em órgão competente, ficando a sociedade dispensada da manutenção e lavratura de livro de Ata.

CLÁUSULA DECIMA PRIMEIRA – RESULTADO E SUA DISTRIBUIÇÃO - O exercício social coincidirá com o ano civil, encerrando-se em 31 de dezembro e ao término de cada exercício, os administradores prestarão contas justificadas de sua administração, elaborando as demonstrações financeiras exigidas legalmente. (art.1.065, CC/2002)

Parágrafo Primeiro - Os lucros ou prejuízos apurados em balanço a ser realizado após o término do exercício social serão repartidos entre os sócios proporcionalmente às quotas de cada um no capital social.

4ª ALTERAÇÃO CONTRATUAL CONSOLIDADA
POWER TEC TECNOLOGIA EM INFORMATICA LTDA ME

Parágrafo Segundo - Deverá ficar retido na sociedade, a fim de dar continuidade à mesma, a parcela de 20% (vinte por cento) do resultado do balanço.

CLÁUSULA DÉCIMA SEGUNDA – FALECIMENTO DOS SÓCIOS - O falecimento, falência ou afastamento de qualquer sócio não se constituirá caso para dissolução da sociedade, que continuará com seus sócios remanescentes;

Parágrafo Primeiro - Ocorrendo o falecimento ou impedimento legal de qualquer um dos sócios remanescentes, juntamente com um dos herdeiros, ou representante legal, proceder ao imediato levantamento do Balanço Patrimonial, fixativo dos haveres de cada uma das partes, na proporção das quotas sociais.

Parágrafo Segundo – O Balanço Patrimonial será levantado com a data do último dia do mês anterior ao evento.

CLÁUSULA DÉCIMA TERCEIRA – DESIMPEDIMENTO – Os sócios/administrativos declaram sob as penas da Lei não estarem condenados em nenhum dos crimes previstos na legislação, especialmente no disposto do parágrafo 1º Art.1011 da lei 10406 de 10/01/2002. Declaram ainda não serem condenados á pena que vede, ainda que temporariamente, ao acesso a cargos públicos; ou crime falimentar, de prevaricação, peita ou suborno, concussão, peculato; ou contra a economia popular, contra o sistema financeiro nacional, contra as normas de defesa da concorrência, contra as relações de consumo, a fé pública ou a propriedade, enquanto perdurarem os efeitos da condenação.

CLÁUSULA DÉCIMA QUARTA – DO ENQUADRAMENTO – Os sócios declaram que a sociedade se enquadra em Microempresa - ME, nos termos da Lei Complementar nº 123, de 14 de dezembro de 2006, e que não se

4ª ALTERAÇÃO CONTRATUAL CONSOLIDADA
POWER TEC TECNOLOGIA EM INFORMATICA LTDA ME

enquadra em qualquer das hipóteses de exclusão relacionadas no § 4º do art. 3º da mencionada lei. (art. 3º, I, da Lei Complementar nº 123, de 2006).

CLÁUSULA DÉCIMA QUINTA – FORO - As partes elegem o foro da Comarca da cidade de Serra, Estado do Espírito Santo, como o competente para dirimir dúvidas e litígios provenientes deste contrato, renunciando a qualquer outro, por mais privilegiado que seja ou que venha a ser.

E por estarem assim justos e contratados, assinam o presente instrumento de Contrato Social, em 01 (uma) via de igual teor e forma.

Serra, 08 de Maio de 2024.

Marcelo Pereira Guimarães

CPF 927.769.576-53



ASSINATURA ELETRÔNICA

Certificamos que o ato da empresa POWER TEC TECNOLOGIA EM INFORMATICA LTDA consta assinado digitalmente por:

IDENTIFICAÇÃO DO(S) ASSINANTE(S)	
CPF/CNPJ	Nome
92776957653	MARCELO PEREIRA GUIMARAES



CERTIFICO O REGISTRO EM 13/05/2024 19:50 SOB N° 20240810260.
PROTOCOLO: 240810260 DE 13/05/2024.
CÓDIGO DE VERIFICAÇÃO: 12406750630. CNPJ DA SEDE: 09298794000196.
NIRE: 32203059197. COM EFEITOS DO REGISTRO EM: 08/05/2024.
POWER TEC TECNOLOGIA EM INFORMATICA LTDA

PAULO CEZAR JUFFO
SECRETÁRIO-GERAL
www.simplifica.es.gov.br

ATESTADO DE CAPACIDADE TÉCNICA



A FUNDAÇÃO PARA DESENVOLVIMENTO CIENTÍFICO E TECNOLÓGICO EM SAÚDE - FIOTEC, inscrita no CNPJ sob o Nº 02.385.669/0001-74 situado na Av. Brasil, nº 4036, Manguinhos, Rio de Janeiro/RJ, CEP 21040-361, Telefone 21. 2209-2600, atesta, para fins de direito, que a empresa **POWER TEC TECNOLOGIA EM INFORMATICA LTDA**, inscrita sob o CNPJ 09.298.794/0001-96, com sede na Rua Castelo, nº 159, no Serramar, Serra/ES, CEP: 29.182-195, **forneceu de forma satisfatória** o objeto do pedido de compra listado a seguir, não havendo em nossos registros nenhum fato que desabone sua conduta e responsabilidade em relação às tarefas assumidas:

- NFE: 00040;
- PROJETO: ILMD-003-FIO-19-2-1-52;
- PEDIDO DE COMPRAS Nº: 4500347849;
- CONTRATO Nº: 4600011090;
- VALOR DO CONTRATO: R\$ 134.000,00 (cento e trinta e quatro mil reais);
- OBJETO: Aquisição de 20 (vinte) Notebooks com processador 11ª geração de Intel® Core™ i5-1135G7, Sistema operacional Windows 11 Pro em Português, Full HD de 15.6" (1920 x 1080) WVA, Memória de 8GB (2x4GB), DDR4, 2666MHz; expansível até 16GB; SSD de 256GB PCIe NVMe M.2 (Classe 35), com câmera, teclado em português, slot para trava de segurança, bateria de 4 células, placa de rede 802.11ac, WiFi 1x1 e Bluetooth, garantia de no mínimo 2 anos, incluindo queda, tela quebrada e derramamento de líquido, para a região de Manaus-AM, conforme especificado no projeto básico, anexo V da Seleção Pública de Fornecedores n.º 010/2023-FIOTEC.

Rio de Janeiro, 16 de maio de 2024.

Luisa Cristina Couto da Silva

Gerente de Logística

FIOTEC

Nome	Situação da Assinatura	Data da Ação
Luisa Cristina Couto da Silva Gerente de Compras e Serviços Matrícula: 00007406	Assinado	20/05/2024 13:09:36



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CIENTIFICO

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ATESTADO DE CAPACIDADE TÉCNICA

A **FUNDAÇÃO DE APOIO À PESQUISA - FUNAPE**, pessoa jurídica de direito privado, sem fins lucrativos, CNPJ: 00.799.205/0001-89, sediada na Av. Esperança, nº 1533, Quadra Área, Lote Área, Condomínio Parque Tecnológico Samambaia, Edifício FUNAPE, Bairro Área Campus Samambaia - UFG, CEP: 74.690-612, Goiânia – Goiás, **ATESTA** que a empresa **Power Tec Tecnologia em Informatica LTDA**, com CNPJ: 09.298.794/0001-96 com sede à R E nº 5 sala 201 – Parque Santa Fe, CEP: 29.182-092, Serra – Espírito Santo, executou de forma favorável a entrega de 20 (vinte) unidades Desktop Dell Vostro 3710 12 geração Intel Core I5 12400, composto por monitor Dell E2222 HS teclado Dell KB216 preto com fio, em português e mouse Dell MS 116 preto com fio, oriundo da Seleção Pública 037/2023, ordem de fornecimento nº 10150 assinado em 14/11/2023.

Por fim, destacamos que a empresa Power Tec Tecnologia em Informatica LTDA cumpriu pontualmente com as obrigações assumidas.

Goiânia, 02 de outubro de 2024.

Profa. Dra. Sandramara Matias Chaves
Diretora Executiva
(Assinado eletronicamente via ClickSign)

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Atestado de capacidade tecnica Power Tec (1).pdf

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Assinaturas



Sandramara Matias Chaves

CPF: 167.056.881-49

Assinou como representante legal em 02 out 2024 às 17:27:49

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FUNDAÇÃO CULTURAL DO ESTADO DO PARÁ -FCP
COORDENADORIA DE MATERIAL E PATRIMÔNIO

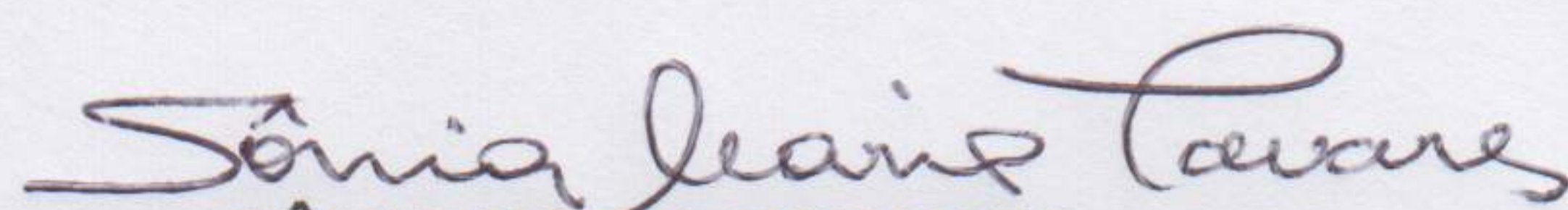
ATESTADO DE EXECUÇÃO E CAPACIDADE TÉCNICA

Atestamos para os devidos fins que a empresa POWER TEC TECNOLOGIA EM INFORMÁTICA LTDA – ME, sediada à Rua Capitão José Porfírio 488 – Centro, CEP: 29182-092 / Araxá-MG, inscrita no CNPJ: 09.298.794/0001-96, PRESTOU O FORNECIMENTO DE MATERIAL DE INFORMÁTICA, ATRAVÉS DO PREGÃO ELETRÔNICO 05/2010 – FCP E O EMPENHO 2010NE01934, CONFORME TABELA ABAIXO:

ITEM	DESCRIÇÃO	QUANT.	P.UNIT.	P.TOTAL
01	Servidor Core 2 quad de 2.26GHZ, HD 146GB	1	10.442,00	10.442,00

Atesto para os devidos fins e em função do desempenho dos profissionais e de sua equipe técnica, que o objeto razão deste **ATESTADO DE CAPACIDADE TÉCNICA** foi executado de acordo com as normas técnicas vigentes e dentro das Especificações do Termo de Referência e Edital da Cotação Eletrônica 05/2010, pelo que **ATESTAMOS A PLENA CAPACIDADE TÉCNICA DA EMPRESA POWER TEC TECNOLOGIA EM INFORMÁTICA LTDA – ME**

Belém, 14 de julho de 2023



SÔNIA MARIA TAVARES

Coordenador de Material e Patrimônio

Em exercício

FCP

ATESTADO DE CAPACIDADE TÉCNICA

Atestamos para os devidos fins, que a empresa **POWER TEC TECNOLOGIA EM INFORMATICA LTDA**, inscrita no CNPJ sob o nº 09.298.794/0001-96, sediada na Rua E, nº 5, sala 201, bairro Parque Santa Fé, CEP 29.182-092, em Serra / ES., forneceu ao **SERVIÇO NACIONAL DE APRENDIZAGEM DO COOPERATIVISMO DE MINAS GERAIS – SESCOOP / MG**, inscrito no CNPJ nº 07.064.534/0001-20, sediado na Rua Ceará, nº 771, bairro Santa Efigênia, CEP 30150-312, em Belo Horizonte / MG, os notebooks, conforme detalhamento abaixo:

ITEM	OBJETO	QTD.
1	NOTEBOOK COM ACESSÓRIOS. Marca VAIO, modelo FE15, fabricante Positivo. Mochila para transporte – POSITIVO TSB966DI-70. Suporte de mesa para notebook – B-MAX BMG-39. Kit teclado e mouse sem fio – LOGITECH MK540. Mousepad – GO TECH VB91. Segurança Trava Kensington® Lock / TPM 2.0 (solução por firmware fTPM).	10

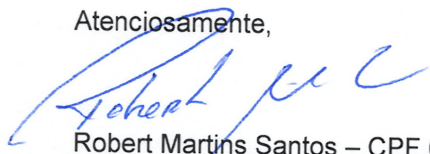
- **Processo licitatório:** Pregão Eletrônico nº 007/2023 (Número do processo no Licitações-e: **1022056**).

- **Autorização de Produto/Serviço:** 000489/2023.

Informamos ainda que o fornecimento foi realizado de forma satisfatória, atendendo todas as exigências do SESCOOP / MG, no que se refere à qualidade e entrega dentro do prazo pré-estabelecido, não existindo até o presente momento, fatos que desabonem a conduta e responsabilidade assumida.

Belo Horizonte, 06 de setembro de 2024.

Atenciosamente,



Robert Martins Santos – CPF 031.887.246-32

Gerente de Licitações e Compras / Presidente da Comissão Permanente de Licitação
Serviço Nacional de Aprendizagem do Cooperativismo de Minas Gerais – SESCOOP / MG



PODER JUDICIÁRIO
JUSTIÇA FEDERAL

TRIBUNAL REGIONAL FEDERAL - 2ª REGIÃO

ATESTADO DE CAPACIDADE TÉCNICA Nº TRF2-FOR-2023/03224

Ref. Processo : 1622/11/2008-EOF

O TRIBUNAL REGIONAL FEDERAL DA 2ª REGIÃO, estabelecido na Rua Acre, 80 - Centro - Rio de Janeiro - RJ, inscrito no CNPJ/MF sob o nº 32.243.347/0001-51, ATESTA, para os devidos fins de direito, que a empresa POWER TEC TECNOLOGIA EM INFORMATICA LTDA, estabelecida na Rua E, 5, sala 201, Parque Santa Fé, Serra/ES, inscrita no CNPJ/MF sob o nº 09.298.794/0001-96, forneceu os materiais abaixo relacionados:

DADOS DA CONTRATAÇÃO			
Objeto: Fornecimento de servidores, com garantia			
Ata de Registro de preços: - - -		Contrato/Nota de Empenho: Contrato 007 /2009	Vigência: 24/01/2009 a 18/06/2009
Data do Recebimento Provisório: 18/06/2009		Data do Recebimento Definitivo: 18/06/2009	Valor do Contrato: R\$ 76.000,00
DESCRIÇÃO DA CONTRATAÇÃO			
Item	Especificação	Unidade	Qtde
1	Fornecimento de servidores, com garantia	-	-
1.1	Servidor de Aplicação	unidade	03
1.2	Serviço de Insalação	serviço	01

Rio de Janeiro, 27 de outubro de 2023.

- assinado eletronicamente -

JACQUELINE TAVARES DA SILVA
Diretor(a) de Secretaria EM EXERCÍCIO
SECRETARIA DE ATIVIDADES ADMINISTRATIVAS

- assinado eletronicamente -

ANA LUISA CARNEIRO DA SILVA
Diretor(a) de Secretaria
SECRETARIA DE TECNOLOGIA DA INFORMAÇÃO



Assinado com senha por JACQUELINE TAVARES DA SILVA - 27/10/2023 às 17:19:32 e ANA LUISA CARNEIRO DA SILVA - 27/10/2023 às 17:38:09.
Documento Nº: 3816636-3737 - consulta à autenticidade em <https://siga.jfrj.jus.br/sigaex/public/app/autenticar?n=3816636-3737>

Classif. documental

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TRF2FOR202303224A

SIGA

Atestado n.º 101/2023 – Paver Tec Tecnologia em Informatica

ATESTADO DE CAPACIDADE TÉCNICA N.º 101/2023

Atestamos para os devidos fins, que a empresa POWER TEC TECNOLOGIA EM INFORMATICA LTDA, inscrita no CNPJ sob o n.º 09.298.794/0001-96, com sede na Rua E, n.º 05, sala 201, Bairro Parque Santa Fé, CEP 29182-092, em Serra – ES, prestou ao SERVIÇO NACIONAL DE APRENDIZAGEM INDUSTRIAL - SENAI, inscrito no CNPJ sob o n.º 03.773.834/0001-28, sediado na Av. do Contorno, n.º 4.456, Bairro Funcionários, CEP 30110-028, em Belo Horizonte – MG, os serviços descritos abaixo:

Pedido de Compra N.º 219772		
Objeto: Aquisição de Switch em atendimento a unidade localizada na rua Antônio Soeiro, Nº 108, Bairro Vila Regina, Cep: 35.970-000, Barão de Cocais – MG conforme o processo de compra Direta Nº 7357.2023.NCD.CD.0738.SISTEMA FIEMG		
Valor total do pedido: R\$3.246,00 (três mil, duzentos e quarenta e seis reais)		
ITEM	DESCRIÇÃO	QUANT.
01	SWITCH DE BORDA DE ALTO DESEMPENHO: SWITCHES 24 PORTAS ETHERNET. COM QUATRO (4) PORTAS DE FIBRA SFP + 1G / 10G DEDICADAS QUE GARANTEM ALTO DESEMPENHO E ELIMINAM GARGALOS DE TRÁFEGO NA REDE. RECURSOS PERSONALIZÁVEIS INCLUEM RECURSOS BÁSICOS DA CAMADA 2, COMO VLANS E AGREGAÇÃO DE LINK, BEM COMO RECURSOS AVANÇADOS, COMO ROTEAMENTO ESTÁTICO IPV4 DA CAMADA 3, ACLS E PROTOCOLOS SPANNING TREE E MODO DE HOST IPV6. PADRÕES E PROTOCOLOS: IEEE 802.3 10BASE-T, IEEE 802.3U 100BASE-TX, IEEE 802.3AB 1000BASE-T, IEEE 802.3Z 1000BASE-X, IEEE 802.2AF POE 1 (POE MODELS ONLY), IEEE 802.3AT POE 1 (POE MODELS ONLY), IEEE 802.3X FLOW CONTROL, IEEE 802.1Q VLANS, IEEE 802.1P PRIORITY, IEEE 802.3AD LINK AGGREGATION CONTROL PROTOCOL (LACP), IEEE 802.1X PORT ACCESS AUTHENTICATION, IEEE 802.3AZ ENERGY EFFICIENT ETHERNET, IEEE 802.1D: SPANNING TREE PROTOCOL, IEEE 802.1W: RAPID SPANNING TREE PROTOCOL, IEEE 802.1S: MULTIPLE SPANNING TREE PROTOCOL, IEEE 802.1AB LINK LAYER DISCOVERY PROTOCOL, DENIAL OF SERVICE PROTECTION, CPU DOS PROTECTION. MANAGEMENT: GERENCIAMENTO SIMPLES DE GUI DA WEB LOCAL SUPORTA ATÉ CINCO (5) HTTP E HTTP SECURE (HTTPS). ATUALIZAÇÃO DE FIRMWARE: FORNECE NOTIFICAÇÃO DO FIRMWARE MAIS RECENTE COM A CAPACIDADE DE AGENDAR PARA ATUALIZAÇÃO NO MOMENTO PREFERIDO POR MEIO DO SITE DO FABRICANTE. MODO DE CLIENTE DHCP PADRÃO: PERMITE QUE O SWITCH SEJA CONECTADO DIRETAMENTE A UMA REDE, PERMITINDO UMA OPERAÇÃO PLUG-AND-PLAY. NA AUSÊNCIA DE UM SERVIDOR DHCP. ESPELHAMENTO DE PORTA: PERMITE QUE O TRÁFEGO EM UMA PORTA OU VLAN SEJA ENVIADO SIMULTANEAMENTE A UM ANALISADOR DE REDE PARA MONITORAMENTO. REGISTRO DE EVENTOS E ALERTAS: FORNECE INFORMAÇÕES DETALHADAS PARA IDENTIFICAÇÃO E RESOLUÇÃO DE PROBLEMAS. GERENCIAMENTO DE CONTAS: PERMITE QUE OS ADMINISTRADORES ADICIONEM, MODIFIQUEM, EXCLUAM E TRANSFIRAM CONTAS E SENHAS DE GERENCIAMENTO PARA ACESSO SEGURO. LED LOCALIZADOR: PERMITE QUE OS USUÁRIOS CONFIGUREM O LED	01

Atestado n.º 101/2023 – Paver Tec Tecnologia em Informatica

LOCALIZADOR EM UMA CHAVE ESPECÍFICA PARA LIGAR, PISCAR OU DESLIGAR; SIMPLIFICA A SOLUÇÃO DE PROBLEMAS, TORNANDO-OS FÁCIL DE LOCALIZAR UM DETERMINADO SWITCH EM UM RACK DE SWITCHES SEMELHANTES. QUALIDADE DE SERVIÇO (QOS). PRIORIZAÇÃO DE TRÁFEGO: FORNECE PACOTES RELACIONADOS AO TEMPO (COMO VOIP E VÍDEO) COM PRIORIDADE SOBRE OUTRO TRÁFEGO COM BASE NA CLASSIFICAÇÃO DSCP OU IEEE 802.1P. MARCAÇÃO DE VLAN IEEE 802.1P / Q: ENTREGA DADOS AOS DISPOSITIVOS COM BASE NA PRIORIDADE E TIPO DE TRÁFEGO; SUPORTE IEEE 802.1Q. CLASSE DE SERVIÇO (COS): DEFINA UMA PRIORIDADE IEEE 802.1P / DSCP PARA O MAPEAMENTO DA FILA (4 FILAS). SUPORTA ENFILEIRAMENTO DE PRIORIDADE ESTRITA (SP) OU ENFILEIRAMENTO ROUND ROBIN PONDERADO (WRR). AS FILAS SP E WRR PODEM SER CONFIGURADAS EM PORTAS DE SWITCH INDIVIDUAIS. QOS BASEADO EM CLASSIFICADOR AVANÇADO: CLASSIFICA O TRÁFEGO USANDO VÁRIOS CRITÉRIOS DE CORRESPONDÊNCIA COM BASE NAS INFORMAÇÕES DAS CAMADAS 2, 3 E 4. ACCESS SWITCHING: CONECTIVIDADE DE FIBRA SFP / SFP +: AS PORTAS SFP SÃO ADICIONAIS ÀS PORTAS ETHERNET DE COBRE DISPONÍVEIS, ESTANDO UM NÚMERO TOTAL MAIOR DE PORTAS DISPONÍVEIS. QUATRO (4) PORTAS SFP + 1G / 10G. AUTO MDI / MDI-X: AJUSTA-SE AUTOMATICAMENTE PARA CABOS DIRETOS OU CRUZADOS EM TODAS AS PORTAS 10/100/1000. SEGURANÇA DE REDE: SUPORTE PARA VLAN IEEE 802.1Q: SUPORTE PARA ATÉ 256 VLANS COM UM INTERVALO DE ID DE VLAN DE 2-4093. CONTROLE DE ACESSO IEEE 802.1X: AUTENTICAÇÃO DE USUÁRIOS DE REDE POR PORTA ANTES DE PERMITIR O ACESSO À REDE. A AUTENTICAÇÃO DA PORTA INCLUI RADIUS VLAN ATRIBUÍDA, CRIAÇÃO DE VLAN DINÂMICA, VLAN DE CONVIDADO OU EM UMA VLAN NÃO AUTENTICADA. AUTOMATIC DENIAL-OF-SERVICE PROTECTION: MONITORA ATAQUES MALICIOSOS E PROTEGE A REDE BLOQUEANDO OS ATAQUES. PACKET STORM PROTECTION: PROTEGE CONTRA TEMPESTADES UNICAST, BROADCAST E MULTICAST DESCONHECIDAS COM LIMITES DEFINIDOS PELO USUÁRIO. RADIUS: O SWITCH OFERECE SUPORTE À AUTENTICAÇÃO RADIUS COM CONFIGURAÇÃO DE SERVIDOR PRIMÁRIO E DE BACKUP. ACCOUNTING RADIUS: UM CONJUNTO ROBUSTO DE ATRIBUTOS E ESTATÍSTICAS ESTÃO DISPONÍVEIS PARA INFORMAÇÕES COLETIVAS DO SWITCH. ID DE VLAN DE GERENCIAMENTO: FORNECE ACESSO DE GERENCIAMENTO SEGURO PARA ADMINISTRADORES VLAN SUSTENTÁVEIS. PREVENÇÃO DE LINK FLAP: MINIMIZE A INTERRUPÇÃO DA REDE DETECTANDO E DESABILITANDO AUTOMATICAMENTE COMO PORTA QUE APRESENTA EVENTOS DE FALHA DE LINK. DESEMPENHO E EFICIÊNCIA: ETHERNET COM EFICIÊNCIA ENERGÉTICA (EEE): COMPATÍVEL COM OS REQUISITOS DO PADRÃO IEEE 802.3AZ PARA ECONOMIZAR ENERGIA DURANTE OS PERÍODOS DE BAIXA ATIVIDADE DE DADOS. AUTO-PORT SHUT DOWN: O INTERRUPTOR DE ECONOMIA DE ENERGIA AO DESLIGAR AUTOMATICAMENTE A ENERGIA DAS PORTAS INATIVAS. A ENERGIA É RESTAURADA EM UMA PORTA APÓS A DETECÇÃO DO LINK. STATUS DE ECONOMIA DE ENERGIA: O SWITCH OFERECE UMA ECONOMIA DE ENERGIA CUMULATIVA DEVIDO AOS RECURSOS VERDES DA ETHERNET HABILITADOS. RESFRIAMENTO COM EFICIÊNCIA ENERGÉTICA: INCLUI VENTILADORES DE VELOCIDADE VARIÁVEL OPERANDO APENAS NA VELOCIDADE NECESSÁRIA PARA MANTER A TEMPERATURA OPERACIONAL PARA REDUZIR O EXCESSO DE RUÍDO E CONSUMO DE	

	ENERGIA. RECURSOS DE COMUTAÇÃO: FLOW CONTROL IEEE 802.3X: FORNECE UM MECANISMO DE REDUÇÃO DE FLUXO PROPAGADO PELA REDE PARA EVITAR A PERDA DE PACOTES EM UM NÓ CONGESTIONADO. PROTOCOLO SPANNING TREE (STP): SUPORTA O PADRÃO IEEE 802.1D STP, IEEE 802.1W RAPID SPANNING TREE PROTOCOL (RSTP) PARA CONVERGÊNCIA MAIS RÁPIDA E IEEE 802.1S MULTIPLE SPANNING TREE PROTOCOL (MSTP NA WEB LOCAL). PROTEÇÃO DE LOOP: SE O SWITCH DETECTAR UM LOOP, ELE DESABILITA A PORTA DE ORIGEM DE ENCAMINHAR PACOTES DE DADOS ORIGINADOS DO SWITCH PARA EVITAR A BROADCAST STORMS. FILTRAGEM BPDU: DESCARTA PACOTES BPDU QUANDO O STP É HABILITADO GLOBALMENTE, MAS DESABILITADO EM UMA PORTA ESPECÍFICA. JUMBO FRAME SUPPORT: 9216 BYTES DE TAMANHO DE QUADRO PARA MELHORAR O DESEMPENHO DE GRANDES TRANSFERÊNCIAS DE DADOS. IGMP SNOOPING V1 / V2: MELHORA O DESEMPENHO DA REDE POR MEIO DE FILTRAGEM MULTICAST, EM VEZ DE INUNDAÇÃO O TRÁFEGO EM TODAS AS PORTAS. LINK DE AGREGAÇÃO: AGRUPA VÁRIAS PORTAS ATÉ UM MÁXIMO DE OITO (8) PORTAS POR TRONCO USANDO AUTOMATICAMENTE O CONTROLE DE AGREGAÇÃO DE LINK PROTOCOLO (LACP), OU, PARA FORMAR UMA CONEXÃO DE LARGURA DE BANDA ALTA COM O BACKBONE DA REDE QUE AJUDA A EVITAR GARGALOS DE TRÁFEGO MANUALMENTE. LLDP / LLDP-MED (MEDIA ENDPOINT DISCOVERY): DEFINIR UMA EXTENSÃO PADRÃO DE LLDP QUE ARMAZENA VALORES PARA PARÂMETROS COMO QOS E VLAN PARA CONFIGURAÇÃO AUTOMÁTICA DE DISPOSITIVOS DE REDE, COMO TELEFONES IP. PROTOCOLO DE RESOLUÇÃO DE ENDEREÇO (ARP). RECURSOS ACESSADOS POR MEIO DA INTERFACE LOCAL DE GERENCIAMENTO DA WEB ROTEAMENTO IPV4 ESTÁTICO: OFERECE SUPORTE À CONFIGURAÇÃO DE ROTEAMENTO MANUAL DE ATÉ 32 ROTAS ESTÁTICAS. AUTO VOICE VLAN - VLAN DE VOZ AUTOMÁTICA: RECONHECE TELEFONES IP E ATRIBUIÇÃO DE TRÁFEGO DE VOZ AUTOMATICAMENTE UMA VLAN DEDICADA PARA TELEFONES IP. LISTAS DE CONTROLE DE ACESSO (ACLs): ATIVA A FILTRAGEM DO TRÁFEGO DE REDE CRIANDO UMA ACL, ADICIONA REGRAS E COMBINA CRITÉRIOS A UMA ACL E APLICA A ACL PARA PERMITIR OU NEGAR EM UMA OU MAIS INTERFACES OU UMA VLAN. SUPORTA 50 IPV4 DE ENTRADA E ACLs MAC COM ATÉ 480 ACES. HOST IPV6 RATE LIMITING - LIMITAÇÃO DE TAXA: DEFINE E IMPÕE LIMITES DE TRÁFEGO DE ENTRADA POR PORTA COM BASE EM PORCENTAGENS OU PACOTES POR SEGUNDO. PREVENÇÃO DE ATAQUE ARP: A PROTEÇÃO ARP DINÂMICA BLOQUEIA AS TRANSMISSÕES ARP DE HOSTS NÃO AUTORIZADOS, EVITANDO A ESCUTA OU ROUBO DE DADOS DA REDE. DHCP SNOOPING PORT SECURITY: AS PORTAS EM UM GRUPO DE ISOLAMENTO DE PORTA SÃO IMPEDIDAS DE ENCAMINHAR O TRÁFEGO DA CAMADA 2 ENTRE AS PORTAS DESSE GRUPO, FORNECENDO PRIVACIDADE DE DADOS E SEGURANÇA. TRANSFERÊNCIA DE ARQUIVOS SCP E TFTP: FORNECE DIFERENTES MECANISMOS PARA TRANSFERÊNCIA SEGURA DE ARQUIVOS POR MEIO DE SCP (SECURE COPY PROTOCOL) OU TFTP. GERENCIAMENTO DE CONTA DE USUÁRIO: O RECURSO DE VERIFICAÇÃO E VENCIMENTO DA FORÇA DA SENHA	

Atestado n.º 101/2023 – Paver Tec Tecnologia em Informatica

	FORNECE SEGURANÇA APRIMORADA PARA A ADMINISTRAÇÃO DA CONTA DO USUÁRIO NA WEB LOCAL INTERFACE DE GERENCIAMENTO. SECURE SOCKETS LAYER (SSL) SNMPV1, V2C E V3 MONITORAMENTO REMOTO (RMON). PORTAS E SLOTS DE E / S (I/O) 24 PORTAS 10/100/1000 DE DETECÇÃO AUTOMÁTICA RJ-45 (IEEE 802.3 TIPO 10BASE-T, IEEE 802.3U TIPO 100BASE-TX, IEEE 802.3AB TIPO 1000BASE-T); DUPLEX: 10BASE-T / 100BASE-TX: HALF OR FULL; 1000BASE-T: FULL ONLY, 4 PORTAS SFP + 1 / 10GBE CARACTERÍSTICAS FÍSICAS: PU: ARM CORTEX-A9 @ 800 MHZ OU SUPERIOR MEMÓRIA E FLASH: 512 MB SDRAM / FLASH DE 256 MB BUFFER DE PACOTE: 1,5 MB. PERFORMANCE: LATÊNCIA DE 100 MB: <4,7 USEC / TAMANHO DO PACOTE: 64B. LATÊNCIA DE 1000 MB: <2,4 USEC / TAMANHO DO PACOTE: 64B. LATÊNCIA DE 10000 MB: <1,3 USEC / TAMANHO DO PACOTE: 64B. THROUGHPUT (MBPS): 95,23 MBPS / TAMANHO DO PACOTE: 64B. SWITCHING CAPACITY: 128 GBPS. TAMANHO DA TABELA DE ROTEAMENTO (# DE ESTÁTICO ENTRADAS): 32. TAMANHO DA TABELA DE ENDEREÇOS MAC (# DE ENTRADAS): 16.000. CONFIABILIDADE MTBF (YEARS): 158. CARACTERÍSTICAS ELÉTRICAS: FREQUÊNCIA: 50-60 HZ. TENSÃO AC: 100-240V. CURRENT: 0,5 / 0,3 A. CLASSIFICAÇÃO DE POTÊNCIA MÁXIMA: 22,6 W. POTÊNCIA OCIOSA: 9,3 W. FONTE DE ENERGIA: FONTE DE ALIMENTAÇÃO INTERNA. PLUG EXTERNO EM FORMATO DO PADRÃO BRASILEIRO NBR 14136.	
Pedido N.º 267041		
Objeto: Aquisição de Switch em atendimento a unidade localizada na Rua Albert Scharlé, N° 05, Bairro Madre Gertrudes, Cep: 30.518-300, Belo Horizonte - MG. conforme o processo de compra Direta N° 7357.2023.NCD.CD.0738.SISTEMA FIEMG.		
Valor total do contrato: R\$8.198,00 (oito mil, cento e noventa e oito reais)		
ITEM	DESCRIÇÃO	QUANT.
01	SWITCH 48 PORT.GERENC	02

Informamos ainda que os produtos foram entregues de forma satisfatória, atendendo todas as exigências da Entidade, no que se refere à qualidade e entrega dentro dos prazos pré-estabelecidos, não existindo fatos que desabonem a conduta e responsabilidade assumida.

João Tomaz da Silva Junior
Gerente de Operações

Alex Rodrigues Teixeira
Gerente de Suprimentos

Belo Horizonte 26 de Junho de 2023

PROTOCOLO DE ASSINATURA(S)

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Código para verificação: 2D95-F09F-B5AA-3288



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O(s) nome(s) indicado(s) para assinatura, bem como seu(s) status em 29/06/2023 é(são) :

- ☒ Alex Rodrigues Teixeira (Parte) - 008.761.976-83 em 28/06/2023 18:15 UTC-03:00

Tipo: Assinatura Eletrônica

Identificação: Autenticação de conta

Evidências

Client Timestamp Wed Jun 28 2023 18:15:29 GMT-0300 (Horário Padrão de Brasília)

Geolocation Latitude: -19.93295 Longitude: -43.92401 Accuracy: 213

IP 187.111.29.42

Assinatura:



Hash Evidências:

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- ☒ Joao Tomaz da Silva Junior (Parte) - 042.551.056-50 em 27/06/2023 09:25 UTC-03:00

Tipo: Assinatura Eletrônica

Identificação: Autenticação de conta

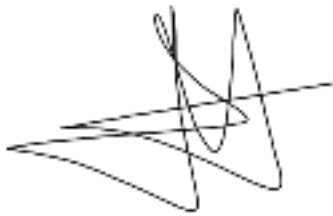
Evidências

Client Timestamp Tue Jun 27 2023 09:25:53 GMT-0300 (Horário Padrão de Brasília)

Geolocation Latitude: -19.9332228 Longitude: -43.9248756 Accuracy: 12.118

IP 186.248.189.234

Assinatura:



Hash Evidências:

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Descrição	Saldo Anterior	Débito	Crédito	Saldo Atual
ATIVO - [19]	2.398.933,99D	19.106.862,47	17.158.004,79	4.347.791,67D
ATIVO CIRCULANTE - [27]	1.749.166,41D	19.106.862,47	17.143.552,42	3.712.476,46D
DISPONÍVEL - [35]	1.749.166,41D	19.106.862,47	17.143.552,42	3.712.476,46D
CAIXA - [51]	1.101,55D	72.389,41	53.197,43	20.293,53D
CAIXA - [43]	1.101,55D	72.389,41	53.197,43	20.293,53D
BANCOS CONTA MOVIMENTO - [60]	29.336,20D	7.108.420,60	7.137.756,80	0,00D
BANCO DO BRASIL - [86]	29.336,20D	7.108.420,60	7.137.756,80	0,00D
BANCO CONTA APLICACAO - [191]	0,00D	2.905.838,85	2.621.235,37	284.603,48D
BANCO DO BRASIL SA - [26391]	0,00D	2.905.838,85	2.621.235,37	284.603,48D
ESTOQUES - [2500]	451.314,96D	2.256.766,00	2.065.960,38	642.120,58D
ESTOQUES DE MERCADORIA - [256]	451.314,96D	2.256.766,00	2.065.960,38	642.120,58D
OUTROS DIREITOS A REALIZAR - [280]	1.267.413,70D	6.763.447,61	5.265.402,44	2.765.458,87D
DUPLICATAS A RECEBER - [299]	1.267.413,70D	6.763.447,61	5.265.402,44	2.765.458,87D
ATIVO PERMANENTE - [310]	649.767,58D	0,00	14.452,37	635.315,21D
IMOBILIZADO - [25500]	649.767,58D	0,00	14.452,37	635.315,21D
IMOBILIZACOES DIVERSAS - [25518]	664.219,95D	0,00	0,00	664.219,95D
EQUIPAMENTOS DE INFORMATICA - [25585]	144.229,95D	0,00	0,00	144.229,95D
VEICULOS - [396]	519.990,00D	0,00	0,00	519.990,00D
(-)DEPRECIACÕES - [485]	14.452,37C	0,00	14.452,37	28.904,74C
(-)EQUIP.DE INFORMATICA - C/DEPRECIACAO - [25623]	3.619,24C	0,00	3.619,24	7.238,48C
(-)VEICULOS DEPRECIACOES - [493]	10.833,13C	0,00	10.833,13	21.666,26C

Descrição	Saldo Anterior	Débito	Crédito	Saldo Atual
PASSIVO - [590]	2.398.933,99C	4.470.396,93	4.361.720,34	2.290.257,40C
PASSIVO CIRCULANTE - [604]	738.544,86C	4.180.396,93	4.071.720,34	629.868,27C
PASSIVO EXIGIVEL CURTO PRAZO - [2526]	738.544,86C	4.180.396,93	4.071.720,34	629.868,27C
CREDORES DIVERSOS - [612]	59.188,42C	446.193,87	826.349,38	439.343,93C
SIMPLES NACIONAL A RECOLHER - [26363]	59.188,42C	446.193,87	826.349,38	439.343,93C
FORNECEDORES - [26370]	677.746,04C	3.732.960,50	3.229.838,96	174.624,50C
FORNECEDORES DIVERSOS - [26384]	677.746,04C	3.732.960,50	3.229.838,96	174.624,50C
CREDITOS TRABALHISTA - [655]	1.610,40C	1.242,56	15.532,00	15.899,84C
ACIONISTAS , ADMINSTRADORES, DIRETORES - [26160]	1.174,80C	0,00	13.823,48	14.998,28C
ENCARGOS SOCIAIS (INSS) A RECOLHER - [671]	0,00C	1.242,56	1.708,52	465,96C
PREVIDÊNCIA SOCIAL A RECOLHER - [26146]	435,60C	0,00	0,00	435,60C
PATRIMONIO LIQUIDO - [701]	1.660.389,13C	290.000,00	290.000,00	1.660.389,13C
PATRIMONIO LIQUIDO - [710]	1.660.389,13C	290.000,00	290.000,00	1.660.389,13C
RESERVAS DE CAPITAL - [728]	1.650.389,13C	290.000,00	0,00	1.360.389,13C
LUCROS E PREJUIZOS ACUMULADOS - [752]	1.650.389,13C	290.000,00	0,00	1.360.389,13C
CAPITAL SOCIAL - [26342]	10.000,00C	0,00	290.000,00	300.000,00C
CAPITAL SOCIAL INTEGRALIZADO - [26349]	10.000,00C	0,00	290.000,00	300.000,00C

Descrição	Saldo Anterior	Débito	Crédito	Saldo Atual
DESPESAS - [760]	0,00C	3.101.495,29	0,00	3.101.495,29D
DESPESAS - [779]	0,00C	1.035.534,91	0,00	1.035.534,91D
DESPESAS OPERACIONAIS - [787]	0,00C	1.035.534,91	0,00	1.035.534,91D
DESPESAS ADMINISTRATIVAS - [922]	0,00C	1.006.579,78	0,00	1.006.579,78D
AGUA E ESGOTO - [957]	0,00D	1.211,69	0,00	1.211,69D
DEPRECIAÇÕES - [5193]	0,00D	14.452,37	0,00	14.452,37D
ENERGIA ELETRICA - [1074]	0,00D	430,76	0,00	430,76D
FRETES E CARRETOS - [1163]	0,00D	4.556,01	0,00	4.556,01D
MATERIAL DE USO E CONSUMO - [25615]	0,00D	43.609,90	0,00	43.609,90D
PRO-LABORE - [26412]	0,00D	15.677,20	0,00	15.677,20D
SERVIÇOS DE TERCEIROS - [26188]	0,00	926.435,31	0,00	926.435,31D
TELEFONE - [1112]	0,00D	206,54	0,00	206,54D
DESPESAS FINANCEIRAS - [1198]	0,00C	1.207,81	0,00	1.207,81D
DESPESAS BANCARIAS - [1201]	0,00D	1.207,81	0,00	1.207,81D
DESPESAS TRIBUTÁRIAS , TAXAS E CONTRIBUIÇÕES - [1295]	0,00C	27.747,32	0,00	27.747,32D
IMPOSTOS E TAXAS - [1309]	0,00D	27.747,32	0,00	27.747,32D
CUSTOS - [2178]	0,00C	2.065.960,38	0,00	2.065.960,38D
CUSTOS DA MERCADORIA VENDIDA - [2186]	0,00C	2.065.960,38	0,00	2.065.960,38D
CUSTOS DA MERCADORIA VENDIDA - [2194]	0,00C	2.065.960,38	0,00	2.065.960,38D
CUSTOS DA MERCADORIA VENDIDA - [2208]	0,00D	2.065.960,38	0,00	2.065.960,38D

Descrição	Saldo Anterior	Débito	Crédito	Saldo Atual
RECEITAS - [2216]	0,00C	1.604.418,05	6.763.447,61	5.159.029,56C
RECEITAS OPERACIONAIS - [2224]	0,00C	1.604.418,05	6.763.447,61	5.159.029,56C
RECEITAS OPERACIONAIS - [2232]	0,00C	826.349,38	6.763.447,61	5.937.098,23C
VENDA DE MERCADORIA - [2330]	0,00C	0,00	6.763.447,61	6.763.447,61C
MERCADORIA - [25666]	0,00C	0,00	6.763.447,61	6.763.447,61C
IMPOSTOS INCIDENTES S/VENDAS - [25755]	0,00C	826.349,38	0,00	826.349,38D
(-) SIMPLES NACIONAL - [26356]	0,00C	826.349,38	0,00	826.349,38D
DEDUCOES DAS RECEITAS - [25941]	0,00C	778.068,67	0,00	778.068,67D
DEVOLUCOES - [25950]	0,00C	778.068,67	0,00	778.068,67D
(-) VENDA DE MERCADORIA - [25968]	0,00D	778.068,67	0,00	778.068,67D

Descrição	Saldo Anterior	Débito	Crédito	Saldo Atual
Análise do Balancete =====				
Ativo ----->	4.347.791,67D	Passivo ----->	2.290.257,40C	
Despesa ----->	3.101.495,29D	Receita ----->	5.159.029,56C	
Custo----->	0,00D			
=====>	7.449.286,96D	=====>	7.449.286,96C	
Lucro =====>	2.057.534,27			
=====				
Valores do Período =====				
Receita ----->	5.159.029,56C			
Despesa/Custo ----->	3.101.495,29D			
Lucro ----->	2.057.534,27			
=====				

MARCELO PEREIRA GOMES

Diretor

CPF:92776957653

RG:6580394 Data de expedição:

CARLOS EDUARDO OLIVEIRA DA SILVA

CRC:020114 CNPJ:7937340703

UDINEIA DE ALMEIDA CHAGAS BARBOZA

CONTADOR

CPF:113.611.137-90 CRC:020530/O-4

RG: Data de expedição:

BALANÇO PATRIMONIAL



Entidade: POWER TEC TECNOLOGIA EM INFORMATICA LTDA
Período da Escrituração: 01/01/2024 a 31/12/2024 CNPJ: 09.298.794/0001-96
Número de Ordem do Livro: 1
Período Selecionado: 01 de janeiro de 2024 a 31 de dezembro de 2024

Descrição	Nota	Saldo Inicial	Saldo Final
ATIVO		R\$ 2.398.933,99	R\$ 4.347.791,67
ATIVO CIRCULANTE		R\$ 1.749.166,41	R\$ 3.712.476,46
DISPONÍVEL		R\$ 1.749.166,41	R\$ 3.712.476,46
CAIXA		R\$ 1.101,55	R\$ 20.293,53
BANCOS CONTA MOVIMENTO		R\$ 29.336,20	R\$ 0,00
BANCO CONTA APLICACAO		R\$ 0,00	R\$ 284.603,48
ESTOQUES		R\$ 451.314,96	R\$ 642.120,58
OUTROS DIREITOS A REALIZAR		R\$ 1.267.413,70	R\$ 2.765.458,87
ATIVO PERMANENTE		R\$ 649.767,58	R\$ 635.315,21
IMOBILIZADO		R\$ 649.767,58	R\$ 635.315,21
IMOBILIZACOES DIVERSAS		R\$ 664.219,95	R\$ 664.219,95
(-) (-)DEPRECIACÕES		R\$ (14.452,37)	R\$ (28.904,74)
PASSIVO		R\$ 2.398.933,99	R\$ 4.347.791,67
PASSIVO CIRCULANTE		R\$ 738.544,86	R\$ 629.868,27
PASSIVO EXIGIVEL CURTO PRAZO		R\$ 738.544,86	R\$ 629.868,27
CREDORES DIVERSOS		R\$ 59.188,42	R\$ 439.343,93
FORNECEDORES		R\$ 677.746,04	R\$ 174.624,50
CREDITOS TRABALHISTA		R\$ 1.610,40	R\$ 15.899,84
PATRIMONIO LIQUIDO		R\$ 1.660.389,13	R\$ 3.717.923,40
PATRIMONIO LIQUIDO		R\$ 1.660.389,13	R\$ 3.717.923,40
RESERVAS DE CAPITAL		R\$ 1.650.389,13	R\$ 3.417.923,40
CAPITAL SOCIAL		R\$ 10.000,00	R\$ 300.000,00

Este documento é parte integrante de escrituração cuja autenticação se comprova pelo recibo de número 34.76.87.E9.81.F0.B5.6C.24.43.CE.38.E5.5E.9B.AE.7C.BF.B2.C7-5, nos termos do Decreto nº 8.683/2016.

Este relatório foi gerado pelo Sistema Público de Escrituração Digital – Sped

Versão 10.3.3 do Visualizador

Página 1 de 1



REPÚBLICA FEDERATIVA DO BRASIL

CADASTRO NACIONAL DA PESSOA JURÍDICA

NÚMERO DE INSCRIÇÃO 09.298.794/0001-96 MATRIZ	COMPROVANTE DE INSCRIÇÃO E DE SITUAÇÃO CADASTRAL	DATA DE ABERTURA 20/07/2007

NOME EMPRESARIAL POWER TEC TECNOLOGIA EM INFORMATICA LTDA

TÍTULO DO ESTABELECIMENTO (NOME DE FANTASIA) POWER TEC INFORMATICA	PORTE ME

CÓDIGO E DESCRIÇÃO DA ATIVIDADE ECONÔMICA PRINCIPAL 47.51-2-01 - Comércio varejista especializado de equipamentos e suprimentos de informática

CÓDIGO E DESCRIÇÃO DAS ATIVIDADES ECONÔMICAS SECUNDÁRIAS 47.53-9-00 - Comércio varejista especializado de eletrodomésticos e equipamentos de áudio e vídeo 47.52-1-00 - Comércio varejista especializado de equipamentos de telefonia e comunicação 47.89-0-07 - Comércio varejista de equipamentos para escritório 47.89-0-08 - Comércio varejista de artigos fotográficos e para filmagem 95.11-8-00 - Reparação e manutenção de computadores e de equipamentos periféricos 47.61-0-03 - Comércio varejista de artigos de papelaria

CÓDIGO E DESCRIÇÃO DA NATUREZA JURÍDICA 206-2 - Sociedade Empresária Limitada

LOGRADOURO R CASTELO	NÚMERO 159	COMPLEMENTO SALA 01

CEP 29.182-195	BAIRRO/DISTRITO SERRAMAR	MUNICÍPIO SERRA	UF ES

ENDEREÇO ELETRÔNICO POWERTECINFORMATICA2@GMAIL.COM	TELEFONE (27) 9268-8083

ENTE FEDERATIVO RESPONSÁVEL (EFR) *****

SITUAÇÃO CADASTRAL ATIVA	DATA DA SITUAÇÃO CADASTRAL 14/10/2022

MOTIVO DE SITUAÇÃO CADASTRAL

SITUAÇÃO ESPECIAL *****	DATA DA SITUAÇÃO ESPECIAL *****

Aprovado pela Instrução Normativa RFB nº 2.119, de 06 de dezembro de 2022.

Emitido no dia **27/01/2025** às **11:45:49** (data e hora de Brasília).

Página: 1/1



ESTADO DO ESPÍRITO
SANTO
SECRETARIA DE ESTADO
DA FAZENDA
SUPERINTENDÊNCIA
DA RECEITA



INSCRIÇÃO ESTADUAL

Inscrição Estadual: 084026324

Número de Controle 408553

Protocolo REDESIM ESN2322983182

Nome Empresarial: POWER TEC TECNOLOGIA EM INFORMATICA LTDA

Nome Fantasia: POWER TEC INFORMATICA

CNPJ: 09.298.794/0001-96

Atividade principal (CNAE): 4751-2/01 - Comércio varejista especializado de equipamentos e suprimentos de informática

Atividade secundária (CNAE): 9511-8/00 - Reparação e manutenção de computadores e de equipamentos periféricos, 4761-0/03 - Comércio varejista de artigos de papelaria, 4753-9/00 - Comércio varejista especializado de eletrodomésticos e equipamentos de áudio e vídeo, 4789-0/07 - Comércio varejista de equipamentos para escritório, 4789-0/08 - Comércio varejista de artigos fotográficos e para filmagem, 4752-1/00 - Comércio varejista especializado de equipamentos de telefonia e comunicação

Endereço do estabelecimento: RUA E, 5, SALA 201, PARQUE SANTA FE, CEP: 29182092

Município: Serra

Este documento foi emitido em : **segunda, 27 de fevereiro de 2023**

Se impresso, verificar sua autenticidade em www.simplifica.es.gov.br utilizando o código

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DOCUMENTO EMITIDO ELETRONICAMENTE PELO SIMPLIFICA ESPÍRITO SANTO

Esse documento deverá permanecer exposto em local visível no estabelecimento empresarial



ESTADO DO
PREFEITURA MUNICIPAL DA
SERRA
SECRETARIA MUNICIPAL DA
FAZENDA



INSCRIÇÃO MUNICIPAL

Número 4756599

Nome da Empresa: POWER TEC TECNOLOGIA EM INFORMATICA LTDA

CNPJ: 09.298.794/0001-96

Atividade Principal(CNAE): 4751-2/01 - Comércio varejista especializado de equipamentos e suprimentos de informática

Atividade(s) Secundária(s) (CNAE): 9511-8/00 - Reparação e manutenção de computadores e de equipamentos periféricos, 4761-0/03 - Comércio varejista de artigos de papelaria, 4753-9/00 - Comércio varejista especializado de eletrodomésticos e equipamentos de áudio e vídeo, 4789-0/07 - Comércio varejista de equipamentos para escritório, 4789-0/08 - Comércio varejista de artigos fotográficos e para filmagem, 4752-1/00 - Comércio varejista especializado de equipamentos de telefonia e comunicação

Endereço: RUA E, 5, SALA 201, PARQUE SANTA FE

Município: Serra

CEP: 29182092

Local e data: Serra, segunda, 27 de fevereiro de 2023

Secretaria Municipal da Fazenda

OBSERVAÇÕES

Este documento foi emitido em segunda, 27 de fevereiro de 2023.

Se impresso, verificar sua autenticidade no portal www.simplifica.es.gov.br com o código JGCNTKGF.

EMITIDO ELETRONICAMENTE PELO PORTAL SIMPLIFICA ES.

Esse documento deverá permanecer exposto em local visível no estabelecimento empresarial.



ESTADO DO ESPÍRITO SANTO
SECRETARIA DE ESTADO DA FAZENDA

Certidão Negativa de Débitos para com a Fazenda Pública Estadual - MOD. 2

Certidão N° 20250001597282

Identificação do Requerente: CNPJ N° 09.298.794/0001-96

Certificamos que, até a presente data, não existe débito contra o portador do Cadastro de Pessoa Jurídica acima especificado, ficando ressalvada à Fazenda Pública Estadual o direito de cobrar quaisquer dívidas que venham a ser apuradas.

Certidão emitida via Sistema Eletrônico de Processamento de Dados, nos termos do Regulamento do ICMS/ES, aprovado pelo Decreto nº 1.090-R, de 25 de outubro de 2002.

Certidão emitida em **03/11/2025**, válida até **01/02/2026**.

A autenticidade deste documento poderá ser confirmada via internet por meio do endereço **www.sefaz.es.gov.br** ou em qualquer Agência da Receita Estadual.

Vitória, 03/11/2025.

Autenticação eletrônica: **0022.863D.4DF0.CCCD**





PODER JUDICIÁRIO
TRIBUNAL DE JUSTIÇA DO ESTADO DO ESPÍRITO SANTO
R. Des. Homero Mafra, 60 Enseada do Suá, Vitória - ES | CEP: 29.050-275 | Tel: (27) 3334-2000.

CERTIDÃO NEGATIVA DE PRIMEIRA INSTÂNCIA NATUREZA DE RECUPERAÇÃO JUDICIAL E EXTRAJUDICIAL (FALÊNCIA E CONCORDATA)

Dados da Certidão

Razão Social: POWER TEC TECNOLOGIA EM INFORMATICA LTDA

CNPJ: 09.298.794/0001-96

Data de Expedição: 08/12/2025 13:15:30

Validade: 30 DIAS

Nº da Certidão: * 2025412846 *

-- ENDEREÇO --

Município: SERRA

Bairro: SERRAMAR

Logradouro: RUA CASTELO

Número: 159

Complemento: SALA 201

CEP: - NÃO INFORMADO -

-- CONTATO --

Email: COMERCIAL@POWERTECINFORMATICA.COM.BR

Telefone Fixo: - NÃO INFORMADO -

Telefone Celular: - NÃO INFORMADO -

CERTIFICA que, consultando a base de dados do Sistema de Gerenciamento de Processos do Poder Judiciário do Estado do Espírito Santo (E-Jud, SIEP, PROJUDI e PJe) até a presente data e hora, **NADA CONSTA** contra o solicitante.

Observações

- Certidão expedida gratuitamente através da Internet;
- Os dados do(a) solicitante acima informados são de sua responsabilidade, devendo a titularidade ser conferida pelo interessado e/ou destinatário;
- O prazo de validade desta certidão é de 30 (trinta) dias, contados da data da expedição, conforme disposto no art. 467 do Código de Normas da Corregedoria Geral da Justiça. Após essa data será necessária a emissão de uma nova certidão;
- A autenticidade desta certidão poderá ser confirmada na página do Tribunal de Justiça do Estado do Espírito Santo - www.tjes.jus.br -, utilizando o número da certidão acima identificado;
- Em relação as comarcas da entrância especial (Vitória/Vila Velha/Cariacica/Serra/Viana), as ações de: execução fiscal estadual, falência e recuperação judicial, e auditoria militar, tramitam, apenas, no juízo de Vitória;
- As ações de natureza cível abrangem inclusive aquelas que tramitam nas varas de Órfãos e Sucessões (Tutela, Curatela, Interdição,...), Juizado Especial Cível, Juizado Especial da Fazenda Pública, Execução Fiscal e Execução Patrimonial (observado o item e);
- As ações de natureza criminal abrangem, dentre outras: as de auditoria militar e de juizados especiais criminais;
- As matérias atinentes as varas de família e infância e juventude são objeto de certidão específica;
- A base de dados do sistema de gerenciamento processual (1ª INSTÂNCIA: eJUD, SIEP, PROJUDI, PJe-1G; 2ª INSTÂNCIA: Sistema de Segunda Instância, PJe-2G) contém o registro de todos os processos distribuídos no Judiciário do Estado do Espírito Santo, com exceção do SEEU;
- A certidão negativa referente ao Sistema Eletrônico de Execução Unificado – SEEU deverá ser requerida ao Cartório do Ofício de Distribuidor da Comarca, conforme Ato Normativo Conjunto nº. 009/2021.



MINISTÉRIO DA FAZENDA
Secretaria da Receita Federal do Brasil
Procuradoria-Geral da Fazenda Nacional

**CERTIDÃO POSITIVA COM EFEITOS DE NEGATIVA DE DÉBITOS RELATIVOS AOS TRIBUTOS
FEDERAIS E À DÍVIDA ATIVA DA UNIÃO**

Nome: POWER TEC TECNOLOGIA EM INFORMATICA LTDA
CNPJ: 09.298.794/0001-96

Ressalvado o direito de a Fazenda Nacional cobrar e inscrever quaisquer dívidas de responsabilidade do sujeito passivo acima identificado que vierem a ser apuradas, é certificado que:

1. constam débitos administrados pela Secretaria da Receita Federal do Brasil (RFB) com exigibilidade suspensa nos termos do art. 151 da Lei nº 5.172, de 25 de outubro de 1966 - Código Tributário Nacional (CTN), ou objeto de decisão judicial que determina sua desconsideração para fins de certificação da regularidade fiscal, ou ainda não vencidos; e
2. constam nos sistemas da Procuradoria-Geral da Fazenda Nacional (PGFN) débitos inscritos em Dívida Ativa da União (DAU) com exigibilidade suspensa nos termos do art. 151 do CTN, ou garantidos mediante bens ou direitos, ou com embargos da Fazenda Pública em processos de execução fiscal, ou objeto de decisão judicial que determina sua desconsideração para fins de certificação da regularidade fiscal.

Conforme disposto nos arts. 205 e 206 do CTN, este documento tem os mesmos efeitos da certidão negativa.

Esta certidão é válida para o estabelecimento matriz e suas filiais e, no caso de ente federativo, para todos os órgãos e fundos públicos da administração direta a ele vinculados. Refere-se à situação do sujeito passivo no âmbito da RFB e da PGFN e abrange inclusive as contribuições sociais previstas nas alíneas 'a' a 'd' do parágrafo único do art. 11 da Lei nº 8.212, de 24 de julho de 1991.

A aceitação desta certidão está condicionada à verificação de sua autenticidade na Internet, nos endereços <<http://rfb.gov.br>> ou <<http://www.pgfn.gov.br>>.

Certidão emitida gratuitamente com base na Portaria Conjunta RFB/PGFN nº 1.751, de 2/10/2014.

Emitida às 13:56:51 do dia 25/11/2025 <hora e data de Brasília>.

Válida até 24/05/2026.

Código de controle da certidão: **6159.D33A.FE03.0BB1**

Qualquer rasura ou emenda invalidará este documento.

Voltar

Imprimir



Certificado de Regularidade do FGTS - CRF

Inscrição: 09.298.794/0001-96
Razão Social: POWER TEC TECNOLOGIA EM INFORMATICA LTDA
Endereço: R CASTELO 159 SALA 01 / SERRAMAR / SERRA / ES / 29182-195

A Caixa Econômica Federal, no uso da atribuição que lhe confere o Art. 7, da Lei 8.036, de 11 de maio de 1990, certifica que, nesta data, a empresa acima identificada encontra-se em situação regular perante o Fundo de Garantia do Tempo de Serviço - FGTS.

O presente Certificado não servirá de prova contra cobrança de quaisquer débitos referentes a contribuições e/ou encargos devidos, decorrentes das obrigações com o FGTS.

Validade: 21/11/2025 a 20/12/2025

Certificação Número: 2025112108491491044607

Informação obtida em 08/12/2025 13:17:29

A utilização deste Certificado para os fins previstos em Lei esta condicionada a verificação de autenticidade no site da Caixa:
www.caixa.gov.br



PREFEITURA MUNICIPAL DA SERRA
Secretaria Municipal da Fazenda

CEP: 29176-439 - RUA MAESTRO ANTONIO CICERO, N° 111 CACAROCA Serra ES

Certidão Negativa de Débitos

N° da Certidão: 12090174/2025

Data Geração: **28/10/2025**

Data Validade: **28/12/2025**

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Essa certidão com base no art. 178 da Lei 3833, de 29 de dezembro de 2011, Código Tributário Municipal (CTM).

Identificação

CRC **8525622** Crc Original: 8525622 Situação: Ativo
Razão Social/Nome **POWER TEC TECNOLOGIA EM INFORMATICA LTDA**
CNPJ / CPF **09.298.794/0001-96**
Inscrição Estadual/RG
Endereço **29182-195 - RUA CASTELO, 159 SALA 01**
Bairro **SERRAMAR Cidade Serra Estado ES**

Serra, Terça-feira, 28 de Outubro de 2025

N° da Certidão: 12090174/2025

Inscrição: 8525622

Tanto a veracidade da informação quanto a manutenção da condição de não devedor poderá ser verificada na seguinte página da Internet:

<http://www.serra.es.gov.br/>

ATENÇÃO: Qualquer rasura ou emenda **INVALIDARÁ** este documento.



PODER JUDICIÁRIO
JUSTIÇA DO TRABALHO

CERTIDÃO NEGATIVA DE DÉBITOS TRABALHISTAS

Nome: POWER TEC TECNOLOGIA EM INFORMATICA LTDA (MATRIZ E FILIAIS)
CNPJ: 09.298.794/0001-96
Certidão nº: 75999571/2025
Expedição: 08/12/2025, às 13:25:43
Validade: 06/06/2026 - 180 (cento e oitenta) dias, contados da data de sua expedição.

Certifica-se que **POWER TEC TECNOLOGIA EM INFORMATICA LTDA (MATRIZ E FILIAIS)**, inscrito(a) no CNPJ sob o nº **09.298.794/0001-96**, **NÃO CONSTA** como inadimplente no Banco Nacional de Devedores Trabalhistas. Certidão emitida com base nos arts. 642-A e 883-A da Consolidação das Leis do Trabalho, acrescentados pelas Leis ns.º 12.440/2011 e 13.467/2017, e no Ato 01/2022 da CGJT, de 21 de janeiro de 2022. Os dados constantes desta Certidão são de responsabilidade dos Tribunais do Trabalho.

No caso de pessoa jurídica, a Certidão atesta a empresa em relação a todos os seus estabelecimentos, agências ou filiais.

A aceitação desta certidão condiciona-se à verificação de sua autenticidade no portal do Tribunal Superior do Trabalho na Internet (<http://www.tst.jus.br>).

Certidão emitida gratuitamente.

INFORMAÇÃO IMPORTANTE

Do Banco Nacional de Devedores Trabalhistas constam os dados necessários à identificação das pessoas naturais e jurídicas inadimplentes perante a Justiça do Trabalho quanto às obrigações estabelecidas em sentença condenatória transitada em julgado ou em acordos judiciais trabalhistas, inclusive no concernente aos recolhimentos previdenciários, a honorários, a custas, a emolumentos ou a recolhimentos determinados em lei; ou decorrentes de execução de acordos firmados perante o Ministério Público do Trabalho, Comissão de Conciliação Prévia ou demais títulos que, por disposição legal, contiver força executiva.

Declaração de Habilitação e Conformidade

A empresa **POWER TEC TECNOLOGIA EM INFORMATICA LTDA**, sediada na **RUA CASTELO Nº 159 – SALAS 201, SERRAMAR, SERRA/ES**, inscrita no CNPJ sob o nº **09.298.794/0001-96**, por meio de seu(sua) representante legal infra-assinado, em atendimento ao **Instrumento Convocatório da SELEÇÃO PÚBLICA Nº 030/2025-FUNPEC**, a ser celebrada com a **FUNDAÇÃO NORTE RIO GRANDENSE DE PESQUISA E CULTURA (FUNPEC)**, **DECLARA** para todos os fins de direito e sob as penas da Lei:

I. Inexistência de Fato Superveniente

Que, até a presente data, inexistente **fato superveniente** impeditivo, suspensivo ou modificativo da sua capacidade de participar da presente Seleção Pública e de ser contratada com a FUNPEC.

II. Cumprimento de Normas Trabalhistas

Que cumpre plenamente o disposto no **Art. 7º, inciso XXXIII, da Constituição Federal**, não possuindo em seu quadro de pessoal **menor de 18 (dezoito) anos** em trabalho noturno, perigoso ou insalubre, nem **menor de 16 (dezesesseis) anos** em qualquer trabalho, salvo na condição de **aprendiz** a partir dos 14 (quatorze) anos, de acordo com a Lei nº 9.854/99.

Declara ainda que não possui em sua cadeia produtiva empregados executando **trabalho degradante ou forçado**, conforme incisos III e IV, do Art. 1º, da Constituição Federal.

III. Elaboração Independente de Proposta

Que a proposta apresentada para esta Seleção Pública foi elaborada de **forma independente**, sem qualquer conluio ou participação de outros concorrentes, atendendo a todos os requisitos de competitividade e transparência.

IV. Conhecimento e Concordância com o Instrumento Convocatório

Que está **ciente e concorda** com todas as condições, exigências e disposições contidas no **Instrumento Convocatório** e seus anexos, bem como **cumprir plenamente todos os requisitos de habilitação** definidos no referido Instrumento Convocatório.

POWER TEC
TECNOLOGIA EM
INFORMATICA
LTDA:0929879400
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Serra / ES, 10 de dezembro de 2025

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CFP 927.769.576-53
POWER TEC TECNOLOGIA EM INFORMÁTICA
09.298.794/0001-96

DEMONSTRAÇÃO DE RESULTADO DO EXERCÍCIO



Entidade: POWER TEC TECNOLOGIA EM INFORMATICA LTDA
Período da Escrituração: 01/01/2024 a 31/12/2024 CNPJ: 09.298.794/0001-96
Número de Ordem do Livro: 1
Período Selecionado: 01 de janeiro de 2024 a 31 de dezembro de 2024

Descrição	Nota	Saldo anterior	Saldo atual
RECEITAS		R\$ 0,00	R\$ 5.159.029,56
RECEITAS OPERACIONAIS		R\$ 0,00	R\$ 5.159.029,56
RECEITAS OPERACIONAIS		R\$ 0,00	R\$ 5.937.098,23
VENDA DE MERCADORIA		R\$ 0,00	R\$ 6.763.447,61
(-) IMPOSTOS INCIDENTES S/VENDAS		R\$ 0,00	R\$ (826.349,38)
(-) DEDUÇÕES DAS RECEITAS		R\$ 0,00	R\$ (778.068,67)
(-) DEVOLUÇÕES		R\$ 0,00	R\$ (778.068,67)
(-) DESPESAS		R\$ 0,00	R\$ (3.101.495,29)
(-) DESPESAS		R\$ 0,00	R\$ (1.035.534,91)
(-) DESPESAS OPERACIONAIS		R\$ 0,00	R\$ (1.035.534,91)
(-) DESPESAS ADMINISTRATIVAS		R\$ 0,00	R\$ (1.006.579,78)
(-) DESPESAS FINANCEIRAS		R\$ 0,00	R\$ (1.207,81)
(-) DESPESAS TRIBUTÁRIAS, TAXAS E CONTRIBUIÇÕES		R\$ 0,00	R\$ (27.747,32)
(-) CUSTOS		R\$ 0,00	R\$ (2.065.960,38)
(-) CUSTOS DA MERCADORIA VENDIDA		R\$ 0,00	R\$ (2.065.960,38)
(-) CUSTOS DA MERCADORIA VENDIDA		R\$ 0,00	R\$ (2.065.960,38)
RESULTADO EXERCÍCIO		R\$ 0,00	R\$ 2.057.534,27

Este documento é parte integrante de escrituração cuja autenticação se comprova pelo recibo de número 34.76.87.E9.81.F0.B5.6C.24.43.CE.38.E5.5E.9B.AE.7C.BF.B2.C7-5, nos termos do Decreto nº 8.683/2016.

Este relatório foi gerado pelo Sistema Público de Escrituração Digital – Sped

Versão 10.3.3 do Visualizador

Página 1 de 1

Dell PowerEdge R6625

Installation and Service Manual

Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

Contents

Chapter 1: About this document.....	8
Chapter 2: System overview.....	9
Front view of the system.....	9
Rear view of the system.....	14
Inside the system	18
Locating the Express Service Code and Service Tag.....	20
System information label.....	21
Rail sizing and rack compatibility matrix.....	25
Chapter 3: Technical specifications.....	26
Chassis dimensions	27
System weight.....	28
Processor specifications.....	28
PSU specifications.....	28
Cooling fan specifications.....	29
Supported operating systems.....	30
System battery specifications.....	31
Expansion card riser specifications.....	31
Memory specifications.....	31
Storage controller specifications.....	32
Drives.....	33
Ports and connectors specifications.....	33
USB ports specifications.....	33
NIC port specifications.....	33
Serial connector specifications.....	34
VGA ports specifications.....	34
Video specifications.....	34
Environmental specifications.....	34
Particulate and gaseous contamination specifications.....	36
Thermal restriction matrix.....	37
Extended Ambient Temperature Guidelines.....	40
Chapter 4: Initial system setup and configuration.....	44
Setting up the system.....	44
iDRAC configuration.....	44
Options to set up iDRAC IP address.....	44
Options to log in to iDRAC.....	45
Resources to install operating system.....	46
Options to download drivers and firmware	46
Options to download and install OS drivers	46
Downloading drivers and firmware.....	47
Chapter 5: Pre-operating system management applications.....	48

System Setup.....	48
System BIOS.....	49
iDRAC Settings utility.....	66
Device Settings.....	66
Dell Lifecycle Controller.....	66
Embedded system management.....	66
Boot Manager.....	66
PXE boot.....	66
Chapter 6: Minimum to POST and system management configuration validation.....	67
Minimum configuration to POST	67
Configuration validation.....	67
Error messages.....	68
Chapter 7: Installing and removing system components	69
Safety instructions.....	69
Before working inside your system.....	70
After working inside your system.....	70
Recommended tools.....	70
Optional front bezel.....	71
Removing the front bezel.....	71
Installing the front bezel.....	72
System cover.....	73
Removing the system cover.....	73
Installing the system cover.....	74
Drive backplane cover.....	75
Control panel.....	77
Removing the right control panel.....	77
Installing the right control panel.....	78
Removing the left control panel.....	79
Installing the left control panel.....	80
VGA module.....	81
Removing the VGA module.....	81
Installing the VGA module.....	82
Air shroud.....	84
Removing the air shroud.....	84
Installing the air shroud.....	85
Cooling fan.....	87
Removing a cooling fan module.....	87
Installing a cooling fan module.....	87
Drives.....	88
Removing a drive blank.....	88
Installing a drive blank.....	89
Removing the drive carrier.....	90
Installing the drive carrier.....	92
Removing the drive from the drive carrier.....	93
Installing the drive into the drive carrier.....	94
Drive backplane.....	96
Drive backplane.....	96

Removing the drive backplane	97
Removing the drive backplane	98
Removing the 16 x E3.S drive backplane	99
Installing the 16 x E3.S drive backplane	100
Installing the drive backplane.....	101
Cable routing.....	102
Front PERC module.....	112
Removing the front mounting front PERC module.....	112
Installing the front mounting front PERC module.....	113
Removing the H965 PERC module and battery tray.....	114
Installing H965 PERC module and battery tray.....	116
Rear drive module.....	118
Removing the rear drive module.....	118
Installing the rear drive module.....	119
Removing the rear E3.S drive module.....	120
Installing the rear E3.S drive module.....	121
System memory.....	122
System memory guidelines.....	122
Removing a memory module.....	124
Installing a memory module.....	125
Processor and heat sink.....	127
Removing a heat sink.....	127
Removing the processor.....	127
Installing the processor.....	129
Installing the heat sink.....	131
Removing the liquid cooling heat sink modules.....	133
Installing the liquid cooling heat sink modules.....	134
Expansion cards and expansion card risers.....	136
Expansion card installation guidelines.....	136
Removing the expansion card risers.....	153
Installing the expansion card risers.....	158
Removing expansion card from the expansion card riser.....	163
Installing an expansion card into the expansion card riser.....	165
Optional serial COM port.....	168
Removing the serial COM port.....	168
Installing the serial COM port.....	169
BOSS N1 module.....	170
Removing the BOSS card filler.....	170
Installing the BOSS card filler.....	172
Removing the BOSS-N1 module.....	173
Installing the BOSS-N1 module.....	176
M.2 SSD module on BOSS-N1 adapter card.....	178
Removing the M.2 SSD module.....	178
Installing the M.2 SSD module.....	179
System battery	180
Replacing the system battery.....	180
Optional internal USB card.....	182
Removing the internal USB card.....	182
Installing the internal USB card.....	183
Intrusion switch.....	183

Removing the intrusion switch module.....	183
Installing the intrusion switch module.....	184
Optional OCP card.....	185
Removing the OCP card.....	185
Installing the OCP card.....	187
Power supply unit.....	188
Hot spare feature.....	188
Removing a power supply unit blank.....	189
Installing a power supply unit blank.....	189
Removing a power supply unit.....	190
Installing a power supply unit.....	191
Trusted Platform Module.....	192
Upgrading the Trusted Platform Module.....	192
Initializing TPM for users.....	193
Initializing the TPM 2.0 for users.....	193
System board.....	194
Removing the system board.....	194
Installing the system board.....	195
Restoring the system using Easy Restore.....	197
Manually update the Service Tag.....	197
LOM card, MIC card and rear I/O board.....	197
Removing the LOM card, MIC card and rear I/O board.....	197
Installing the LOM card, MIC card and rear I/O board.....	199
Tube clip.....	201
Removing the tube clip.....	201
Installing the tube clip.....	202
Chapter 8: Jumpers and connectors.....	204
System board connectors.....	204
System board jumper settings.....	206
Disabling a forgotten password.....	206
Chapter 9: System diagnostics and indicator codes.....	208
Status LED indicators.....	208
System health and system ID indicator codes.....	209
iDRAC Quick Sync 2 indicator codes.....	210
iDRAC Direct LED indicator codes.....	210
LCD panel.....	211
Viewing Home screen.....	212
Setup menu.....	212
View menu.....	212
NIC indicator codes.....	213
Power supply unit indicator codes.....	213
Drive indicator codes.....	214
EDSFF E3.S drive led codes.....	215
Chapter 10: Using system diagnostics.....	217
Dell Embedded System Diagnostics.....	217
Running the Embedded System Diagnostics from Boot Manager.....	217

Running the Embedded System Diagnostics from the Dell Lifecycle Controller.....	217
System diagnostic controls.....	218
Chapter 11: System board diagnostic LED indicators.....	219
Chapter 12: Enhanced Preboot System Assessment.....	220
Chapter 13: Getting help.....	222
Recycling or End-of-Life service information.....	222
Contacting Dell Technologies.....	222
Accessing system information by using QR code.....	223
QR code for PowerEdge R6625 system resources.....	223
Receiving automated support with SupportAssist	223
Chapter 14: Documentation resources.....	225

About this document

This document provides an overview about the system, information about installing and replacing components, diagnostic tools, and guidelines to be followed while installing certain components.

System overview

The Dell™ PowerEdge™ R6625 (2S1U) is Dell's latest 2-socket, 1U rack servers designed to run complex workloads using highly scalable memory, I/O, and network options.

The system features:

- Two AMD EPYC 4th Generation 9004 series processor with up to 128 cores
- Optional Direct Liquid Cooling (DLC) for required CPUs and/or configurations
- Up to 24 RDIMMs with up to 6 TB of memory and speeds up to 4800 MT/s
- Two redundant AC or DC power supply units
- Up to 10 x 2.5-inch SATA/SAS/NVMe or 8 x 2.5-inch SATA/SAS/NVMe drives or 4 x 3.5-inch SATA/SAS
- Up to 14 x E3.S NVMe direct drives or 16 x E3.S, 2 x E3.S (rear) NVMe direct drives
- PCI Express® (PCIe) 5.0 enabled expansion slots
- Network interface technologies to cover Network Interface Card (NIC)

The PowerEdge R6625 is a general-purpose platform capable of handling demanding workloads and applications, such as data warehouses, eCommerce, databases, and high-performance computing (HPC).

Topics:

- [Front view of the system](#)
- [Rear view of the system](#)
- [Inside the system](#)
- [Locating the Express Service Code and Service Tag](#)
- [System information label](#)
- [Rail sizing and rack compatibility matrix](#)

Front view of the system



Figure 1. Front view of the of 4 x 3.5-inch drive system

Table 1. Features available on the front of the 4 x 3.5-inch drive system

Item	Ports, panels, and slots	Icon	Description
1	Left control panel	N/A	Contains the system health, system ID and the status LED indicator. NOTE: The iDRAC Quick Sync 2 indicator is available only on certain configurations. • Status LED: Enables you to identify any failed hardware components. There are up to five status LEDs and an overall system health LED (Chassis health and system ID) bar. For more information, see the Status LED indicators section. Indicates if the iDRAC Quick Sync 2 wireless option is activated. The Quick Sync 2 feature allows management of the system using mobile

Table 1. Features available on the front of the 4 x 3.5-inch drive system (continued)

Item	Ports, panels, and slots	Icon	Description
			devices. This feature aggregates hardware/firmware inventory and various system level diagnostic/error information that can be used in troubleshooting the system. You can access system inventory, Dell Lifecycle Controller logs or system logs, system health status, and also configure iDRAC, BIOS, and networking parameters. You can also launch the virtual Keyboard, Video, and Mouse (KVM) viewer and virtual Kernel-based Virtual Machine (KVM), on a supported mobile device. For more information, see the Integrated Dell Remote Access Controller User's Guide at PowerEdge Manuals
2	Drive	N/A	Enables you to install drives that are supported on your system.
3	Video Connector		Enables you to connect a display device to the system. For more information, see the Indicates if the iDRAC Quick Sync 2 wireless option is activated. The Quick Sync 2 feature allows management of the system using mobile devices. This feature aggregates hardware/firmware inventory and various system level diagnostic/error information that can be used in troubleshooting the system. You can access system inventory, Dell Lifecycle Controller logs or system logs, system health status, and also configure iDRAC, BIOS, and networking parameters. You can also launch the virtual Keyboard, Video, and Mouse (KVM) viewer and virtual Kernel-based Virtual Machine (KVM), on a supported mobile device. For more information, see the Integrated Dell Remote Access Controller User's Guide at PowerEdge Manuals .
4	Right control panel	N/A	Contains the power button, VGA port, USB port, iDRAC Direct (Micro-AB USB) port, and the iDRAC Direct status LED.
5	Express Service Tag	N/A	The Express Service Tag is a slide-out label panel that contains system information such as Service Tag, NIC, MAC address, and so on. If you have opted for the secure default access to iDRAC, the Information tag will also contain the iDRAC secure default password.



Figure 2. Front view of the of 8 x 2.5-inch drive system

Table 2. Features available on the front of the 8 x 2.5-inch drive system

Item	Ports, panels, and slots	Icon	Description
1	Left control panel	N/A	Contains the system health, system ID and the status LED indicator. NOTE: The iDRAC Quick Sync 2 indicator is available only on certain configurations. Status LED: Enables you to identify any failed hardware components. There are up to five status LEDs and an overall system health LED (Chassis health and system ID) bar. For more information, see the Status LED indicators section. Indicates if the iDRAC Quick Sync 2 wireless option is activated. The Quick Sync 2 feature allows management of the system using mobile devices. This feature aggregates hardware/firmware inventory

Table 2. Features available on the front of the 8 x 2.5-inch drive system (continued)

Item	Ports, panels, and slots	Icon	Description
			and various system level diagnostic/error information that can be used in troubleshooting the system. You can access system inventory, Dell Lifecycle Controller logs or system logs, system health status, and also configure iDRAC, BIOS, and networking parameters. You can also launch the virtual Keyboard, Video, and Mouse (KVM) viewer and virtual Kernel-based Virtual Machine (KVM), on a supported mobile device. For more information, see the Integrated Dell Remote Access Controller User's Guide at PowerEdge Manuals
2	Drive	N/A	Enables you to install drives that are supported on your system.
3	Right control panel	N/A	Contains the power button, VGA port, USB port, iDRAC Direct (Micro-AB USB) port and the iDRAC Direct status LED.
4	VGA port		Enables you to connect a display device to the system. For more information, see the Indicates if the iDRAC Quick Sync 2 wireless option is activated. The Quick Sync 2 feature allows management of the system using mobile devices. This feature aggregates hardware/firmware inventory and various system level diagnostic/error information that can be used in troubleshooting the system. You can access system inventory, Dell Lifecycle Controller logs or system logs, system health status, and also configure iDRAC, BIOS, and networking parameters. You can also launch the virtual Keyboard, Video, and Mouse (KVM) viewer and virtual Kernel-based Virtual Machine (KVM), on a supported mobile device. For more information, see the Integrated Dell Remote Access Controller User's Guide at PowerEdge Manuals .
5	Express Service Tag	N/A	The Express Service Tag is a slide-out label panel that contains system information such as Service Tag, NIC, MAC address, and so on. If you have opted for the secure default access to iDRAC, the Information tag will also contain the iDRAC secure default password.



Figure 3. Front view of the of 10 x 2.5-inch drive system

Table 3. Features available on the front of the 10 x 2.5-inch drive system

Item	Ports, panels, and slots	Icon	Description
1	Left control panel	N/A	Contains the system health, system ID and the status LED indicator. NOTE: The iDRAC Quick Sync 2 indicator is available only on certain configurations. Status LED: Enables you to identify any failed hardware components. There are up to five status LEDs and an overall system health LED (Chassis health and system ID) bar. For more information, see the Status LED indicators section. Indicates if the iDRAC Quick Sync 2 wireless option is activated. The Quick Sync 2 feature allows management of the system using mobile devices. This feature aggregates hardware/firmware inventory and various system level diagnostic/error information that can

Table 3. Features available on the front of the 10 x 2.5-inch drive system (continued)

Item	Ports, panels, and slots	Icon	Description
			be used in troubleshooting the system. You can access system inventory, Dell Lifecycle Controller logs or system logs, system health status, and also configure iDRAC, BIOS, and networking parameters. You can also launch the virtual Keyboard, Video, and Mouse (KVM) viewer and virtual Kernel-based Virtual Machine (KVM), on a supported mobile device. For more information, see the Integrated Dell Remote Access Controller User's Guide at PowerEdge Manuals
2	Drive	N/A	Enables you to install drives that are supported on your system.
3	Right control panel	N/A	Contains the power button, VGA port, USB port, iDRAC Direct (Micro-AB USB) port and the iDRAC Direct status LED.
4	VGA port		Enables you to connect a display device to the system. For more information, see the Indicates if the iDRAC Quick Sync 2 wireless option is activated. The Quick Sync 2 feature allows management of the system using mobile devices. This feature aggregates hardware/firmware inventory and various system level diagnostic/error information that can be used in troubleshooting the system. You can access system inventory, Dell Lifecycle Controller logs or system logs, system health status, and also configure iDRAC, BIOS, and networking parameters. You can also launch the virtual Keyboard, Video, and Mouse (KVM) viewer and virtual Kernel-based Virtual Machine (KVM), on a supported mobile device. For more information, see the Integrated Dell Remote Access Controller User's Guide at PowerEdge Manuals .
5	Express Service Tag	N/A	The Express Service Tag is a slide-out label panel that contains system information such as Service Tag, NIC, MAC address, and so on. If you have opted for the secure default access to iDRAC, the Information tag will also contain the iDRAC secure default password.



Figure 4. Front view of the of 14 x E3.S drive system

Table 4. Features available on the front of the 14 x E3.S drive system

Item	Ports, panels, and slots	Icon	Description
1	Left control panel	N/A	Contains the system health, system ID and the status LED indicator. NOTE: The iDRAC Quick Sync 2 indicator is available only on certain configurations. Status LED: Enables you to identify any failed hardware components. There are up to five status LEDs and an overall system health LED (Chassis health and system ID) bar. For more information, see the Status LED indicators section. Indicates if the iDRAC Quick Sync 2 wireless option is activated. The Quick Sync 2 feature allows management of the system using mobile devices. This feature aggregates hardware/firmware inventory and various system level diagnostic/error information that can

Table 4. Features available on the front of the 14 x E3.S drive system (continued)

Item	Ports, panels, and slots	Icon	Description
			be used in troubleshooting the system. You can access system inventory, Dell Lifecycle Controller logs or system logs, system health status, and also configure iDRAC, BIOS, and networking parameters. You can also launch the virtual Keyboard, Video, and Mouse (KVM) viewer and virtual Kernel-based Virtual Machine (KVM), on a supported mobile device. For more information, see the Integrated Dell Remote Access Controller User's Guide at PowerEdge Manuals
2	E3. S Drive	N/A	Enables you to install drives that are supported on your system.
3	Right control panel	N/A	Contains the power button, VGA port, USB port, iDRAC Direct (Micro-AB USB) port and the iDRAC Direct status LED.
4	VGA port		Enables you to connect a display device to the system. For more information, see the Indicates if the iDRAC Quick Sync 2 wireless option is activated. The Quick Sync 2 feature allows management of the system using mobile devices. This feature aggregates hardware/firmware inventory and various system level diagnostic/error information that can be used in troubleshooting the system. You can access system inventory, Dell Lifecycle Controller logs or system logs, system health status, and also configure iDRAC, BIOS, and networking parameters. You can also launch the virtual Keyboard, Video, and Mouse (KVM) viewer and virtual Kernel-based Virtual Machine (KVM), on a supported mobile device. For more information, see the Integrated Dell Remote Access Controller User's Guide at PowerEdge Manuals .
5	Express Service Tag	N/A	The Express Service Tag is a slide-out label panel that contains system information such as Service Tag, NIC, MAC address, and so on. If you have opted for the secure default access to iDRAC, the Information tag will also contain the iDRAC secure default password.



Figure 5. Front view of the of 16 x E3.S drive system

Table 5. Features available on the front of the 16 x E3.S drive system

Item	Ports, panels, and slots	Icon	Description
1	Left control panel	N/A	Contains the system health, system ID and the status LED indicator. NOTE: The iDRAC Quick Sync 2 indicator is available only on certain configurations. Status LED: Enables you to identify any failed hardware components. There are up to five status LEDs and an overall system health LED (Chassis health and system ID) bar. For more information, see the Status LED indicators section. Indicates if the iDRAC Quick Sync 2 wireless option is activated. The Quick Sync 2 feature allows management of the system using mobile devices. This feature aggregates hardware/firmware inventory and various system level diagnostic/error information that can

Table 5. Features available on the front of the 16 x E3.S drive system (continued)

Item	Ports, panels, and slots	Icon	Description
			be used in troubleshooting the system. You can access system inventory, Dell Lifecycle Controller logs or system logs, system health status, and also configure iDRAC, BIOS, and networking parameters. You can also launch the virtual Keyboard, Video, and Mouse (KVM) viewer and virtual Kernel-based Virtual Machine (KVM), on a supported mobile device. For more information, see the Integrated Dell Remote Access Controller User's Guide at PowerEdge Manuals
2	E3. S Drive	N/A	Enables you to install drives that are supported on your system.
3	Right control panel	N/A	Contains the power button, VGA port, USB port, iDRAC Direct (Micro-AB USB) port and the iDRAC Direct status LED.
4	VGA port		Enables you to connect a display device to the system. For more information, see the Indicates if the iDRAC Quick Sync 2 wireless option is activated. The Quick Sync 2 feature allows management of the system using mobile devices. This feature aggregates hardware/firmware inventory and various system level diagnostic/error information that can be used in troubleshooting the system. You can access system inventory, Dell Lifecycle Controller logs or system logs, system health status, and also configure iDRAC, BIOS, and networking parameters. You can also launch the virtual Keyboard, Video, and Mouse (KVM) viewer and virtual Kernel-based Virtual Machine (KVM), on a supported mobile device. For more information, see the Integrated Dell Remote Access Controller User's Guide at PowerEdge Manuals .
5	Express Service Tag	N/A	The Express Service Tag is a slide-out label panel that contains system information such as Service Tag, NIC, MAC address, and so on. If you have opted for the secure default access to iDRAC, the Information tag will also contain the iDRAC secure default password.

 **NOTE:** For more information about ports, panels, and slots, see the Technical specifications section.

Rear view of the system

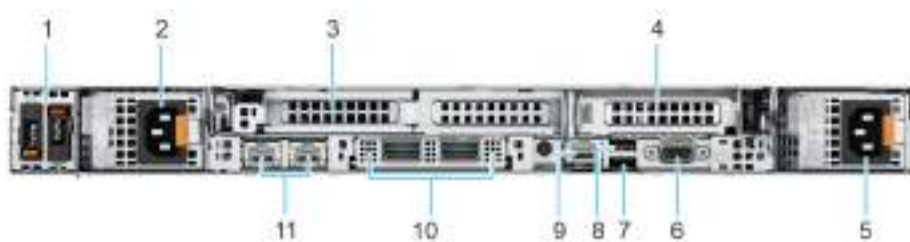


Figure 6. Rear view of the system R6625

Table 6. R6625 system rear view features

Item	Ports, panels, or slots	Icon	Description
1	BOSS module	N/A	Insert BOSS blank when BOSS module is not used.
2	Power supply unit (PSU1)		For more information about the PSU configurations, see the PowerEdge Manual .
3	PCIe expansion card riser 1	N/A	The expansion card riser enables you to connect PCI Express expansion cards. For more information , see the Expansion card installation guidelines section.

Table 6. R6625 system rear view features (continued)

Item	Ports, panels, or slots	Icon	Description
4	PCIe expansion card riser 2	N/A	The expansion card riser enables you to connect PCI Express expansion cards. For more information , see the PowerEdge Manual .
5	Power supply unit (PSU2)		For more information about the PSU configurations, see the PowerEdge Manual .
6	VGA port	N/A	Enables you to connect a display device to the system. For more information, see the PowerEdge Manual .
7	USB 3.0 port		The USB ports are 9-pin, 3.0-compliant. These ports enable you to connect USB devices to the system.
8	USB 2.0 port		The USB port is 4-pin, 2.0-compliant. This port enables you to connect USB devices to the system.
9	Dedicated iDRAC9 Ethernet port		Enables you to remotely access iDRAC. For more information, see the <i>Integrated Dell Remote Access Controller User's Guide</i> at PowerEdge Manuals .
10	OCP NIC card	N/A	The OCP NIC card supports OCP 3.0. The NIC ports are integrated on the OCP card which is connected to the system board.
11	NIC ports		The NIC ports that are integrated on the LOM card provide network connectivity which is connected to the system board.



Figure 7. Rear view of the system R6625 with Rear module

Table 7. R6625 system rear view features with rear module

Item	Ports, panels, or slots	Icon	Description
1	BOSS module	N/A	Insert BOSS blank when BOSS module is not used.
2	Power supply unit (PSU1)		For more information about the PSU configurations, see the PowerEdge Manual .
3	Drive	N/A	Enables you to install drives that are supported on your system.
4	PCIe expansion card riser	N/A	The expansion card riser enables you to connect PCI Express expansion cards. For more information, see the Expansion card installation guidelines section.
5	Power supply unit (PSU2)		For more information about the PSU configurations, see the PowerEdge Manual .
6	VGA port	N/A	Enables you to connect a display device to the system.
7	USB 3.0 port		The USB ports are 9-pin, 3.0-compliant. These ports enable you to connect USB devices to the system.
8	USB 2.0 port		The USB port is 4-pin, 2.0-compliant. This port enables you to connect USB devices to the system.
9	Dedicated iDRAC9 Ethernet port		Enables you to remotely access iDRAC. For more information, see the <i>Integrated Dell Remote Access Controller User's Guide</i> at PowerEdge Manuals .

Table 7. R6625 system rear view features with rear module (continued)

Item	Ports, panels, or slots	Icon	Description
10	OCP NIC card	N/A	The OCP NIC card supports OCP 3.0. The NIC ports are integrated on the OCP card which is connected to the system board.
11	NIC ports		The NIC ports that are integrated on the LOM card provide network connectivity which is connected to the system board.

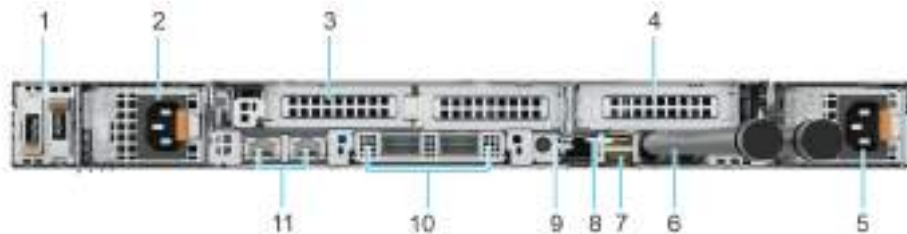


Figure 8. Rear view of the system R6625 with Coolant tubes

Table 8. R6625 system rear view features with coolant tubes

Item	Ports, panels, or slots	Icon	Description
1	BOSS module	N/A	Insert BOSS blank when BOSS module is not used.
2	Power supply unit (PSU1)		For more information about the PSU configurations, see the PowerEdge Manual .
3	PCIe expansion card riser 1	N/A	The expansion card riser enables you to connect PCI Express expansion cards. For more information, see the Expansion card installation guidelines section.
4	PCIe expansion card riser 2	N/A	The expansion card riser enables you to connect PCI Express expansion cards. For more information, see the Expansion card installation guidelines section.
5	Power supply unit (PSU2)		For more information about the PSU configurations, see the PowerEdge Manual .
6	Coolant tubes	N/A	Cold coolant flows into the system from one tube and hot coolant leaves the system from another tube.
7	USB 3.0 port		The USB ports are 9-pin, 3.0-compliant. These ports enable you to connect USB devices to the system.
8	USB 2.0 port		The USB port is 4-pin, 2.0-compliant. This port enables you to connect USB devices to the system.
9	Dedicated iDRAC9 Ethernet port		Enables you to remotely access iDRAC. For more information, see the <i>Integrated Dell Remote Access Controller User's Guide</i> at PowerEdge Manuals .
10	OCP NIC card	N/A	The OCP NIC card supports OCP 3.0. The NIC ports are integrated on the OCP card which is connected to the system board.
11	NIC ports		The NIC ports that are integrated on the LOM card provide network connectivity which is connected to the system board.

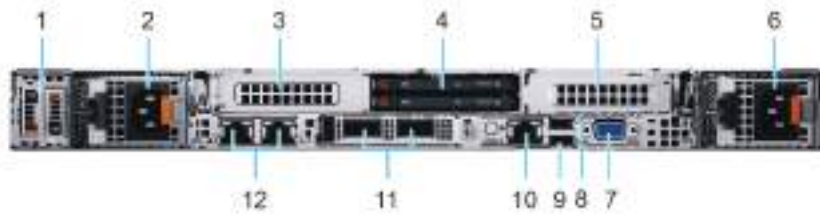


Figure 9. Rear view of the system R6625 with rear E3.S drives

Table 9. R6625 system rear view features with rear E3.S drives

Item	Ports, panels, or slots	Icon	Description
1	BOSS module	N/A	Insert BOSS blank when BOSS module is not used.
2	Power supply unit (PSU1)		For more information about the PSU configurations, see the PowerEdge Manual .
3	PCIe expansion card riser 1	N/A	The expansion card riser enables you to connect PCI Express expansion cards. For more information, see the Expansion card installation guidelines section.
4	E3.S drive	N/A	Enables you to install the supported E3.S drives in your system.
5	PCIe expansion card riser 2	N/A	The expansion card riser enables you to connect PCI Express expansion cards. For more information, see the Expansion card installation guidelines section.
6	Power supply unit (PSU2)		For more information about the PSU configurations, see the PowerEdge Manual .
7	Coolant tubes	N/A	Cold coolant flows into the system from one tube and hot coolant leaves the system from another tube.
8	USB 3.0 port		The USB ports are 9-pin, 3.0-compliant. These ports enable you to connect USB devices to the system.
9	USB 2.0 port		The USB port is 4-pin, 2.0-compliant. This port enables you to connect USB devices to the system.
10	Dedicated iDRAC9 Ethernet port		Enables you to remotely access iDRAC. For more information, see the Integrated <i>Dell Remote Access Controller User's Guide</i> at PowerEdge Manuals .
11	OCP NIC card	N/A	The OCP NIC card supports OCP 3.0. The NIC ports are integrated on the OCP card which is connected to the system board.
12	NIC ports		The NIC ports that are integrated on the LOM card provide network connectivity which is connected to the system board.

 **NOTE:** For more information about ports, panels, and slots, see the Technical specifications section.

Inside the system

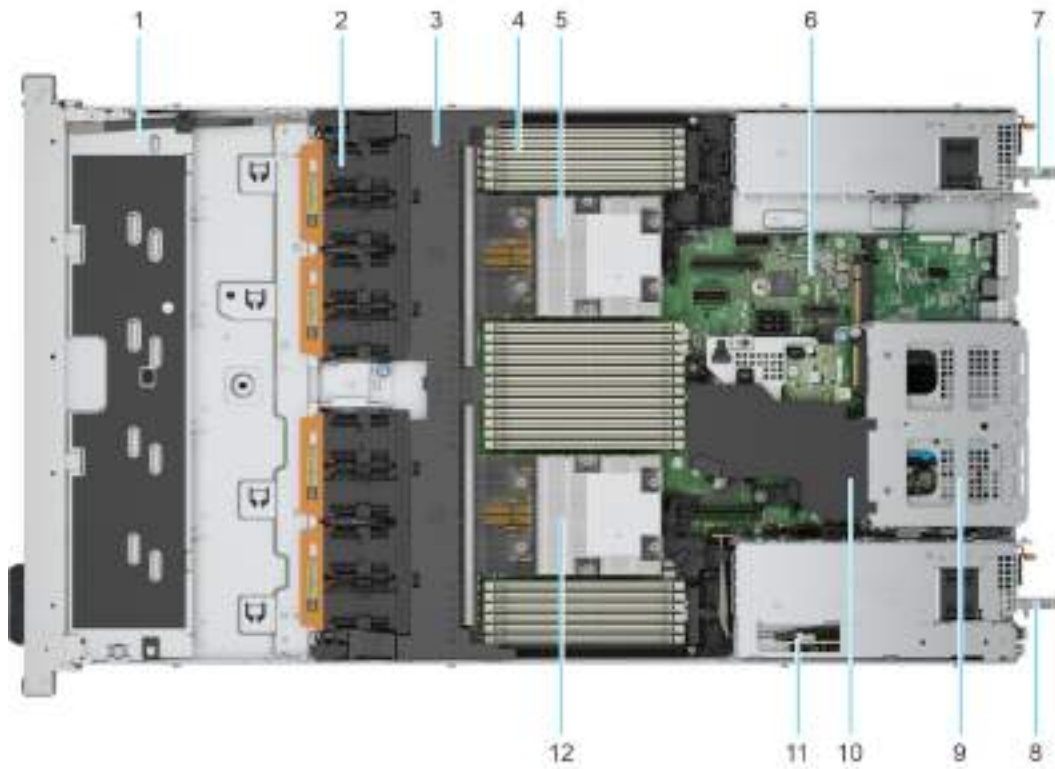


Figure 10. Inside view of the PowerEdge R6625.

1. Front Storage cover	2. Fans
3. Air shroud	4. Memory
5. Processor 2 and Heat sink 2	6. System Board
7. PSU 2	8. PSU 1
9. NIC	10. Rear drive module air shroud
11. BOSS Module	12. Processor 1 and Heat sink 1

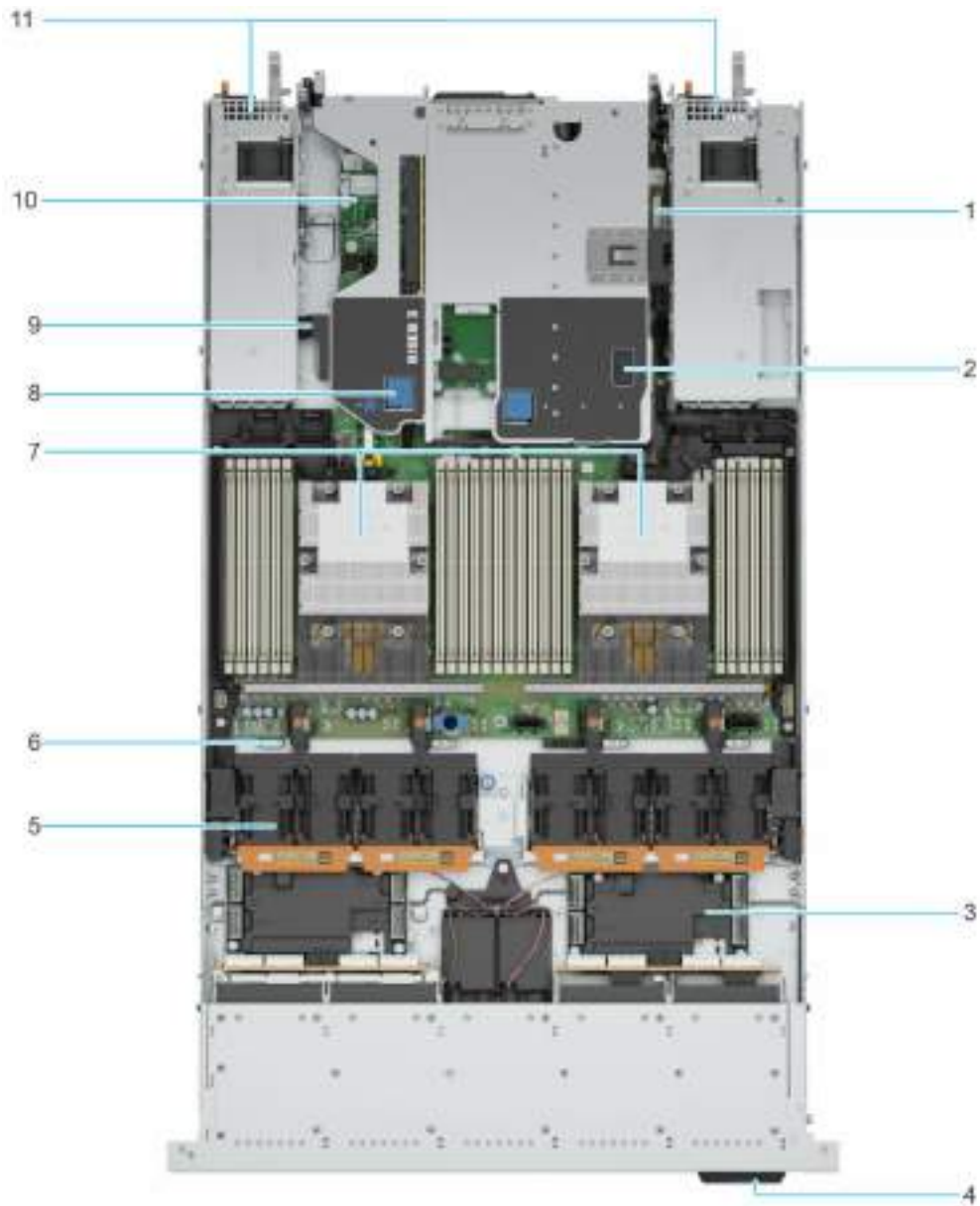


Figure 11. Inside view of the PowerEdge R6625.

1. BOSS Module	2. Rear E3.S drive module
3. E3.S front PERC	4. Information tag
5. Fans	6. Fan connector
7. Processor and Heat sink	8. Riser 3
9. NIC	10. System board
11. PSU	

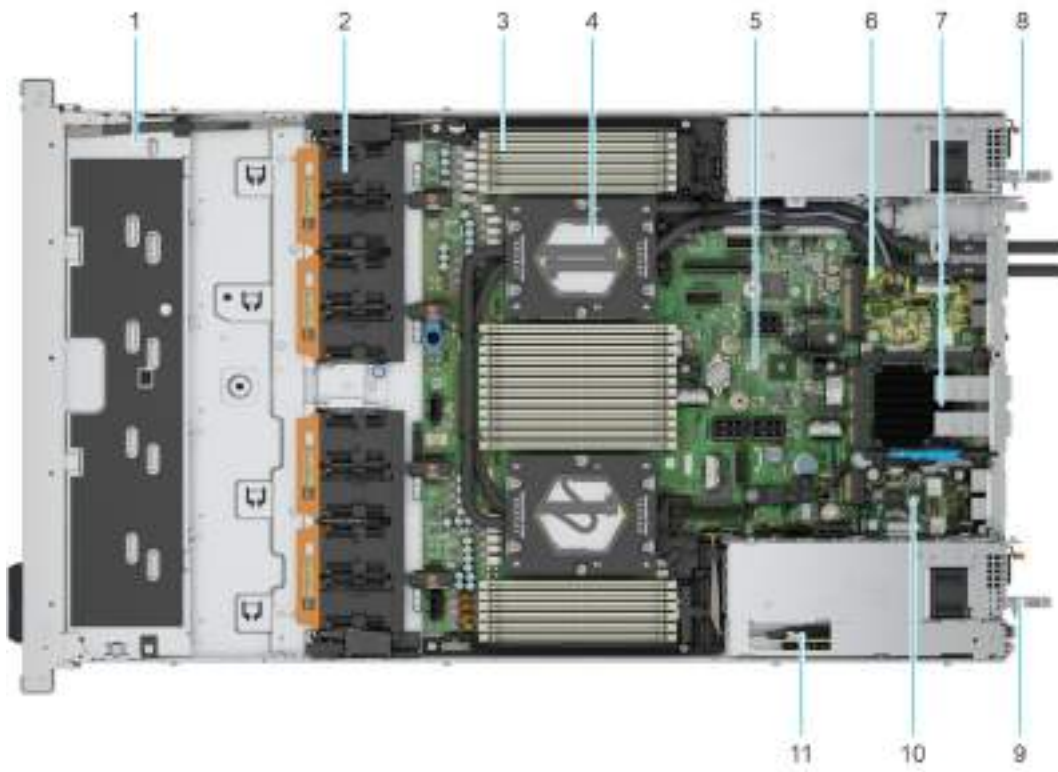


Figure 12. Inside view of the PowerEdge R6625 with Liquid Cooling.

1. Front Storage cover	2. Fans
3. Memory	4. Direct Liquid Cooling module
5. System Board	6. RIO board
7. NIC	8. PSU 2
9. PSU 1	10. Front PERC module
11. BOSS Module	

Locating the Express Service Code and Service Tag

The unique Express Service Code and Service Tag is used to identify the system. The Express Service Tag is located on the front of the system that includes system information such as Service Tag, Express Service Code, Manufacture date, NIC, MAC address, QR code, and so on. If you have opted for the secure default access to iDRAC, the Express Service Tag also contains the iDRAC secure default password. If you have opted for iDRAC Quick Sync 2, the Express Service Tag also contains the OpenManage Mobile (OMM) label, where administrators can configure, monitor, and troubleshoot the PowerEdge servers.



Figure 13. Locating the Express Service Code and Service tag

1. Express Service Tag (front view)	2. Express Service Tag (back view)
3. OpenManage Mobile (OMM) label	4. iDRAC MAC address and iDRAC secure password label
5. Service Tag, Express Service Code, QR code	

The Mini Enterprise Service Tag (MEST) label is located on the rear of the system that includes Service Tag (ST), Express Service Code (Exp Svc Code), and Manufacture Date (Mfg. Date). The Exp Svc Code is used by Dell EMC to route support calls to the appropriate personnel.

Alternatively, the Service Tag information is located on a label on left wall of the chassis.

System information label

The system information label is located on the back side of the system cover.

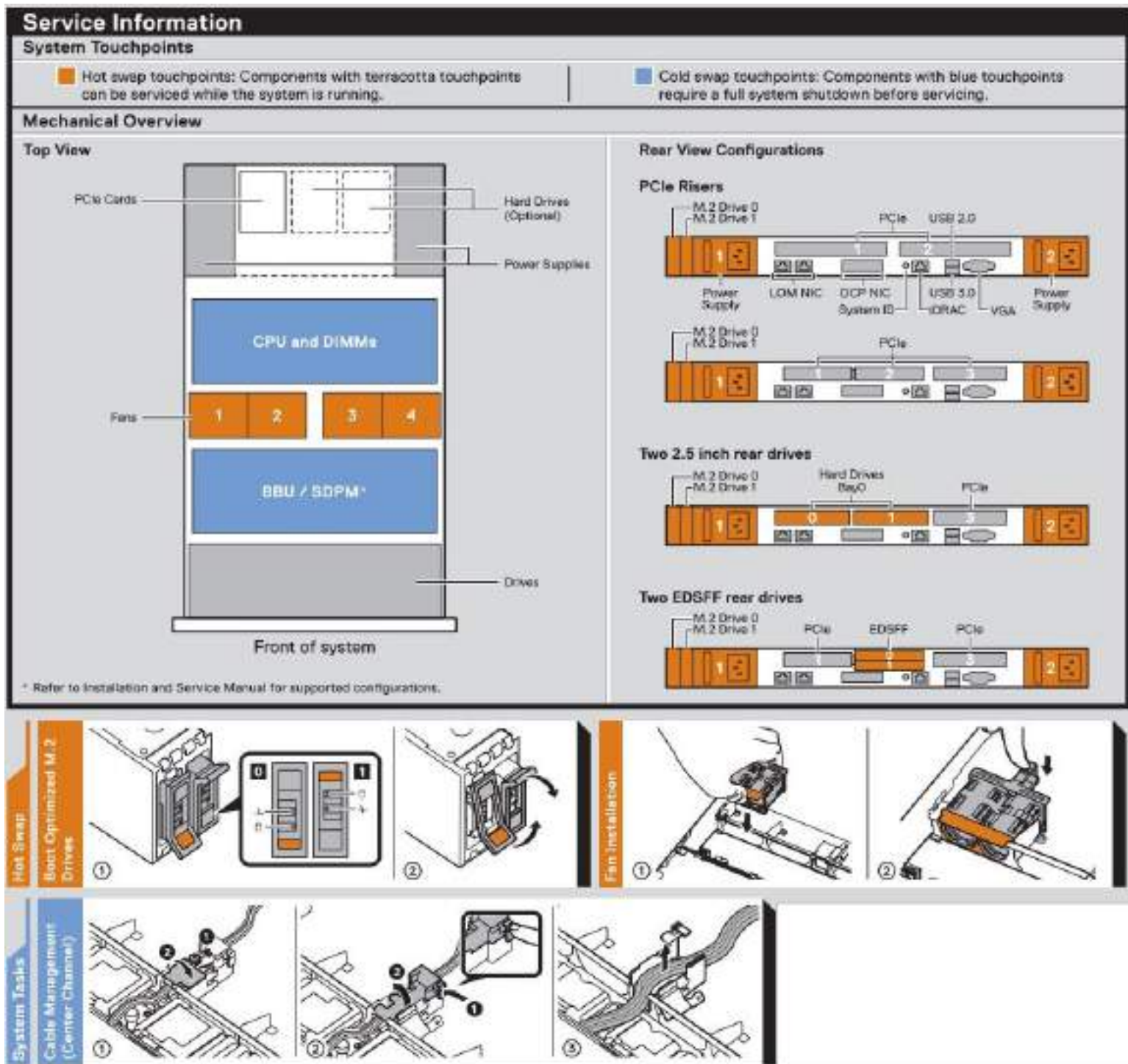


Figure 14. Mechanical Overview

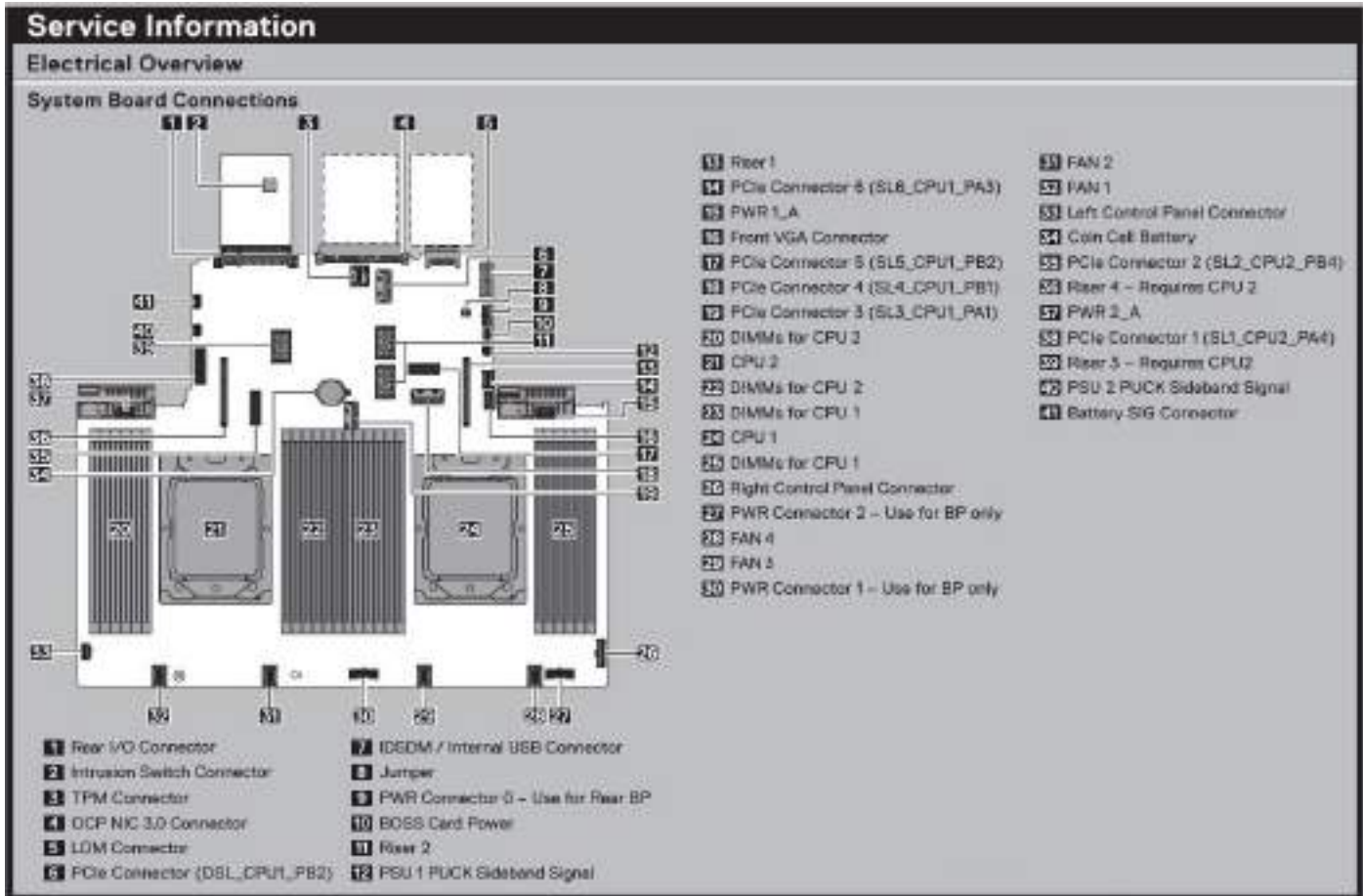


Figure 15. Electrical information

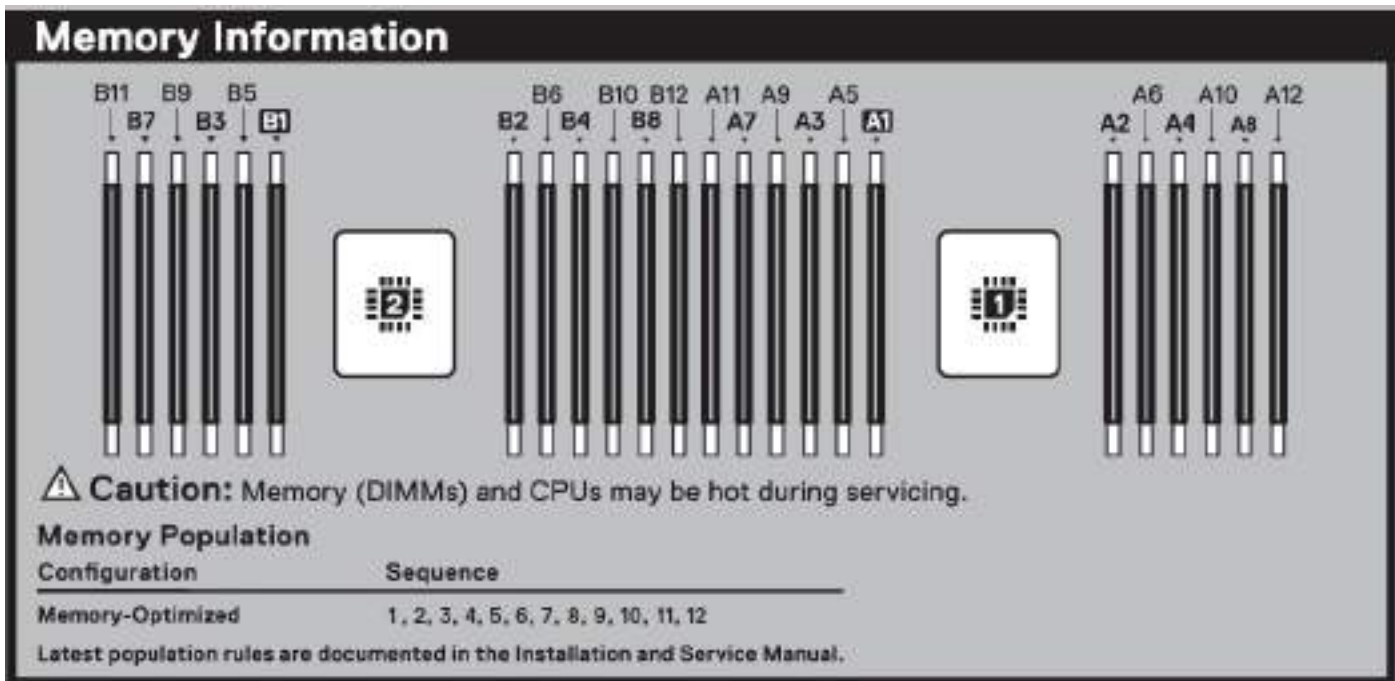


Figure 16. Memory information and system board connectors

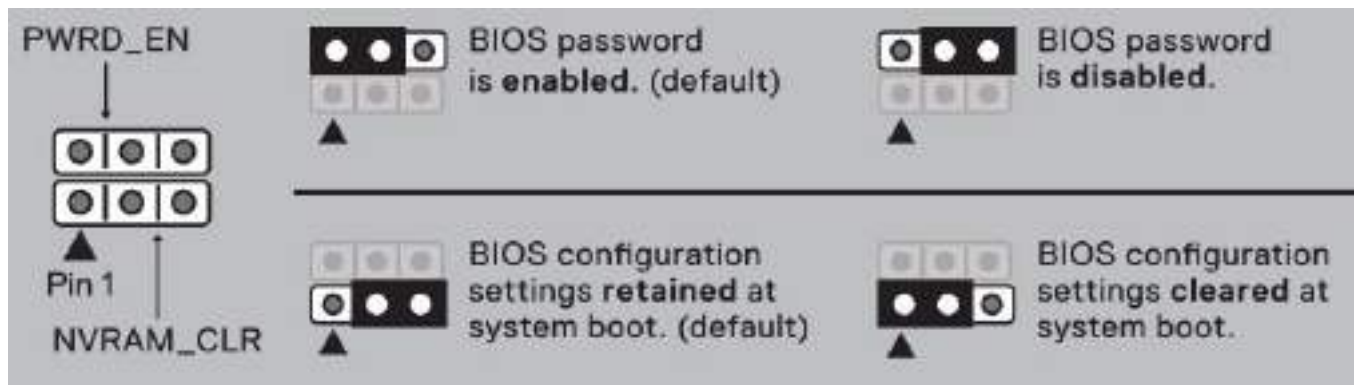


Figure 17. Jumper Settings

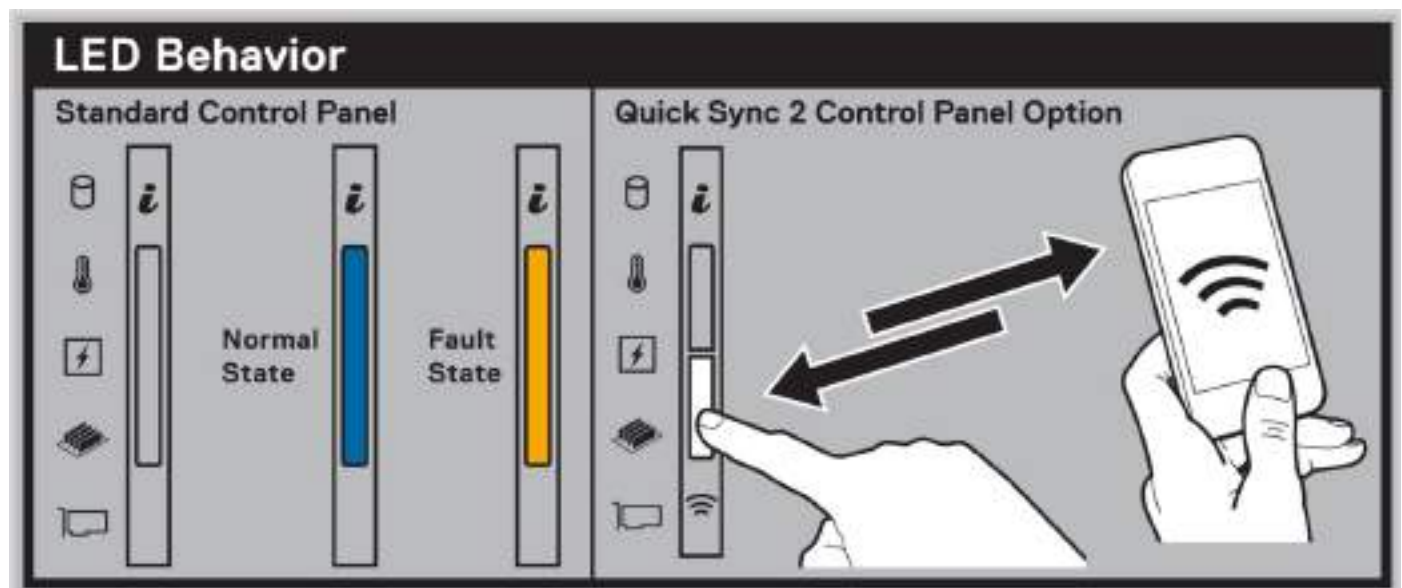


Figure 18. LED behavior

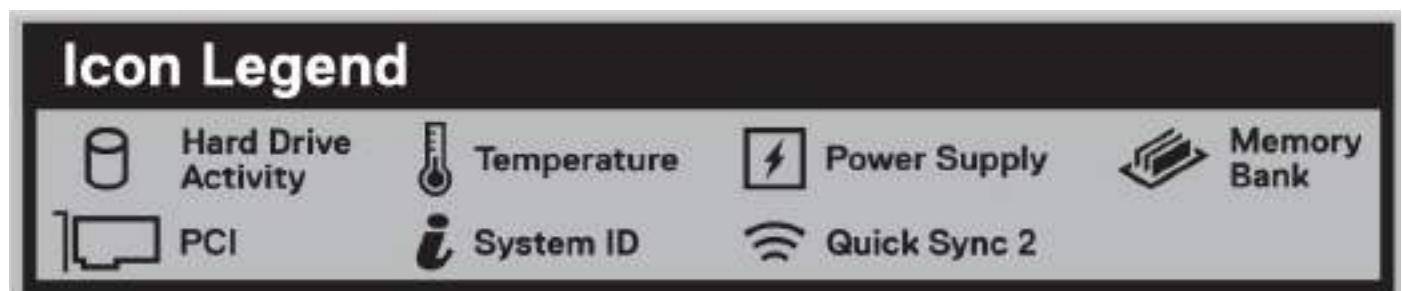


Figure 19. Icon legend

Configuration and Layout

Hot Swap Touchpoints (terracotta)

Cold Swap Touchpoints (blue)

Front View

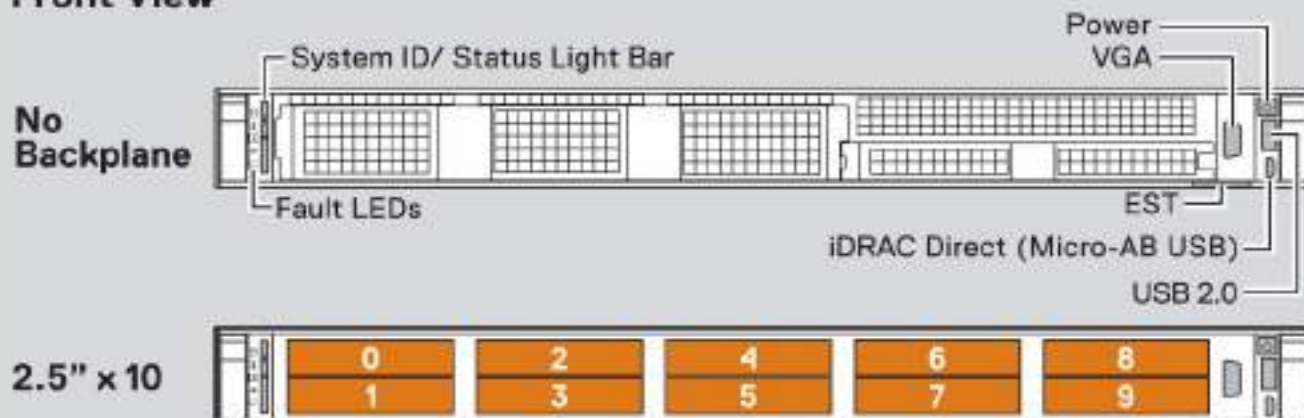


Figure 20. Configuration and layout for 2.5-inch drive system

Configuration and Layout

Hot Swap Touchpoints (terracotta)

Cold Swap Touchpoints (blue)

Front View

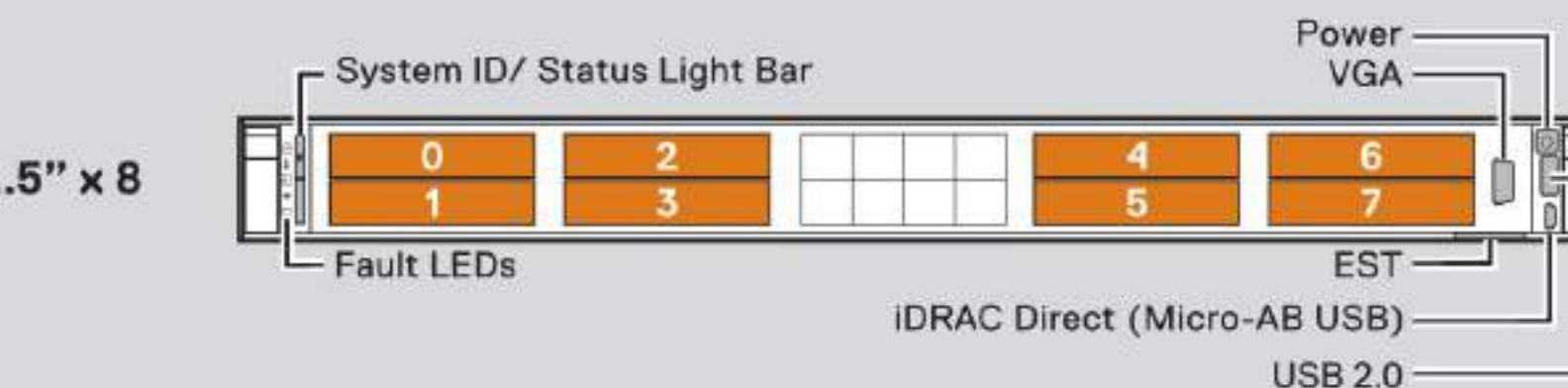


Figure 21. Configuration and layout for smart flow drive system

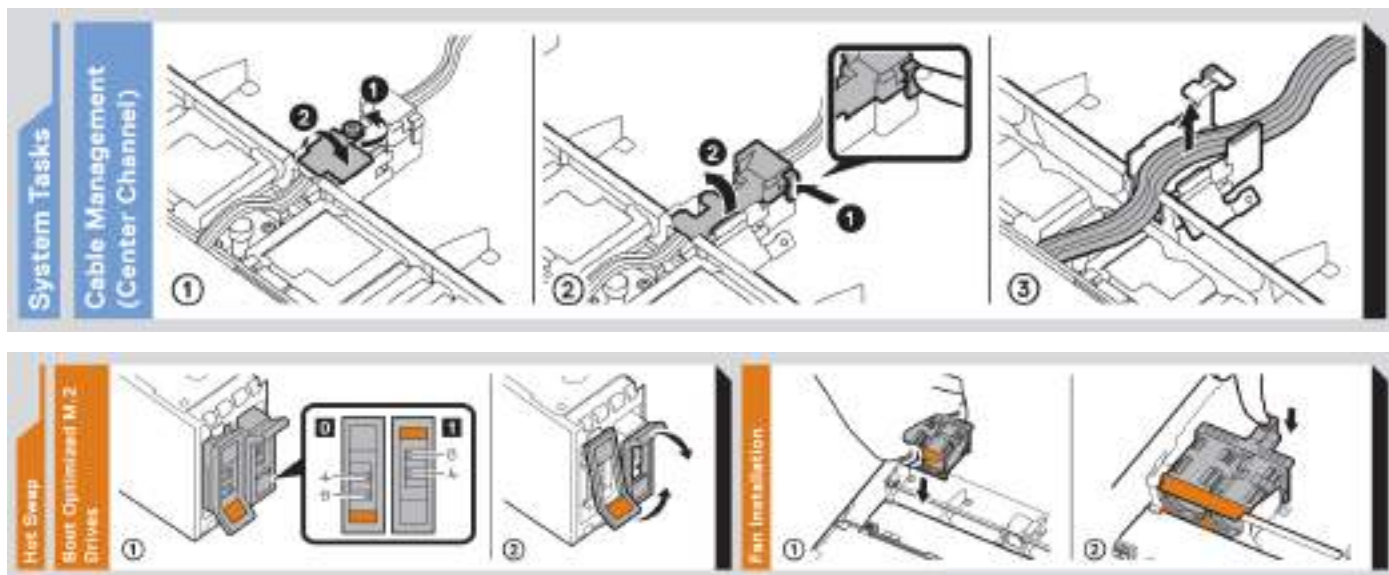


Figure 22. BOSS-N1 and Fan Installation



Figure 23. Express service tag

Rail sizing and rack compatibility matrix

For specific information about the rail solutions compatible with your system, see the [Dell Enterprise Systems Rail Sizing and Rack Compatibility Matrix](#).

The document provides the information that is listed below:

- Specific details about rail types and their functionalities.
- Rail adjustability range for various types of rack mounting flanges.
- Rail depth with and without cable management accessories.
- Types of racks supported for various types of rack mounting flanges.

Technical specifications

The technical and environmental specifications of your system are outlined in this section.

Topics:

- [Chassis dimensions](#)
- [System weight](#)
- [Processor specifications](#)
- [PSU specifications](#)
- [Cooling fan specifications](#)
- [Supported operating systems](#)
- [System battery specifications](#)
- [Expansion card riser specifications](#)
- [Memory specifications](#)
- [Storage controller specifications](#)
- [Drives](#)
- [Ports and connectors specifications](#)
- [Video specifications](#)
- [Environmental specifications](#)

Chassis dimensions

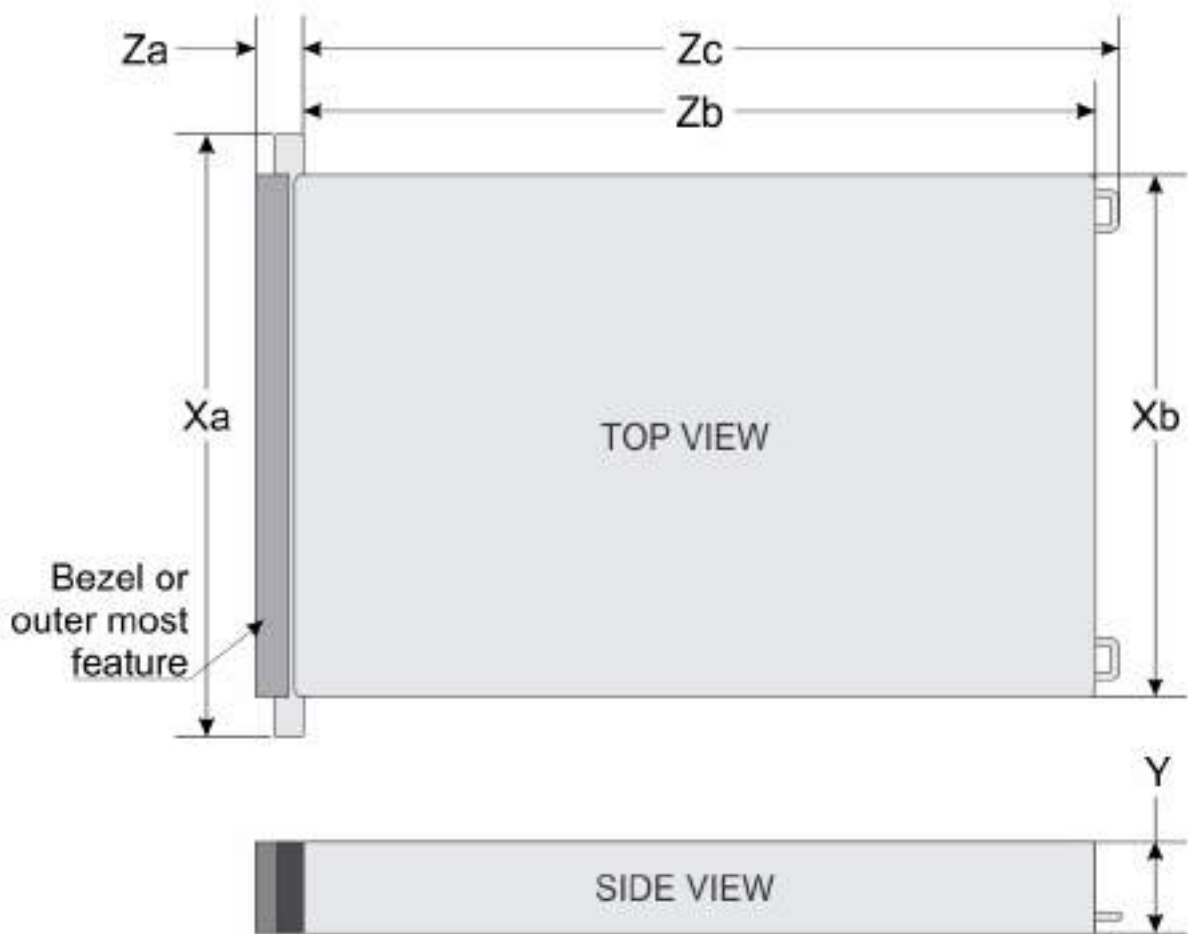


Figure 24. Chassis dimensions

Table 10. PowerEdge R6625 chassis dimensions

Drives	Xa	Xb	Y	Za with bezel	Za without bezel	Zb	Zc
0 drive	482.0 mm (18.97 inches)	434.0 mm (17.08 inches)	42.8 mm (1.685 inches)	35.84 mm (1.4 inches) With bezel	22.0 mm (0.87 inches) Without bezel	700.7 mm (27.58 inches) Ear to rear wall	736.29 mm (28.99 inches) Ear to PSU handle
4 drives, 8 drives, 10 drives	482.0 mm (18.97 inches)	434.0 mm (17.08 inches)	42.8 mm (1.685 inches)	35.84 mm (1.4 inches) With bezel	22.0 mm (0.87 inches) Without bezel	751.48 mm (29.59 inches) Ear to rear wall	787.05 mm (30.99 inches) Ear to PSU handle

NOTE: Zb is the nominal rear wall external surface where the system board I/O connectors reside.

System weight

Table 11. PowerEdge R6625 system weight

System configuration	Maximum weight (with all drives/SSDs)
A server with fully populated drives	20.4 kg (44.97 pound)
A server without drives and PSU installed	15.8 kg (34.83 pound)

Processor specifications

Table 12. PowerEdge R6625 processor specifications

Supported processor	Number of processors supported
AMD EPYC 4 th Generation 9004 Series processor	Up to two

PSU specifications

The PowerEdge R6625 system supports up to two AC or DC power supply units (PSUs).

Table 13. PSU specifications

PSU	Class	Heat dissipation (maximum) (BTU/hr)	Frequency (Hz)	Voltage	AC		DC	Current (A)
					High line wattage	Low line wattage		
800 W Mixed Mode	Platinum	3000	50/60	100-240 V AC	800 W	800 W	N/A	9.2-4.7 A
		3000	N/A	240 V DC	N/A	N/A	800 W	3.8A
1100 W Mixed Mode	Titanium	4125	50/60	100-240 V AC	1100 W	1050 W	N/A	12-6.3 A
		4125	N/A	240 V DC	N/A	N/A	1100 W	5.2 A
1100 W DC	N/A	4265	N/A	-48-(-60V) DC	N/A	N/A	1100 W	27 A
1400 W Mixed Mode	Platinum	5250	50/60	100-240 V AC	1400 W	1050 W	N/A	12-8
		5250	N/A	240 V DC	N/A	N/A	1400 W	6.6
	Titanium	5250	50/60	100-240 V AC	1400 W	1050 W	N/A	12-8
		5250	N/A	240 V DC	N/A	N/A	1400 W	6.5
	Titanium	5250	50/60	277 V AC	1400 W	1050 W	N/A	5.8
		5250	N/A	336 V DC	N/A	N/A	1400 W	5.17
1800 W Mixed Mode	Titanium	6610	50/60	200-240V AC	1800 W	N/A	N/A	10 A
		6610	N/A	240V DC	N/A	N/A	1800 W	8.2 A

NOTE: If a system with AC 1400 W/1100 W PSUs operate at low line 100-120 V AC, then the power rating per PSU is derated to 1050 W.

NOTE: Heat dissipation is calculated using the PSU wattage rating.

NOTE: When selecting or upgrading the system configuration, to ensure optimum power utilization, verify the system power consumption with the Enterprise Infrastructure Planning Tool available at [calc](#).

NOTE:

- HLAC stands for High-Line AC, with a range of 200 - 240 V AC.
- HVDC stands for High-Voltage DC, with 336 V DC.



Figure 25. PSU power cords

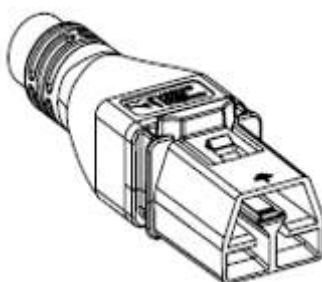


Figure 26. APP 2006G1 power cable

Table 14. PSU power cords

Form factor	Output	Power cord
Redundant 60 mm	800 W AC	C13
	1100 W AC	C13
	1100 W -48 LVDC	C13
	1400 W AC	C13
	1400 W mixed mode 277 Vac and HVDC	APP 2006G1
	1800 W AC	C15

NOTE: C13 power cord combined with C14 to C15 jumper power cord can be used to adapt 1800 W PSU.

Cooling fan specifications

The PowerEdge R6625 system supports up to four sets of standard or high-performance gold (HPR Gold) cooling fans.

NOTE: The R6625 includes dual fan module form factor. One set of fan module includes two fan body with one fan connector.

NOTE: R6625 allows use of Standard (STD) fans or High Performance Gold (HPR Gold) fans based on certain CPU TDP and drive configurations. HPR Gold fans provide a higher air flow rate through the system. For certain single CPU configurations only 3 sets of fan modules are required and in such configurations a fan blank is required to block fan bay 1.

Table 15. Cooling fan specifications

Fan type	Abbreviation	Also known as	Label color	Label image
Standard fan	STD	STD	No label	 Figure 27. Standard fan
High Performance Gold fan	HPR Gold	Very High Performance	High Performance Gold Grade	NOTE: The new cooling fans come with the High Performance Gold Grade label. While the older cooling fans have the High Performance label.  Figure 28. HPR Gold fan

NOTE: For more information about the supported fan configuration or matrix, see [Thermal Restriction Matrix](#).

Supported operating systems

The PowerEdge R6625 system supports the following operating system:

- Canonical Ubuntu Server LTS
- Microsoft Windows Server with Hyper-V
- Red Hat Enterprise Linux
- SUSE Linux Enterprise Server
- VMware ESXi
- Citrix XenServer

For more information, go to [OS support](#).

System battery specifications

The PowerEdge R6625 system uses one CR 2032 3.0-V lithium coin cell battery.

Expansion card riser specifications

The PowerEdge R6625 system supports up to 4 x PCIe Slots (with x8 or x16 lanes) and three PCI express (PCIe), both Gen 4 and Gen 5 expansion cards.

Table 16. Expansion card slots supported on the system board

Configurations	Expansion card riser	PCIe slots	Processor connection	Height	Length	Slot width
Config1. R2A+R3A	Riser 2A	Slot 1	Processor 1	Low Profile	Half Length	x16
		Slot 2	Processor 2	Low Profile	Half Length	x16
	Riser 3A	Slot 3	Processor 2	Low Profile	Half Length	x16
Config2. R2P + R3P	Riser 2P	Slot 1	Processor 1	Low Profile	Half Length	x16 (Gen5)
		Slot 2	Processor 2	Low Profile	Half Length	x16
	Riser 3P	Slot 3	Processor 2	Low Profile	Half Length	x16 (Gen5)
Config3. R1P + R4P	Riser 1P	Slot 1	Processor 1	Full Height	Half Length	x16 (Gen5)
	Riser 4P	Slot 2	Processor 2	Full Height	Half Length	x16 (Gen5)
Config4. R2Q	Riser 2Q	Slot 1	Processor 1	Low Profile	Half Length	x16 (Gen5)
		Slot 2	Processor 2	Low Profile	Half Length	x16 (Gen5)
Config5. R3P	Riser 3P	Slot 3	Processor 2	Low Profile	Half Length	x16 (Gen5)
Config6. R2S + R3S	Riser 2S	Slot 1	Processor 1	Low Profile	Half Length	x16 (Gen5)
	Riser 3S	Slot 3	Processor 2	Low Profile	Half Length	x16 (Gen5)
Config7. R2A	Riser 2A	Slot 1	Processor 1	Low Profile	Half Length	x16
Config8. R2A + R4 - E3 Paddle card	Riser 2A	Slot 1	Processor 1	Low Profile	Half Length	x16
	Riser 2A	Slot 2	Processor 2	Low Profile	Half Length	x16

Memory specifications

The PowerEdge R6625 system supports the following memory specifications for optimized operation.

Table 17. Memory specifications

DIMM type	DIMM rank	DIMM capacity	Single Processor		Dual Processor	
			Minimum system capacity	Maximum system capacity	Minimum system capacity	Maximum system capacity
RDIMM	Single Rank	16 GB	16 GB	192 GB	32 GB	384 GB
	Dual Rank	32 GB	32 GB	384 GB	64 GB	768 GB
		64 GB	64 GB	768 GB	128 GB	1.5 TB
		96 GB	96 GB	1.15 TB	192 GB	2.3 TB
	Quad Rank	128 GB	128 GB	1.5 TB	256 GB	3 TB
	Octa Rank	256 GB	256 GB	3 TB	512 GB	6 TB

NOTE: 256 GB RDIMM is not supported in 4 x 3.5-inch chassis configuration.

Table 18. Memory module sockets

Memory module slots	Speed
24, 288-pin	4800 MT/s

NOTE: DDR4 DIMM memory is not supported.

NOTE: Memory DIMM slots are not hot pluggable.

NOTE: Do not mix DIMM module types within a memory channel. All must be RDIMM or 3DS RDIMM module types with same ECC configuration.

NOTE: Do not mix x4 and x8 DIMMs with a memory channel.

Storage controller specifications

The PowerEdge R6625 system supports the following controller card:

Table 19. Storage controller cards

Supported storage controller card
Internal controller - PERC H755 - PERC H755N - PERC H965i - PERC H355
External controllers - HBA355e - PERC H965e - HBA465e
Internal Boot Boot Optimized Storage Subsystem (BOSS-N1): HWRAID 2 x M.2 SSDs
Software RAID S160
SAS Hot Bus adapter - HBA355i - HBA465i

Drives

The PowerEdge R6625 system supports:

- 4 x 3.5-inch hot-swappable SAS or SATA drives.
- 8 x 2.5-inch NVMe SSD drives.
- 10 x 2.5-inch hot-swappable SAS, SATA, or NVMe drives.
- 14 x E3.S hot-swappable E3.S NVMe direct/ RAID SSD drives.
- 16 x E3.S hot-swappable E3.S NVMe direct/ RAID SSD drives.

NOTE: For more information about how to hot swap NVMe PCIe SSD U.2 device, see the *Dell Express Flash NVMe PCIe SSD User's Guide* at [Dell Support](#) page > **Browse all Products** > **Data Center Infrastructure** > **Storage Adapters & Controllers** > **Dell PowerEdge Express Flash NVMe PCIe SSD** > **Documentation** > **Manuals and Documents**.

Ports and connectors specifications

USB ports specifications

Table 20. PowerEdge R6625 USB specifications

Front		Rear		Internal (optional)	
USB port type	No. of ports	USB port type	No. of ports	USB port type	No. of ports
USB 2.0-compliant port	One	USB 3.0-compliant port	One	Internal USB 3.0-compliant port	One
iDRAC Direct port (Micro-AB USB 2.0-compliant port)	One	USB 2.0-compliant ports	One		

NOTE: The micro USB 2.0 compliant port can only be used as an iDRAC Direct or a management port.

NIC port specifications

The PowerEdge R6625 system supports up to two 10/100/1000 Mbps Network Interface Controller (NIC) ports embedded on the LAN on Motherboard (LOM) and integrated on the Open Compute Project (OCP) cards.

Table 21. NIC port specification for the system

Feature	Specifications
LOM card (optional)	1 GbE x 2
OCP card (OCP 3.0) (optional)	1 GbE x 4, 10 GbE x 2, 10 GbE x 4, 25 GbE x 2, 25 GbE x 4
Management Interface Card (MIC) to support Dell Data Processing Unit (DPU) card (optional)	25 GbE x 2 or 100 GbE x 2

NOTE: The system allows either LOM card or an OCP card or both to be installed in the system.

NOTE: On the system board, the supported OCP PCIe width is x8; when x16 PCIe width is installed, it is downgraded to x8.

NOTE: The system allows either LOM card or MIC card to be installed in the system.

Serial connector specifications

The PowerEdge R6625 system supports one serial port on the system board, which is Data Terminal Equipment (DTE), 16550-compliant.

The serial connector is installed as default on the system board.

VGA ports specifications

The PowerEdge R6625 system supports two DB-15 VGA port one each on the front and back panel.

Video specifications

The PowerEdge R6625 system supports integrated Matrox G200 graphics controller with 16 MB of video frame buffer.

Table 22. Supported video resolution options

Resolution	Refresh rate (Hz)	Color depth (bits)
1024 x 768	60	8, 16, 32
1280 x 800	60	8, 16, 32
1280 x 1024	60	8, 16, 32
1360 x 768	60	8, 16, 32
1440 x 900	60	8, 16, 32
1600 x 900	60	8, 16, 32
1600 x 1200	60	8, 16, 32
1680 x 1050	60	8, 16, 32
1920 x 1080	60	8, 16, 32
1920 x 1200	60	8, 16, 32

Environmental specifications

Table 23. Continuous Operation Specifications for ASHRAE A2

Temperature	Specifications
Allowable continuous operations	
Temperature range for altitudes <= 900 m (<= 2953 ft)	10–35°C (50–95°F) with no direct sunlight on the equipment
Humidity percent range (non-condensing at all times)	8% RH with -12°C minimum dew point to 80% RH with 21°C (69.8°F) maximum dew point
Operational altitude de-rating	Maximum temperature is reduced by 1°C/300 m (1.8°F/984 Ft) above 900 m (2953 Ft)

Table 24. Continuous Operation Specifications for ASHRAE A3

Temperature	Specifications
Allowable continuous operations	

Table 24. Continuous Operation Specifications for ASHRAE A3 (continued)

Temperature	Specifications	
Temperature range for altitudes ≤ 900 m (≤ 2953 ft)	5–40°C (41–104°F) with no direct sunlight on the equipment	
	Excursion Limited Operation	5–35°C (41–95°F) Continuous Operation
		35–40°C (95–104°F) 10% Annual Runtime
Humidity percent range (non-condensing at all times)	8% RH with -12°C minimum dew point to 85% RH with 24°C (75.2°F) maximum dew point	
Operational altitude de-rating	Maximum temperature is reduced by 1°C/175 m (1.8°F/574 Ft) above 900 m (2953 Ft)	

Table 25. Continuous Operation Specifications for ASHRAE A4

Temperature	Specifications	
Allowable continuous operations		
Temperature range for altitudes <= 900 m (<= 2953 ft)	5–45°C (41–113°F) with no direct sunlight on the equipment	
	Excursion Limited Operation	5-35°C (41-95°F) Continuous Operation
		35-40°C (95-104°F) 10% Annual Runtime
		40-45°C (104-113°F) 1% Annual Runtime
Humidity percent range (non-condensing at all times)	8% RH with -12°C minimum dew point to 90% RH with 24°C (75.2°F) maximum dew point	
Operational altitude de-rating	Maximum temperature is reduced by 1°C/125 m (1.8°F/410 Ft) above 900 m (2953 Ft)	

Table 26. Common Environmental Specifications for ASHRAE A2, A3 and A4

Temperature	Specifications
Allowable continuous operations	
Maximum temperature gradient (applies to both operation and non-operation)	20°C in an hour* (36°F in an hour) and 5°C in 15 minutes (9°F in 15 minutes), 5°C in an hour* (9°F in an hour) for tape hardware <i>i</i> NOTE: * - Per ASHRAE thermal guidelines for tape hardware, these are not instantaneous rates of temperature change.
Non-operational temperature limits	-40 to 65°C (-40 to 149°F)
Non-operational humidity limits	5% to 95% RH with 27°C (80.6°F) maximum dew point
Maximum non-operational altitude	12,000 meters (39,370 feet)
Maximum operational altitude	3,048 meters (10,000 feet)

Table 27. Maximum vibration specifications

Maximum vibration	Specifications
Operating	0.21 G _{rms} at 5 Hz to 500 Hz for 10 minutes (all operation orientations)
Storage	1.88 G _{rms} at 10 Hz to 500 Hz for 15 minutes (all six sides tested)

Table 28. Maximum shock pulse specifications

Maximum shock pulse	Specifications
Operating	Six consecutively executed shock pulses in the positive and negative x, y, and z axis of 6 G for up to 11 ms

Table 28. Maximum shock pulse specifications (continued)

Maximum shock pulse	Specifications
Storage	Six consecutively executed shock pulses in the positive and negative x, y, and z axis (one pulse on each side of the system) of 71 G for up to 2 ms

Particulate and gaseous contamination specifications

The following table defines the limitations that help avoid any equipment damage or failure from particulates and gaseous contamination. If the levels of particulates or gaseous pollution exceed the specified limitations and result in equipment damage or failure, you may need to rectify the environmental conditions. Remediation of environmental conditions is the responsibility of the customer.

Table 29. Particulate contamination specifications

Particulate contamination	Specifications
Air filtration	Data center air filtration as defined by ISO Class 8 per ISO 14644-1 with a 95% upper confidence limit NOTE: This condition applies to data center environments only. Air filtration requirements do not apply to IT equipment designed to be used outside a data center, in environments such as an office or factory floor. NOTE: Air entering the data center must have MERV11 or MERV13 filtration.
Conductive dust	Air must be free of conductive dust, zinc whiskers, or other conductive particles NOTE: This condition applies to data center and non-data center environments.
Corrosive dust	- Air must be free of corrosive dust - Residual dust present in the air must have a deliquescent point less than 60% relative humidity NOTE: This condition applies to data center and non-data center environments.

Table 30. Gaseous contamination specifications

Gaseous contamination	Specifications
Copper coupon corrosion rate	<300 Å/month per Class G1 as defined by ANSI/ISA71.04-2013
Silver coupon corrosion rate	<200 Å/month as defined by ANSI/ISA71.04-2013

Particulate and gaseous contamination specifications

The following table defines the limitations that help avoid any equipment damage or failure from particulates and gaseous contamination. If the levels of particulates or gaseous pollution exceed the specified limitations and result in equipment damage or failure, you must rectify the environmental conditions. Remediation of environmental conditions is the responsibility of the customer.

Table 31. Particulate contamination specifications

Particulate contamination	Specifications
Air filtration: Conventional Data Center only	Data center air filtration as defined by ISO Class 8 per ISO 14644-1 with a 95% upper confidence limit

Table 31. Particulate contamination specifications (continued)

Particulate contamination	Specifications
	NOTE: Filtering room air with a MERV8 filter, as specified in ANSI/ASHRAE Standard 127, is a recommended method for achieving the necessary environmental conditions. NOTE: Air entering the data center must have MERV11 or MERV13 filtration. NOTE: This condition applies to data center environments only. Air filtration requirements do not apply to IT equipment designed to be used outside a data center, in environments such as an office or factory floor.
Walk-Up Edge Data Center or Cabinet (sealed, closed loop environment)	Filtration is not required for cabinets that are anticipated to be opened six times or less per year. Class 8 per ISO 1466-1 filtration as defined above is required otherwise. NOTE: In environments commonly above ISA-71 Class G1 or that may have known challenges, special filters may be required.
Conductive dust: data center and non-data center environments	Air must be free of conductive dust, zinc whiskers, or other conductive particles. NOTE: Conductive dust, which can interfere with equipment operation, can originate from various sources, including manufacturing processes and zinc whiskers that may develop on the plating of raised floor tiles. NOTE: This condition applies to data center and non-data center environments.
Corrosive dust: data center and non-data center environments	- Air must be free of corrosive dust. - Residual dust present in the air must have a deliquescent point less than 60% relative humidity. NOTE: This condition applies to data center and non-data center environments.

Table 32. Gaseous contamination specifications

Gaseous contamination	Specifications	Notes
Copper coupon corrosion rate	ISA-71 Class G1: <300 Å/month	Per ANSI/ISA71.04
Silver coupon corrosion rate	ISA-71 Class G1: <200 Å/month	Per ANSI/ISA71.04

Thermal restriction matrix

Table 33. Processor and heat sink matrix

Heat sink	Notes
T-type HSK	Air-cool HSK

Table 34. Label reference

Label	Description
STD	Standard
HPR Gold	High Performance Gold
HSK	Heat sink

Table 34. Label reference (continued)

Label	Description
LP	Low profile
FH	Full height

Table 35. Thermal restriction matrix for air cooling configuration

Configuration				4 x 3.5-inch SAS		10 x 2.5-inch SAS		16 E3		14 E3 No fPERC	8 x 2.5-inch NVMe		No BP	Ambient Temperature
Rear configuration				3 LP/ 2 FH	Rear E3	3 LP/ 2 FH	Rear 2 x 2.5-inch SAS Rear E3	3 LP/ 2 FH	2LP	2LP	3 LP/ 2 FH	2LP	3 LP	
CP U TD P	CP U cTD P Max	Model	Core Count	Fan Type										
210 W	240 W	9334	32	STD Fan	STD Fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	35°C
200 W	240 W	9254	24	STD Fan	STD Fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	35°C
200 W	240 W	9224	24	STD Fan	STD Fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	35°C
200 W	240 W	9124	16	STD Fan	STD Fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	HPR Gold fan	35°C
290 W	300 W	9634	84	STD Fan*	STD Fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan	HPR Gold fan	HPR Gold fan	35°C
290 W	300 W	9454	48	STD Fan*	STD Fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan	HPR Gold fan	HPR Gold fan	35°C
280 W	300 W	9534	64	STD Fan*	STD Fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan	HPR Gold fan	HPR Gold fan	35°C
280 W	300 W	9354	32	STD Fan*	STD Fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan	HPR Gold fan	HPR Gold fan	35°C
320 W	400 W	9174F	16	N/A	N/A	N/A	N/A	N/A	N/A	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	35°C
320 W	400 W	9274F	24	N/A	N/A	N/A	N/A	N/A	N/A	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	35°C
320 W	400 W	9374F	32	N/A	N/A	N/A	N/A	N/A	N/A	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	35°C

Table 35. Thermal restriction matrix for air cooling configuration (continued)

Configuration				4 x 3.5-inch SAS		10 x 2.5-inch SAS		16 E3		14 E3 No fPERC	8 x 2.5-inch NVMe		No BP	Ambient Temperature
Rear configuration				3 LP/ 2 FH	Rear E3	3 LP/ 2 FH	Rear 2 x 2.5-inch SAS Rear E3	3 LP/ 2 FH	2LP	2LP	3 LP/ 2 FH	2LP	3 LP	
CP U TDP	CP U cTDP Max	Model	Core Count	Fan Type										
360 W	400 W	9474F	48	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	35°C
360 W	400 W	9554	64	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	35°C
360 W	400 W	9654	96	N/A	N/A	N/A	N/A	N/A	N/A	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	35°C
360 W	400 W	9734	112	N/A	N/A	N/A	N/A	N/A	N/A	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	35°C
360 W	400 W	9754	128	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HPR Gold fan*	HPR Gold fan*	HPR Gold fan*	35°C

NOTE:

- * Supported ambient temperature is 30°C.
- Three dual fan modules are required for single processor, and four dual fan modules are required for dual processor system.
- All air-cooling configurations require CPU shroud.
- OCP Shroud is required to be installed with No Riser Configuration (RC0) when OCP card is present.
- For CPU power > 240 W, DIMM Blank is required to be installed in all empty DIMM slots. For single processor configuration, it follows the same rule for DIMM blanks support.
- For single processor configuration with 3 sets of fan, Fan1 location requires fan blank to be installed if there is no fan.
- For air cooling with 2 x 2.5-inch rear drive configuration, it is required to install Rear Drive Shroud in the system.

Table 36. Thermal restriction matrix for memory configuration

Configuration	4 x 3.5-inch SAS		10 x 2.5-inch SAS		16 E3		14 E3	8 x 2.5-inch NVMe		No BP
Rear configuration	3 LP/ 2 FH	Rear E3	3 LP/ 2 FH	Rear 2 x 2.5-inch SAS	3 LP/ 2 FH	2LP	2LP	3 LP/ 2 FH	2LP	3 LP
DIMM Configuration	STD Fan		HPR Gold fan							
16 GB RDIMM	35°C	35°C	35°C	35°C	35°C	35°C	35°C	35°C	35°C	35°C

Table 36. Thermal restriction matrix for memory configuration (continued)

Configuration	4 x 3.5-inch SAS		10 x 2.5-inch SAS		16 E3		14 E3	8 x 2.5-inch NVMe		No BP
Rear configuration	3 LP/ 2 FH	Rear E3	3 LP/ 2 FH	Rear 2 x 2.5-inch SAS	3 LP/ 2 FH	2LP	2LP	3 LP/ 2 FH	2LP	3 LP
DIMM Configuration	STD Fan		HPR Gold fan							
32 GB RDIMM	35°C	35°C	35°C	35°C	35°C	35°C	35°C	35°C	35°C	35°C
64 GB RDIMM	35°C	35°C	35°C	35°C	35°C	35°C	35°C	35°C	35°C	35°C
96 GB RDIMM	35°C	35°C	35°C	35°C	35°C	35°C	35°C	35°C	35°C	35°C
128 GB RDIMM	N/A	N/A	35°C	35°C	35°C	35°C	35°C	35°C	35°C	35°C
256 GB RDIMM	N/A	N/A	30°C	30°C	30°C	30°C	30°C	30°C	30°C	30°C

Thermal restriction for Direct Liquid Cooling

There are no thermal restriction to support all processors for liquid cooling configuration.

 **NOTE:** DIMM blank is not required for liquid cooling configuration. DLC does not support single processor configuration.

Extended Ambient Temperature Guidelines

The below tables provides the extended ambient temperature guidelines for various configurations listed below.

Table 37. Extended Ambient Temperature Guideline: 10 x 2.5-inch storage configuration

Dell PowerEdge Server Standard Operating Support (ASHRAE A2 compliant) All options supported unless otherwise noted.	Dell PowerEdge Server Extended Ambient 40°C Operating Support (ASHRAE A3 compliant)	Dell PowerEdge Server Extended Ambient 45°C Operating Support (ASHRAE A4 compliant)
CPU > 300 W are not supported	64 Gb or greater capacity RDIMMs are not supported	64 Gb or greater capacity RDIMMs are not supported
Maximum 30°C for CPU > 240 W	CPU > 195 W are not supported	CPU > 155 W are not supported
	Rear drives are not supported	Rear drives are not supported
	2.5-inch NVMe storage are not supported	2.5-inch NVMe storage are not supported
	A2 GPU is not supported	BOSS-N1 is not supported

Table 37. Extended Ambient Temperature Guideline: 10 x 2.5-inch storage configuration (continued)

Dell PowerEdge Server Standard Operating Support (ASHRAE A2 compliant) All options supported unless otherwise noted.	Dell PowerEdge Server Extended Ambient 40°C Operating Support (ASHRAE A3 compliant)	Dell PowerEdge Server Extended Ambient 45°C Operating Support (ASHRAE A4 compliant)
	Two power supplies are required. System performance may be reduced in the event of a PSU failure	A2 GPU is not supported
	Non-Dell qualified peripheral cards and/or peripheral cards greater than 25 W are not supported	Two power supplies are required. System performance may be reduced in the event of a PSU failure
	85°C active optics cable or DAC cable is required	Non-Dell qualified peripheral cards and/or peripheral cards greater than 25 W are not supported
		OCP 3.0 are not supported
		85°C active optics cable or DAC cable is required

Table 38. Extended Ambient Temperature Guideline: No Backplane Configuration

Dell PowerEdge Server Standard Operating Support (ASHRAE A2 compliant) All options supported unless otherwise noted.	Dell PowerEdge Server Extended Ambient 40°C Operating Support (ASHRAE A3 compliant)	Dell PowerEdge Server Extended Ambient 45°C Operating Support (ASHRAE A4 compliant)
Maximum 30°C for CPU > 300 W	64 Gb or greater capacity RDIMMs are not supported	64 Gb or greater capacity RDIMMs are not supported
	CPU > 240 W are not supported	CPU > 195 W are not supported
	A2 GPU is not supported	BOSS-N1 is not supported
	Two power supplies are required. System performance may be reduced in the event of a PSU failure	A2 GPU is not supported
	Non-Dell qualified peripheral cards and/or peripheral cards greater than 25 W are not supported.	Two power supplies are required. System performance may be reduced in the event of a PSU failure
	85°C active optics cable or DAC cable is required	Non-Dell qualified peripheral cards and/or peripheral cards greater than 25 W are not supported.
		OCP 3.0 are not supported
		85°C active optics cable or DAC cable is required

Table 39. Extended Ambient Temperature Guideline: Smart Flow 8 x 2.5-inch storage configuration

Dell PowerEdge Server Standard Operating Support (ASHRAE A2 compliant) All options supported unless otherwise noted.	Dell PowerEdge Server Extended Ambient 40°C Operating Support (ASHRAE A3 compliant)	Dell PowerEdge Server Extended Ambient 45°C Operating Support (ASHRAE A4 compliant)
Maximum 30°C for CPU > 300 W	64 Gb or greater capacity RDIMMs are not supported	64 Gb or greater capacity RDIMMs are not supported
	CPU > 240 W are not supported	CPU > 195 W are not supported
	2.5-inch NVMe storage are not supported	2.5-inch NVMe storage are not supported
	A2 GPU is not supported	BOSS-N1 is not supported

Table 39. Extended Ambient Temperature Guideline: Smart Flow 8 x 2.5-inch storage configuration (continued)

Dell PowerEdge Server Standard Operating Support (ASHRAE A2 compliant) All options supported unless otherwise noted.	Dell PowerEdge Server Extended Ambient 40°C Operating Support (ASHRAE A3 compliant)	Dell PowerEdge Server Extended Ambient 45°C Operating Support (ASHRAE A4 compliant)
	Two power supplies are required. System performance may be reduced in the event of a PSU failure	A2 GPU is not supported
	Non-Dell qualified peripheral cards and/or peripheral cards greater than 25 W are not supported	Two power supplies are required. System performance may be reduced in the event of a PSU failure
	85°C active optics cable or DAC cable is required	Non-Dell qualified peripheral cards and/or peripheral cards greater than 25 W are not supported
		OCP 3.0 are not supported
		85°C active optics cable or DAC cable is required

Table 40. Extended Ambient Temperature Guideline: 4 x 3.5-inch storage configuration

Dell PowerEdge Server Standard Operating Support (ASHRAE A2 compliant) All options supported unless otherwise noted.	Dell PowerEdge Server Extended Ambient 40°C Operating Support (ASHRAE A3 compliant)	Dell PowerEdge Server Extended Ambient 45°C Operating Support (ASHRAE A4 compliant)
CPU > 300W are not supported	32 Gb or greater capacity RDIMMs are not supported	32 Gb or greater capacity RDIMMs are not supported
Maximum 30°C for CPU > 240W	CPU > 195 W are not supported	CPU > 155 W are not supported
	Rear drives are not supported	Rear drives are not supported
	A2 GPU is not supported	BOSS-N1 is not supported
	Two power supplies are required. System performance may be reduced in the event of a PSU failure	A2 GPU is not supported
	Non-Dell qualified peripheral cards and/or peripheral cards greater than 25 W are not supported	Two power supplies are required. System performance may be reduced in the event of a PSU failure
	85°C active optics cable or DAC cable is required	Non-Dell qualified peripheral cards and/or peripheral cards greater than 25 W are not supported
		85°C active optics cable or DAC cable is required
		OCP 3.0 are not supported

Table 41. Extended Ambient Temperature Guideline: Direct Liquid Cooling (DLC)

Dell PowerEdge Server Extended Ambient 40°C Operating Support (ASHRAE A3 compliant)	Dell PowerEdge Server Extended Ambient 45°C Operating Support (ASHRAE A4 compliant)
Rear drives are not supported	Rear drives are not supported
64 Gb or greater capacity RDIMMs are not supported	64 Gb or greater capacity RDIMMs are not supported
A2 GPU is not supported	BOSS-N1 is not supported
Two power supplies are required. System performance may be reduced in the event of a PSU failure	A2 GPU is not supported

Table 41. Extended Ambient Temperature Guideline: Direct Liquid Cooling (DLC) (continued)

Dell PowerEdge Server Extended Ambient 40°C Operating Support (ASHRAE A3 compliant)	Dell PowerEdge Server Extended Ambient 45°C Operating Support (ASHRAE A4 compliant)
Non-Dell qualified peripheral cards and/or peripheral cards greater than 25 W are not supported	Two power supplies are required. System performance may be reduced in the event of a PSU failure
85°C active optics cable or DAC cable is required	Non-Dell qualified peripheral cards and/or peripheral cards greater than 25 W are not supported
	OCP 3.0 are not supported
	85°C active optics cable or DAC cable is required

Table 42. Extended Ambient Temperature Guideline: EDSFF Chassis

Dell PowerEdge Server Standard Operating Support (ASHRAE A2 compliant) All options supported unless otherwise noted.	Dell PowerEdge Server Extended Ambient 40°C Operating Support (ASHRAE A3 compliant)	Dell PowerEdge Server Extended Ambient 45°C Operating Support (ASHRAE A4 compliant)
CPU > 300W are not supported	64 Gb or greater capacity RDIMMs are not supported	32 Gb or greater capacity RDIMMs are not supported
Maximum 30°C for CPU > 240W	CPU > 195 W are not supported	CPU > 195 W are not supported
	NVMe storage is not supported	2.5-inch NVMe storage is not supported
	A2 GPU is not supported	BOSS-N1 is not supported
	Two power supplies are required. System performance may be reduced in the event of a PSU failure	A2 GPU is not supported
	Non-Dell qualified peripheral cards and/or peripheral cards greater than 25 W are not supported	Two power supplies are required. System performance may be reduced in the event of a PSU failure
	85°C active optics cable is required	Non-Dell qualified peripheral cards and/or peripheral cards greater than 25 W are not supported
		85°C active optics cable is required
		OCP 3.0 are not supported

Initial system setup and configuration

This section describes the tasks for initial setup and configuration of the Dell system. The section also provides general steps to set up the system and the reference guides for detailed information.

Topics:

- [Setting up the system](#)
- [iDRAC configuration](#)
- [Resources to install operating system](#)

Setting up the system

Perform the following steps to set up the system:

Steps

1. Unpack the system.
2. Install the system into the rack. For more information, see the rail installation and cable management accessory guides relevant to your rail and cable management solution at [PowerEdge manuals](#).
3. Connect the peripherals to the system and the system to the electrical outlet.
4. Power on the system.

For more information about setting up the system, see the *Getting Started Guide* that is shipped with your system.

 **NOTE:** For information about managing the basic settings and features of the system, see the [Pre-operating system management applications](#) chapter.

iDRAC configuration

The Integrated Dell Remote Access Controller (iDRAC) is designed to make you more productive as a system administrator and improve the overall availability of Dell servers. iDRAC alerts you to system issues, helps you to perform remote management, and reduces the need for physical access to the system.

Options to set up iDRAC IP address

To enable communication between your system and iDRAC, you must first configure the network settings based on your network infrastructure. The network settings option is set to **DHCP**, by default.

 **NOTE:** For static IP configuration, you must request for the settings at the time of purchase.

You can set up the iDRAC IP address using one of the interfaces in the table below. For information about setting up iDRAC IP address, see the documentation links provided in the table below.

Table 43. Interfaces to set up iDRAC IP address

Interface	Documentation links
iDRAC Settings utility	Integrated Dell Remote Access Controller User's Guide at iDRAC Manuals or for system specific Integrated Dell Remote Access Controller User's Guide, go to PowerEdge Manuals > Product Support page of your system > Documentation .

Table 43. Interfaces to set up iDRAC IP address (continued)

Interface	Documentation links
	i NOTE: To determine the most recent iDRAC release for your platform and for the latest documentation version, see KB article KB78115.
OpenManage Deployment Toolkit	<i>Dell OpenManage Deployment Toolkit User's Guide</i> available on the OpenManage manuals page. > Open Manage Deployment Toolkit.
iDRAC Direct	Integrated Dell Remote Access Controller User's Guide at iDRAC Manuals or for system specific Integrated Dell Remote Access Controller User's Guide, go to PowerEdge Manuals > Product Support page of your system > Documentation. i NOTE: To determine the most recent iDRAC release for your platform and for the latest documentation version, see KB article KB78115.
Lifecycle Controller	<i>Dell Lifecycle Controller User's Guide</i> at iDRAC Manuals or for system specific <i>Dell Lifecycle Controller User's Guide</i>, go to PowerEdge Manuals > Product Support page of your system > Documentation. i NOTE: To determine the most recent iDRAC release for your platform and for the latest documentation version, see KB article Integrated Dell Remote Access Controller 9 Versions and Release Notes.
Server LCD panel	Refer LCD panel section.
iDRAC Direct and Quick Sync 2 (optional)	Integrated Dell Remote Access Controller User's Guide at iDRAC Manuals or for system specific Integrated Dell Remote Access Controller User's Guide, go to PowerEdge Manuals > Product Support page of your system > Documentation. i NOTE: To determine the most recent iDRAC release for your platform and for the latest documentation version, see KB article KB78115.

i **NOTE:** To access iDRAC, ensure that you connect the Ethernet cable to the iDRAC dedicated network port or use the iDRAC Direct port by using the micro USB (type AB) cable. You can also access iDRAC through the shared LOM mode, if you have opted for a system that has the shared LOM mode enabled.

Options to log in to iDRAC

To log in to the iDRAC Web User Interface, open a browser and enter the IP address.

You can log in to iDRAC as:

- iDRAC user
- Microsoft Active Directory user
- Lightweight Directory Access Protocol (LDAP) user

In the login screen displayed, if you have opted for secure default access to iDRAC, the default username is `root` and enter the iDRAC secure default password available on back of the Information Tag. If you opted for legacy password, use the iDRAC legacy username and password - `root` and `calvin`, the iDRAC default password will be blank on the information tag. Then you will be prompted and required to create a password of your choice before proceeding. You can also log in by using your Single Sign-On or Smart Card.

i **NOTE:** Ensure that you change the default username and password after setting up the iDRAC IP address.

For more information about logging in to the iDRAC and iDRAC licenses, see the latest *Integrated Dell Remote Access Controller User's Guide* at [idrac manuals](#).

 **NOTE:** To determine the most recent iDRAC release for your platform and for latest documentation version, see KB article KB78115.

You can also access iDRAC using command-line protocol - RACADM. For more information, see the [Integrated Dell Remote Access Controller RACADM CLI Guide](#).

You can also access iDRAC using automation tool - Redfish API. For more information, see the [Integrated Dell Remote Access Controller User's Guide Redfish API Guide](#).

Resources to install operating system

If the system is shipped without an operating system, you can install a supported operating system by using one of the resources that are provided in the table below. For information about how to install the operating system, see the documentation links provided in the table below.

Table 44. Resources to install the operating system

Resource	Documentation links
iDRAC	Integrated Dell Remote Access Controller User's Guide at iDRAC Manuals or for system specific Integrated Dell Remote Access Controller User's Guide, go to PowerEdge Manuals > Product Support page of your system > Documentation .  NOTE: To determine the most recent iDRAC release for your platform and for the latest documentation version, see KB article at KB78115 .
Lifecycle Controller	<i>Dell Lifecycle Controller User's Guide</i> at iDRAC Manuals or for system specific <i>Dell Lifecycle Controller User's Guide</i> , go to PowerEdge Manuals > Product Support page of your system > Documentation . Dell recommends using Lifecycle Controller to install the OS, since all required drivers are installed on the system.  NOTE: To determine the most recent iDRAC release for your platform and for the latest documentation version, see KB article at KB78115 .
OpenManage Deployment Toolkit	OpenManage Manuals > OpenManage Deployment Toolkit
Dell certified VMware ESXi	Virtualization solutions

 **NOTE:** For more information about installation and how-to videos for operating systems that are supported on PowerEdge systems, see [Supported Operating Systems for Dell PowerEdge systems](#).

Options to download drivers and firmware

You can download drivers and firmware from the [FTP site](#). For more information about username and password, contact your TAM (Tech Account Manager).

You can download firmware from the Dell support site. For information about downloading firmware, see the [Downloading drivers and firmware](#) section.

Options to download and install OS drivers

You can choose any one of the following options to download and install OS drivers. For information about how to download or install OS drivers, see the documentation links provided in the table below.

Table 45. Options to download and install OS drivers

Option	Documentation
Dell support site	Downloading drivers and firmware section.
iDRAC virtual media	Integrated Dell Remote Access Controller User's Guide or for system specific, go to Integrated Dell Remote Access

Table 45. Options to download and install OS drivers (continued)

Option	Documentation
	Controller User's Guide > Product Support page of your system > Documentation .  NOTE: To determine the most recent iDRAC release for your platform and for latest documentation version, see Integrated Dell Remote Access Controller Release Notes .

Downloading drivers and firmware

It is recommended that you download and install the latest BIOS, drivers, and systems management firmware on the system.

Prerequisites

Ensure that you clear the web browser cache before downloading the drivers and firmware.

Steps

1. Go to [Drivers](#).
2. Enter the Service Tag of the system in the **Enter a Dell Service Tag, Dell Product ID or Model** field, and then press Enter.
 **NOTE:** If you do not have the Service Tag, click **Browse all products**, and navigate to your product.
3. On the displayed product page, click **Drivers & Downloads**.
On the **Drivers & Downloads** page, all drivers that are applicable to the system are displayed.
4. Download the drivers to a USB drive, CD, or DVD.

Pre-operating system management applications

You can manage basic settings and features of a system without booting to the operating system by using the system firmware.

NOTE: When the message, "Please wait while the system is initializing" is displayed during boot-up, the system is primarily in the AMD reference code stage. The duration of this stage may vary depending on system configurations, such as memory population, among other factors. This stage may take a while to complete.

Options to manage the pre-operating system applications

You can use any one of the following options to manage the pre-operating system applications:

- System Setup
- Dell Lifecycle Controller
- Boot Manager
- Preboot Execution Environment (PXE)

Topics:

- [System Setup](#)
- [Dell Lifecycle Controller](#)
- [Boot Manager](#)
- [PXE boot](#)

System Setup

Using the **System Setup** option, you can configure the BIOS settings, iDRAC settings, and device settings of the system.

You can access the system setup by using any one of the following interfaces:

- Graphical User interface — To access go to iDRAC Dashboard, click **Configuration**, and click **BIOS Settings**.
- Text browser — The browser is enabled by using Console Redirection.

To view **System Setup**, power on the system, press F2, and click **System Setup Main Menu**.

NOTE: If the operating system begins to load before you press F2, wait for the system to finish booting, and then restart the system and try again.

The **System Setup Main Menu** screen details are described as follows:

Table 46. System Setup Main Menu

Option	Description
System BIOS	Enables you to configure the BIOS settings.
iDRAC Settings	Enables you to configure the iDRAC settings. The iDRAC settings utility is an interface to set up and configure the iDRAC parameters by using UEFI (Unified Extensible Firmware Interface). You can enable or disable various iDRAC parameters by using the iDRAC settings utility. For more information about this utility, see <i>Integrated Dell Remote Access Controller User's Guide</i> at PowerEdge Manuals .
Device Settings	Enables you to configure device settings for devices such as storage controllers or network cards.

System BIOS

To view the **System BIOS** screen, power on the system, press F2, and click **System Setup Main Menu > System BIOS**.

Table 47. System BIOS details

Option	Description
System Information	Provides information about the system such as the system model name, BIOS version, and Service Tag.
Memory Settings	Specifies information and options related to the installed memory.
Processor Settings	Specifies information and options related to the processor such as speed and cache size.
SATA Settings	Specifies options to enable or disable the integrated SATA controller and ports.
NVMe Settings	Specifies options to change the NVMe settings. If the system contains the NVMe drives that you want to configure in a RAID array, you must set both this field and the Embedded SATA field on the SATA Settings menu to RAID mode. You might also need to change the Boot Mode setting to UEFI . Otherwise, you should set this field to Non-RAID mode.
Boot Settings	Specifies options to specify the Boot mode (BIOS or UEFI). Enables you to modify UEFI and BIOS boot settings.
Network Settings	Specifies options to manage the UEFI network settings and boot protocols. Legacy network settings are managed from the Device Settings menu.  NOTE: Network Settings are not supported in BIOS boot mode.
Integrated Devices	Specifies options to manage integrated device controllers and ports, specifies related features, and options.
Serial Communication	Specifies options to manage the serial ports, its related features, and options.
System Profile Settings	Specifies options to change the processor power management settings, memory frequency.
System Security	Specifies options to configure the system security settings, such as system password, setup password, Trusted Platform Module (TPM) security, and UEFI secure boot. It also manages the power button on the system
Redundant OS Control	Sets the redundant OS information for redundant OS control.
Miscellaneous Settings	Specifies options to change the system date and time.

System Information

To view the **System Information** screen, power on the system, press F2, and click **System Setup Main Menu > System BIOS > System Information**.

Table 48. System Information details

Option	Description
System Model Name	Specifies the system model name.
System BIOS Version	Specifies the BIOS version installed on the system.
System Service Tag	Specifies the system Service Tag.
System Manufacturer	Specifies the name of the system manufacturer.
System Manufacturer Contact Information	Specifies the contact information of the system manufacturer.

Table 48. System Information details (continued)

Option	Description
System CPLD Version	Specifies the current version of the system complex programmable logic device (CPLD) firmware.
UEFI Compliance Version	Specifies the UEFI compliance level of the system firmware.
AGESA Version	Specifies the AGESA reference code version.
SMU Version	Specifies the SMU firmware version.
MPIO Version	Specifies the MPIO firmware version.

Memory Settings

To view the **Memory Settings** screen, power on the system, press F2, and click **System Setup Main Menu > System BIOS > Memory Settings**.

Table 49. Memory Settings details

Option	Description
System Memory Size	Specifies the memory size in the system.
System Memory Type	Specifies the type of memory installed in the system.
System Memory Speed	Specifies the system memory speed.
Video Memory	Specifies the amount of video memory.
System Memory Testing	Specifies whether the system memory tests are run during system boot. The two options available are Enabled and Disabled . This option is set to Disabled by default.
DRAM Refresh Delay	By enabling the CPU memory controller to delay running the REFRESH commands, you can improve the performance for some workloads. By minimizing the delay time, it is ensured that the memory controller runs the REFRESH command at regular intervals. For Intel-based servers, this setting only affects systems configured with DIMMs which use 8 Gb density DRAMs. This option is set to Minimum by default.
DIMM Self Healing(Post Package Repair) on Uncorrectable Memory Error	Enables or disables Post Package Repair (PPR) on Uncorrectable Memory Error. This option is set to Enabled by default.
Correctable Error Logging	Enables or disables correctable error logging. This option is set to Disabled by default.

Processor Settings

To view the **Processor Settings** screen, power on the system, press F2, and click **System Setup Main Menu > System BIOS > Processor Settings**.

i NOTE: In the BIOS setup, a warning prompt has been added to prevent users from setting the processor thread count to less than eight. The prompt reads: *Please ensure that the thread count will not be less than 8. Verify Logical Processor, Number of CCDs per Processor, and Number of Cores per CCD settings.* This prompt is only applicable for 4th Generation AMD EPYC processors and after.

Table 50. Processor Settings details

Option	Description
Logical Processor	Each processor core supports up to two logical processors. If this option is set to Enabled , the BIOS displays all the logical processors. If this option is set to Disabled , the BIOS displays only one logical processor per core. This option is set to Enabled by default.

Table 50. Processor Settings details (continued)

Option	Description
Virtualization Technology	Enables or disables the virtualization technology for the processor. This option is set to Enabled by default.
IOMMU Support	Enable or Disable IOMMU support. It is required to create IVRS ACPI table. This option is set to Enabled by default.
Kernel DMA Protection	When this option is set to Enabled, using IOMMU, BIOS, and the Operating System will enable direct memory access protection for DMA capable peripheral devices. Enable IOMMU Support to use this option. This option is set to Disabled by default. When set to Enabled by using Virtualization Technology, BIOS and Operating System will enable direct memory access protection for DMA capable peripheral devices. Enable Virtualization Technology to use this option.
L1 Stream HW Prefetcher	Enables or disables the L1 stream hardware prefetcher. This option is set to Enabled by default.
L2 Stream HW Prefetcher	Enables or disables the L2 stream hardware prefetcher. This option is set to Enabled by default.
L1 Stride Prefetcher	Enables or disables the L1 stride prefetcher. This option is set to Enabled by default, as it optimizes overall workload.  NOTE: This option is only available for 4 th Generation AMD EPYC processors.
L1 Region Prefetcher	Enables or disables the L1 region prefetcher. This option is set to Enabled by default, as it optimizes overall workload.  NOTE: This option is only available for 4 th Generation AMD EPYC processors.
L2 Up Down Prefetcher	Enables or disables the L2 up down prefetcher. This option is set to Enabled by default, as it optimizes overall workload.  NOTE: This option is only available for 4 th Generation AMD EPYC processors.
MADT Core Enumeration	Specifies the MADT Core Enumeration. This option is set to Linear by default.
NUMA Nodes Per Socket	Specifies the number of NUMA nodes per socket. This option is set to 1 by default.
L3 cache as NUMA Domain	Enables or disables the CCX as NUMA Domain. This option is set to Disabled by default.
Secure Memory Encryption	Enables or disables the AMD secure encryption features such as SME and Secure Encrypted Virtualization (SEV) . It also determines if other secure encryption features such as TSME and SEV-SNP can be enabled. This option is set to Disabled by default.  NOTE: This option is only available for 4 th Generation AMD EPYC processors.
Minimum SEV non-ES ASID	Determines the number of Secure Encrypted Virtualization ES and non-ES available Address Space IDs. This option is set to 1 by default.
Secured Nested Paging	Enables or disables SEV-SNP , a set of additional security protections. This option is set to Disabled by default.
SNP Memory Coverage	This option selects the operating mode of the Nested Paging (SNP) Memory and the reverse Map Table(RMP). The RMP

Table 50. Processor Settings details (continued)

Option	Description
	is used to ensure a one-to-one mapping between system physical addresses and guest physical addresses.
Transparent Secure Memory Encryption	Enables or disables the TSME. TSME is always-on memory encryption that does not require OS or hypervisor support. This option is set to Disabled by default. • If the OS supports SME, do not enable this field. • If the hypervisor supports SEV, do not enable this field. Enabling TSME affects the system memory performance.
ACPI CST C2 Latency	Enter in 18 - 1000 microseconds (decimal value). Larger C2 latency values will reduce the number of C2 transitions and reduce C2 residency. Fewer transitions can help when performance is sensitive to the latency of C2 entry and exit. Higher residency can improve performance by allowing higher frequency boost and reduce idle core power. With Linux kernel 6.0 or later, the C2 transition cost is significantly reduced. The best value will be dependent on kernel version, use case, and workload.
Configurable TDP	Allows the reconfiguration of the processor Thermal Design Power (TDP) levels based on the power and thermal delivery capabilities of the system. TDP refers to the maximum amount of power the cooling system is required to dissipate. This option is set to Maximum by default. NOTE: This option is only available on certain SKUs of the processors, and the number of alternative levels varies as well.
x2APIC Mode	Enables or disables x2APIC mode. This option is set to Enabled by default. NOTE: For two CPU 64 cores configuration, x2APIC mode is not switchable if 256 threads are enabled (BIOS settings: All CCD, cores, and logical processors enabled).
Number of CCDs per Processor	Controls the number of enabled CCDs in each processor. This option is set to All by default.
Number of Cores per CCD	Specifies the number of cores per CCD. This option is set to All by default.
Processor Core Speed	Specifies the maximum core frequency of the processor.
Processor Bus Speed	Displays the bus speed of the processor(s).
Processor n	NOTE: Depending on the number of CPUs, there might be up to n processors listed. The following settings are displayed for each processor that is installed in the system:

Table 51. Processor n details

Option	Description
Family-Model-Stepping	Specifies the family, model, and stepping of the processor as defined by AMD.
Brand	Specifies the brand name.
Level 2 Cache	Specifies the total L2 cache.

Table 51. Processor n details (continued)

Option	Description
Level 3 Cache	Specifies the total L3 cache.
Number of Cores	Specifies the number of cores per processor.
Microcode	Specifies the processor microcode version.

SATA Settings

To view the **SATA Settings** screen, power on the system, press F2, and click **System Setup Main Menu > System BIOS > SATA Settings**.

Table 52. SATA Settings details

Option	Description
Embedded SATA	Enables the embedded SATA option to be set to Off , AHCI mode , or RAID modes . This option is set to AHCI Mode by default. NOTE: 1. You might also need to change the Boot Mode setting to UEFI. Otherwise, you should set the field to Non-RAID mode. 2. No ESXi and Ubuntu OS support under RAID mode.
Security Freeze Lock	Sends Security Freeze Lock command to the embedded SATA drives during POST. This option is applicable only for AHCI Mode. This option is set to Enabled by default.
Write Cache	Enables or disables the command for the embedded SATA drives during POST. This option is set to Disabled by default.

NVMe Settings

To view the **NVMe Settings** screen, power on the system, press F2, and click **System Setup Main Menu > System BIOS > NVMe Settings**.

Table 53. NVMe Settings details

Option	Description
NVMe Mode	This option sets the NVMe drive mode. If the system contains NVMe drives that you want to configure in a RAID array, you must set both this field and the Embedded SATA field on the SATA settings menu to RAID Mode. You may also need to change the Boot Mode setting to UEFI. The option is set to Non-RAID mode by default.
BIOS NVMe Driver	Dell Qualified NVMe drives always use the UEFINVMe driver built into the Dell EROS. When this option is set to 'All Drives', the BIOS driver will also be used with any NVMe drives in the system that has not been qualified by Dell. The option is set to Dell Qualified Drives by default. NOTE: When this option is set to 'All Drives' and non-Dell qualified NVMe drives are present, you have a configuration that has not been validated which may lead to unexpected behavior.

Boot Settings

You can use the **Boot Settings** screen to set the boot mode to either **BIOS** or **UEFI**. It also enables you to specify the boot order.

- **UEFI:** The Unified Extensible Firmware Interface (UEFI) is a new interface between operating systems and platform firmware. The interface consists of data tables with platform related information, boot and runtime service calls that are available to the operating system and its loader. The following benefits are available when the **Boot Mode** is set to **UEFI**:

- Support for drive partitions larger than 2 TB.
- Enhanced security (e.g., UEFI Secure Boot).
- Faster boot time.

 **NOTE:** You must use only the UEFI boot mode in order to boot from NVMe drives.

- **BIOS:** The **BIOS Boot Mode** is the legacy boot mode. It is maintained for backward compatibility.

To view the **Boot Settings** screen, power on the system, press F2, and click **System Setup Main Menu > System BIOS > Boot Settings**.

Table 54. Boot Settings details

Option	Description						
Boot Mode	Enables you to set the boot mode of the system. If the operating system supports UEFI, you can set this option to UEFI. Setting this field to BIOS allows compatibility with non-UEFI operating systems. This option is set to UEFI by default.  CAUTION: Switching the boot mode may prevent the system from booting if the operating system is not installed in the same boot mode.  NOTE: Setting this field to UEFI disables the BIOS Boot Settings menu.						
Boot Sequence Retry	Enables or disables the Boot Sequence Retry feature. If this option is set to Enabled and the system fails to boot, the system re-attempts the boot sequence after 30 seconds. This option is set to Enabled by default.						
Hard Disk Failover	Enables or disables the Hard-disk failover. This option is set to Disabled by default.						
Generic USB Boot	Enables or disables the generic USB boot placeholder. This option is set to Disabled by default.						
Hard-disk Drive Placeholder	Enables or disables the Hard-disk drive placeholder. This option is set to Disabled by default.						
Clean all SysPrep variables and order	When set to None , BIOS will do nothing. When set to Yes , BIOS will delete variables of SysPrep #### and SysPrepOrder this option is a onetime option, will reset to none when deleting variables. This setting is only available in UEFI Boot Mode . This option is set to None by default.						
UEFI Boot Settings	Specifies the UEFI boot sequence. Enables or disables UEFI Boot options.  NOTE: This option controls the UEFI boot order. The first option in the list will be attempted first. Table 55. UEFI Boot Settings <table> <tr> <th>Option</th><th>Description</th></tr> <tr> <td>UEFI Boot Sequence</td><td>Enables you to change the boot device order.</td></tr> <tr> <td>Boot Option Enable/Disable</td><td>Enables you to select the enabled or disabled boot devices</td></tr> </table>	Option	Description	UEFI Boot Sequence	Enables you to change the boot device order.	Boot Option Enable/Disable	Enables you to select the enabled or disabled boot devices
Option	Description						
UEFI Boot Sequence	Enables you to change the boot device order.						
Boot Option Enable/Disable	Enables you to select the enabled or disabled boot devices						

Choosing system boot mode

System Setup enables you to specify one of the following boot modes for installing your operating system:

- UEFI boot mode (the default), is an enhanced 64-bit boot interface. If you have configured your system to boot to UEFI mode, it replaces the system BIOS.
1. From the **System Setup Main Menu**, click **Boot Settings**, and select **Boot Mode**.
 2. Select the UEFI boot mode you want the system to boot into.

 **CAUTION:** Switching the boot mode may prevent the system from booting if the operating system is not installed in the same boot mode.

3. After the system boots in the specified boot mode, proceed to install your operating system from that mode.

NOTE: Operating systems must be UEFI-compatible to be installed from the UEFI boot mode. DOS and 32-bit operating systems do not support UEFI and can only be installed from the BIOS boot mode.

NOTE: For the latest information about supported operating systems, go to [OS support](#).

Changing boot order

About this task

You may have to change the boot order if you want to boot from a USB key or an optical drive. The following instructions may vary if you have selected **BIOS** for **Boot Mode**.

NOTE: Changing the drive boot sequence is only supported in BIOS boot mode.

Steps

1. On the **System Setup Main Menu** screen, click **System BIOS > Boot Settings > UEFI Boot Settings > UEFI Boot Sequence**.
2. Use the arrow keys to select a boot device, and use the plus (+) and minus (-) sign keys to move the device down or up in the order.
3. Click **Exit**, and then click **Yes** to save the settings on exit.

NOTE: You can also enable or disable boot order devices as needed.

Network Settings

To view the **Network Settings** screen, power on the system, press F2, and click **System Setup Main Menu > System BIOS > Network Settings**.

NOTE: For information about Linux network performance settings, see the *Linux Network Tuning Guide for AMD EPYC Processor Based Servers* at [AMD.com](#).

NOTE: Network Settings are not supported in BIOS boot mode.

Table 56. Network Settings details

Option	Description
UEFI PXE Settings	Enables you to control the configuration of the UEFI PXE device.
Number of PXE Devices	Enables you to choose the number of PXE Devices from 1 to 4, 8, 12, 16.
PXE Device n (n = 1 to 16)	Enables or disables the device. When enabled, a UEFI PXE boot option is created for the device.
PXE Device n Settings (n = 1 to 16)	Enables you to control the configuration of the PXE device.
UEFI HTTP Settings	Enables you to control the configuration of the UEFI HTTP device.
HTTP Device n (n = 1 to 4)	Enables or disables the device. When enabled, a UEFI HTTP boot option is created for the device.
HTTP Device n Settings (n = 1 to 4)	Enables you to control the configuration of the HTTP device.
UEFI iSCSI Settings	Enables you to control the configuration of the iSCSI device.
UEFI NVMe-oF Settings	Enables you to control the configuration of the NVMe-oF device.

Table 57. PXE Device n Settings details

Option	Description
Interface	Specifies NIC interface used for the PXE device.

Table 57. PXE Device n Settings details (continued)

Option	Description
Protocol	Specifies Protocol used for PXE device. This option is set to IPv4 or IPv6 . This option is set to IPv4 by default.
VLAN	Enables VLAN for PXE device. This option is set to Enable or Disable . This option is set to Disable by default.
VLAN ID	Shows the VLAN ID for the PXE device
VLAN Priority	Shows the VLAN Priority for the PXE device.

Table 58. HTTP Device n Settings details

Option	Description
Interface	Specifies NIC interface used for the HTTP device.
Protocol	Specifies Protocol used for HTTP device. This option is set to IPv4 or IPv6. This option is set to IPv4 by default. The following options will be available when Protocol is set as IPv6: Auto Configuration: IPv6 Auto Configuration Enable/Disabled for this HTTP Device. IPv6 Address: IPv6 Unicast address for this HTTP Device. Prefix Length: IPv6 Prefix Length (0-128) for this HTTP Device.
VLAN	Enables VLAN for HTTP device. This option is set to Enable or Disable . This option is set to Disable by default.
VLAN ID	Shows the VLAN ID for the HTTP device
VLAN Priority	Shows the VLAN Priority for the HTTP device.
DHCP	Enables or disables DHCP for this HTTP device. This option is set to Enable by default.
IP Address	Specifies IP address for the HTTP device.
Subnet Mask	Specifies subnet mask for the HTTP device.
Gateway	Specifies gateway for the HTTP device.
DNS info via DHCP	Enables or disables DNS Information from DHCP. This option is set to Enable by default.
Primary DNS	Specifies the primary DNS server IP address for the HTTP Device.
Secondary DNS	Specifies the secondary DNS server IP address for the HTTP Device.
URI (will obtain from DHCP server if not specified)	The URI will be obtained from the DHCP server if not specified.
TLS Authentication Configuration	View and/or modify this device's boot TLS authentication configuration.

Table 59. UEFI ISCSI Settings screen details

Option	Description
ISCSI Initiator Name	Specifies the name of the ISCSI initiator in IQN format.
ISCSI Device1	Enables or disables the ISCSI device. When disabled, a UEFI boot option is created for the ISCSI device automatically. This is set to Disabled by default.
ISCSI Device1 Settings	Enables you to control the configuration of the ISCSI device.

Table 60. iSCSI Device1 Settings screen details

Option	Description
Connection 1	Enables or disables the iSCSI connection. This option is set to Disable by default.
Connection 2	Enables or disables the iSCSI connection. This option is set to Disable by default.
Connection 1 Settings	Enables you to control the configuration for the iSCSI connection.
Connection 2 Settings	Enables you to control the configuration for the iSCSI connection.
Connection Order	Enables you to control the order for which the iSCSI connections will be attempted.
iSCSI F1/F2 Prompt on Error	This field determines whether the BIOS stops and displays a prompt when iSCSI connection errors occur during POST. The BIOS will display the prompt when this setting is Enabled; otherwise, the BIOS will continue through POST and attempt to boot an operating system.  NOTE: This setting will be grayed out if F1/F2 Prompt on Error in the Miscellaneous Settings menu is Disabled.

Table 61. UEFI NVMe-oF Settings screen details

Option	Description
NVMe-oF	Enables or disables the NVMe-oF device. When disabled, a UEFI boot option is created for the NVMe-oF device automatically. This is set to Disabled by default.
NVMe-oF Host NQN	Specifies Host NQN of the NVMe-oF device.
NVMe-oF Host Id	Specifies Host Id of the NVMe-oF device.
Host Security Key Path	Specifies Host Security Key Path of the NVMe-oF device.
NVMe-oF SubSystem Settings	Enables you to control the configuration of the NVMe-oF device.

Table 62. NVMe-oF SubSystem Settings screen details

Option	Description
NVMe-oF SubSystem1	Controls the parameters of NVMe-oF subsystem1 connection. This is set to Disabled by default.
NVMe-oF SubSystem2	Controls the parameters of NVMe-oF subsystem2 connection. This is set to Disabled by default.
NVMe-oF SubSystem3	Controls the parameters of NVMe-oF subsystem3 connection. This is set to Disabled by default.
NVMe-oF SubSystem4	Controls the parameters of NVMe-oF subsystem4 connection. This is set to Disabled by default.

Integrated Devices

To view the **Integrated Devices** screen, power on the system, press F2, and click **System Setup Main Menu > System BIOS > Integrated Devices**.

Table 63. Integrated Devices details

Option	Description
User Accessible USB Ports	Configures the user accessible USB ports. Selecting Only Back Ports On disables the front USB ports; selecting All Ports Off disables all front and back USB ports; selecting All Ports Off (Dynamic) disables all front and back USB ports during POST. This option is set to All Ports On by default. When user accessible USB ports is set to All Ports Off (Dynamic) the Enable Front Ports Only option is enabled.

Table 63. Integrated Devices details (continued)

Option	Description
	• Enable Front Ports Only: Enables or disables the front USB ports during the OS runtime. The USB keyboard and mouse still function in certain USB ports during the boot process, depending on the selection. After the boot process is complete, the USB ports will be enabled or disabled as per the setting.
Internal USB Port	Enables or disables the Internal USB Port . This option is set to On or Off . This option is set to On by default.
iDRAC Direct USB Port	The iDRAC Direct USB port is managed by iDRAC exclusively with no host visibility. This option is set to ON or OFF . When set to OFF , iDRAC does not detect any USB devices installed in this managed port. This option is set to On by default. Enables or disables the integrated RAID controller. When set to Disabled , the device is not visible to the operating system(OS). Enables or disables the integrated RAID controller. When set to Disabled , the device is not visible to the operating system(OS).
Integrated RAID Controller	Enables or disables the integrated RAID controller. When set to Disabled , the device is not visible to the operating system(OS).
Embedded NIC1 and NIC2	Enables or disables the Embedded NIC1 and NIC2 options. If set to Disabled (OS) , the NIC may still be available for shared network access by the embedded management controller. Configure the Embedded NIC1 and NIC2 option by using the NIC management utilities of the system.
Embedded Video Controller	Enables or disables the use of Embedded Video Controller as the primary display. When set to Enabled, the Embedded Video Controller will be the primary display even if add-in graphic cards are installed. When set to Disabled, an add-in graphics card will be used as the primary display. BIOS will output displays to both the primary add-in video and the embedded video during POST and pre-boot environment. The embedded video will then be disabled right before the operating system boots. This option is set to Enabled by default. NOTE: When there are multiple add-in graphic cards installed in the system, the first card discovered during PCI enumeration is selected as the primary video. You might have to re-arrange the cards in the slots in order to control which card is the primary video.
Current State of Embedded Video Controller	Displays the current state of the embedded video controller. The Current State of Embedded Video Controller option is a read-only field. If the Embedded Video Controller is the only display capability in the system (that is, no add-in graphics card is installed), then the Embedded Video Controller is automatically used as the primary display even if the Embedded Video Controller setting is set to Disabled .
SR-IOV Global Enable	Enables or disables the BIOS configuration of Single Root I/O Virtualization (SR-IOV) devices. This option is set to Disabled by default.
OS Watchdog Timer	If your system stops responding, this watchdog timer aids in the recovery of your operating system. When this option is set to Enabled , the operating system initializes the timer. When this option is set to Disabled (the default), the timer does not have any effect on the system.
Memory Mapped I/O Limit	Controls where MMIO is mapped. The 1 TB option is designed for specific OS which cannot support MMIO over 1 TB. This option is set to 8 TB by default. The default option is the maximum address that the system supports and recommended in most cases.
Slot Disablement	Enables or disables the available PCIe slots on your system. The slot disablement feature controls the configuration of the PCIe cards installed in the specified slot. Slots must be disabled only when the installed peripheral card prevents booting into the operating system or causes delays in system startup. If the slot is disabled, both the Option ROM and UEFI drivers are disabled. Only slots that are present on the system will be available for control. Slot n:

Table 63. Integrated Devices details (continued)

Option	Description
	Enables or disables or only the boot driver is disabled for the PCIe slot n. This option is set to Enabled by default.
Slot Bifurcation	Slot Discovery Bifurcation Settings allows Platform Default Bifurcation and Manual bifurcation Control. The default is set to Platform Default Bifurcation. The slot bifurcation field is accessible when set to Manual bifurcation Control and is grayed out when set to Platform Default Bifurcation.  NOTE: This option is only available for 4th Generation AMD EPYC processors.

Serial Communication

To view the **Serial Communication** screen, power on the system, press F2, and click **System Setup Main Menu > System BIOS > Serial Communication**.

Table 64. Serial Communication details

Option	Description
Serial Communication	Selects serial communication devices (Serial Device 1 and Serial Device 2) in BIOS. BIOS console redirection can also be enabled and the port address can be specified. This option is set to Auto by default.
Serial Port Address	Enables you to set the port address for serial devices.  NOTE: You can use only Serial Device 2 for the Serial Over LAN (SOL) feature. To use console redirection by SOL, configure the same port address for console redirection and the serial device.  NOTE: Every time the system boots, the BIOS syncs the serial MUX setting that is saved in iDRAC. The serial MUX setting can independently be changed in iDRAC. Loading the BIOS default settings from within the BIOS setup utility may not always revert the serial MUX setting to the default setting of Serial Device 1.
External Serial Connector	Enables you to associate the External Serial Connector to Serial Device 1, Serial Device 2, or the Remote Access Device by using this option. This option is set to Serial Device 1 by default.  NOTE: Only Serial Device 2 can be used for Serial Over LAN (SOL). To use console redirection by SOL, configure the same port address for console redirection and the serial device.  NOTE: Every time the system boots, the BIOS syncs the serial MUX setting saved in iDRAC. The serial MUX setting can independently be changed in iDRAC. Loading the BIOS default settings from within the BIOS setup utility may not always revert this setting to the default setting of Serial Device 1.
Failsafe Baud Rate	Specifies the failsafe baud rate for console redirection. The BIOS attempts to determine the baud rate automatically. This failsafe baud rate is used only if the attempt fails, and the value must not be changed. This option is set to 115200 by default.
Remote Terminal Type	Sets the remote console terminal type. This option is set to VT100/VT220 by default.
Redirection After Boot	Enables or disables the BIOS console redirection when the operating system is loaded. This option is set to Enabled by default.

System Profile Settings

To view the **System Profile Settings** screen, power on the system, press F2, and click **System Setup Main Menu > System BIOS > System Profile Settings**.

Table 65. System Profile Settings details

Option	Description
System Profile	Sets the system profile. If you set the System Profile option to a mode other than Custom, the BIOS automatically sets the rest of the options. You can only change the rest of the options if the mode is set to Custom. This option is set to Performance Per Watt (OS) by default. Other options include Performance and Custom.  NOTE: All the parameters on the system profile setting screen are available only when the System Profile option is set to Custom.
CPU Power Management	Sets the CPU power management. This option is set to OS DBPM by default. Other option includes Maximum Performance .
Memory Frequency	Sets the speed of the system memory. You can select Maximum Performance or a specific speed. This option is set to Maximum Performance by default.
Turbo Boost	Enables or disables the processor to operate in the turbo boost mode. This option is set to Enabled by default.
C-States	Enables or disables the processor to operate in all available power states. C States allow the processor to enter lower power states when idle. When set to Enabled (OS controlled) or when set to Autonomous (if hardware controlled is supported), the processor can operate in all available Power States to save power, but may increase memory latency and frequency jitter. This option is set to Enabled by default.
Write Data CRC	When set to Enabled , DDR4 data bus issues are detected and corrected during 'write' operations. Two extra cycles are required for CRC bit generation which impacts the performance. Read-only unless System Profile is set to Custom . This option is set to Disabled by default.
Memory Patrol Scrub	Sets the memory patrol scrub mode. This option is set to Standard by default.
Memory Refresh Rate	Sets the memory refresh rate to either 1x or 2x. This option is set to 1x by default.
Workload Profile	Allows optimization of performance based on the workload type. The Workload Profile setting is not a state . Setting a Workload Profile is a one-time action that in turns modifies various BIOS settings to be optimized for the requested workload type. This option is set to Not Configured by default.
PCI ASPM L1 Link Power Management	Enables or disables the PCI ASPM L1 Link Power Management. This option is set to Enabled by default.
Periodic Directory Rinse (PDR) Tuning	Controls PDR settings that may impact performance by workload and/or processor.  NOTE: The new option (PDR) will be editable only when the System Profile setting on the same page is set to Custom (default is "Performance Per Watt"). If the System Profile is not set to Custom, the PDR option will be grayed out and automatically set to Auto.
Determinism Slider	Set the system determinism by Power Determinism or Performance Determinism . This option is set to Performance Determinism by default.
Power Profile Select	High performance Mode(default): Favors core performance. All DF P-States are available in this mode and the default DF P-State and DLWM algorithms are active. Efficiency Mode: Configures the system for power efficiency. Limits boost frequency available to cores and restricts DF P-States available in the system. Maximum IO Performance Mode: Sets up Date Fabric to maximize IO sub-system performance.
PCIE Speed PMM Control	Reduce link speed when devices are idle. This option is set to Auto by default.
EQ Bypass To Highest Rate	Controls the ability to advertise Equalization Bypass to Highest Rate Support in TSxs sent prior to LinkUp=1r. This option is set to Disabled by default.

Table 65. System Profile Settings details (continued)

Option	Description
DF PState Frequency Optimizer	Disabled: Disabled the DP P-state CCLK effective frequency optimizer. Enabled: Enables the DP P-state CCLK effective frequency optimizer. This option is set to Enabled by default.
DF PState Latency Optimizer	Disabled: Disables the DP P-state latency optimizer. Enabled: Enables the DP P-state latency optimizer. This option is set to Enabled by default.
DF CState	This field enables(0xF)/disables(0x0) DF Cstate. This option is set to Enabled by default.
Host System Management Port(HSMP)Support	This value controls Host System Management Port(HSMP) interface to provide OS-level software with access to system management functions via a set of mail box registers. This option is set to Enabled by default.
Boost FMax	Boost Fmax. This option is set to 0 - Auto by default.
Algorithm Performance Boost Disable (ApbDis)	Enables or disables the Algorithm Performance Boost Disable (ApbDis). This option is set to Disabled by default.

System Security

To view the **System Security** screen, power on the system, press F2, and click **System Setup Main Menu > System BIOS > System Security**.

Table 66. System Security details

Option	Description
CPU AES-NI	Improves the speed of applications by performing encryption and decryption by using the Advanced Encryption Standard Instruction Set (AES-NI). This option is set to Enabled by default.
Strong Password Status	If enabled, you must set up a password that has at least one character in lowercase, uppercase, digit, and a special character. Also you have the option to set the minimum number of characters in both the new passwords. If disabled, you can set a password that has any character in it but the password must not have more than 32 characters. Changes that are made by enabling or disabling this feature become immediately effective.
Strong Password Minimum Length (8 to 32)	Controls the minimum number of characters that are used when setting a system or setup password. You can specify 8-32 characters.
System Password	Sets the system password. This option is set to Enabled by default and is read-only if the password jumper is not installed in the system.
Setup Password	Sets the setup password. This option is read-only if the password jumper is not installed in the system.
Password Status	Locks the system password. This option is set to Unlocked by default.
TPM Firmware	Indicates the firmware version of a Trusted Platform Module(TPM).
TPM Heirachy	Allows enabling, disabling, or clearing the storage and endorsement hierarchies. When set to Enabled, the storage and endorsement hierarchies can be used. When set to Disabled, the storage and endorsement hierarchies cannot be used. When set to Clear, the storage and endorsement hierarchies are cleared of any values and then reset to Enabled.
TPM Advanced Settings	TPM PPI Bypass Provision When set to Enabled, allows the Operating System to bypass Physical Presence Interface(PPI) prompts when issuing PPI Advanced Configuration and Power Interface (ACPI) provisioning operations. TPM PPI Bypass Clear When set to Enabled, allows the Operating System to bypass Physical Presence Interface(PPI) prompts when issuing PPI Advanced Configuration and Power Interface (ACPI) clear operations. TPM2 Algorithm Selection Allows the user to change the cryptographic algorithms

Table 66. System Security details (continued)

Option	Description						
	used in the Trusted Platform Module (TPM). The available options are dependant on the TPM firmware.						
AMD DRTM	Enable/Disable AMD Dynamic Root of Trust Measurement (DRTM) To enable AMD DRTM, below configurations must be enabled: 1. TPM2.0 must be enabled and the hash algorithm must be set to SHA256. 2. Transparent SME (TSME) must be enabled.						
Power Button	Enables or disables the power button on the front of the system. This option is set to Enabled by default.						
AC Power Recovery	Sets how the system behaves after AC power is restored to the system. This option is set to Last by default.						
AC Power Recovery Delay	Sets the time delay for the system to power on after AC power is restored to the system. This option is set to Immediate by default.						
User Defined Delay (120s to 600s)	Controls the duration for which the power-on process is delayed after the AC power supply is restored. The value is only effective if the AC Power Recovery Delay is set to User Defined . The valid range is between 120s and 600s .						
UEFI Variable Access	Provides varying degrees of securing UEFI variables. When set to Standard (the default), UEFI variables are accessible in the operating system per the UEFI specification. When set to Controlled , selected UEFI variables are protected in the environment and new UEFI boot entries are forced to be at the end of the current boot order.						
SMM Security Mitigation	This option enables or disables additional UEFI SMM Security Mitigation protections. This option is available only in UEFI boot mode . The operating system can use this feature to help protect the secure environment created by virtualization based security . Enabling this feature provides additional UEFI SMM Security Mitigation protections. However, this feature may cause compatibility issue or loss of functionality with some legacy tools or applications.						
Secure Boot	Enables Secure Boot, where the BIOS authenticates each pre-boot image by using the certificates in the Secure Boot Policy. Secure Boot is set to Disabled by default.						
Secure Boot Policy	When the Secure Boot policy is set to Standard , the BIOS uses the system manufacturer's key and certificates to authenticate pre-boot images. When the Secure Boot policy is set to Custom , the BIOS uses the user-defined key and certificates. The secure Boot policy is set to Standard by default.						
Secure Boot Mode	Configures how the BIOS uses the Secure Boot Policy Objects (PK, KEK, db, dbx). If the current mode is set to Deployed Mode, the available options are User Mode and Deployed Mode. If the current mode is set to User Mode, the available options are User Mode, Audit Mode, and Deployed Mode. <table data-bbox="837 1556 1497 2027"> <caption>Table 67. Secure Boot Mode</caption> <tr> <th>Options</th><th>Descriptions</th></tr> <tr> <td>User Mode</td><td>In User Mode, PK must be installed, and BIOS performs signature verification on programmatic attempts to update policy objects. The BIOS allows unauthenticated programmatic transitions between modes.</td></tr> <tr> <td>Deployed Mode</td><td>Deployed Mode is the most secure mode. In Deployed Mode, PK must be installed and the BIOS performs signature verification on programmatic attempts to update policy objects. Deployed Mode restricts the programmatic mode transitions.</td></tr> </table>	Options	Descriptions	User Mode	In User Mode , PK must be installed, and BIOS performs signature verification on programmatic attempts to update policy objects. The BIOS allows unauthenticated programmatic transitions between modes.	Deployed Mode	Deployed Mode is the most secure mode. In Deployed Mode , PK must be installed and the BIOS performs signature verification on programmatic attempts to update policy objects. Deployed Mode restricts the programmatic mode transitions.
Options	Descriptions						
User Mode	In User Mode , PK must be installed, and BIOS performs signature verification on programmatic attempts to update policy objects. The BIOS allows unauthenticated programmatic transitions between modes.						
Deployed Mode	Deployed Mode is the most secure mode. In Deployed Mode , PK must be installed and the BIOS performs signature verification on programmatic attempts to update policy objects. Deployed Mode restricts the programmatic mode transitions.						

Table 66. System Security details (continued)

Option	Description				
	Table 67. Secure Boot Mode (continued) <table> <tr> <th>Options</th><th>Descriptions</th></tr> <tr> <td>Audit Mode</td><td>In Audit mode, PK is not present. The BIOS does not authenticate programmatic updates to the policy objects, and transitions between modes. The BIOS performs a signature verification on pre-boot images and logs the results in the image Execution Information Table, but executes the images whether they pass or fail verification. Audit Mode is useful for programmatic determination of a working set of policy objects.</td></tr> </table>	Options	Descriptions	Audit Mode	In Audit mode , PK is not present. The BIOS does not authenticate programmatic updates to the policy objects, and transitions between modes. The BIOS performs a signature verification on pre-boot images and logs the results in the image Execution Information Table, but executes the images whether they pass or fail verification. Audit Mode is useful for programmatic determination of a working set of policy objects.
Options	Descriptions				
Audit Mode	In Audit mode , PK is not present. The BIOS does not authenticate programmatic updates to the policy objects, and transitions between modes. The BIOS performs a signature verification on pre-boot images and logs the results in the image Execution Information Table, but executes the images whether they pass or fail verification. Audit Mode is useful for programmatic determination of a working set of policy objects.				
Secure Boot Policy Summary	Specifies the list of certificates and hashes that secure boot uses to authenticate images.				
Secure Boot Custom Policy Settings	Configures the Secure Boot Custom Policy. To enable this option, set the Secure Boot Policy to Custom option.				

Creating a system and setup password

Prerequisites

Ensure that the password jumper is enabled. The password jumper enables or disables the system password and setup password features. For more information, see the System board jumper settings section.

NOTE: If the password jumper setting is disabled, the existing system password and setup password are deleted and you need not provide the system password to boot the system.

Steps

1. To enter System Setup, press F2 immediately after turning on or rebooting your system.
2. On the **System Setup Main Menu** screen, click **System BIOS > System Security**.
3. On the **System Security** screen, verify that **Password Status** is set to **Unlocked**.
4. In the **System Password** field, type your system password, and press Enter or Tab.
Use the following guidelines to assign the system password:
 - A password can have up to 32 characters.
A message prompts you to reenter the system password.
5. Reenter the system password, and click **OK**.
6. In the **Setup Password** field, type your setup password and press Enter or Tab.
A message prompts you to reenter the setup password.
7. Reenter the setup password, and click **OK**.
8. Press Esc to return to the System BIOS screen. Press Esc again.
A message prompts you to save the changes.

NOTE: Password protection does not take effect until the system reboots.

Using your system password to secure your system

About this task

If you have assigned a setup password, the system accepts your setup password as an alternate system password.

Steps

1. Turn on or reboot your system.
2. Type the system password and press Enter.

Next steps

When **Password Status** is set to **Locked**, type the system password and press Enter when prompted at reboot.

NOTE: If an incorrect system password is typed, the system displays a message and prompts you to reenter your password. You have three attempts to type the correct password. After the third unsuccessful attempt, the system displays an error message that the system has stopped functioning and must be turned off. Even after you turn off and restart the system, the error message is displayed until the correct password is entered.

Deleting or changing system and setup password

Prerequisites

NOTE: You cannot delete or change an existing system or setup password if the **Password Status** is set to **Locked**.

Steps

1. To enter System Setup, press F2 immediately after turning on or restarting your system.
2. On the **System Setup Main Menu** screen, click **System BIOS > System Security**.
3. On the **System Security** screen, ensure that **Password Status** is set to **Unlocked**.
4. In the **System Password** field, alter or delete the existing system password, and then press Enter or Tab.
5. In the **Setup Password** field, alter or delete the existing setup password, and then press Enter or Tab.
If you change the system and setup password, a message prompts you to reenter the new password. If you delete the system and setup password, a message prompts you to confirm the deletion.
6. Press Esc to return to the **System BIOS** screen. Press Esc again, and a message prompts you to save the changes.
7. Select **Setup Password**, change, or delete the existing setup password and press Enter or Tab.

NOTE: If you change the system password or setup password, a message prompts you to reenter the new password. If you delete the system password or setup password, a message prompts you to confirm the deletion.

Operating with setup password enabled

If **Setup Password** is set to **Enabled**, type the correct setup password before modifying the system setup options.

If you do not type the correct password in three attempts, the system displays the following message:

```
Invalid Password! Number of unsuccessful password attempts: <x> System Halted! Must  
power down.
```

```
Password Invalid. Number of unsuccessful password attempts: <x> Maximum number of  
password attempts exceeded. System halted.
```

Even after you turn off and restart the system, the error message is displayed until the correct password is typed. The following options are exceptions:

- If **System Password** is not set to **Enabled** and is not locked through the **Password Status** option, you can assign a system password. For more information, see the System Security Settings screen section.
- You cannot disable or change an existing system password.

NOTE: You can use the password status option with the setup password option to protect the system password from unauthorized changes.

Redundant OS Control

To view the **Redundant OS Control** screen, power on the system, press F2, and click **System Setup Main Menu > System BIOS > Redundant OS Control**.

Table 68. Redundant OS Control details

Option	Description
Redundant OS Location	Enables you to select a backup disk from the following device: • None • BOSS PCIe Cards (Internal M.2 Drives)
Redundant OS State	 NOTE: This option is disabled if Redundant OS Location is set to None. When set to Visible, the backup disk is visible to the boot list and OS. When set to Hidden, the backup disk is disabled and is not visible to the boot list and OS. This option is set to Visible by default.  NOTE: BIOS disables the device in hardware, so it is not accessed by the OS.
Redundant OS Boot	 NOTE: This option is disabled if Redundant OS Location is set to None or if Redundant OS State is set to Hidden. When set to Enabled, BIOS boots to the device specified in Redundant OS Location. When set to Disabled, BIOS preserves the current boot list settings. This option is set to Enabled by default.

Miscellaneous Settings

To view the **Miscellaneous Settings** screen, power on the system, press F2, and click **System Setup Main Menu > System BIOS > Miscellaneous Settings**.

Table 69. Miscellaneous Settings details

Option	Description
System Time	Enables you to set the time on the system.
System Date	Enables you to set the date on the system.
Time Zone	Times offset from UTC.
Daylight Savings Time	Enables or disables the Daylight Savings Time option. This option is set to Disabled by default.
Asset Tag	Specifies the asset tag and enables you to modify it for security and tracking purposes.
Keyboard NumLock	Enables you to set whether the system boots with the NumLock enabled or disabled. This option is set to On by default.  NOTE: This option does not apply to 84-key keyboards.
F1/F2 Prompt on Error	Enables or disables the F1/F2 prompt on error. This option is set to Enabled by default. The F1/F2 prompt also includes keyboard errors.
Load Legacy Video Option ROM	Enables or disables the Load Legacy Video Option ROM option. This option is set to Disabled by default.
Dell Wyse P25/P45 BIOS Access	Enables or disables the Dell Wyse P25/P45 BIOS Access. This option is set to Enabled by default.
Power Cycle Request	Enables or disables the Power Cycle Request. This option is set to None by default.

iDRAC Settings utility

The iDRAC settings utility is an interface to set up and configure the iDRAC parameters by using UEFI. You can enable or disable various iDRAC parameters by using the iDRAC settings utility.

 **NOTE:** Accessing some of the features on the iDRAC settings utility needs the iDRAC Enterprise License upgrade.

For more information about using iDRAC, see *Dell Integrated Dell Remote Access Controller User's Guide* at [iDRAC Manuals](#).

Device Settings

Device Settings enables you to configure device parameters such as storage controllers or network cards.

Dell Lifecycle Controller

Dell Lifecycle Controller (LC) provides advanced embedded systems management capabilities including system deployment, configuration, update, maintenance, and diagnosis. LC is delivered as part of the iDRAC out-of-band solution and Dell system embedded Unified Extensible Firmware Interface (UEFI) applications.

Embedded system management

The Dell Lifecycle Controller provides advanced embedded system management throughout the lifecycle of the system. The Dell Lifecycle Controller is started during the boot sequence and functions independently of the operating system.

 **NOTE:** Certain platform configurations may not support the full set of features provided by the Dell Lifecycle Controller.

For more information about setting up the Dell Lifecycle Controller, configuring hardware and firmware, and deploying the operating system, see the Dell Lifecycle Controller documentation at [iDRAC Manuals](#).

Boot Manager

The **Boot Manager** option enables you to select boot options and diagnostic utilities.

To enter **Boot Manager**, power on the system and press F11.

Table 70. Boot Manager details

Option	Description
Continue Normal Boot	The system attempts to boot to devices starting with the first item in the boot order. If the boot attempt fails, the system continues with the next item in the boot order until the boot is successful or no more boot options are found.
One-shot UEFI Boot Menu	Enables you to access boot menu, where you can select a one-time boot device to boot from.
Launch System Setup	Enables you to access System Setup.
Launch Lifecycle Controller	Exits the Boot Manager and invokes the Dell Lifecycle Controller program.
System Utilities	Enables you to launch System Utilities menu such as Launch Diagnostics, BIOS update File Explorer, Reboot System.

PXE boot

You can use the Preboot Execution Environment (PXE) option to boot and configure the networked systems remotely.

To access the **PXE boot** option, boot the system and then press F12 during POST instead of using standard Boot Sequence from BIOS Setup. It does not pull any menu or allows managing of network devices.

Minimum to POST and system management configuration validation

This section describes the minimum to POST system requirement and system management configuration validation of the Dell system.

Topics:

- [Minimum configuration to POST](#)
- [Configuration validation](#)

Minimum configuration to POST

The components listed below are the minimum configuration to POST:

- One processor in processor socket 1
- One memory modules (DIMM) in slot A1
- One power supply unit
- System board + LOM + RIO card

Configuration validation

The new generation of Dell systems have added interconnect flexibility and advanced iDRAC management features to collect precise system configuration information and report configuration errors.

When the system is powered on, information about installed cables, risers, backplanes, power supplies, floating card (fPERC, BOSS), and processor is obtained from the CPLD and backplane memory maps are analyzed. This information forms a unique configuration, which is compared with one of the qualified configurations that are stored in a table maintained by iDRAC.

One or more sensors are assigned to each of the configuration elements. During POST, any configuration validation error is logged in the System Event Log (SEL)/LifeCycle (LC) log. The reported events are categorized in the configuration validation error table.

Table 71. Configuration validation error

Error	Description	Possible cause and recommendations	Example
Config Error	A configuration element within the closest match contains something that is unexpected and does not match any Dell qualified configuration.	Wrong configuration	Config Error: Backplane cable CTRS_SRC_SA1 and BP-DST_SA1
		The element reported in HWC8010 errors are assembled incorrectly. Verify element (cable, risers, etc) placement in the system.	Config Error : SL Cable PLANAR_SL7 and CTRL_DST_PA1
Config Missing	iDRAC found a configuration element missing within the closest match detected.	Missing or damaged cable, device, or part	Config Missing: Float card front PERC/HBAadapter PERC/HBA
		Missing element or cable is reported in HWC8010 error logs. Install the missing element (cable, risers, etc).	Config Missing : SL cable PLANAR_SL8 and CTRL_DST_PA1

Table 71. Configuration validation error (continued)

Error	Description	Possible cause and recommendations	Example
Comm Error	A configuration element is not responding to iDRAC using the management interface while running an inventory check.	System management sideband communication Unplug AC Power, reseal the element and replace the element if the problem persists.	Comm Error: Backplane 2

Error messages

This section describes the error messages displayed on the screen during POST or captured in the system event log (SEL)/LifeCycle (LC) log.

Table 72. Error message HWC8010

Error code	HWC8010
Message	The System Configuration Check operation resulted in the following issue involving the indicated component type
Arguments	Riser, floating card (fPERClike BOSS), backplane, processor, cable, or other components
Detailed Description	The issue identified in the message is observed in the System Configuration Check operation.
Recommended Response Action	Do the following and retry the operation: 1. Disconnect the input power. 2. Check for proper cable connection and component placement. If the issue persists, contact the service provider.
Category	System Health (HWC = Hardware Config)
Severity	Critical
Trap/EventID	2329

Table 73. Error message HWC8011

Error code	HWC8011
Message	The System Configuration Check operation resulted in multiple issues involving the indicated component type
Arguments	Riser, floating card (fPERClike BOSS), backplane, processor, cable, or other components
Detailed Description	Multiple issues are observed in the System Configuration Check operation.
Recommended Response Action	Do the following and retry the operation: 1. Disconnect the input power. 2. Check for proper cable connection and component placement. If the issue persists, contact the service provider.
Category	System Health (HWC = Hardware Config)
Severity	Critical

Installing and removing system components

Topics:

- Safety instructions
- Before working inside your system
- After working inside your system
- Recommended tools
- Optional front bezel
- System cover
- Control panel
- VGA module
- Air shroud
- Cooling fan
- Drives
- Drive backplane
- Cable routing
- Front PERC module
- Rear drive module
- System memory
- Processor and heat sink
- Expansion cards and expansion card risers
- Optional serial COM port
- BOSS N1 module
- M.2 SSD module on BOSS-N1 adapter card
- System battery
- Optional internal USB card
- Intrusion switch
- Optional OCP card
- Power supply unit
- Trusted Platform Module
- System board
- LOM card, MIC card and rear I/O board
- Tube clip

Safety instructions

 **NOTE:** To avoid injury, do not lift the system on your own. Get others to assist you.

 **WARNING:** Opening or removing the system cover while the system is turned on may expose you to a risk of electric shock..

 **CAUTION:** Many repairs may only be done by a certified service technician. You should only perform troubleshooting and simple repairs as authorized in your product documentation, or as directed by the online or telephone service and support team. Damage due to servicing that is not authorized by Dell is not covered by your warranty. Read and follow the safety instructions that are shipped with your product.

 **CAUTION:** To ensure proper operation and cooling, all system bays and fans must be always populated with a component or a blank.

- NOTE:** It is recommended that you always use an antistatic mat and antistatic strap while working on components inside the system.
- NOTE:** While replacing the hot swappable PSU, after next server boot; the new PSU automatically updates to the same firmware and configuration of the replaced one. For more information about the Part replacement configuration, see the *Lifecycle Controller User's Guide* at [iDRAC Manuals](#)
- NOTE:** While replacing faulty storage controller/FC/NIC card with the same type of card, after you power on the system; the new card automatically updates to the same firmware and configuration of the faulty one. For more information about the Part replacement configuration, see the *Lifecycle Controller User's Guide* at [iDRAC Manuals](#)
- NOTE:** Only use certified Optical Fiber Transceiver Class I Laser Products.
- NOTE:** For detailed information on cabling the cards, see the system-specific owner's manual at Installation and Service Manual available at [PowerEdge Manuals](#)

Before working inside your system

Prerequisites

Follow the safety guidelines listed in the [Safety instructions](#)

Steps

1. Power off the system and all attached peripherals.
2. Disconnect the system from the electrical outlet, and disconnect the peripherals.
3. If applicable, remove the system from the rack.
For more information, see the *Rail Installation Guide* relevant to your rail solutions at [PowerEdge Manuals](#).
4. Remove the system cover.

After working inside your system

Prerequisites

Follow the safety guidelines listed in [Safety instructions](#).

Steps

1. Replace the system cover.
2. If applicable, install the system into the rack.
For more information, see the *Rail Installation Guide* relevant to your rail solutions at [PowerEdge manuals](#).
3. Reconnect the peripherals and connect the system to the electrical outlet, and then power on the system.

Recommended tools

You may need some or all the following tools to perform the removal and installation procedures:

- Key to the bezel lock. The key is required only if your system includes a bezel.
- Phillips 1 screwdriver
- Phillips 2 screwdriver
- Torx T8 screwdriver
- Torx T6 screwdriver
- Torx T20 screwdriver
- 5 mm hexadecimal nut screwdriver
- Plastic scribe
- 1/4-inch flat blade screwdriver

- Wrist grounding strap that is connected to the ground
- ESD mat
- Needle-nose pliers

You need the following tools to assemble the cables for a DC power supply unit:

- AMP 90871-1 hand-crimping tool or equivalent
- Tyco Electronics 58433-3 or equivalent
- Wire-stripper pliers to remove insulation from size 10 AWG solid or stranded, insulated copper wire.

 **NOTE:** Use alpha wire part number 3080 or equivalent (65/30 stranding).

 **NOTE:** For information about DC PSU cabling instructions, go to [PowerEdge Manuals](#) > **Rack Servers** > PowerEdge R6625 > **Select This Product** > **Documentation** > **Manuals and Documents** > *Cabling instructions for – 48 – 60 V DC power supply*.

Optional front bezel

 **NOTE:** LCD panel is optional on the front bezel. If the front bezel has an LCD panel, see [LCD panel](#) section.

Removing the front bezel

The procedure to remove the front bezel with and without the LCD panel is the same.

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Keep the bezel key handy.

 **NOTE:** The bezel key is part of the LCD bezel package.

Steps

1. Unlock the bezel.
2. Press the release button, and disengage the left end of the bezel.
3. Disengage the right end to remove the bezel.



Figure 29. Removing the front bezel

Next steps

1. [Replace the front bezel.](#)

Installing the front bezel

The procedure to install the front bezel with and without the LCD panel is the same.

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Locate and remove the bezel key.

NOTE: The bezel key is part of the LCD bezel package.

Steps

1. Align and insert the tabs on the bezel into the slots on the system.
2. Press the bezel until the release button clicks in place.
3. Lock the bezel.



Figure 30. Installing the front bezel

System cover

Removing the system cover

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Power off the system, and any attached peripherals.
3. Disconnect the system from the electrical outlet and peripherals.

Steps

1. Using a 1/4-inch flat head or a Phillips #2 screwdriver rotate the lock counterclockwise to the unlock position.
2. Lift the release latch until the system cover is disengaged and slides back.
3. Lift the cover up and away from the system, towards the rear end.

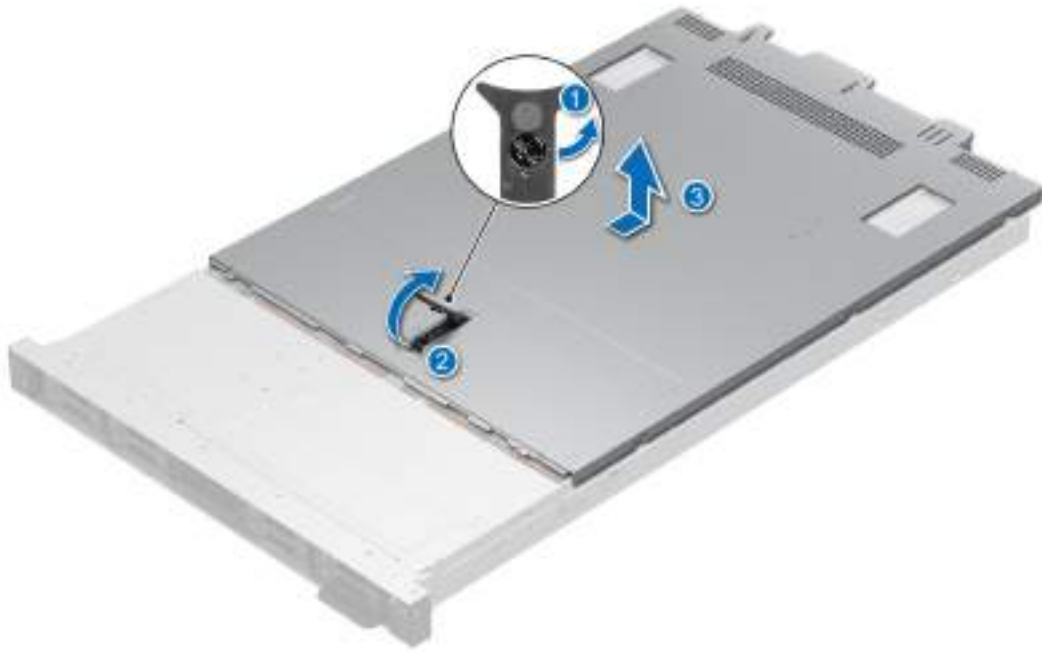


Figure 31. Removing the system cover

Next steps

1. [Replace the system cover.](#)

Installing the system cover

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).
3. Ensure that all internal cables are connected and routed properly, and no tools or extra parts are left inside the system.

Steps

1. Align the tabs on the cover along with the guide slots on the system and slide the system cover.
2. Close the system cover release latch.
3. Using a 1/4-inch flat head or Phillips #2 screwdriver, rotate the lock clockwise to the lock position.

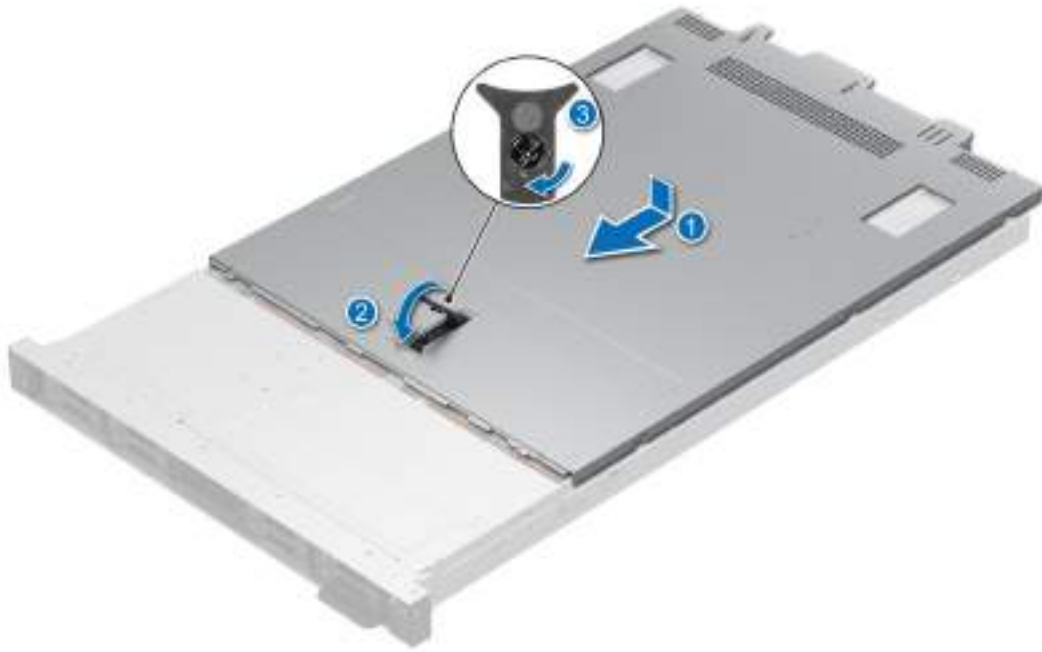


Figure 32. Installing the system cover

Next steps

1. Follow the procedure listed in [After working inside your system.](#)

Drive backplane cover

Removing the drive backplane cover

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions.](#)
2. Follow the procedure listed in [Before working inside your system.](#)

Steps

1. Slide the backplane cover in the direction of the arrows marked on the drive backplane cover.
2. Lift the backplane cover away from the system towards the rear end to disengage.

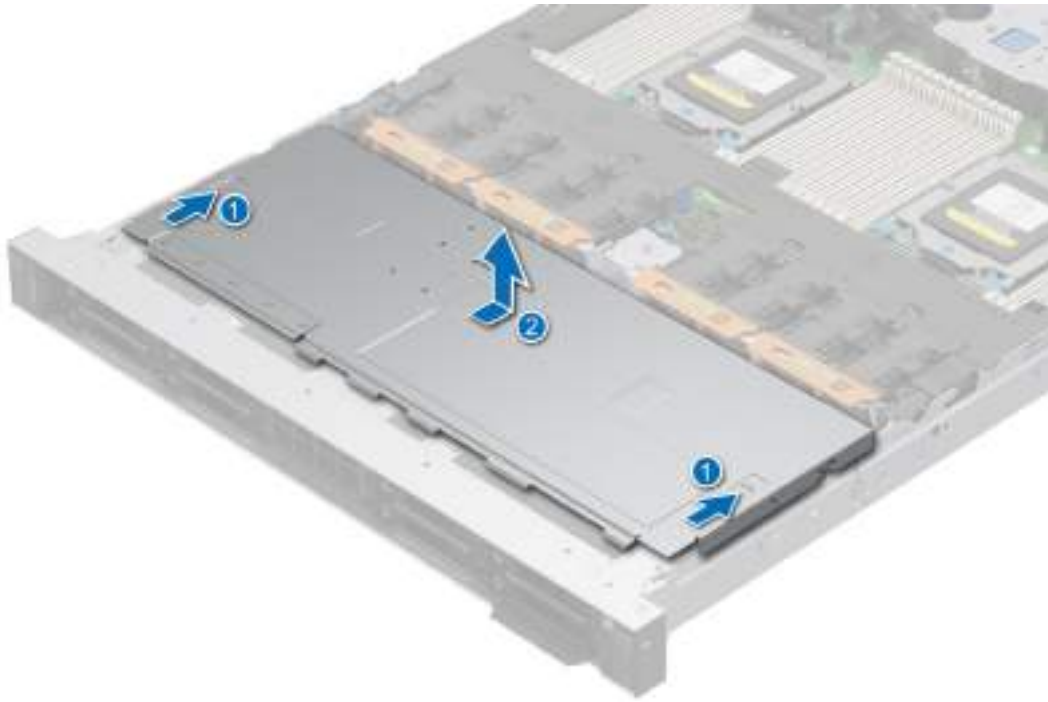


Figure 33. Removing the drive backplane cover

Next steps

1. [Replace the drive backplane cover.](#)

Installing the drive backplane cover

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).

Steps

1. Align the drive backplane cover with the guide slots on the system.
2. Slide the drive backplane cover to the front of the system until the drive backplane cover fits into place.

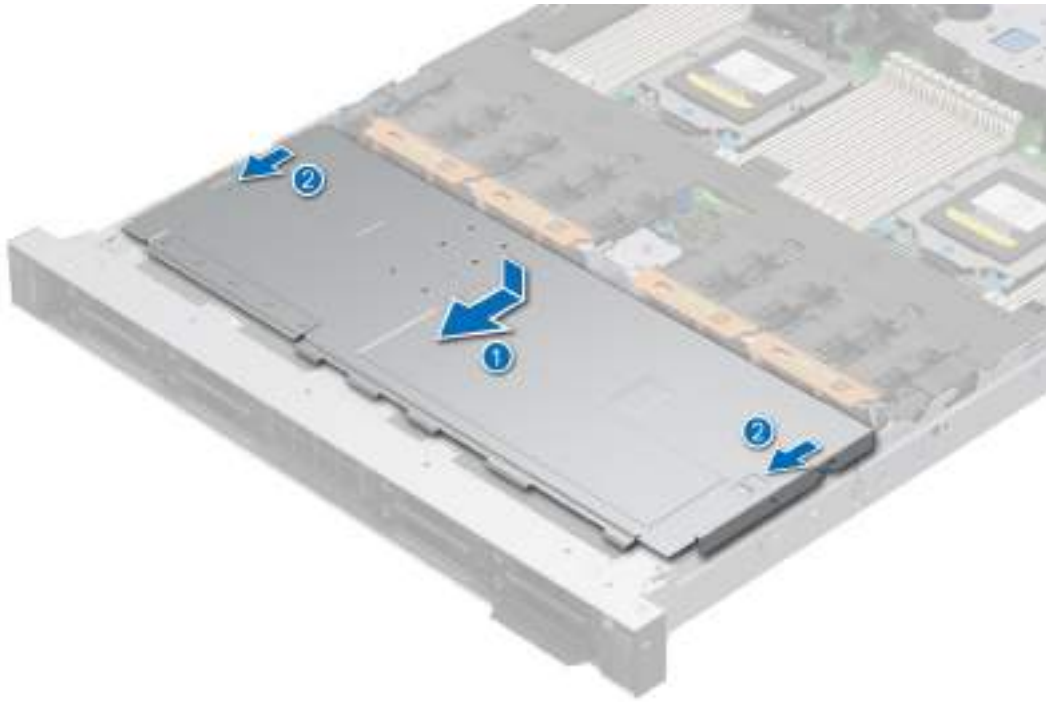


Figure 34. Installing the drive backplane cover

Next steps

1. Follow the procedure listed in [After working inside your system..](#)

Control panel

Removing the right control panel

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. [Remove the drive backplane cover](#).
4. If installed, [Remove the air shroud](#).

Steps

1. Disconnect the right control panel cable from the connector on the system board.
2. Press and pull the latch to slide the cable out of the clip.

 **NOTE:** Observe the routing of the cable as you remove the right control panel from the system.

3. Using the Phillips #1 screwdriver, remove the screws that secure the right control panel to the system.
4. Holding the cable, slide the right control panel out of the system.

 **NOTE:** The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

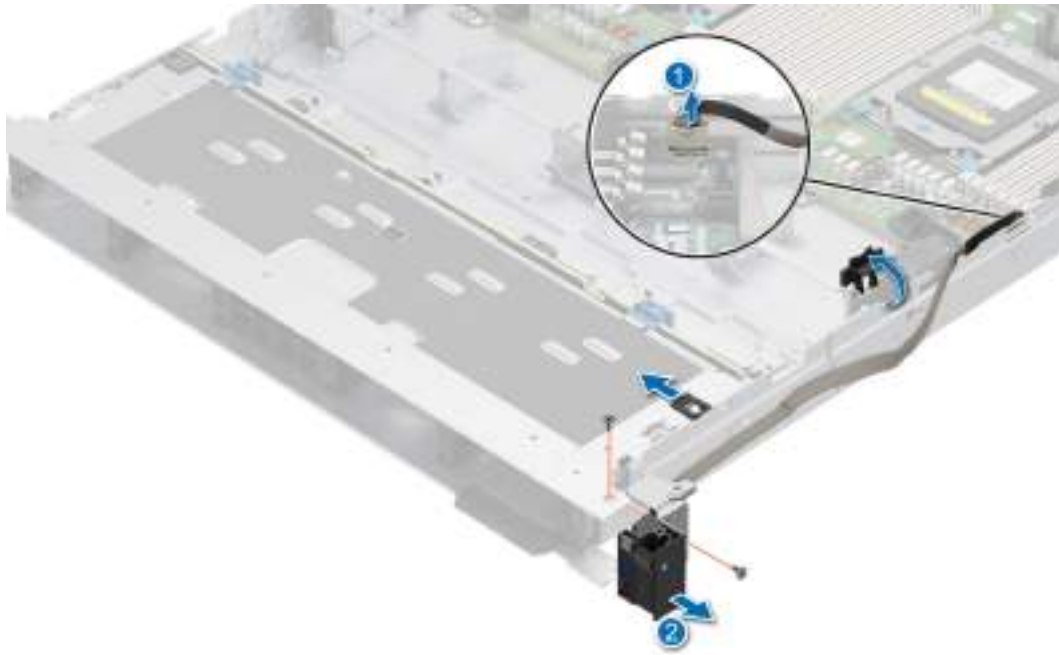


Figure 35. Removing the right control panel

Next steps

1. [Replace the right control panel.](#)

Installing the right control panel

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).

Steps

1. Align and slide the right control panel in the slot on the system.
2. Connect the right control panel cable to the connector on the system board.
3. Route the right control panel cable through the side wall of the system. Close the cable latch and slide the cable into the clip.

NOTE: Route the cable properly to prevent the cable from being pinched or crimped.

4. Using the Phillips #1 screwdriver, tighten the screws that secure the right control panel to the system.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

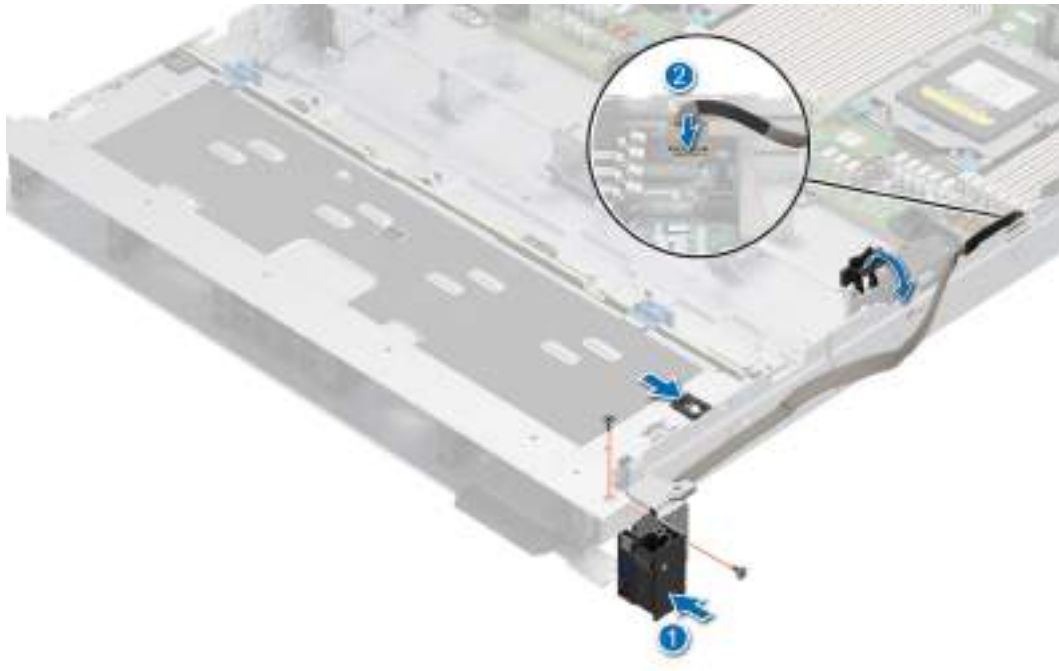


Figure 36. Installing the right control panel

Next steps

1. [Install the drive backplane cover.](#)
2. If removed, [Install the air shroud.](#)
3. Follow the procedure listed in [After working inside your system.](#)

Removing the left control panel

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions.](#)
2. Follow the procedure listed in the [Before working inside your system.](#)
3. If installed, [Remove the air shroud.](#)

Steps

1. Disconnect the control panel cable from the connector on the system board.
2. Press and pull the latch to slide the cable out of the clip.

NOTE: Observe the routing of the cable as you remove it from the system.

3. Using the Phillips #1 screwdriver, remove the screws that secure the left control panel to the system.
4. Hold the left control panel cable, and slide the left control panel out of the system.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

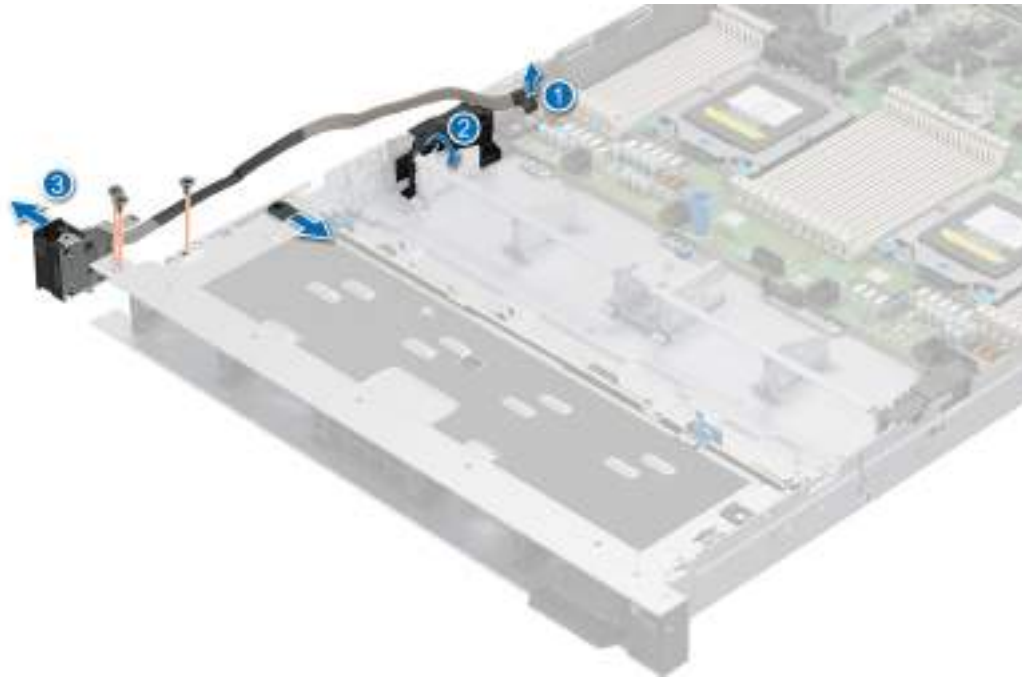


Figure 37. Removing the left control panel

Next steps

1. [Replace the left control panel.](#)

Installing the left control panel

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).

Steps

1. Align and slide the left control panel into the slot on the system.
2. Connect the left control panel cable to the connector on the system board and secure it using cable latch.
3. Route the left control panel cable through the side wall of the system and slide the cable into the clip.

NOTE: Route the cable properly to prevent the cable from being pinched or crimped.

4. Using the Phillips #1 screwdriver, tighten the screws to secure the left control panel to the system.

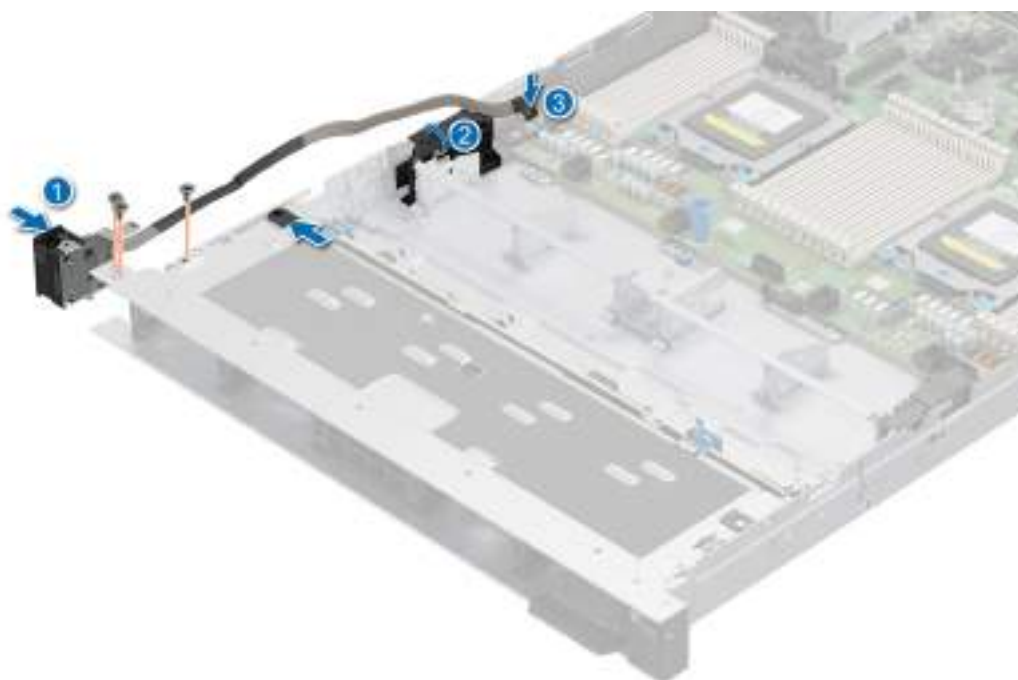


Figure 38. Installing the left control panel

Next steps

1. [Install the drive backplane cover.](#)
2. If removed, [Install the air shroud.](#)
3. Follow the procedure listed in [After working inside your system.](#)

VGA module

Removing the VGA module

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions.](#)
2. Follow the procedure listed in the [Before working inside your system.](#)
3. If installed, [Remove the front bezel.](#)
4. [Remove the backplane cover.](#)
5. If installed, [Remove the air shroud.](#)

NOTE: Ensure that you note the routing of the cables as you remove them from the system board. Route the cable properly when you replace it to prevent the cable from being pinched or crimped

Steps

1. Disconnect the VGA cable from the system board connector if installed and open the cable latch.
2. Disconnect the right control panel cable from the system board and move it away to see the VGA module screw on the system.
3. Using Phillips #2 screwdriver, remove the screw on the VGA module.
4. Slide the VGA module out of the system.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

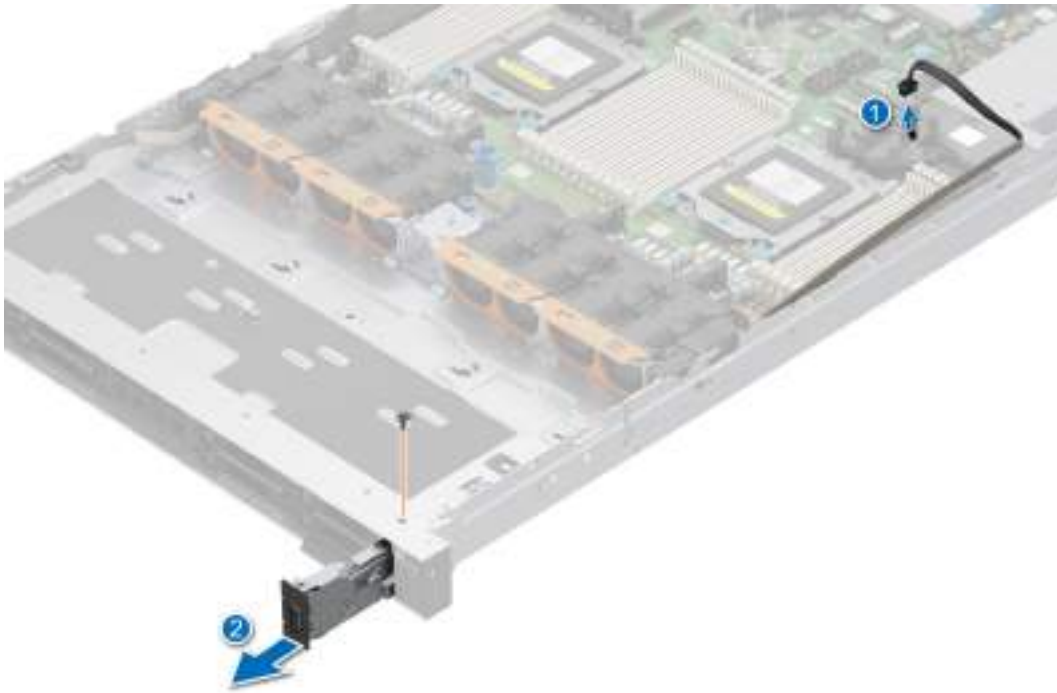


Figure 39. Removing the VGA module

Next steps

1. [Replace the VGA module.](#)

Installing the VGA module

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. If installed, [Remove the front bezel](#).
4. [Remove the backplane cover](#).
5. If installed, [Remove the air shroud](#).

i **NOTE:** Ensure that you note the routing of the cables as you remove them from the system board. Route the cable properly when you replace it to prevent the cable from being pinched or crimped

Steps

1. Disconnect the VGA cable from the system board connector if installed.
2. Pull the right control panel cable from the clip and move it to clear the path of the see the VGA module screw.
3. Route the VGA cable through the slot on the front of the system and slide the VGA module into the slot.
4. Align the hole on the module with the screw hole on the system.
5. Using the Phillips #2 screwdriver, secure the VGA module to the system with the screw.

i **NOTE:** The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

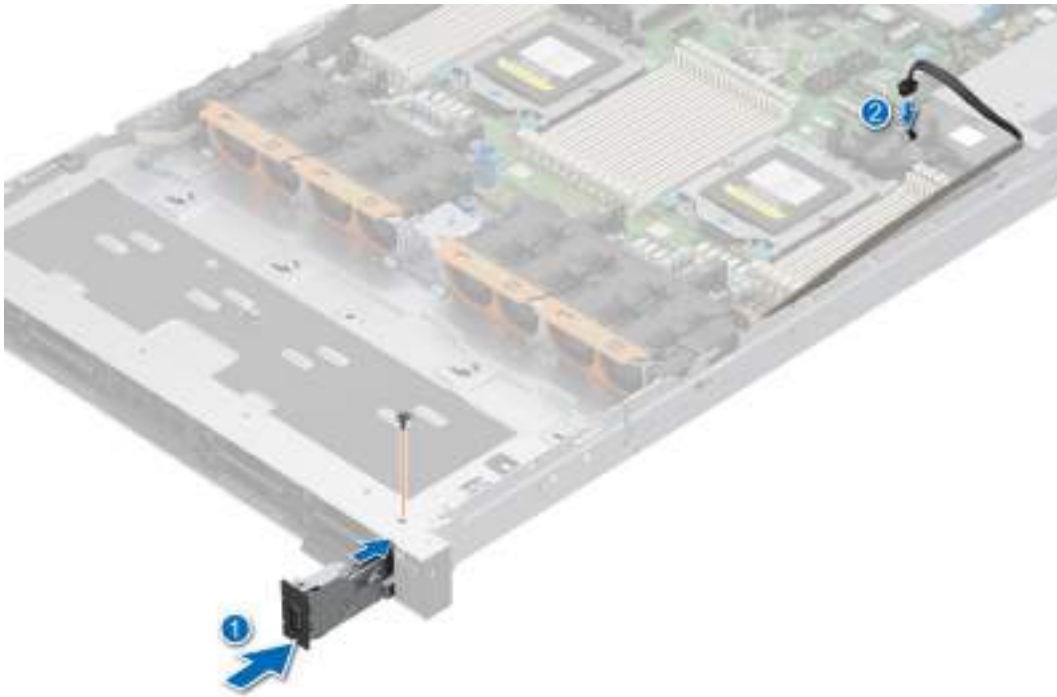


Figure 40. Installing the VGA module

Next steps

1. Route the VGA cable, close the cable latch, and connect the VGA cable to the connector on the system board.
2. Route and connect the right control panel cable.
3. If removed, [Install the air shroud](#).
4. [Install the backplane cover](#).
5. If installed, [Install the front bezel](#).
6. Follow the procedure listed in the [After working inside your system](#).

Air shroud

Removing the air shroud

Prerequisites

CAUTION: Never operate your system with the air shroud removed. The system may get overheated quickly, resulting in shutdown of the system and loss of data.

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).

Steps

1. Hold the edges of the air shroud, and remove the air shroud from the system.

NOTE: The air-shroud is needed for all air-cool configuration.

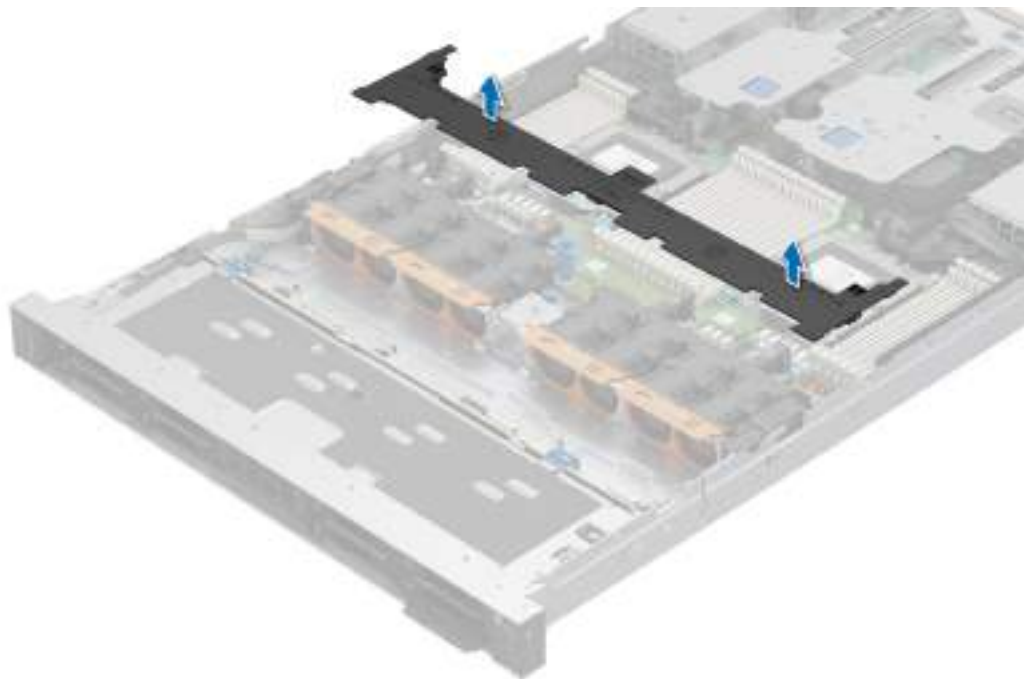


Figure 41. Removing the air shroud

2. For the air shroud on the rear drive module, hold the edges of the air shroud, and remove the air shroud out of the rear drive module.

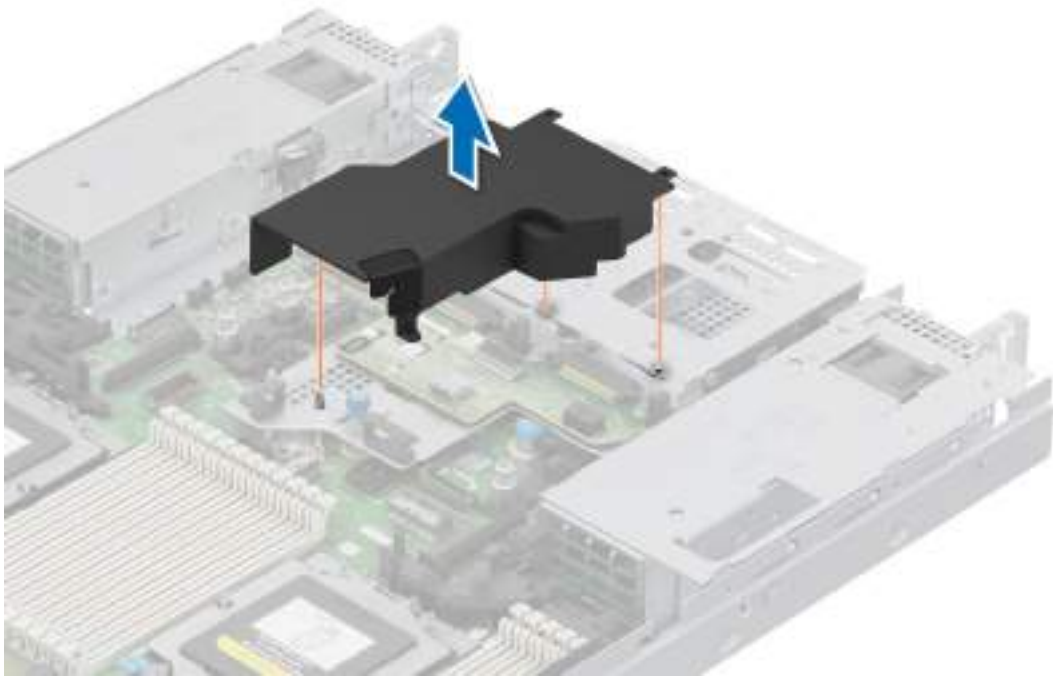


Figure 42. Removing the air shroud from the rear drive module

Next steps

1. [Replace the air shroud.](#)

Installing the air shroud

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).

Steps

1. Align the slot on the air shroud with the standoff on the system.
2. Lower the air shroud into the system until it is firmly seated.

 **NOTE:** The air-shroud is needed for all air-cool configuration.

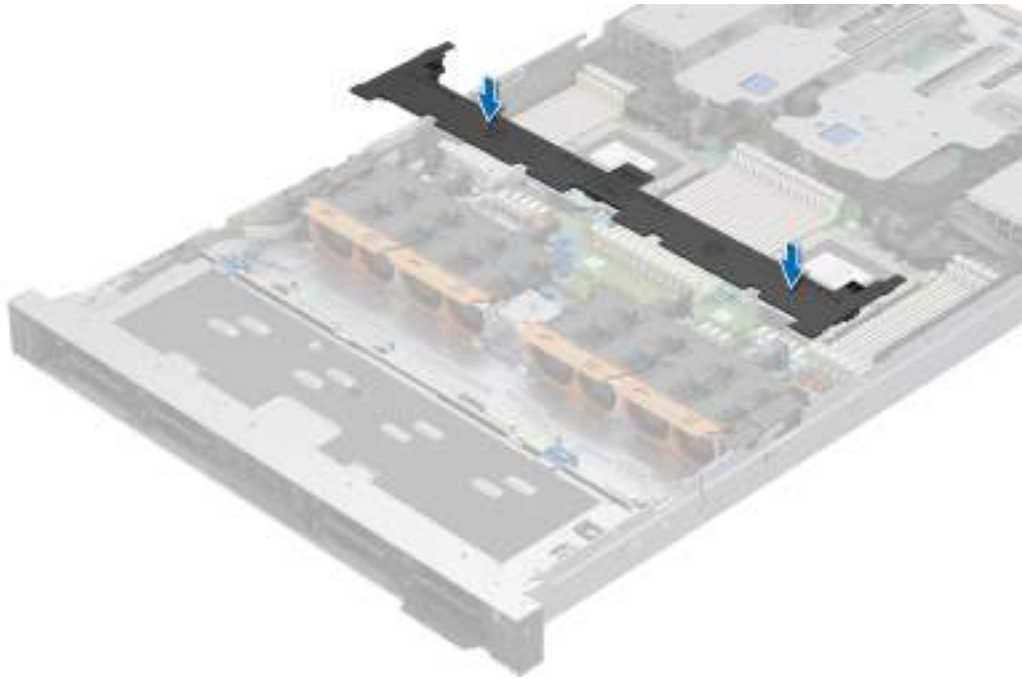


Figure 43. Installing the air shroud

3. For the air shroud on the rear drive module, lower the air shroud into the rear drive module until it is firmly seated.

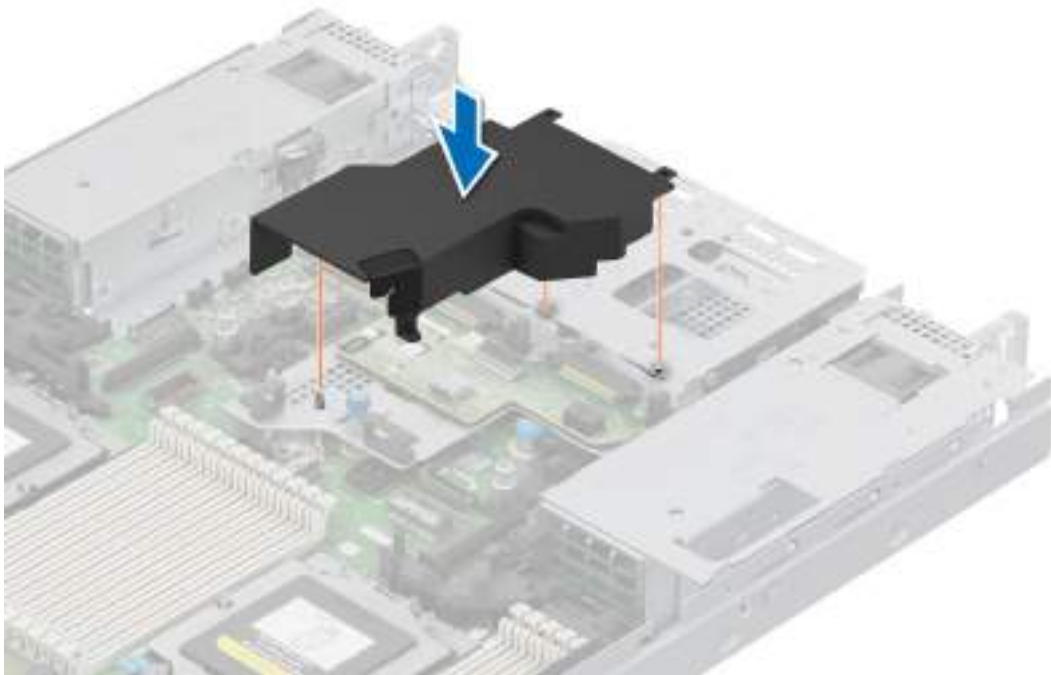


Figure 44. Installing the air shroud on the rear drive module

Next steps

1. Follow the procedure listed in [After working inside your system.](#)

Cooling fan

Removing a cooling fan module

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).
3. If installed, [Remove the air shroud](#).

Steps

Holding the orange and black edges on the fan module, lift the cooling fan module upwards to disconnect from the connector on the system board.

 **NOTE:** The procedure to remove standard or high performance (gold grade) fan module is same.

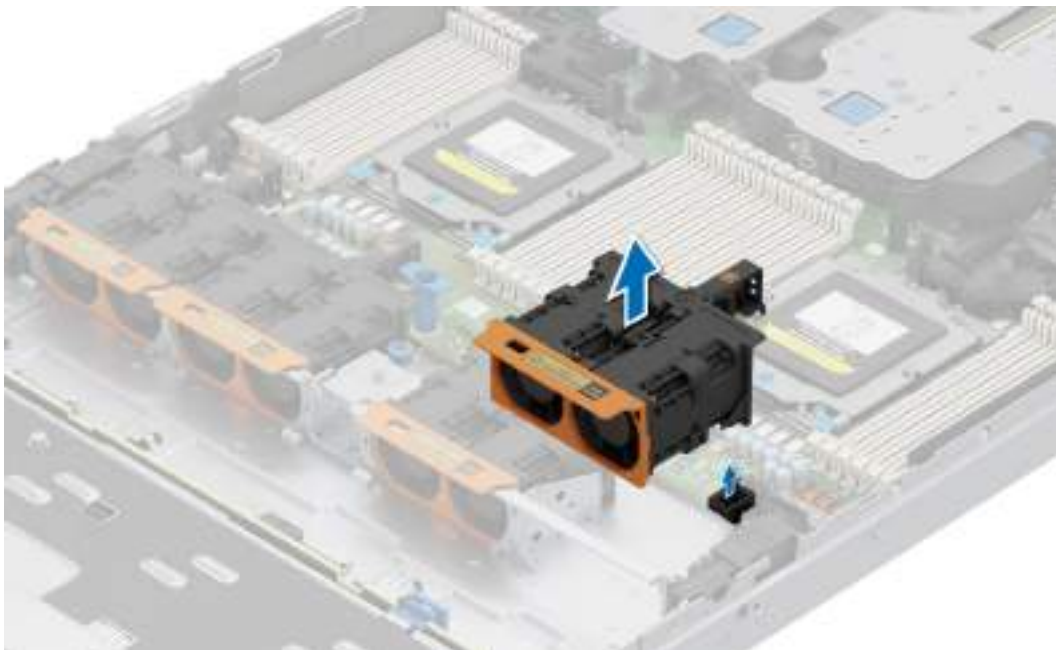


Figure 45. Removing a cooling fan module

 **WARNING:** Ensure not to tilt or rotate the cooling fan module while removing from the system.

Next steps

1. [Replace a cooling fan module](#).

Installing a cooling fan module

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).
3. If installed, [Remove the air shroud](#).

Steps

1. Align and place the fan module connector horizontally with the connector on the system board.

 **NOTE:** The procedure to install standard or high performance (gold grade) fan module is same.

2. Press the connector on the system board slot to lock in place.

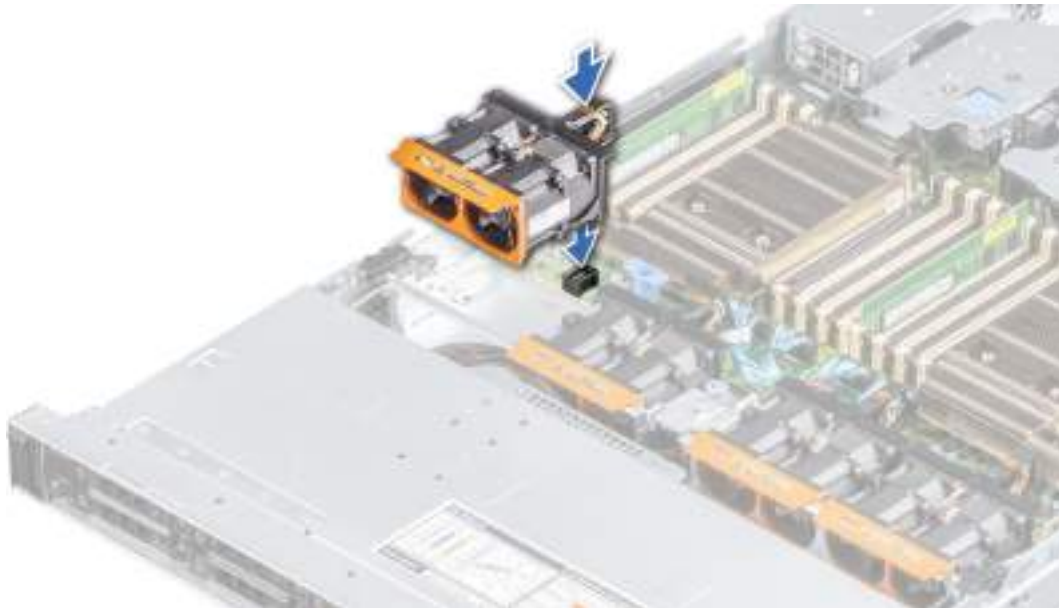


Figure 46. Installing a cooling fan module

Next steps

1. If removed, [Install the air shroud](#).
2. Follow the procedure listed in [After working inside your system](#).

Drives

Removing a drive blank

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. If installed, [Remove the front bezel](#).

 **CAUTION:** To maintain proper system cooling, drive blanks must be installed in all empty drive slots.

Steps

Press the release button, and slide the drive blank out of the drive slot.



Figure 47. Removing a drive blank



Figure 48. Removing E3.S drive blank

Next steps

1. [Installing a drive](#) or [Replace the drive blank](#).

Installing a drive blank

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. If installed, [Remove the front bezel](#).

Steps

Insert the drive blank into the drive slot until it is secure and the release button clicks into place.



Figure 49. Installing a drive blank



Figure 50. Installing an E3.S drive blank

Next steps

1. If removed, [Install the front bezel](#).

Removing the drive carrier

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. If installed, [Remove the front bezel](#).
3. Using the management software, prepare the drive for removal.
4. If the drive is online, the green activity or fault indicator blinks while the drive is powering off. When the drive indicators are off, the drive is ready for removal. For more information, see the documentation for the storage controller.

CAUTION: Before attempting to remove or install a drive while the system is running, see the documentation for the storage controller card to ensure that the host adapter is configured correctly to support drive removal and insertion.

CAUTION: To prevent data loss, ensure that your operating system supports drive installation. For more information about the drives installation or uninstallation requirements, see the operating system's user guide.

Steps

1. Press the release button to open the drive carrier release handle.
2. Holding the drive carrier release handle, slide the drive carrier out of the drive slot.



Figure 51. Removing a drive carrier



Figure 52. Removing a E3.S drive carrier

Next steps

1. [Install a drive carrier](#) or [Install a drive blank](#).

Installing the drive carrier

Prerequisites

- CAUTION:** Before removing or installing a drive while the system is running, see the documentation for the storage controller card to ensure that the host adapter is configured correctly to support drive removal and insertion.
 - CAUTION:** Combining SAS and SATA drives in the same RAID volume is not supported.
 - CAUTION:** When installing a drive, ensure that the adjacent drives are fully installed. Inserting a drive carrier and attempting to lock its handle next to a partially installed carrier can damage the partially installed carrier's shield spring and make it unusable.
 - CAUTION:** To prevent data loss, ensure that your operating system supports hot-swap drive installation. See the documentation supplied with your operating system.
 - NOTE:** When a replacement hot swappable drive is installed while the system is powered on, the drive automatically begins to rebuild. Ensure that the replacement drive is blank. Any data on the replacement drive is immediately lost once the drive is installed.
 - NOTE:** Ensure that the drive carrier's release handle is in the open position before inserting the carrier into the slot.
1. Follow the safety guidelines listed in the [Safety instructions](#).
 2. If installed, [Remove the front bezel](#).
 3. Remove the drive carrier or remove the drive blank when you want to assemble the drives in to the system.

Steps

1. Slide the drive carrier into the drive slot.
2. Close the drive carrier release handle to lock the drive in place.



Figure 53. Installing a drive carrier



Figure 54. Installing a E3.S drive

Next steps

If removed, [Install the front bezel](#).

Removing the drive from the drive carrier

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. If installed, [Remove the front bezel](#).

Steps

1. Using a Phillips #1 screwdriver, remove the screws from the slide rails on the drive carrier.

NOTE: If the hard drive or SSD carrier has Torx screw, use Torx 6 (for 2.5-inch drive) or Torx 8 (for 3.5-inch drive) screwdriver to remove the drive.



2. Lift the drive out of the drive carrier.



Figure 55. Removing the drive from the drive carrier

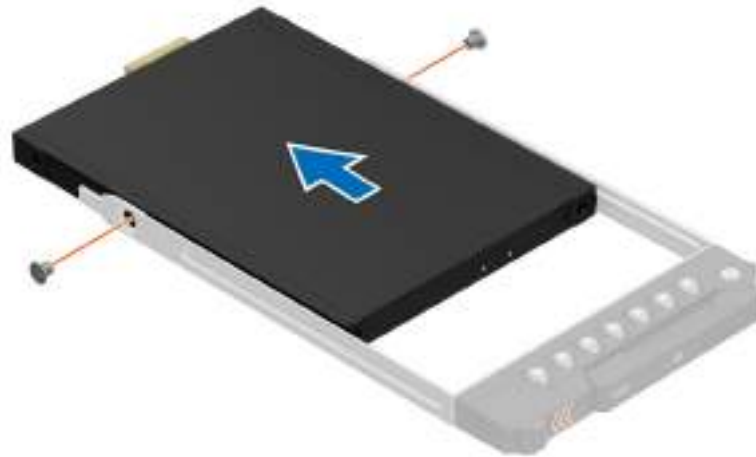


Figure 56. Removing the E3.S drive from the drive carrier

Next steps

Install the drive into the drive carrier.

Installing the drive into the drive carrier

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. If installed, [Remove the front bezel](#).
3. [Remove the drive blank](#).

Steps

1. Insert the drive into the drive carrier with the drive connector facing towards the rear of the carrier.
2. Align the screw holes on the drive with the screws holes on the drive carrier.
3. Using a Phillips #1 screwdriver, secure the drive to the drive carrier with the screws.

- NOTE:** When installing a drive into the drive carrier, ensure that the screws are torqued to 4 lbf-in.
- NOTE:** If the hard drive or SSD carrier has Torx screw, use Torx 6 (for 2.5-inch drive) or Torx 8 (for 3.5-inch drive) screwdriver to install the drive.



Figure 57. Installing a drive into the drive carrier



Figure 58. Installing the E3.S drive into the drive carrier

Next steps

- 1. [Install the drive carrier.](#)
- 2. If removed, [Install the front bezel.](#)

Drive backplane

Drive backplane

Depending on your system configuration, the drive backplanes supported are listed here:

Table 74. Supported backplane options

System	Supported hard drives options
PowerEdge R6625	3.5-inch (x4) SAS, SATA backplane
	2.5-inch (x8) NVMe backplane
	2.5-inch (x10) SAS, SATA or NVMe backplane
	E3.S (x14) NVMe Gen5 backplane
	E3.S (x16) NVMe Gen5 backplane



Figure 59. 4 x 3.5-inch drive backplane

- 1. BP_SIG_PWR_1 (backplane power and signal cable to system board)



Figure 60. 8 x 2.5-inch drive backplane

- 1. DST_PB2 (PCIe/NVMe connector)
 - 3. DST_PA2 (PCIe/NVMe connector)
 - 5. DST_PB1 (PCIe/NVMe connector)
 - 7. PWR_CTRL
- 2. DST_SB1(backplane to front PERC)
 - 4. BP_PWR_1 (backplane power and signal cable to system board)
 - 6. DST_SA1(PCIe/NVMe connector)
 - 8. DST_PA1 (PCIe/NVMe connector)



Figure 61. 10 x 2.5-inch drive backplane

- 1. DST_SB1
 - 3. P8
- 2. DST_PA3 (PCIe/NVMe connector)
 - 4. DST_PB2 (PCIe/NVMe connector)

5. BP_PWR_1 (backplane power and signal cable to system board)	6. PWR_CTRL
7. DST_PA2 (PCIe/NVMe connector)	8. DST_SA1 (PERC to backplane)
9. DST_PB1 (PCIe/NVMe connector)	10. DST_PA1 (PCIe/NVMe connector)



Figure 62. 14 x E3.S drive backplane

1. BP_DST_PB2	2. BP_DST_PA2
3. BP_DST_PB1	4. BP_DST_PA1
5. BP_PWR_1 (backplane power and signal cable to system board)	

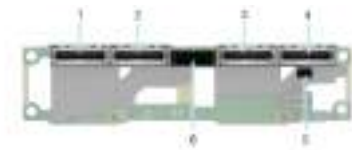


Figure 63. 16 x E3.S drive backplane

1. BP_DST_PB2	2. BP_DST_PA2
3. BP_DST_PB1	4. BP_DST_PA1
5. PWR_CTRL	6. BP_PWR_1 (backplane power and signal cable to system board)

Removing the drive backplane

Prerequisites

CAUTION: To prevent damage to the drives and backplane, remove the drives from the system before removing the backplane.

CAUTION: Note the number of each drive and temporarily label them before you remove the drive so that you can reinstall them in the same location.

NOTE: The procedure to remove the backplane is similar for all backplane configurations.

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. If installed, [Remove the air shroud](#).
4. [Remove the drive backplane cover](#).
5. [Remove all the drives](#).

Steps

1. Loosen the captive screw on the cable guiding latch and lift the latch to remove the cables.
2. Disconnect the drive backplane cable from the connector on the system board.
3. Press the blue release tabs to disengage the drive backplane from the hooks on the system.
4. Lift and pull the drive backplane out of the system.

NOTE: To avoid damaging the backplane, ensure that you move the control panel cables from the cable routing clips before removing the backplane.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

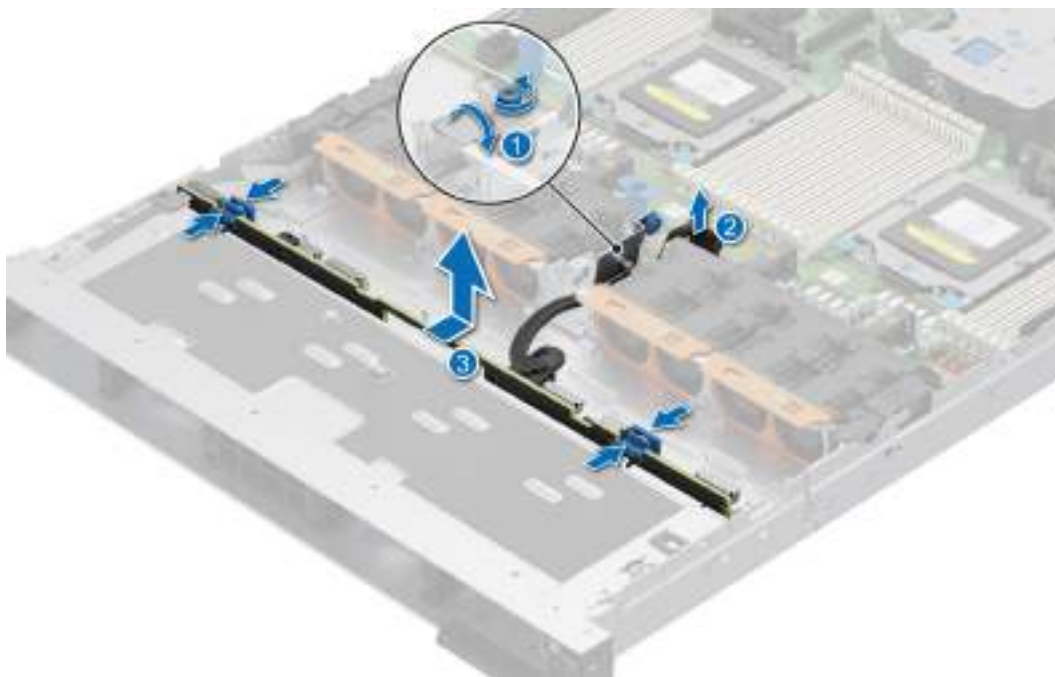


Figure 64. Removing the drive backplane

Next steps

1. [Replace the drive backplane.](#)

Removing the drive backplane

Prerequisites

CAUTION: To prevent damage to the drives and backplane, remove the drives from the system before removing the backplane.

CAUTION: Note the number of each drive and temporarily label them before you remove the drive so that you can reinstall them in the same location.

NOTE: The procedure to remove the backplane is similar for all backplane configurations.

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. If installed, [Remove the air shroud](#).
4. [Remove the drive backplane cover](#).
5. [Remove all the drives](#).

Steps

1. Loosen the captive screw on the cable guiding latch and lift the latch to remove the cables.
2. Disconnect the drive backplane cable from the connector on the system board.
3. Press the blue release tabs to disengage the drive backplane from the hooks on the system.
4. Lift and pull the drive backplane out of the system.

NOTE: To avoid damaging the backplane, ensure that you move the control panel cables from the cable routing clips before removing the backplane.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

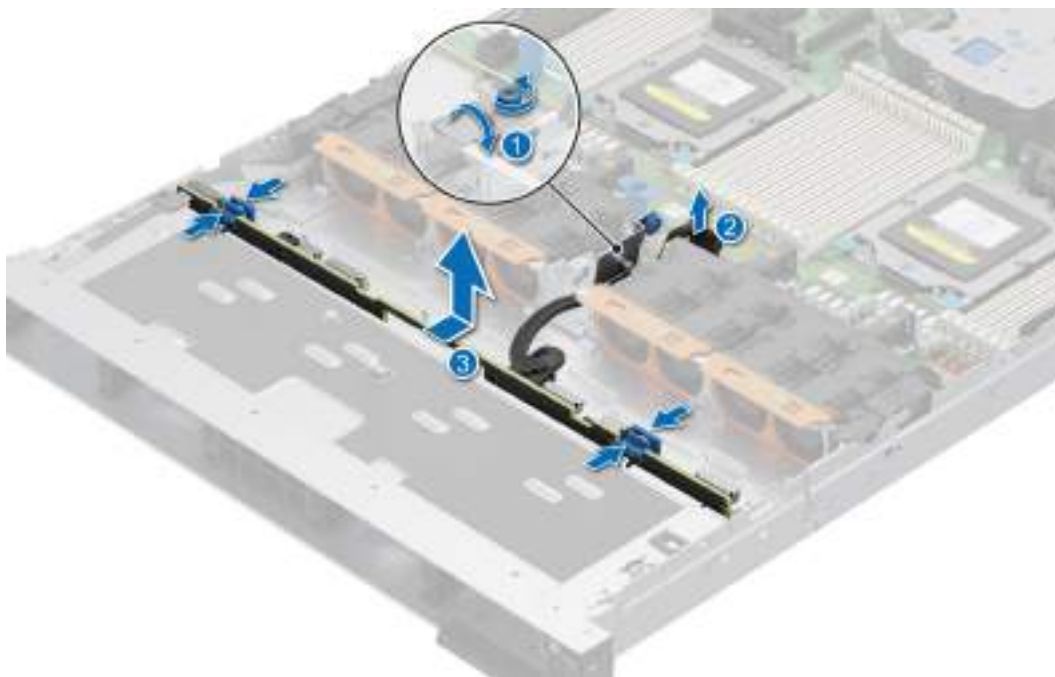


Figure 65. Removing the drive backplane

Next steps

1. [Replace the drive backplane.](#)

Removing the 16 x E3.S drive backplane

Prerequisites

CAUTION: To prevent damage to the drives and backplane, remove the drives from the system before removing the backplane.

CAUTION: Note the number of each drive and temporarily label them before you remove the drive so that you can reinstall them in the same location.

NOTE: The procedure to remove the backplane is similar for all backplane configurations.

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. [Remove the drive backplane cover.](#)
4. If installed, [remove the air shroud.](#)
5. [Remove the drives.](#)
6. Observe and disconnect the drive backplane cables from the connector on the system board and backplane.

NOTE: Refer [cable routing](#) topic for more information.

Steps

1. Using a Phillips #2 screwdriver, loosen the captive screws on the backplane module.
2. Slide the backplane module and lift it away from the system.

NOTE: 16 x E3.S backplane is a combination of two 8 x E3.S backplanes. Follow the same steps to remove the second 8 x E3.S backplane.

NOTE: To avoid damaging the backplane, ensure that you move the control panel cables from the cable routing clips before removing the backplane.

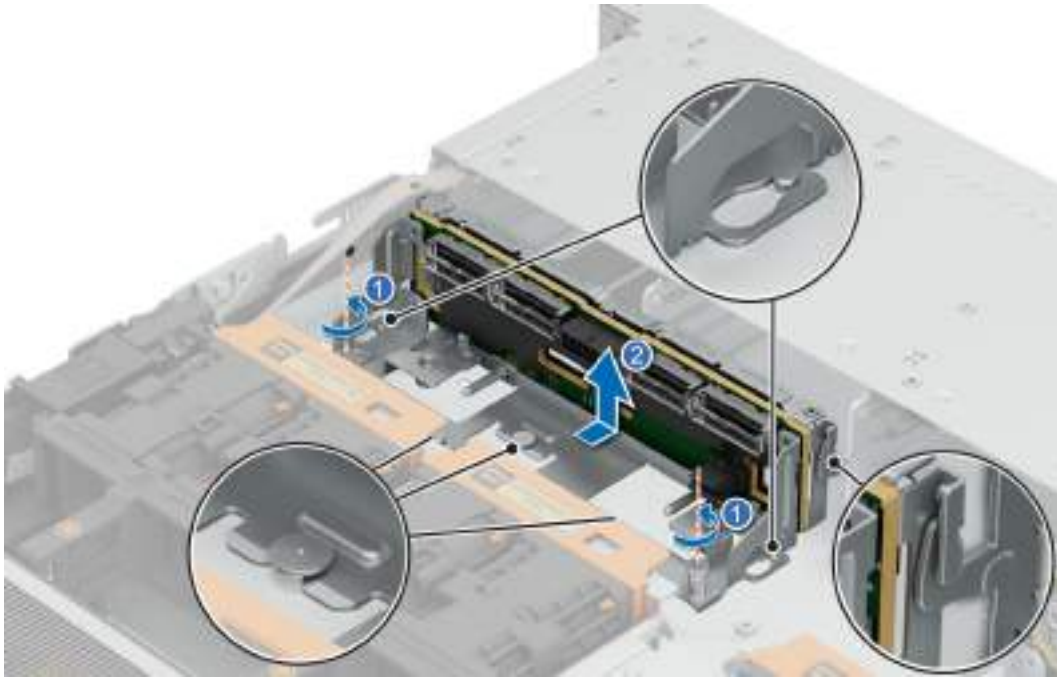


Figure 66. Removing the drive backplane

Next steps

1. [Replace the 16 x E3.S drive backplane.](#)

Installing the 16 x E3.S drive backplane

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. [Remove the drive backplane cover.](#)
4. If installed, [remove the air shroud.](#)
5. [Remove the drives.](#)
6. Observe and disconnect the drive backplane cables from the connector on the system board and backplane.

NOTE: Refer [cable routing](#) topic for more information.

NOTE: To avoid damaging the backplane, ensure to move the control panel cables from the cable routing clips before removing the backplane.

NOTE: Route the cable properly when you replace it to prevent the cable from being pinched or crimped.

Steps

1. Align the slots on the drive backplane with the guides on the system.
 2. Slide the drive backplane into the guides and lower the backplane until the blue release tab clicks into place.
 3. Using a Phillips #2 screwdriver, tighten the captive screws on the backplane module.
- NOTE:** 16 x E3.S backplane is a combination of two 8 x E3.S backplanes. Follow the same steps to install the second 8 x E3.S backplane.

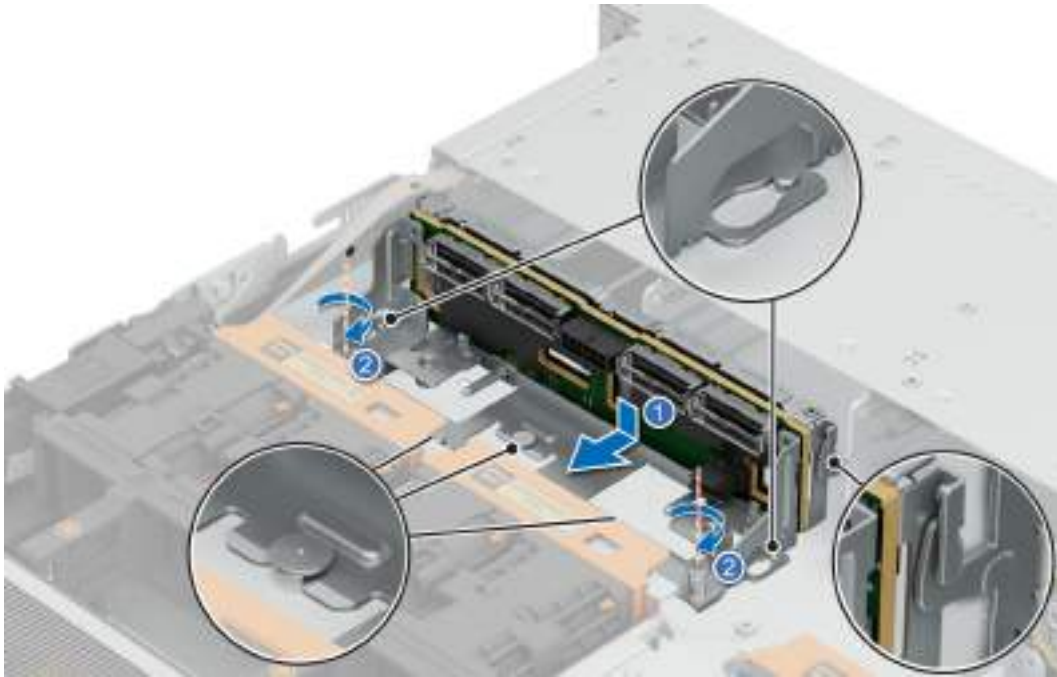


Figure 67. Installing the drive backplane

Next steps

1. Connect the drive backplane cables to the connectors on the system board and backplane.
2. [Install the drives.](#)
3. If removed, [install the air shroud.](#)
4. [Install the drive backplane cover.](#)
5. Follow the procedure listed in [After working inside your system.](#)

Installing the drive backplane

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions.](#)
2. Follow the procedure listed in the [Before working inside your system.](#)
3. [Remove the drive backplane cover.](#)
4. [Remove the air shroud.](#)
5. [Remove all the drives.](#)

Steps

NOTE: To avoid damaging the backplane, ensure to move the control panel cables from the cable routing clips before removing the backplane.

NOTE: Route the cable properly when you replace it to prevent the cable from being pinched or crimped.

1. Use the guide slots on the system to align the backplane.
2. Insert the backplane into the guide slots and push it downwards until the blue release tabs clicks into place.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

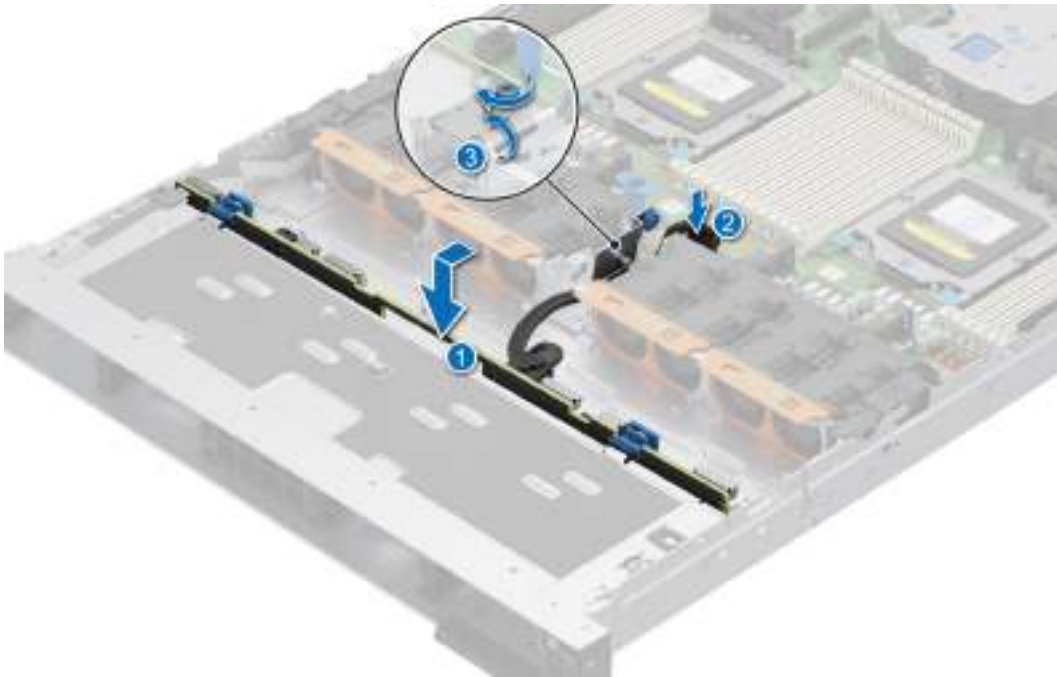


Figure 68. Installing the drive backplane

3. Route the cables properly through the cable guide and connect the cables to the connector on the system board. Tighten the captive screw on the cable guiding latch.

Next steps

1. [Install all the drives.](#)
2. If removed, [Install the air shroud.](#)
3. [Install the drive backplane cover.](#)
4. Follow the procedure listed in [After working inside your system.](#)

Cable routing

Cable routing refers to the organization and management of cables in a computer system or network. This involves arranging the cables in a neat and organized manner to improve airflow, reduce clutter, and prevent interference with other components. Effective cable routing can enhance the overall performance and reliability of a computer system, as well as improve its appearance.

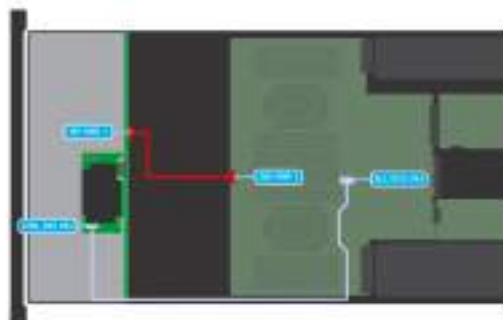


Figure 69. 4 x 3.5-inch SAS/SATA

Table 75. 4 x 3.5-inch SAS/SATA

Order	From	To
1	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
2	SL3_CPU1_PA1 (signal connector on system board)	CTRL_DST_PA1 (fPERC input connector)

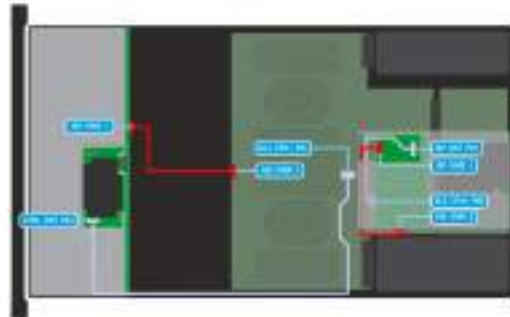


Figure 70. 4 x 3.5-inch SAS/SATA Rear 2 x E3.S

Table 76. 4 x 3.5-inch SAS/SATA Rear 2 x E3.S

Order	From	To
1	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
2	SL3_CPU1_PA1 (signal connector on system board)	CTRL_DST_PA1 (fPERC input connector)
3	SL5_CPU1_PB2 (signal connector on system board)	BP_DST_PA1 (backplane signal connector)
4	SIG_PWR_0 (system board power connector)	BP_PWR_1 (backplane power connector)

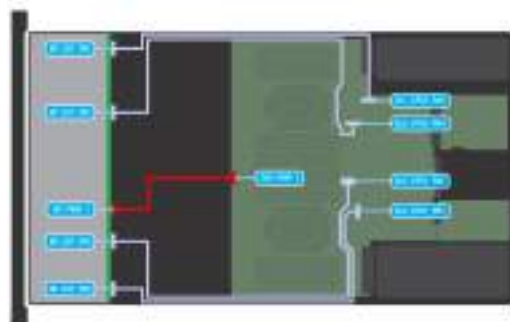


Figure 71. 8 x 2.5-inch NVMe Gen4

Table 77. 8 x 2.5-inch NVMe Gen4

Order	From	To
1	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
2	SL1_CPU2_PA4 (signal connector on system board)	BP_DST_PA1 (backplane signal connector)
3	SL2_CPU2_PB4 (signal connector on system board)	BP_DST_PB1 (backplane signal connector)
4	SL3_CPU1_PA1 (signal connector on system board)	BP_DST_PA2 (backplane signal connector)
5	SL4_CPU1_PB1 (signal connector on system board)	BP_DST_PB2 (backplane signal connector)

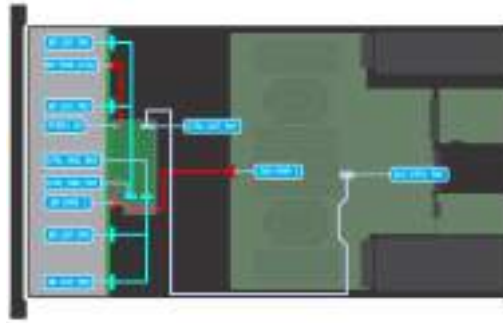


Figure 72. 8 x 2.5-inch NVMe Gen4 RAID Smart Flow with Front PERC 11N

Table 78. 8 x 2.5-inch NVMe Gen4 RAID Smart Flow with Front PERC 11N

Order	From	To
1	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
2	CTRL_SRC_PA1 (fPERC controller connector)	BP_DST_PA1 and BP_DST_PB1 (backplane signal connector)
3	CTRL_SRC_SB1 (fPERC controller connector)	BP_DST_PA2 and BP_DST_PB2 (backplane signal connector)
4	SL3_CPU1_PB2 (signal connector on system board)	CTRL_SRC_PA1 (fPERC controller connector)
5	FPERC_GF (Front PERC power connector)	BP_PWR_CTRL (backplane power controller)
6	SL3_CPU1_PA1 (signal connector on system board)	CTRL_DST_PA1 (fPERC input connector)

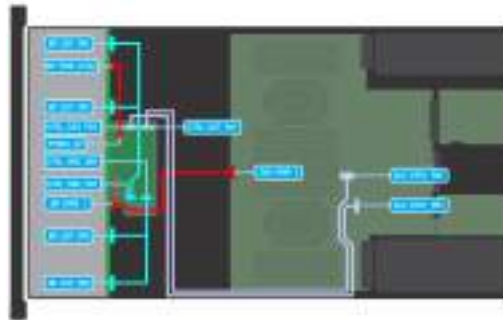


Figure 73. 8 x 2.5-inch NVMe Gen4 RAID Smart Flow Front PERC 12

Table 79. 8 x 2.5-inch NVMe Gen4 RAID Smart Flow Front PERC 12

Order	From	To
1	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
2	FPERC_GF (Front PERC power connector)	BP_PWR_CTRL (backplane power controller)
3	CTRL_SRC_PA1 (fPERC controller connector)	BP_DST_PA1 and BP_DST_PB1 (backplane signal connector)
4	SL3_CPU1_PA1 (signal connector on system board)	CTRL_DST_PA1 (fPERC input connector)
5	SL4_CPU1_PB1 (signal connector on system board)	CTRL_DST_PB1 (fPERC input connector)
6	CTRL_SRC_SB1 (fPERC controller connector)	BP_DST_PA2 and BP_DST_PB2 (backplane signal connector)

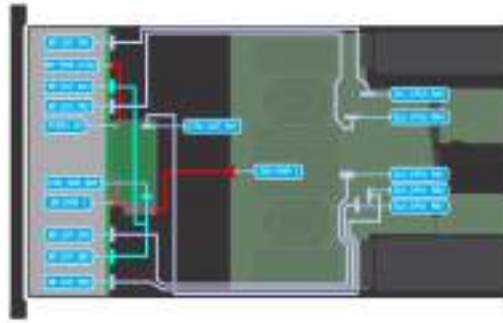


Figure 74. 8 x 2.5-inch Universal Smart Flow Front PERC 11

Table 80. 8 x 2.5-inch Universal Smart Flow Front PERC 11

Order	From	To
1	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
2	FPERC_GF (Front PERC power connector)	BP_PWR_CTRL (backplane power controller)
3	SL1_CPU2_PA4 (signal connector on system board)	BP_DST_PA1 (backplane signal connector)
4	SL2_CPU2_PB4 (signal connector on system board)	BP_DST_PB1 (backplane signal connector)
5	SL3_CPU1_PA1 (signal connector on system board)	BP_DST_PA2 (backplane signal connector)
6	SL4_CPU1_PB1 (signal connector on system board)	BP_DST_PB2 (backplane signal connector)
7	SL5_CPU1_PB2 (signal connector on system board)	CTRL_DST_PA1 (fPERC input connector)
8	CTRL_SRC_SB1 (fPERC controller connector)	BP_DST_SA1 and BP_DST_SB1 (backplane signal connector)

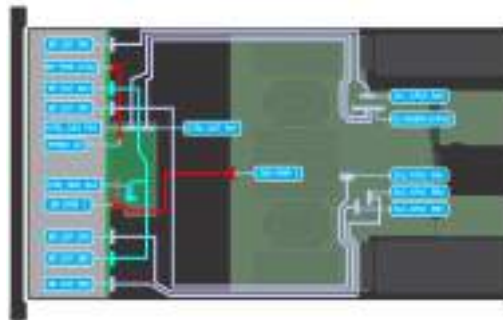


Figure 75. 8 x 2.5-inch Universal Smart Flow with Front PERC 12

Table 81. 8 x 2.5-inch Universal Smart Flow with Front PERC 12

Order	From	To
1	SL1_CPU2_PA4 (signal connector on system board)	BP_DST_PA1 (backplane signal connector)
2	IO_RISER4 (CPU2) (Riser 1 connector on system board))	CTRL_DST_PA1 and CTRL_DST_PB2 (fPERC input connector)
3	SL3_CPU1_PA1 (signal connector on system board)	BP_DST_PB1 (backplane signal connector)
4	SL4_CPU1_PB1 (signal connector on system board)	BP_DST_PA2 (backplane signal connector)
5	SL5_CPU1_PB2 (signal connector on system board)	BP_DST_PB2 (backplane signal connector)
6	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
7	FPERC_GF (Front PERC power connector)	BP_PWR_CTRL (backplane power controller)

Table 81. 8 x 2.5-inch Universal Smart Flow with Front PERC 12 (continued)

Order	From	To
8	CTRL_SRC_SA1 (fPERC controller connector)	BP_DST_SB1 and BP_DST_SA1 (backplane signal connector)

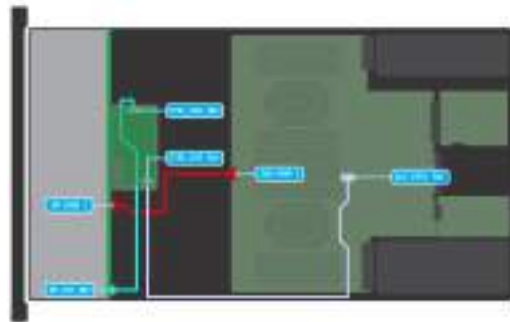


Figure 76. 10 x 2.5-inch SAS/SATA with Front PERC 11

Table 82. 10 x 2.5-inch SAS/SATA with Front PERC 11

Order	From	To
1	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
2	CTRL_SRC_SB1 (fPERC controller connector)	BP_DST_SB1 (backplane signal connector)
3	SL3_CPU_1_PA1 (signal connector on system board)	CTRL_DST_PA1 (fPERC input connector)

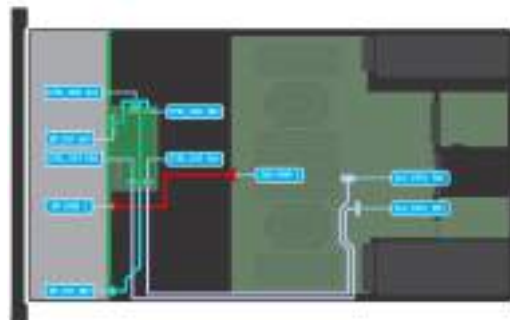


Figure 77. 10 x 2.5-inch SAS/SATA with Front PERC 12

Table 83. 10 x 2.5-inch SAS/SATA with Front PERC 12

Order	From	To
1	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
2	CTRL_SRC_SB1 (fPERC controller connector)	BP_DST_SB1 (backplane signal connector)
3	CTRL_SRC_SA1 (fPERC controller connector)	BP_DST_SA1 (backplane signal connector)
4	SL3_CPU1_PA1 (signal connector on system board)	CTRL_DST_PA1 (fPERC input connector)
5	SL4_CPU1_PB1 (signal connector on system board)	CTRL_DST_PB1 (fPERC input connector)

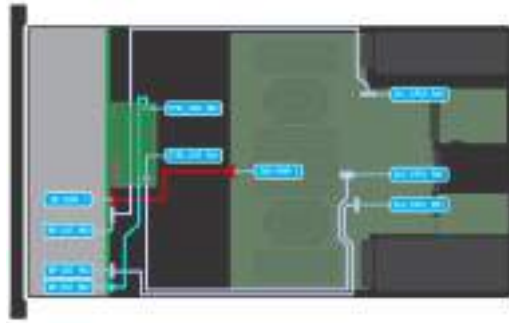


Figure 78. 10 x 2.5-inch and 4 x Universal PCIe Gen4 with Front PERC 11

Table 84. 10 x 2.5-inch and 4 x Universal PCIe Gen4 with Front PERC 11

Order	From	To
1	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
2	SL1_CPU2_PA4 (signal connector on system board)	BP_DST_PB2 (backplane signal connector)
3	SL3_CPU1_PA1 (signal connector on system board)	CTRL_DST_PA1 (fPERC input connector)
4	SL4_CPU1_PB1 (signal connector on system board)	BP_DST_PA3 (backplane signal connector)
5	CTRL_SRC_SB1 (fPERC controller connector)	BP_DST_SB1 (backplane signal connector)

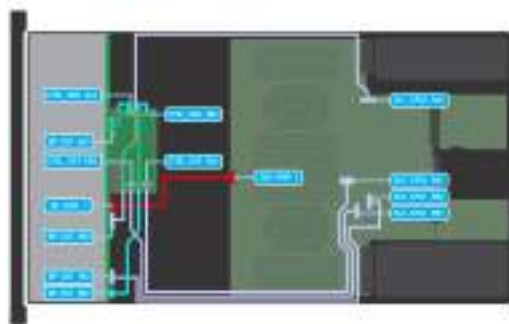


Figure 79. 10 x 2.5-inch and 4 x Universal PCIe Gen4 with Front PERC 12

Table 85. 10 x 2.5-inch and 4 x Universal PCIe Gen4 with Front PERC 12

Order	From	To
1	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
2	SL1_CPU2_PA4 (signal connector on system board)	BP_DST_PB2 (backplane signal connector)
3	SL3_CPU1_PA1 (signal connector on system board)	CTRL_DST_PA1 (fPERC input connector)
4	SL4_CPU1_PB1 (signal connector on system board)	CTRL_DST_PB1 (fPERC input connector)
5	SL5_CPU1_PB2 (signal connector on system board)	BP_DST_PA3 (backplane signal connector)
6	CTRL_SRC_SB1 (fPERC controller connector)	BP_DST_SB1 (backplane signal connector)
7	CTRL_SRC_SA1 (fPERC controller connector)	BP_DST_SA1 (backplane signal connector)
8	FPERC_GF (Front PERC power connector)	BP_PWR_CTRL (backplane power controller)

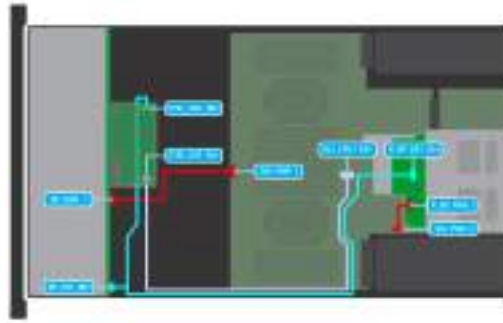


Figure 80. 10 x 2.5-inch SAS/SATA with Front PERC 11 and Rear 2 x 2.5-inch

Table 86. 10 x 2.5-inch SAS/SATA with Front PERC 11 and Rear 2 x 2.5-inch

Order	From	To
1	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
2	SL3_CPU1_PA1 (signal connector on system board)	CTRL_DST_PA1 (fPERC input connector)
3	CTRL_SRC_SB1 (fPERC controller connector)	BP_DST_SB1 (backplane signal connector) and R_BP_DST_PA1
4	SIG_PWR_0 (system board power connector)	R_BP_PWR_1 (rear backplane power connector)

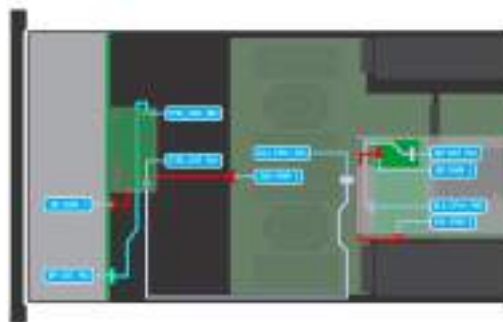


Figure 81. 10 x 2.5-inch SAS/SATA with Front PERC 11 and Rear 2 x E3.S

Table 87. 10 x 2.5-inch SAS/SATA with Front PERC 11 and Rear 2 x 2.5-inch

Order	From	To
1	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
2	SL3_CPU1_PA1 (signal connector on system board)	CTRL_DST_PA1 (fPERC input connector)
3	CTRL_SRC_SB1 (fPERC controller connector)	BP_DST_SB1 (backplane signal connector) and R_BP_DST_PA1
4	SIG_PWR_0 (system board power connector)	R_BP_PWR_1 (rear backplane power connector)

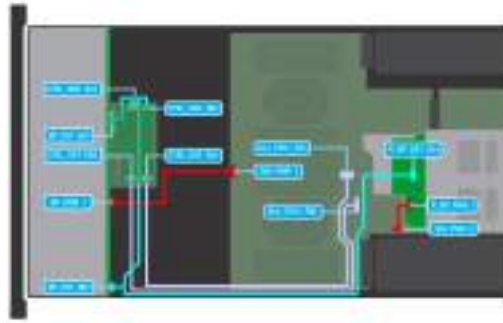


Figure 82. 10 x 2.5-inch SAS/SATA RAID with Front PERC 12 and Rear 2 x 2.5-inch

Table 88. 10 x 2.5-inch SAS/SATA RAID with Front PERC 12 and Rear 2 x 2.5-inch

Order	From	To
1	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
2	CTRL_SRC_SA1 (fPERC controller connector)	BP_DST_SA1 (backplane signal connector)
3	SL3_CPU1_PA1 (signal connector on system board)	CTRL_DST_PA1 (fPERC input connector)
4	SL4_CPU1_PB1 (signal connector on system board)	CTRL_DST_PB1 (fPERC input connector)
5	CTRL_SRC_SB1 (fPERC controller connector)	R_BP_DST_SA1 and R_BP_DST_SB1 (rear backplane signal connector)
6	SIG_PWR_0 (system board power connector)	R_BP_PWR_1 (rear backplane power connector)

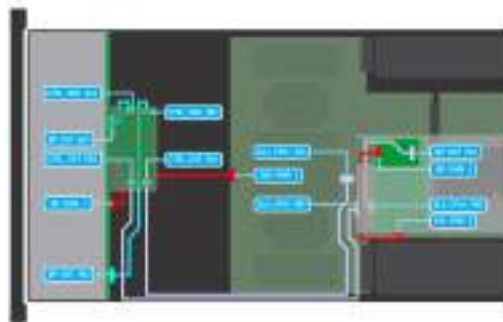


Figure 83. 10 x 2.5-inch SAS/SATA RAID with Front PERC 12 and Rear 2 x E3.S

Table 89. 10 x 2.5-inch SAS/SATA RAID with Front PERC 12 and Rear 2 x E3.S

Order	From	To
1	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
2	CTRL_SRC_SA1 (fPERC controller connector)	BP_DST_SA1 (backplane signal connector)
3	SL3_CPU1_PA1 (signal connector on system board)	CTRL_DST_PA1 (fPERC input connector)
4	SL4_CPU1_PB1 (signal connector on system board)	CTRL_DST_PB1 (fPERC input connector)
5	CTRL_SRC_SB1 (fPERC controller connector)	R_BP_DST_SA1 and R_BP_DST_SB1 (rear backplane signal connector)
6	SIG_PWR_0 (system board power connector)	R_BP_PWR_1 (rear backplane power connector)

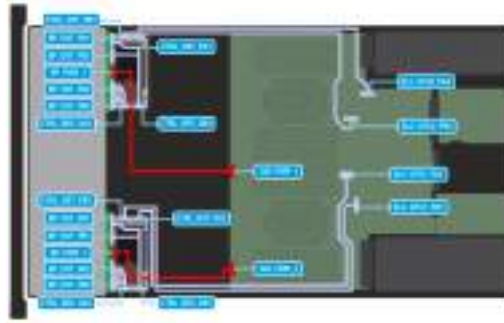


Figure 84. 16 x E3.S with dual Front PERC

Table 90. 16 x E3.S with dual Front PERC

Order	From	To
1	SIG_PWR_1 and SIG_PWR_2 (system board power connectors)	BP_PWR_1 (backplane power connectors)
2	SL1_CPU2_PA4 (signal connector on system board)	CTRL_DST_PA1 (fPERC input connector)
3	SL2_CPU2_PB4 (signal connector on system board)	CTRL_DST_PB1 (fPERC input connector)
4	SL3_CPU1_PA1 (signal connector on system board)	CTRL_DST_PA1 (fPERC input connector)
5	SL4_CPU1_PB1 (signal connector on system board)	CTRL_DST_PB1 (fPERC input connector)
6	CTRL_SRC_SB1 (fPERC controller connector)	BP_DST_PA1 and BP_DST_PB1 (backplane signal connectors)
7	CTRL_SRC_SA1 (fPERC controller connector)	BP_DST_PA2 and BP_DST_PB2 (backplane signal connectors)

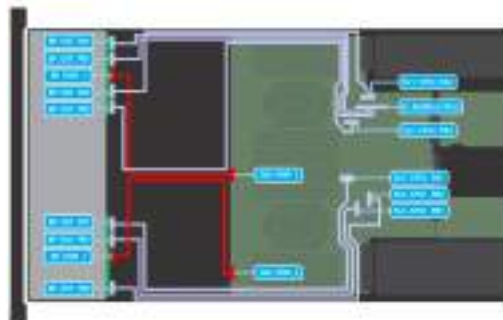


Figure 85. 14 x E3.S G5 x 4 smart flow

Table 91. 14 x E3.S G5 x 4 smart flow

Order	From	To
1	SIG_PWR_1 and SIG_PWR_2 (system board power connector)	BP_PWR_1 (backplane power connector)
2	SL1_CPU2_PA4 (signal connector on system board)	BP_DST_PA2 (backplane signal connector)
3	SL2_CPU2_PB4 (signal connector on system board)	BP_DST_PB2 (backplane signal connector)
4	SL3_CPU1_PA1 (signal connector on system board)	BP_DST_PA1 (backplane signal connector)
5	SL4_CPU1_PB1 (signal connector on system board)	BP_DST_PB1 (backplane signal connector)
6	SL5_CPU1_PB2 (signal connector on system board)	BP_DST_PB2 (backplane signal connector)
7	IO_RISER4 (CPU2) (Riser connector on system board))	BP_DST_PA1 and BP_DST_PB1 (backplane signal connector)

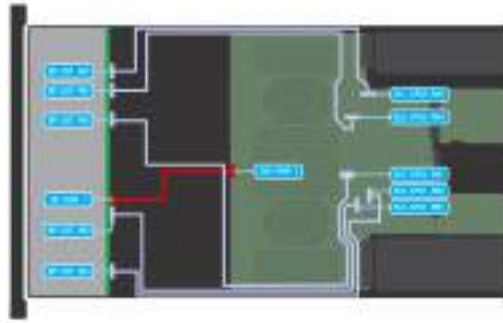


Figure 86. 10 x NVme PCIe Gen4

Table 92. 10 x NVme PCIe Gen4

Order	From	To
1	SIG_PWR_1 (system board power connector)	BP_PWR_1 (backplane power connector)
2	SL1_CPU2_PA4 (signal connector on system board)	BP_DST_PA1 (backplane signal connector)
3	SL2_CPU2_PB4 (signal connector on system board)	BP_DST_PB1 (backplane signal connector)
4	SL3_CPU1_PA1 (signal connector on system board)	BP_DST_PA2 (backplane signal connector)
5	SL4_CPU1_PB1 (signal connector on system board)	BP_DST_PB2 (backplane signal connector)
6	SL5_CPU1_PB2 (signal connector on system board)	BP_DST_PA3 (backplane signal connector)

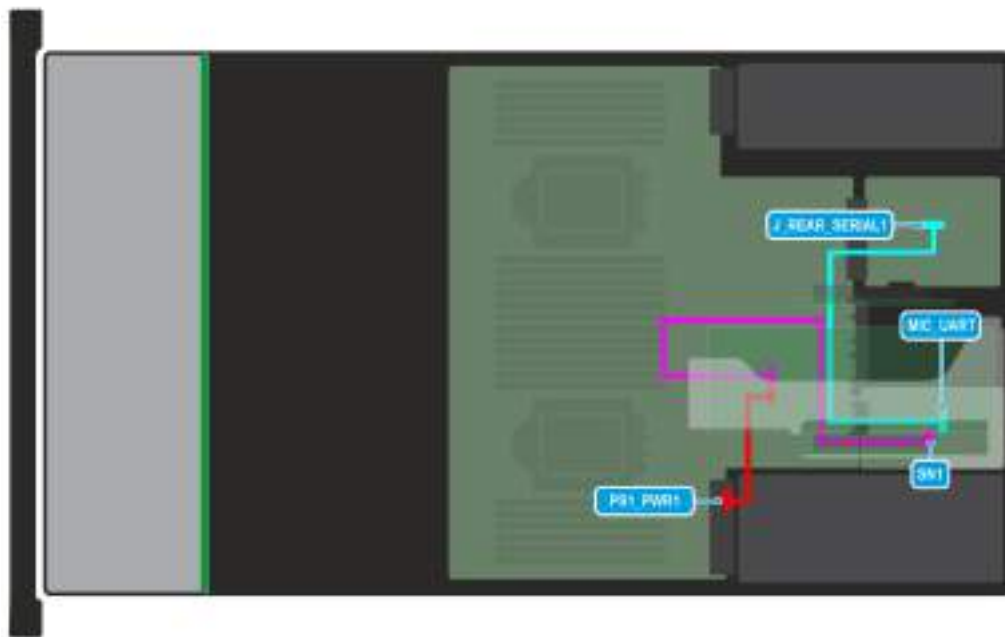


Figure 87. Dell Data Processing Unit (DPU) with R1 (Pesando 25 Gb/100 Gb, Mellanox: 25 Gb)

Table 93. Dell Data Processing Unit (DPU) with R1 (Pesando 25 Gb/100 Gb, Mellanox: 25 Gb)

Order	From	To
1	J_REAR_SERIAL1 (UART connector on rear I/O card)	MIC_UART (UART connector on MIC card)
2	SN1 (Connector on MIC card)	R1-SN1-DPU (Connector on DPU card in riser 1)

Table 93. Dell Data Processing Unit (DPU) with R1 (Pesando 25 Gb/100 Gb, Mellanox: 25 Gb) (continued)

Order	From	To
3	PS1_PWR1 (system board power connector)	PS1_PWR1_A (Aux power connector on DPU card in riser 1)

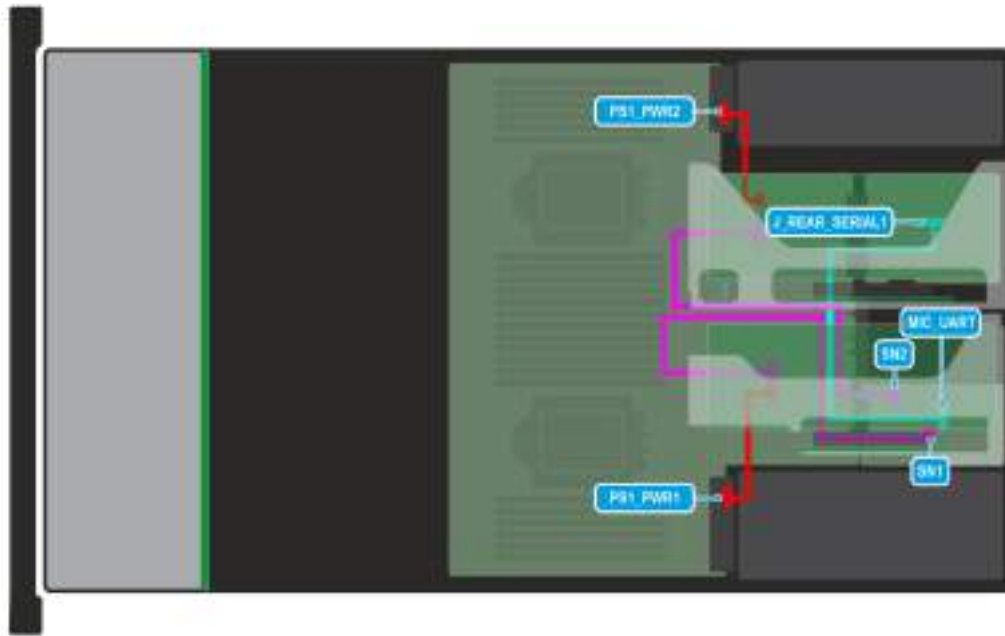


Figure 88. MIC cable (R1+R4)_Mellanox 100 Gb (H100)

Table 94. MIC cable (R1+R4)_Mellanox 100 Gb (H100)

Order	From	To
1	J_REAR_SERIAL1 (UART connector on rear I/O card)	MIC_UART (UART connector on MIC card)
2	SN1 (Connector on MIC card)	R1_SN1 (Connector on DPU card in riser 1)
3	SN2 (Connector on MIC card)	R4_SN2 (Connector on DPU card in riser 4)
4	PS1_PWR1 (system board power connector) and PS1_SIG (power signal connector)	PS1_PWR1_A (Aux power connector on DPU card in riser 1)
5	PS2_PWR1 (system board power connector) and PS1_SIG (power signal connector)	PS2_PWR4_A (Aux power connector on DPU card in riser 4)

Front PERC module

Removing the front mounting front PERC module

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. [Remove the drive backplane cover](#).
4. If installed, [Remove the air shroud](#).
5. Disconnect all the cables, observe the cable routing.

Steps

1. Disconnect the cable from the front PERC module.
2. Using a Phillips #2 screwdriver, loosen the captive screws on the front PERC module.
3. Pull the front PERC module to disengage from the connector on the drive backplane.
4. Tilt and lift the front PERC module out of the system.

 **NOTE:** The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.



Figure 89. Removing the front mounting front PERC module

Next steps

- [Replace the front mounting front PERC module](#)

Installing the front mounting front PERC module

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).
3. [Remove the drive backplane cover](#).
4. If installed, [Remove the air shroud](#).
5. Route the cable properly to prevent the cable from being pinched or crimped.

Steps

1. Connect the PERC cable to the front PERC module.
2. Align the front PERC module at an angle until the tray touches the slot in the system.
3. Press the front PERC module connector with the connector on the drive backplane until firmly seated.
4. Using a Phillips #2 screwdriver, tighten the captive screws on the front PERC module.

 **NOTE:** The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

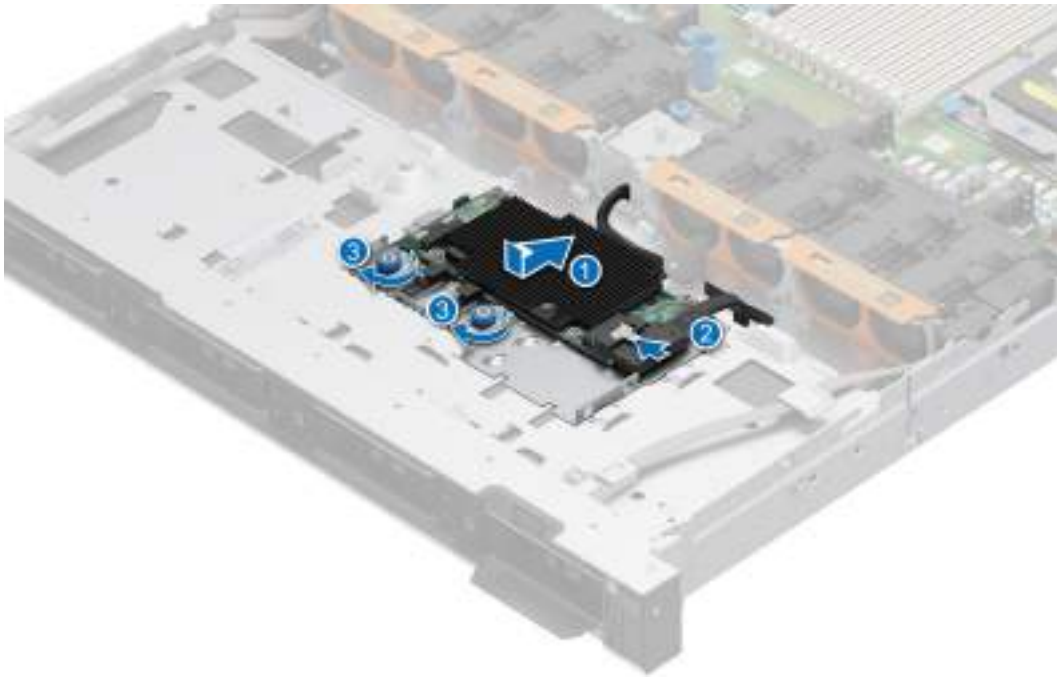


Figure 90. Installing the front mounting front PERC module

Next steps

1. Reconnect all the required cables.
2. If removed, [Install the air shroud](#).
3. [Install the drive backplane cover](#).
4. Follow the procedure listed in [After working inside your system](#).

Removing the H965 PERC module and battery tray

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. [Remove the drive backplane cover](#).
4. If installed, [remove the air shroud](#).
5. Disconnect all the cables, observe the cable routing.

Steps

1. Disconnect the power cable from the PERC power connector and remove the power cable from the clip .
2. Lift the PERC battery out of the battery tray.

 **NOTE:** The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

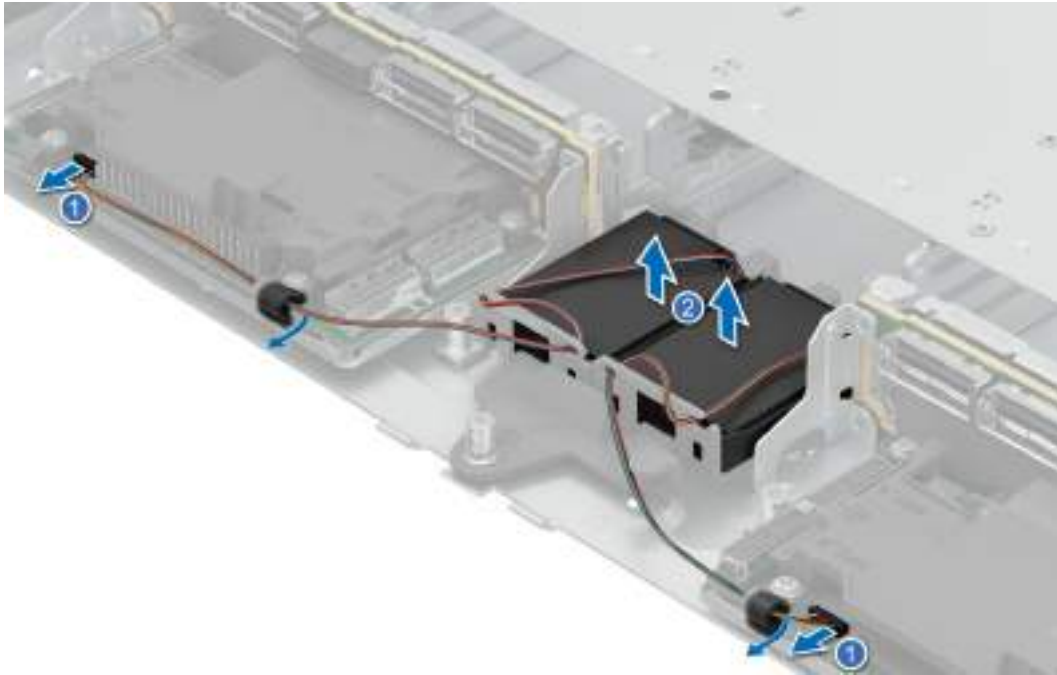


Figure 91. Removing the PERC battery

3. Using a Phillips #2 screwdriver, loosen the captive screws on the front PERC module.
4. Slide the front PERC module to disengage from the connector on the drive backplane.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

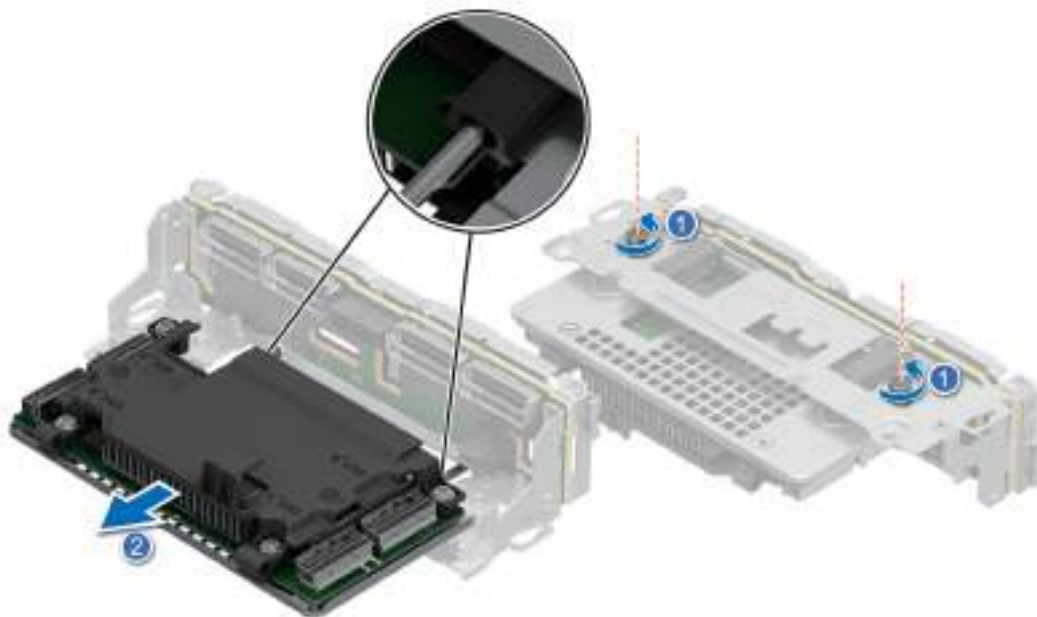


Figure 92. Removing the H965 PERC module

5. To remove the PERC from PERC module, using a Phillips #2 screwdriver, remove the four screws securing the front PERC with the bracket on the PERC module.
6. Lift the front PERC away from the bracket.
7. To remove PERC battery tray, using a Phillips #2 screwdriver, loosen the captive screws on the PERC battery holder.
8. Remove the PERC battery tray out of the system.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

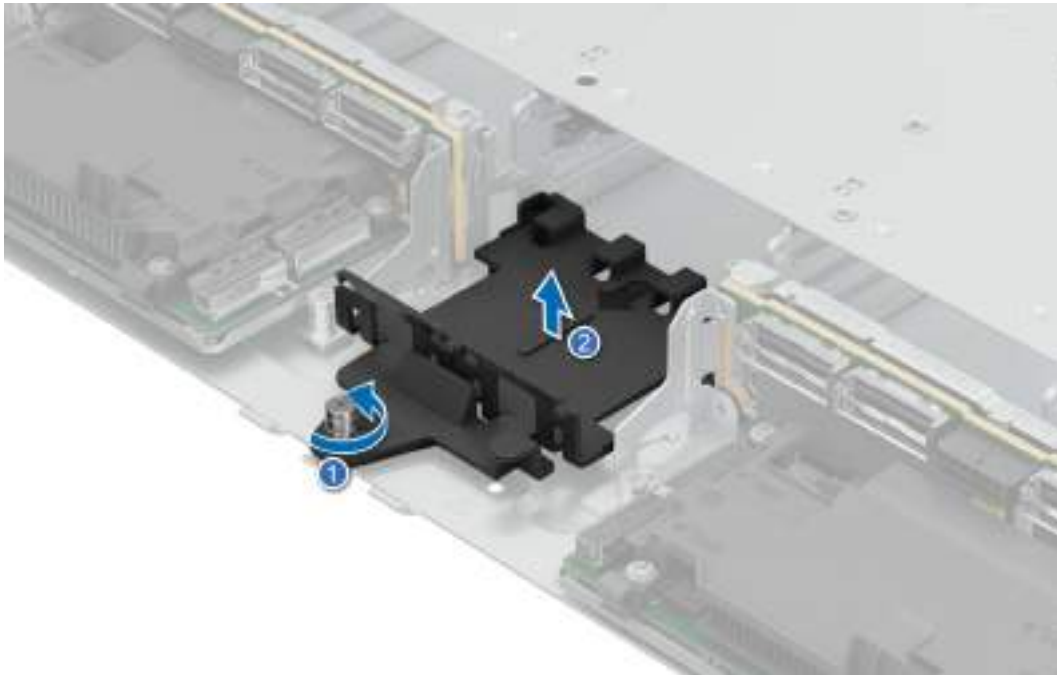


Figure 93. Removing the PERC battery tray

Next steps

1. [Replace the H965 PERC module.](#)

Installing H965 PERC module and battery tray

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. [Remove the drive backplane cover](#).
4. If installed, [remove the air shroud](#).
5. Route the cable properly to prevent the cable from being pinched or crimped.

Steps

1. To install PERC in PERC module, align the slots on the front PERC with the holes on the PERC bracket.
2. Using a Phillips #2 screwdriver, replace the four screws to secure the front PERC to the bracket.
3. To install the PERC module, align the connectors on the front PERC module with the connectors on the drive backplane.
4. Slide the front PERC module until the module is connected to the drive backplane.
5. Using a Phillips #2 screwdriver, tighten the captive screws on the front PERC module.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

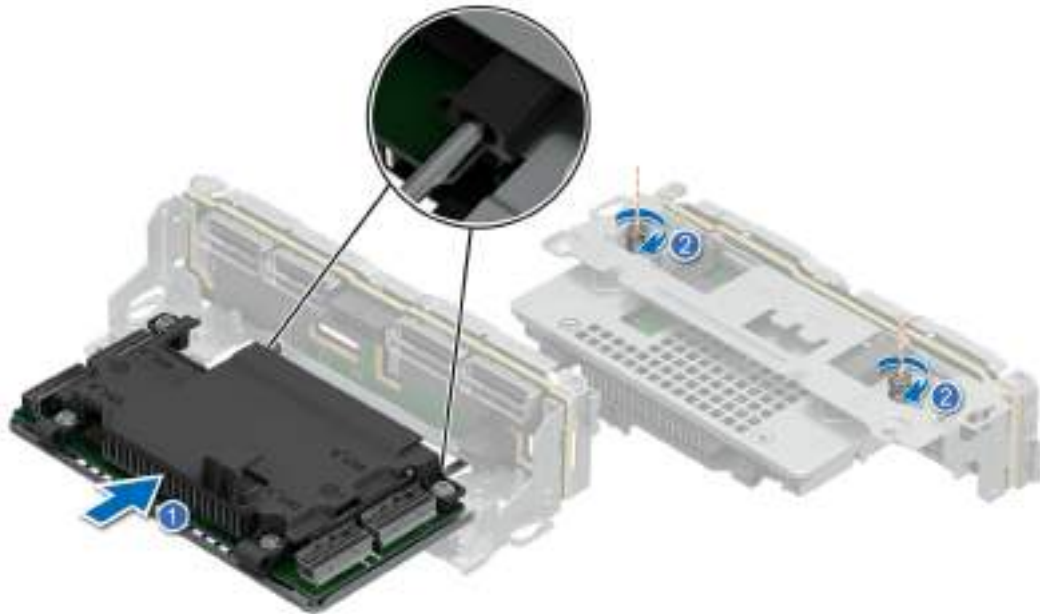


Figure 94. Installing the H965 PERC module

6. To install battery tray, place the PERC battery tray between the E3.S backplanes.
7. Using a Phillips #2 screwdriver, tighten the captive screws on the PERC battery holder.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

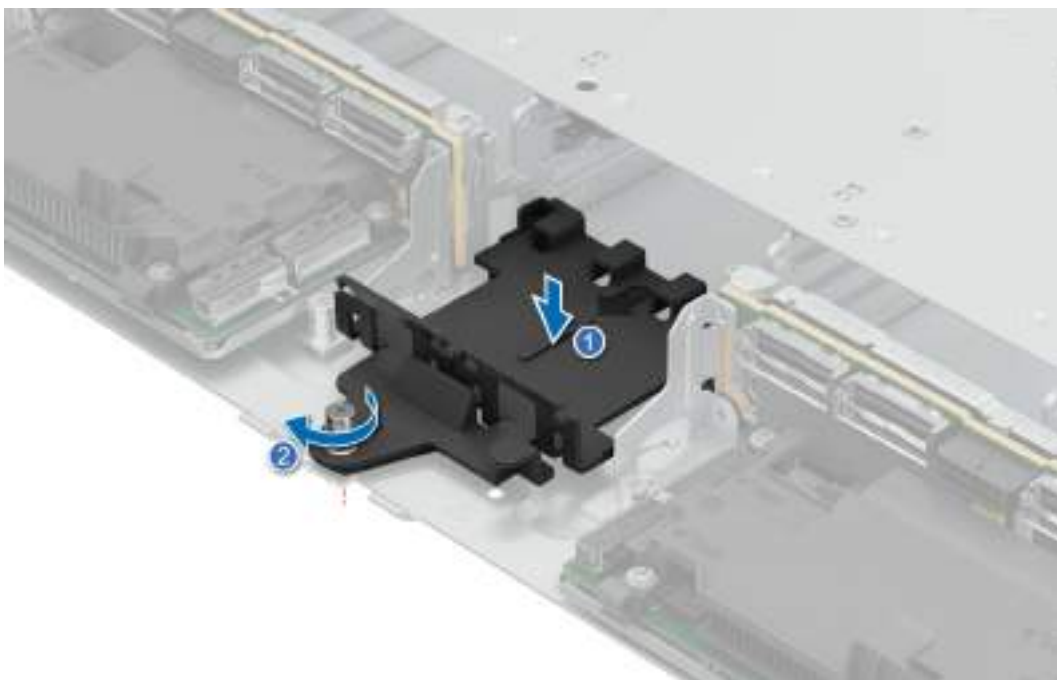


Figure 95. Installing the PERC battery tray

8. Install the PERC battery on to the tray.
9. Guide the power cable through the clip and connect it to the PERC power connector.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

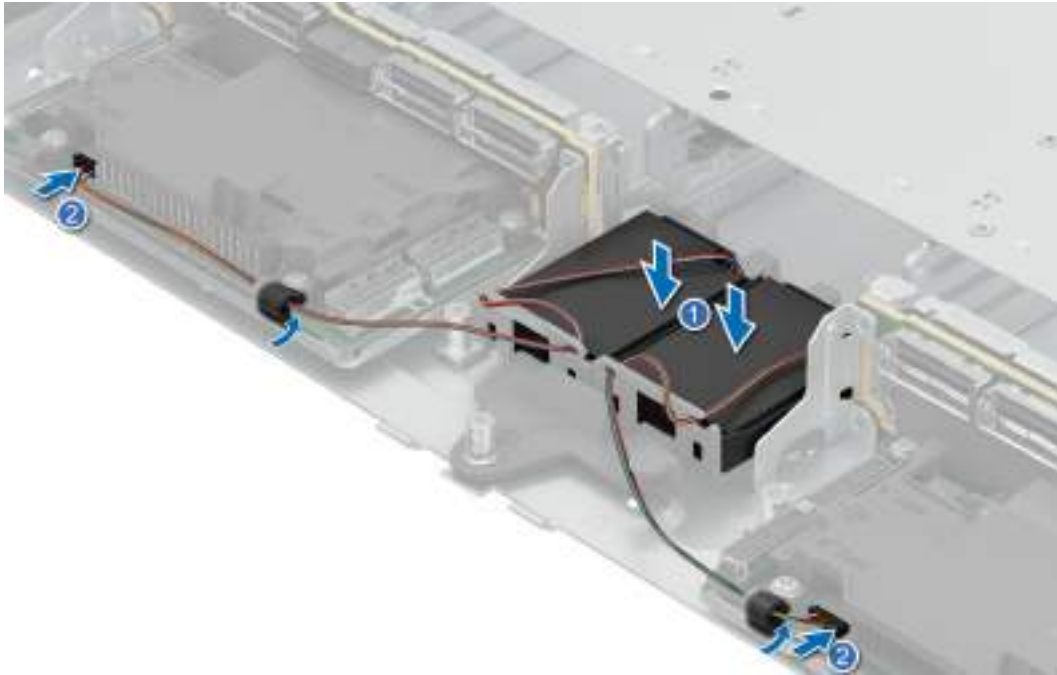


Figure 96. Installing the PERC battery

Next steps

1. [Install the drive backplane cover](#) .
2. [Install the air shroud](#).
3. Follow the procedure listed in [After working inside your system](#).

Rear drive module

Removing the rear drive module

Prerequisites

1. Follow the safety guidelines listed in [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).
3. [Remove the air shroud](#).
4. Disconnect all the cables from the rear drive module.
5. If installed, [remove the expansion card riser](#).

Steps

1. Using a Phillips #1 screwdriver, loosen the captive screws on the rear drive module.
2. Slide the rear drive module and lift it away from the system.

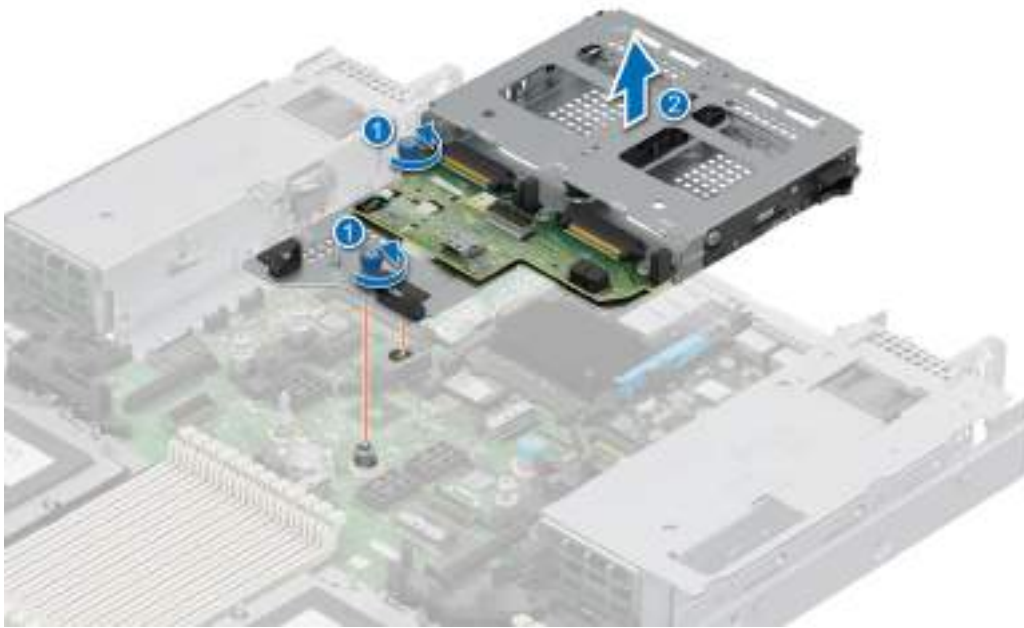


Figure 97. Removing the rear HDD

Next steps

1. [Replace the rear drive module.](#)

Installing the rear drive module

Prerequisites

1. Follow the safety guidelines listed in [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).
3. [Remove the air shroud](#).

Steps

1. Align the rear drive module with the guide on the system board.
2. Lower the rear drive module and slide till it clicks.
3. Using a Phillips #1 screwdriver, tighten the captive screws on the rear drive module.

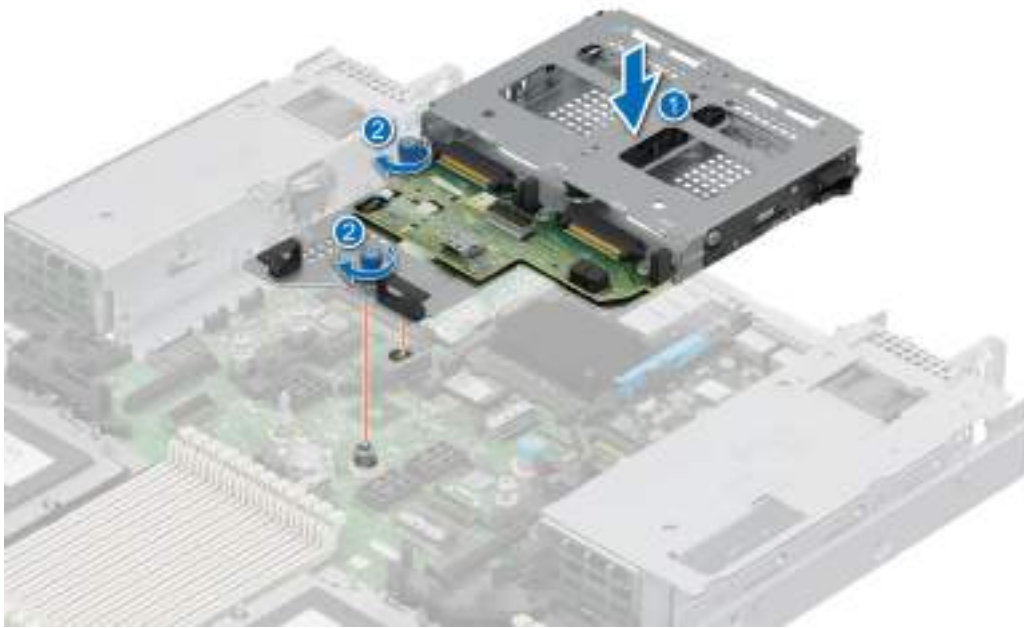


Figure 98. Installing rear drive module

Next steps

1. If removed, [Install the expansion card riser](#).
2. Connect all the cables to the rear drive module.
3. [Install the air shroud](#).
4. Follow the procedure listed in [After working inside your system](#).

Removing the rear E3.S drive module

Prerequisites

1. Follow the safety guidelines listed in [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).
3. [Remove the air shroud](#).
4. Disconnect all the cables from the rear drive module.
5. If installed, [remove the expansion card riser](#).

Steps

1. Press the blue release tab or blue button on the rear drive module to disengage.
2. Holding the edges, lift the rear drive module out of the system board.

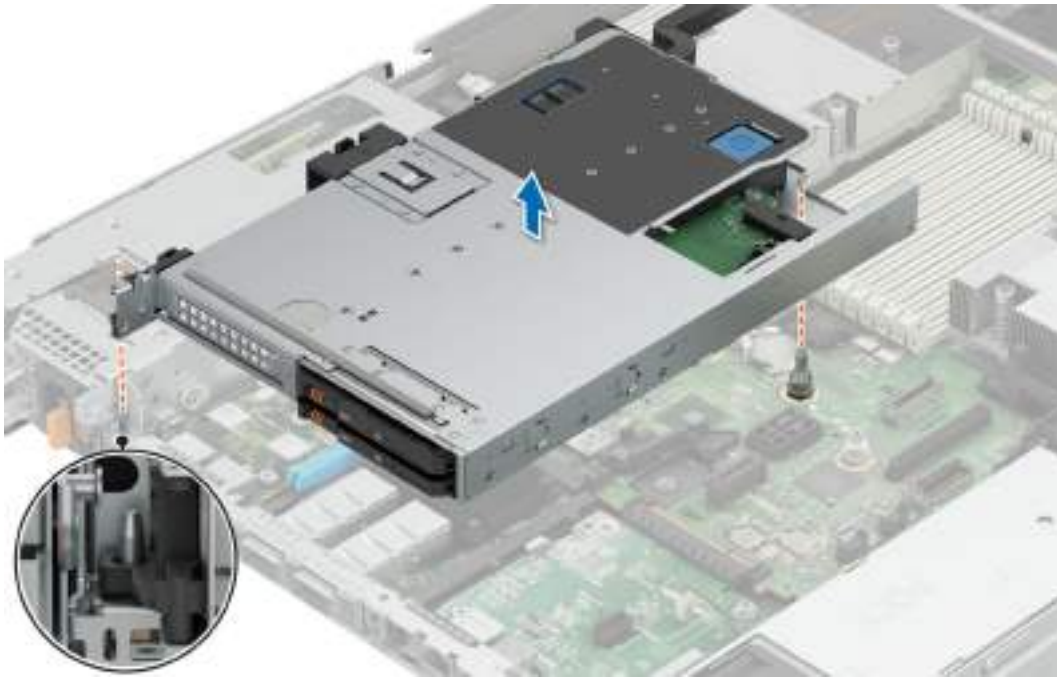


Figure 99. Removing the rear E3.S module

Next steps

1. [Replace the rear E3.S drive module.](#)

Installing the rear E3.S drive module

Prerequisites

1. Follow the safety guidelines listed in [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).
3. [Remove the air shroud](#).

Steps

1. Align the rear drive module with the guide on the system board.
2. Lower the rear drive module till it clicks.



Figure 100. Installing the rear E3.S module

Next steps

1. If removed, [Install the expansion card riser](#).
2. Connect all the cables to the rear drive module.
3. [Install the air shroud](#).
4. Follow the procedure listed in After working inside your system.

System memory

System memory guidelines

The PowerEdge R6625 system supports DDR5 registered DIMMs (RDIMMs).

Your system memory is organized into twelve channels per processor (one memory socket per channel), 12 memory sockets per processor and 24 memory sockets per system.

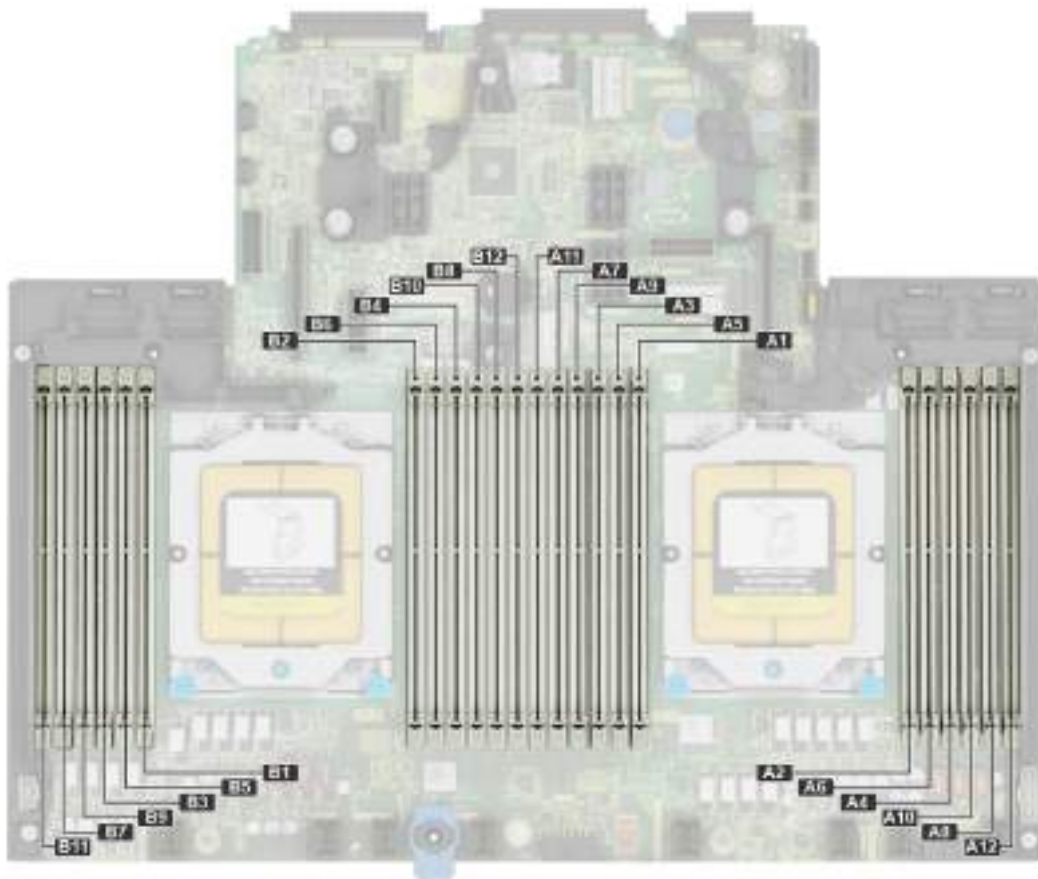


Figure 101. Populating Memory channels

Table 95. Memory channels A through F

Processor	Channel A	Channel B	Channel C	Channel D	Channel E	Channel F
Processor 1	Slot A1	Slot A5	Slot A3	Slot A9	Slot A7	Slot A11
Processor 2	Slot B1	Slot B5	Slot B3	Slot B9	Slot B7	Slot B11

Table 96. Memory channels G through L

Processor	Channel G	Channel H	Channel I	Channel J	Channel K	Channel L
Processor 1	Slot A2	Slot A6	Slot A4	Slot A10	Slot A8	Slot A12
Processor 2	Slot B2	Slot B6	Slot B4	Slot B10	Slot B8	Slot B12

Table 97. Supported memory matrix

DIMM type	Rank	Capacity	Operating Speed
			1 DIMM per channel (DPC)
DDR5 RDIMM	1 R	16 GB	4800 MT/s
	2 R	32 GB, 64 GB	4800 MT/s
	2 R	96 GB	4800 MT/s
	4 R	128 GB	4800 MT/s
	8 R	256 GB	4800 MT/s

NOTE: DDR4 memory is not supported.

NOTE: The processor may reduce the performance of the rated DIMM speed.

General memory module installation guidelines

To ensure optimal performance of your system, observe the following general guidelines when configuring your system memory. If your system's memory configurations fail to observe these guidelines, your system might not boot, stop responding during memory configuration, or operate with reduced memory. This section provides information on the memory population rules for single or dual processor system.

The memory bus operate at speeds up to 4800 MT/s depending on the following factors:

- System profile selected (for example, Performance Optimized, or Custom [can be run at high speed or lower])
- Maximum supported DIMM speed of the processors
- Maximum supported speed of the DIMMs

NOTE: MT/s indicates DIMM speed in MegaTransfers per second.

The system supports Flexible Memory Configuration, enabling the system to be configured and run in any valid chipset architectural configuration. The following are the recommended guidelines for installing memory modules:

- All DIMMs must be RDIMM DDR5 with the same capacity and width.
 - Mixing different DIMM capacities is not supported.
 - Mixing module types within a memory channel is not supported. All DIMMs populated must be RDIMM.
 - Mixing different widths (x4 & x8) is not supported.
- Populate memory module sockets only if a processor is installed.
 - For single-processor systems, sockets A1 to A12 are available.
 - For dual-processor systems, sockets A1 to A12 and sockets B1 to B12 are available.

Table 98. Memory population rules

Processor	Configuration	Memory population	Memory population information
Dual processor (Start with processor1. Processor 1 and processor 2 population should match)	Optimizer (Independent channel) population order	A{1}, B{1}, A{2}, B{2}, A{3}, B{3}, A{4}, B{4}, A{5}, B{5}, A{6}, B{6}, A{7}, B{7}, A{8}, B{8}, A{9}, B{9}, A{10}, B{10}, A{11}, B{11}, A{12}, B{12}	1,2,4,6,8,10 and 12 DIMM per processor allowed.

- In Optimizer Mode, the DRAM controllers operate independently in the 64-bit mode and provide optimized memory performance.
- In a dual-processor configuration, the memory configuration for each processor must be identical. For example, if you populate socket A1 for processor 1, then populate socket B1 for processor 2, and so on.
- Persistent memory will not be supported on Genoa based platforms.
- For best performance, populate all memory channels equally (12 DIMMs per CPU) using identical DIMMs.
- Unbalanced or odd memory configurations result in a performance loss, and the system may not identify the memory modules being installed. Always populate memory channels identically with equal DIMMs for best performance.
- Minimum recommended configuration is to populate 1, 2, 4, 6, 8, 10, or 12 memory modules per processor.
- Populate twelve equal memory modules per processor (one DIMM per channel) at a time to maximize performance.

NOTE: Equal memory modules refer to DIMMs with identical electrical specification and capacity that may be from different vendors.

NOTE: If memory modules with different speeds are installed, they operate at the speed of the slowest installed memory module(s).

Removing a memory module

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).

2. Follow the procedure listed in the [Before working inside your system](#).
3. [Remove the air shroud](#).

NOTE: The memory modules are hot to touch for some time after the system has been powered down. Allow the memory modules to cool before handling them. Handle the memory modules by the card edges and avoid touching the components or metallic contacts on the memory module.

Steps

1. Locate the appropriate memory module socket.

CAUTION: Handle each memory module only by the card edges, ensuring not to touch the middle of the memory module or metallic contacts.

2. To release the memory module from the socket, simultaneously press the ejectors on both ends of the memory module socket.
3. Lift the memory module away from the system.

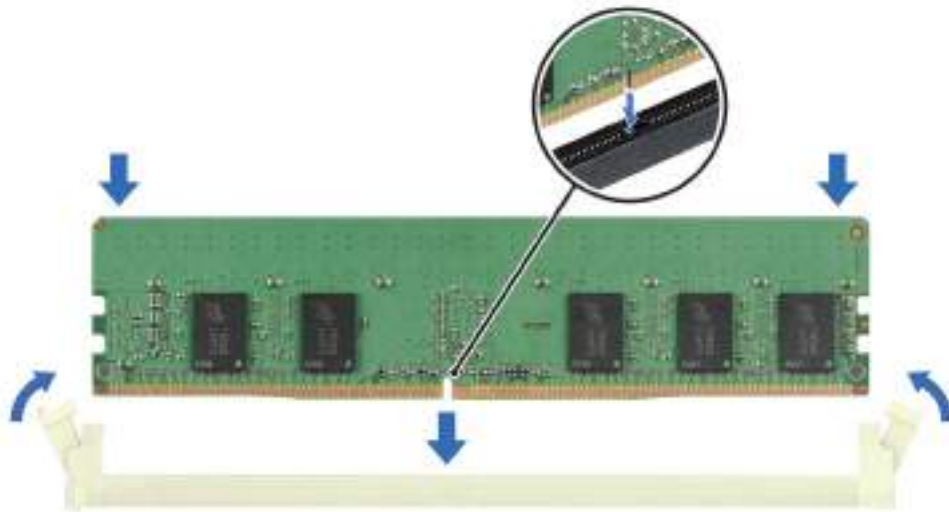


Figure 102. Removing a memory module

Next steps

1. [Replace the memory module](#). Install a memory module blank, if the memory module is removed permanently.

NOTE: The procedure to install a memory module blank is similar to the procedure to install a memory module.

NOTE: To ensure proper system cooling, memory module blanks must be installed in any memory socket that is not occupied. The memory module blanks compatible with the R6625 are DDR5 gray color blanks. Remove the memory module blanks only if you intend to install memory modules in those sockets.

Installing a memory module

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#)
2. Follow the procedure listed in the [Before working inside your system](#)
3. [Remove the air shroud](#).

Steps

1. Locate the appropriate memory module socket.

CAUTION: Handle each memory module only by the card edges, ensuring not to touch the middle of the memory module or metallic contacts.

2. If a memory module is installed in the socket, remove it.

NOTE: Ensure that the socket ejector latches are fully open, before installing the memory module.

3. Align the edge connector of the memory module with the alignment key of the memory module socket, and insert the memory module in the socket.

CAUTION: To prevent damage to the memory module or the memory module socket during installation, do not bend or flex the memory module; insert both ends of the memory module simultaneously.

NOTE: The memory module socket has an alignment key that enables you to install the memory module in the socket in only one orientation.

CAUTION: Do not apply pressure at the center of the memory module; apply pressure at both ends of the memory module evenly.

4. Press the memory module with your thumbs until the ejectors firmly click into place.

When the memory module is properly seated in the socket, the levers on the memory module socket align with the levers on the other sockets that have memory modules that are installed.

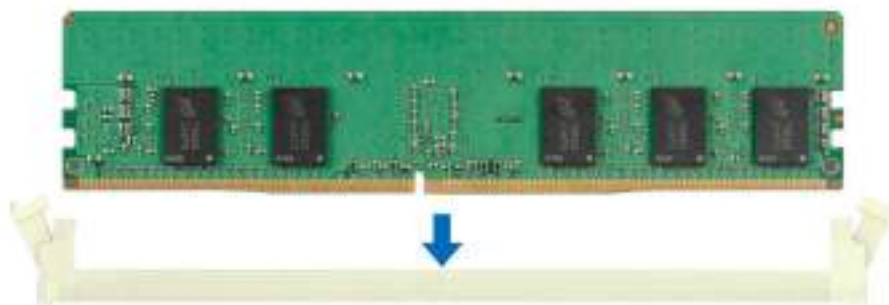


Figure 103. Installing a memory module

Next steps

1. [Install the air shroud.](#)
2. Follow the procedure listed in [After working inside your system..](#)
3. Press F2 to enter System Setup, and check the **System Memory** setting. The **System Memory Size** indicates the installed memory.
4. If the **System Memory Size** is incorrect, one or more of the memory modules may not be installed properly. Ensure that the memory modules are firmly seated in their sockets.
5. Run the system memory test in the system diagnostics.

Processor and heat sink

Removing a heat sink

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. If installed, [remove the air shroud](#).

⚠ WARNING: The heat sink and processor are too hot to touch for some time after the system has been powered off. Allow the heat sink and processor to cool down before handling them.

i NOTE: The procedure to uninstall T-type heat sink is similar. The image shows heat sink configuration system.

Steps

1. Using a Torx #12in-lb (+/- 10%). screwdriver, loosen the captive screws in the order that is mentioned on the heat sink. Please follow the torque, screw sequence to fully loosen the screws one-at-a-time for heatsink removal.
 - a. There are a total of 6 screws in this process. Partially loosen the captive screws in the disassembly order (approximately 3 turns) mentioned.
 - b. Follow screw sequence noted on the heat sink label. Disassembly order: 6->5->4->3->2->1.

i NOTE: The captive screw numbers are marked on the heat sink.

2. Lift the heat sink from the system.

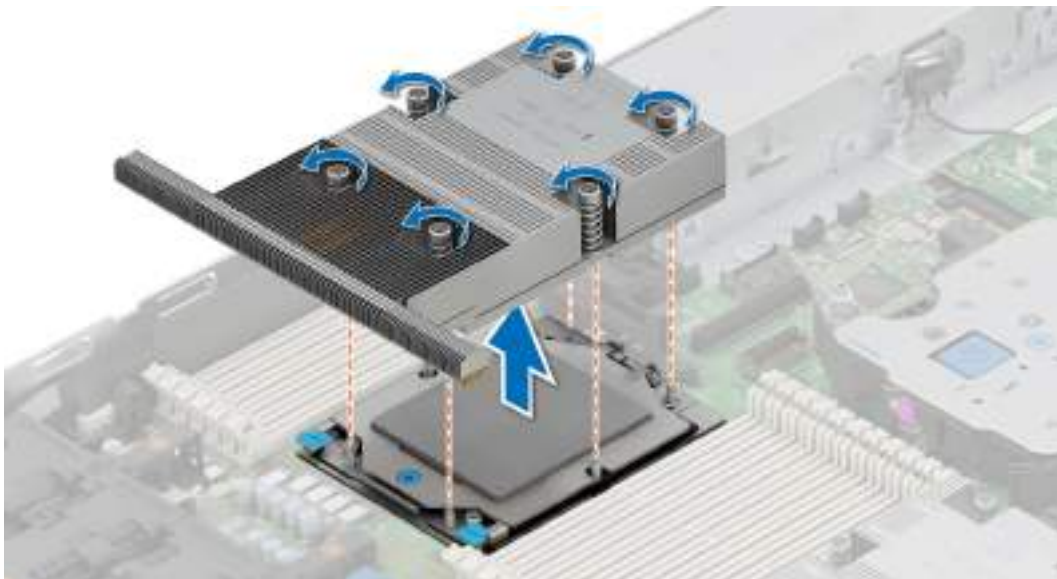


Figure 104. Removing a heat sink

Next steps

1. If you are uninstalling a faulty heat sink, [replace the heat sink](#), else [remove the processor](#).

Removing the processor

Prerequisites

⚠ WARNING: The heat sink may be hot to touch for some time after the system has been powered off. Allow the heat sink to cool before removing it.

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. [Remove the heat sink](#).

CAUTION: You may find the CMOS battery loss or CMOS checksum error is displayed during the first instance of powering on the system after the processor or system board replacement which is expected. To fix, go to set up option to configure the system settings.

Steps

1. Using a Torx #T20 screwdriver, loosen the screw to release the force plate.

NOTE: There is one screw of CPU SRM retention frame marked on the force plate.



Figure 105. Removing screws on the force plate

2. Release the processor socket rail frame by lifting the blue latches.

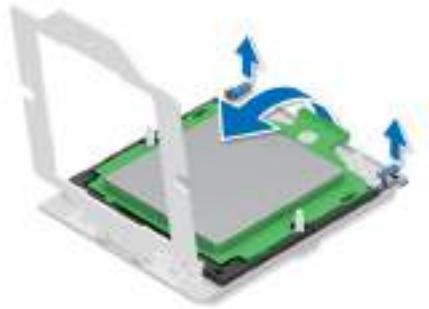


Figure 106. Lifting the rail frame

3. Holding the blue tab on the processor tray, slide the tray out of the rail frame.



Figure 107. Removing the processor tray

Next steps

1. [Replace the processor.](#)

Installing the processor

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).

2. Follow the procedure listed in [Before working inside your system.](#)
3. [Remove the heat sink.](#)

Steps

1. Holding the blue tab on the processor tray, slide the tray into the processor socket rail frame until firmly seated.



Figure 108. Placing the processor tray into the rail frame

2. Push the rail frame down until the blue latches lock into place.



Figure 109. Closing the rail frame

3. Secure the force plate to the processor socket base by tightening the screw. When the screw is fully threaded, the socket is then actuated. The screw is tightened to a torque value of 12.0 ± 1.2 lbf-in.

 **NOTE:** There is one screw of CPU SRM retention frame marked on the force plate.

NOTE: Press the force plate while tightening the screws to avoid tilting of the processor cover out of the processor socket.



Figure 110. Securing the force plate

Next steps

1. [Install the heat sink.](#)
2. Follow the procedure listed in [After working inside your system.](#)

Installing the heat sink

Prerequisites

Never uninstall the heat sink from a processor unless you intend to replace the processor or system board. The heat sink is necessary to maintain proper thermal conditions.

1. Follow the safety guidelines listed in the [Safety instructions.](#)
2. Follow the procedure listed in the [Before working inside your system.](#)
3. If installed, [remove the air shroud.](#)
4. If installed, remove the processor dust cover.

NOTE: The procedure to install T-type heat sink is similar. The image shows T-type heat sink configuration system.

Steps

1. If you are using an existing heat sink, remove the thermal grease on the heat sink by using a clean lint-free cloth.

NOTE: For a new heat sink, the thermal paste is pre-applied to the heat sink. Remove the protective cover, and install the heat sink.

2. Use the thermal grease syringe included with your processor kit to apply the grease in a thin spiral on the top of the processor.



Figure 111. Applying thermal grease

CAUTION: Applying too much thermal grease can result in excess grease coming in contact with and contaminating the processor socket.

NOTE: The thermal grease syringe is intended for single use only. Dispose of the syringe after you use it.

3. Align the screws on the heat sink with the standoff screws on the system board.

NOTE: The A1 extrusion on the T-type heat sink should face towards the system side.

4. Using a Torx #12in-lb (+/- 10%) screwdriver, tighten the captive screws in the order that is mentioned below:

NOTE: The captive screw numbers are marked on the heat sink and are tightened to a torque value of 12.0 ± 1.2 lbf-in.

- a. There are a total of 6 screws in this process. Partially tighten the captive screws in the assembly order (approximately 3 turns) mentioned.
- b. Follow screw sequence noted on the heat sink label. Assembly order: 1->2->3->4->5->6

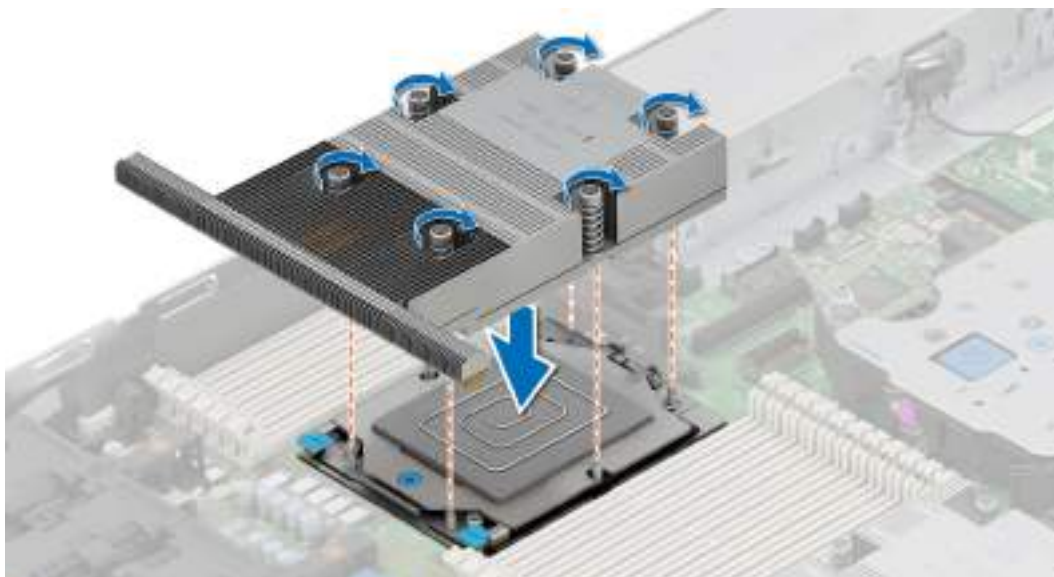


Figure 112. Installing a heat sink

Next steps

1. If removed, [install the air shroud](#).
2. Follow the procedure listed in the [After working inside your system](#).

Removing the liquid cooling heat sink modules

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. Remove the [system cover](#).
4. Remove the [air shroud](#).

⚠ WARNING: The Direct liquid cooling (DLC) module and processor are too hot to touch for some time after the system has been powered off. Allow the liquid cooling module and processor to cool down before handling them.

i NOTE: Rear I/O (RIO) board is different for the system with DLC module.

Steps

1. Using a Phillips #2 screw driver, loosen the captive screw on the DLC ring holder.
2. Tilt the DLC ring holder to loosen the DLC tubes.
3. Disconnect the DLC leak detection cable from the LC RIO board.
4. Remove the DLC tubes from the clip and LC RIO board.
5. Slightly lift the DLC tubes surrounding the DIMM slots.
6. Using a Torx #T20 screwdriver, fully loosen the captive screw all the way before moving to the next screw (on one-screw-at-a-time basis).

i NOTE: Follow the screw sequence defined on the heat sink label. Disassembly order: 6, 5, 4, 3, 2, 1.

i NOTE: The captive screw numbers are marked on the heat sink.

i NOTE: Ensure the anti-tilt wires on the DLC module are in locked position when loosening the captive screws.

7. Set the anti-tilt wires on the DLC module to the unlock position and lift the DLC module from the system.

Figure 113. Removing the liquid cooling heat sink



Next steps

1. If you are uninstalling a faulty liquid cooling heat sink module, [replace the liquid cooling heat sink](#), else [remove the processor](#).

Installing the liquid cooling heat sink modules

Prerequisites

Never uninstall the heat sink from a processor unless you intend to replace the processor or system board. The heat sink is necessary to maintain proper thermal conditions.

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. Remove the [system cover](#).
4. Remove the [air shroud](#).
5. If installed, remove the processor dust cover.
6. For new heat sinks, refer to [Installing the heat sink](#) step 1 and 2 for applying the thermal grease.

NOTE: Ensure anti-tilt wires on the DLC module are in the unlocked position.

NOTE: The recommended maximum operating pressure is 15 psi (diverter opens at 15 psi).

Steps

1. Align the DLC module with the standoff screws on the system board.
NOTE: Ensure that the DLC tubes and liquid cooling leak detection cable are placed towards the rear of the system.
2. Place the module on the processor slot and set all the anti-tilt wires to locked position (outward position).
3. Route the DLC tubes to the front of the system and along the DIMM latches.

4. Using a Torx #T20 screwdriver, fully tighten the captive screw all the way down before moving to the next screw (on one-screw-at-a-time basis).
NOTE: Follow the screw sequence defined on heat sink label. Assembly order: 1, 2, 3, 4, 5, 6.
5. The tubes leading towards the rear of the chassis and the DLC leak detection cable are placed in between the PSU 2 and the clip of rear I/O board (RIO).
NOTE: Leak detection cable must be placed first into the clip (underneath the cooling tubes), and then place tube 2 and tube 1 into the clip to ensure that cable does not interfere with the PCIe risers.
6. Route the rear end of the DLC tubes through the RIO board.
NOTE: Follow the number labels on the DLC tubes and ring holders (1,2).
7. Connect the DLC leak detection cable to the connector on RIO.
8. Align the rubber ring on the tubes with the ring holder.
9. Tilt the DLC ring holder and using a Phillips #2 screwdriver, tighten the captive screw on the DLC ring holder to secure it in place.

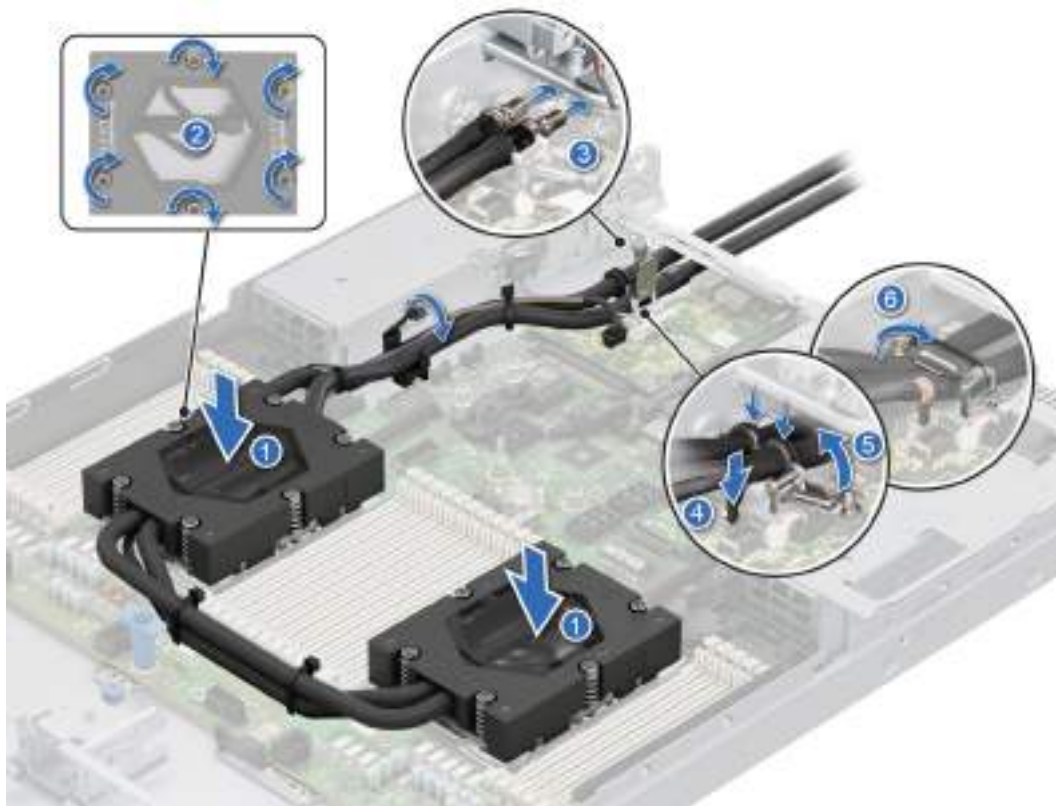


Figure 114. Installing the liquid cooling heat sink modules

Next steps

1. Install the [air shroud](#).
2. Install the [system cover](#).
3. Follow the procedure listed in the [After working inside your system](#).

Expansion cards and expansion card risers

NOTE: A system event entry is logged in the iDRAC Lifecycle Controller if an expansion card riser is not supported or missing. It does not prevent your system from turning on. However, if a F1/F2 pause occurs with an error message, see *Troubleshooting expansion cards* section in the *Dell PowerEdge Servers Troubleshooting Guide* at [PowerEdge manuals](#).

Expansion card installation guidelines

The following image shows the supported expansion cards:

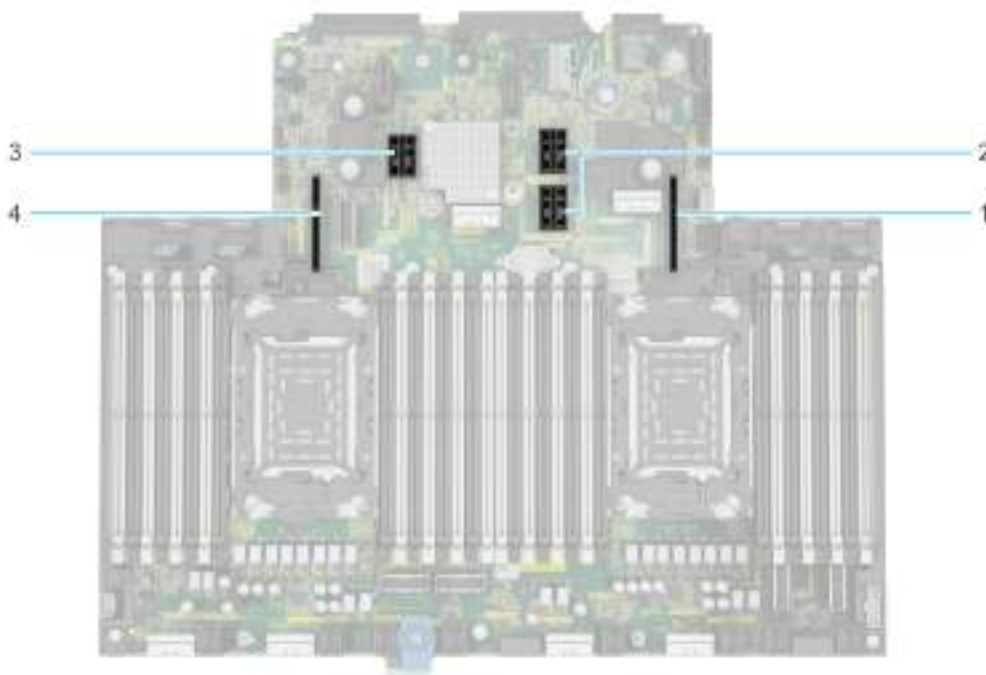


Figure 115. Expansion card riser slot connectors

1. Riser 1
2. Riser 2
3. Riser 3
4. Riser 4

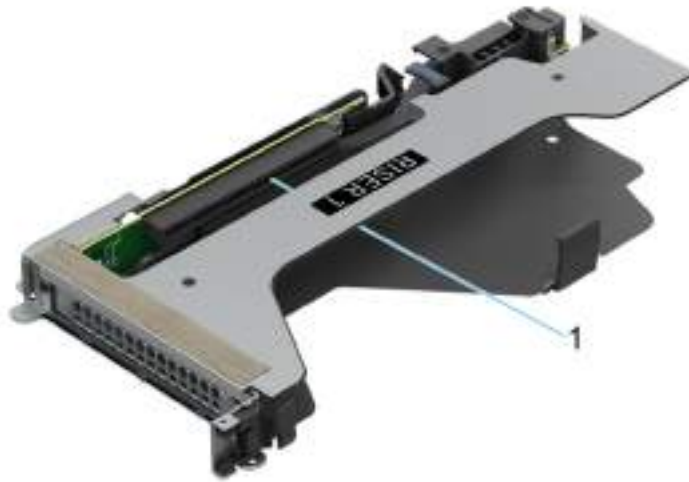


Figure 116. Riser 1P

1. Slot 1

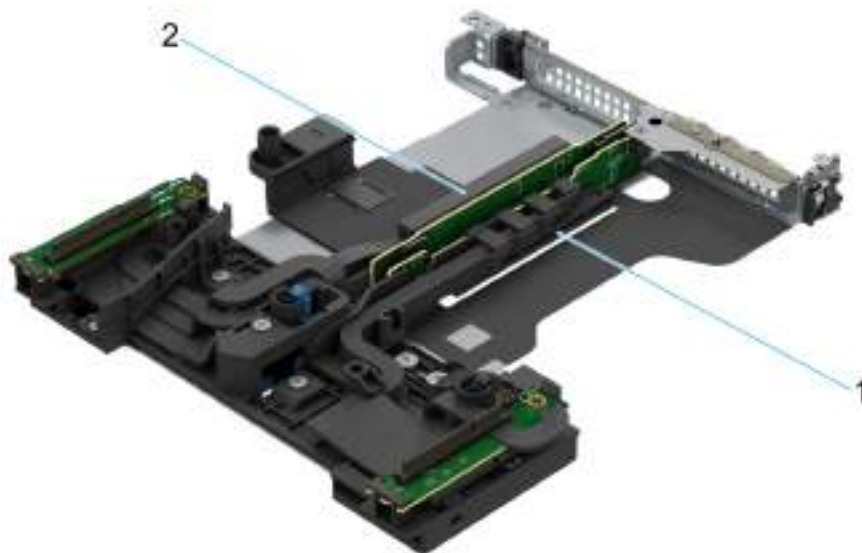


Figure 117. Riser 2Q

1. Slot 2
2. Slot 1

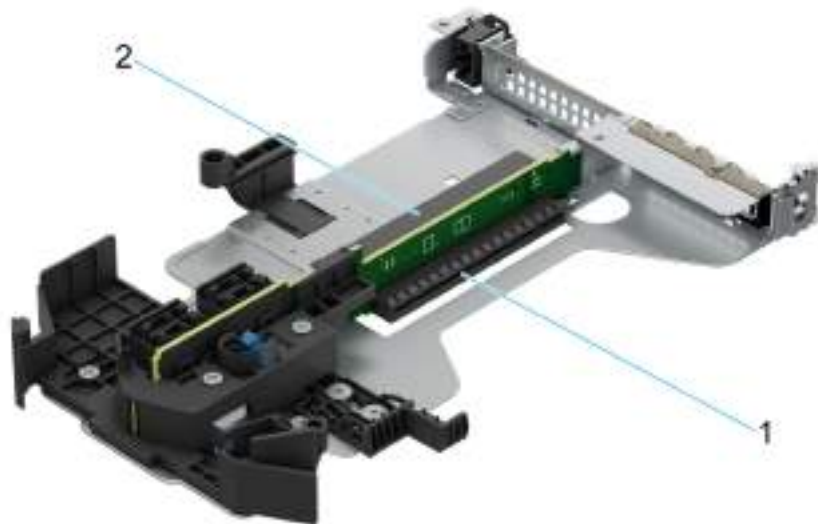


Figure 118. Riser 2A

1. Slot 2
2. Slot 1

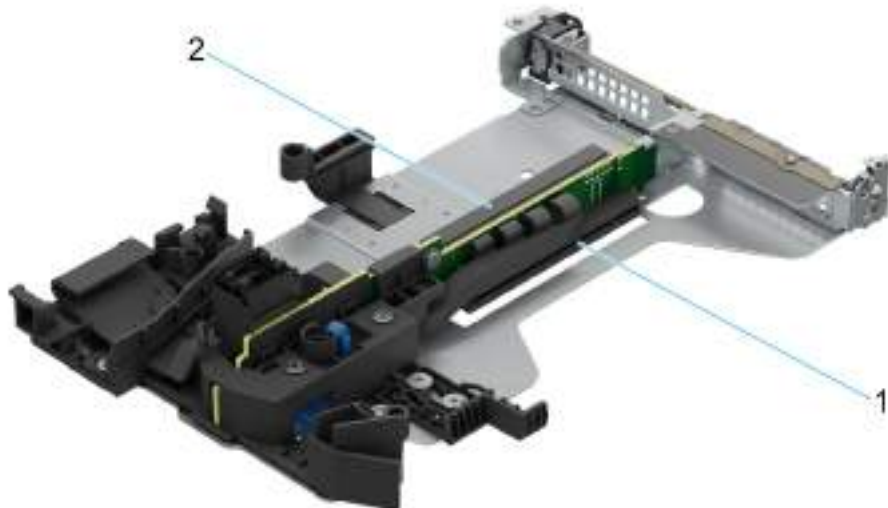


Figure 119. Riser 2P

1. Slot 2
2. Slot 1

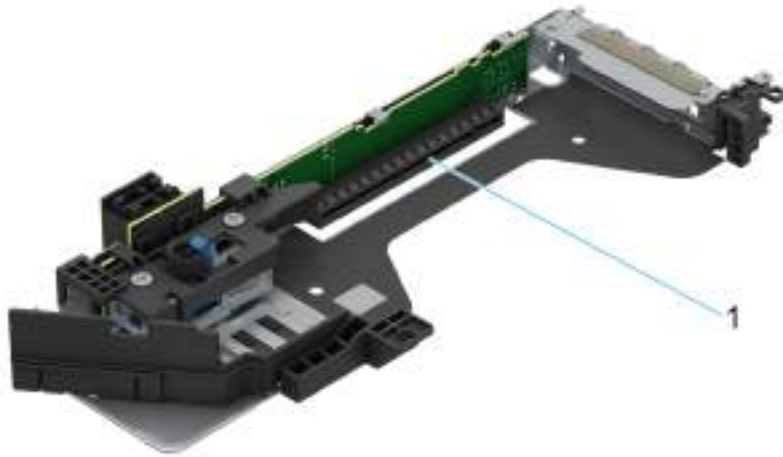


Figure 120. Riser 3A

1. Slot 3



Figure 121. Riser 3P

1. Slot 3



Figure 122. Riser 4P

1. Slot 2

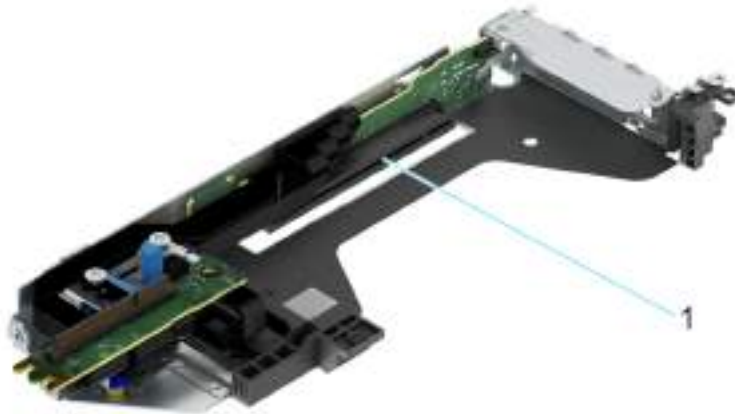


Figure 123. Riser 3S

1. Slot 3

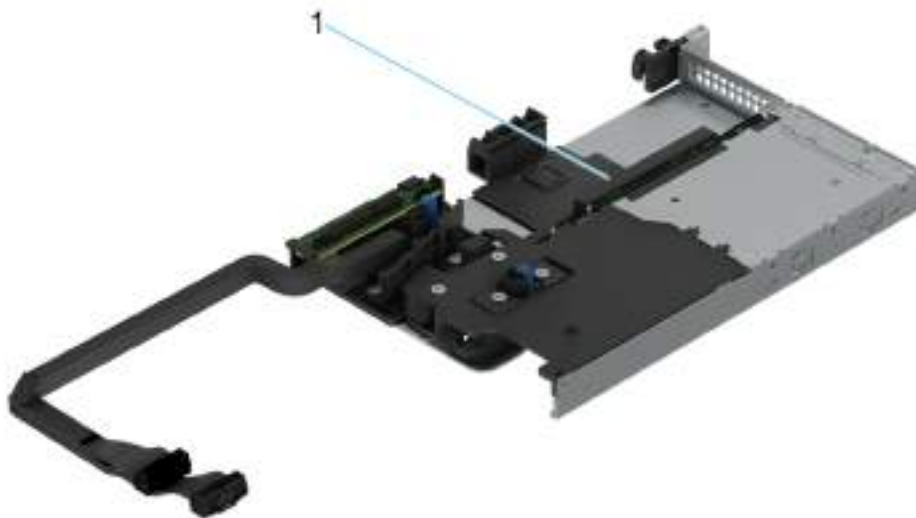


Figure 124. Riser 2S

1. Slot 1

NOTE: The expansion-card slots are not hot-swappable.

The following table provides guidelines for installing expansion cards to ensure proper cooling and mechanical fit. The expansion cards with the highest priority should be installed first using the slot priority indicated. All the other expansion cards should be installed in the card priority and slot priority order.

Table 99. Expansion card riser configurations

PCIe slot	With Regular shroud	R2A	R3A	R2P	R3P	R1P	R4P	R2Q	R3P	R2S	R3S
Slot 1	Full height - Half length	x16 LP	-	x16 LP (Gen5)	-	x16 FH (Gen5)	-	x16 LP (Gen5)	-	x16 LP (Gen5)	-
Slot 2	Full height - Half length	x16 LP	-	x16 LP	-	-	x16 FH (Gen5)	x16 LP (Gen5)	-	-	-
Slot 3	Low profile - Half length	-	x16 LP	-	x16 LP (Gen5)	-	-	-	x16 LP (Gen5)	-	x16 LP (Gen5)

Table 100. PCIe Riser Configs

Config #	RSR Configuration	# of CPUs	PERC type supported	Rear Storage Possible	x16 CPU 1 Slot1 LP	x16 CPU 2 Slot2 LP	x16 CPU 2 Slot3 LP	x16 CPU 1 Slot1 FH	x16 CPU 2 Slot2 FH
0	No RSR	2	Front PERC	No	0	0	0	0	0
1	R2A+R3A	2	Front PERC	No	1	1	1	0	0
2	R2P+R3P	2	Front PERC	No	1	1	1	0	0
3	R1P+R4P	2	Front PERC	No	0	0	0	1	1

Table 100. PCIe Riser Configs (continued)

Config #	RSR Configuration	# of CPUs	PERC type supported	Rear Storage Possible	x16 CPU 1 Slot1 LP	x16 CPU 2 Slot2 LP	x16 CPU 2 Slot3 LP	x16 CPU 1 Slot1 FH	x16 CPU 2 Slot2 FH
4	R2Q	2	Front PERC	No	1	1	0	0	0
5	R3P	2	Front PERC	Yes	0	0	1	0	0
6	R2S+R3S	2	Front PERC	Yes	1	0	1	0	0
7	R2A	1	Front PERC	No	1	0	0	0	0
8	R2A+R4-E3 Paddle card	2	Front PERC	No	1	1	0	0	0

 **NOTE:** The expansion-card slots are not hot-swappable.

The following table provides guidelines for installing expansion cards to ensure proper cooling and mechanical fit. The expansion cards with the highest priority should be installed first using the slot priority indicated. All the other expansion cards should be installed in the card priority and slot priority order.

Table 101. Config0. No RSR

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
FOXCONN (Front PERC) H355	Integrated slot	1
FOXCONN (Front PERC) HBA355i	Integrated slot	1
Inventec(LOM Card)	Integrated slot	1
Intel(OCP: 25Gb)	Integrated slot	1
Intel(OCP: 25Gb)	Integrated slot	1
Mellanox(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
Intel(OCP: 1Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
FOXCONN(BOSS-N1)	Integrated slot	1
FOXCONN(BOSS-N1)	Integrated slot	1

Table 102. Config1. R2A+R3A

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
Inventec(Serial)	3	1
Nvidia(GPU)	3	1
FOXCONN (Front PERC) H965i	Integrated slot	1
FOXCONN (Front PERC) H755N	Integrated slot	1
FOXCONN (Front PERC) H755N,GDL	Integrated slot	1
FOXCONN (Front PERC) H755	Integrated slot	1
FOXCONN (Front PERC) H755,GDL	Integrated slot	1
FOXCONN (Front PERC) H355	Integrated slot	1
FOXCONN (Front PERC) HBA355i	Integrated slot	1
FOXCONN (External Adapter) HBA355e	1,2,3	3
HBA465e (External Adapter)	1,2,3	3
FOXCONN (External Adapter) H965e	1,2,3	3
Inventec(LOM Card)	Integrated slot	1
Mellanox(NIC: 400Gb)	3	1
Broadcom(NIC: 100Gb)	3	1
Intel (NIC: 100Gb)	3	1
Mellanox(NIC: 100Gb)	3	1
Intel (NIC: 100Gb)	3	1
Intel (NIC: 25Gb)	3	1
Mellanox(NIC: 25Gb)	3	1
Broadcom(NIC: 25Gb)	3	1
Broadcom(HBA: FC64)	3	1
Broadcom(HBA: FC32)	3	1
Broadcom(HBA: FC32)	3	1
Marvell(HBA: FC32)	3	1
Marvell(HBA: FC32)	3	1
Broadcom(NIC: 10Gb)	3	1
Broadcom(NIC: 10Gb)	3	1
Intel (NIC: 10Gb)	3	1
Intel (NIC: 10Gb)	3	1
Intel (NIC: 1Gb)	3	1
Broadcom(NIC: 1Gb)	3	1
Intel (NIC: 1Gb)	3	1
Broadcom(NIC: 1Gb)	3	1
Mellanox(NIC: NDR200)	3	1
Intel(OCP: 25Gb)	Integrated slot	1
Intel(OCP: 25Gb)	Integrated slot	1

Table 102. Config1. R2A+R3A (continued)

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
Mellanox(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
Intel(OCP: 1Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
FOXCONN(BOSS-N1)	Integrated slot	1
FOXCONN(BOSS-N1)	Integrated slot	1

Table 103. Config2. R2P + R3P

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
Inventec(1U serial board)	3	1
Nvidia(GPU)	1,2,3	3
FOXCONN (Front PERC) H965i	Integrated slot	2
FOXCONN (Front PERC) H755N	Integrated slot	2
FOXCONN (Front PERC) H755N,GDL	Integrated slot	2
FOXCONN (Front PERC) H755	Integrated slot	1
FOXCONN (Front PERC) H755,GDL	Integrated slot	1
FOXCONN (Front PERC) H355	Integrated slot	1
FOXCONN (Front PERC) HBA355i	Integrated slot	1
FOXCONN (External Adapter) HBA355e	1,2,3	3
HBA465e (External Adapter)	1,2,3	3
FOXCONN (External Adapter) H965e	1,2,3	3
Inventec(LOM Card)	Integrated slot	1
Mellanox(NIC: 400Gb)	1,2,3	3
Broadcom(NIC: 100Gb)	1,2,3	3
Intel (NIC: 100Gb)	1,2,3	3
Mellanox(NIC: 100Gb)	1,2,3	3
Intel (NIC: 100Gb)	1,2,3	3
Intel (NIC: 25Gb)	1,2,3	3
Mellanox(NIC: 25Gb)	1,2,3	3

Table 103. Config2. R2P + R3P (continued)

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
Broadcom(NIC: 25Gb)	1,2,3	3
Broadcom(HBA: FC64)	1,2,3	3
Broadcom(HBA: FC32)	1,2,3	3
Broadcom(HBA: FC32)	1,2,3	3
Marvell(HBA: FC32)	1,2,3	3
Marvell(HBA: FC32)	1,2,3	3
Broadcom(NIC: 10Gb)	1,2,3	3
Broadcom(NIC: 10Gb)	1,2,3	3
Intel (NIC: 10Gb)	1,2,3	3
Intel (NIC: 10Gb)	1,2,3	3
Intel (NIC: 1Gb)	1,2,3	3
Broadcom(NIC: 1Gb)	1,2,3	3
Intel (NIC: 1Gb)	1,2,3	3
Broadcom(NIC: 1Gb)	1,2,3	3
Mellanox(NIC: NDR200)	1,2,3	3
Intel(OCP: 25Gb)	Integrated slot	1
Intel(OCP: 25Gb)	Integrated slot	1
Mellanox(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
Intel(OCP: 1Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
FOXCONN(BOSS-N1)	Integrated slot	1

Table 104. Config3. R1P + R4P

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
Nvidia(GPU)	1,2	2
FOXCONN (Front PERC) H965i	Integrated slot	2
FOXCONN (Front PERC) H755N	Integrated slot	2
FOXCONN (Front PERC) H755N,GDL	Integrated slot	2

Table 104. Config3. R1P + R4P (continued)

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
FOXCONN (Front PERC) H755	Integrated slot	1
FOXCONN (Front PERC) H755,GDL	Integrated slot	1
FOXCONN (Front PERC) H355	Integrated slot	1
FOXCONN (Front PERC) HBA355i	Integrated slot	1
HBA465e (External Adapter)	1,2	2
FOXCONN (External Adapter) H965e	1,2	2
Inventec(Paige Card)	Integrated slot	1
Inventec(Melody Card)	Integrated slot	1
Pensando(SmartNIC: 100Gb)	1,2	2
Intel(SmartNIC: 100Gb)	1,2	2
Mellanox(SmartNIC: 100Gb)	1,2	2
Pensando(SmartNIC: 25Gb)	1,2	2
Mellanox(SmartNIC: 25Gb)	1,2	2
Intel(SmartNIC: 25Gb)	1,2	2
Mellanox(NIC: 400Gb)	1,2	2
Broadcom(NIC: 100Gb)	1,2	2
Intel (NIC: 100Gb)	1,2	2
Mellanox(NIC: 100Gb)	1,2	2
Intel (NIC: 100Gb)	1,2	2
Intel (NIC: 25Gb)	1,2	2
Intel (NIC: 25Gb)	1,2	2
Mellanox(NIC: 25Gb)	1,2	2
Broadcom(NIC: 25Gb)	1,2	2
Broadcom(NIC: 25Gb)	1,2	2
Broadcom(HBA: FC64)	1,2	2
Broadcom(HBA: FC32)	1,2	2
Broadcom(HBA: FC32)	1,2	2
Broadcom(HBA: FC32)	1,2	2
Marvell(HBA: FC32)	1,2	2
Marvell(HBA: FC32)	1,2	2
Broadcom(NIC: 10Gb)	1,2	2
Broadcom(NIC: 10Gb)	1,2	2
Intel (NIC: 10Gb)	1,2	2
Intel (NIC: 10Gb)	1,2	2
Intel (NIC: 1Gb)	1,2	2
Broadcom(NIC: 1Gb)	1,2	2
Intel (NIC: 1Gb)	1,2	2

Table 104. Config3. R1P + R4P (continued)

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
Broadcom(NIC: 1Gb)	1,2	2
Mellanox(NIC: NDR200)	1,2	2
Intel(OCP: 25Gb)	Integrated slot	1
Intel(OCP: 25Gb)	Integrated slot	1
Mellanox(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1

Table 105. Config4. R2Q

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
FOXCONN(Front PERC)	Integrated slot	1
FOXCONN(Front PERC)	Integrated slot	1
FOXCONN(External Adapter)	1,2	2
(External Adapter)	1,2	2
Inventec(LOM Card)	Integrated slot	1
Mellanox(NIC: 400Gb)	1,2	2
Broadcom(NIC: 100Gb)	1,2	2
Intel (NIC: 100Gb)	1,2	2
Mellanox(NIC: 100Gb)	1,2	2
Intel (NIC: 100Gb)	1,2	2
Intel (NIC: 25Gb)	1,2	2
Mellanox(NIC: 25Gb)	1,2	2
Broadcom(NIC: 25Gb)	1,2	2
Broadcom(HBA: FC64)	1,2	2
Broadcom(HBA: FC32)	1,2	2
Broadcom(HBA: FC32)	1,2	2
Marvell(HBA: FC32)	1,2	2
Marvell(HBA: FC32)	1,2	2
Broadcom(NIC: 10Gb)	1,2	2
Broadcom(NIC: 10Gb)	1,2	2
Intel (NIC: 10Gb)	1,2	2
Intel (NIC: 10Gb)	1,2	2
Intel (NIC: 1Gb)	1,2	2
Broadcom(NIC: 1Gb)	1,2	2
Intel (NIC: 1Gb)	1,2	2
Broadcom(NIC: 1Gb)	1,2	2

Table 105. Config4. R2Q (continued)

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
Mellanox(NIC: NDR200)	1,2	2
Intel(OCP: 25Gb)	Integrated slot	1
Intel(OCP: 25Gb)	Integrated slot	1
Mellanox(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
Intel(OCP: 1Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
FOXCONN(BOSS-N1)	Integrated slot	1
FOXCONN(BOSS-N1)	Integrated slot	1

Table 106. Config5. R3P

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
Inventec(Serial)	3	1
Nvidia(GPU)	3	1
FOXCONN (Front PERC) H965i	Integrated slot	1
FOXCONN (Front PERC) H755	Integrated slot	1
FOXCONN (Front PERC) H755,GDL	Integrated slot	1
FOXCONN (Front PERC) H355	Integrated slot	1
FOXCONN (Front PERC) HBA355i	Integrated slot	1
HBA465e (External Adapter)	3	1
FOXCONN (External Adapter) H965e	3	1
Inventec(LOM Card)	Integrated slot	1
Mellanox(NIC: 400Gb)	3	1
Broadcom(NIC: 100Gb)	3	1
Intel (NIC: 100Gb)	3	1
Mellanox(NIC: 100Gb)	3	1
Intel (NIC: 100Gb)	3	1
Intel (NIC: 25Gb)	3	1
Mellanox(NIC: 25Gb)	3	1

Table 106. Config5. R3P (continued)

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
Broadcom(NIC: 25Gb)	3	1
Broadcom(HBA: FC64)	3	1
Broadcom(HBA: FC32)	3	1
Broadcom(HBA: FC32)	3	1
Marvell(HBA: FC32)	3	1
Marvell(HBA: FC32)	3	1
Broadcom(NIC: 10Gb)	3	1
Broadcom(NIC: 10Gb)	3	1
Intel (NIC: 10Gb)	3	1
Intel (NIC: 10Gb)	3	1
Intel (NIC: 1Gb)	3	1
Broadcom(NIC: 1Gb)	3	1
Intel (NIC: 1Gb)	3	1
Broadcom(NIC: 1Gb)	3	1
Mellanox(NIC: NDR200)	3	1
Intel(OCP: 25Gb)	Integrated slot	1
Intel(OCP: 25Gb)	Integrated slot	1
Mellanox(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
Intel(OCP: 1Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
FOXCONN(BOSS-N1)	Integrated slot	1
FOXCONN(BOSS-N1)	Integrated slot	1

Table 107. Config6. R2S+R3S

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
Inventec(Serial)	3	1
Nvidia(GPU)	1,3	2
FOXCONN (Front PERC) H965i	Integrated slot	2

Table 107. Config6. R2S+R3S (continued)

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
FOXCONN (Front PERC) H755N	Integrated slot	2
FOXCONN (Front PERC) H755N,GDL	Integrated slot	2
FOXCONN (Front PERC) H755	Integrated slot	1
FOXCONN (Front PERC) H755,GDL	Integrated slot	1
FOXCONN (Front PERC) H355	Integrated slot	1
FOXCONN (Front PERC) HBA355i	Integrated slot	1
HBA465e (External Adapter)	1,3	2
FOXCONN (External Adapter) H965e	1,3	2
Inventec(LOM Card)	Integrated slot	1
Mellanox(NIC: 400Gb)	1,3	2
Broadcom(NIC: 100Gb)	1,3	2
Intel (NIC: 100Gb)	1,3	2
Mellanox(NIC: 100Gb)	1,3	2
Intel (NIC: 100Gb)	1,3	2
Intel (NIC: 25Gb)	1,3	2
Mellanox(NIC: 25Gb)	1,3	2
Broadcom(NIC: 25Gb)	1,3	2
Broadcom(HBA: FC64)	1,3	2
Broadcom(HBA: FC32)	1,3	2
Broadcom(HBA: FC32)	1,3	2
Marvell(HBA: FC32)	1,3	2
Marvell(HBA: FC32)	1,3	2
Broadcom(NIC: 10Gb)	1,3	2
Broadcom(NIC: 10Gb)	1,3	2
Intel (NIC: 10Gb)	1,3	2
Intel (NIC: 10Gb)	1,3	2
Intel (NIC: 1Gb)	1,3	2
Broadcom(NIC: 1Gb)	1,3	2
Intel (NIC: 1Gb)	1,3	2
Broadcom(NIC: 1Gb)	1,3	2
Mellanox(NIC: NDR200)	1,3	2
Intel(OCP: 25Gb)	Integrated slot	1
Intel(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1

Table 107. Config6. R2S+R3S (continued)

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
Broadcom(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
Intel(OCP: 1Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
FOXCONN(BOSS-N1)	Integrated slot	1
FOXCONN(BOSS-N1)	Integrated slot	1

Table 108. Config7. R2A (1CPU Min Conf)

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
Nvidia(GPU)	1	1
FOXCONN (Front PERC) H355	Integrated slot	1
FOXCONN (Front PERC) HBA355i	Integrated slot	1
HBA465e (External Adapter)	1,2	2
FOXCONN (External Adapter) H965e	1,2	2
Inventec(LOM Card)	Integrated slot	1
Mellanox(NIC: 400Gb)	1	1
Broadcom(NIC: 100Gb)	1	1
Intel (NIC: 100Gb)	1	1
Mellanox(NIC: 100Gb)	1	1
Intel (NIC: 100Gb)	1	1
Intel (NIC: 25Gb)	1	1
Mellanox(NIC: 25Gb)	1	1
Broadcom(NIC: 25Gb)	1	1
Broadcom(HBA: FC64)	1	1
Broadcom(HBA: FC32)	1	1
Broadcom(HBA: FC32)	1	1
Marvell(HBA: FC32)	1	1
Marvell(HBA: FC32)	1	1
Broadcom(NIC: 10Gb)	1	1
Broadcom(NIC: 10Gb)	1	1
Intel (NIC: 10Gb)	1	1
Intel (NIC: 10Gb)	1	1
Intel (NIC: 1Gb)	1	1
Broadcom(NIC: 1Gb)	1	1
Intel (NIC: 1Gb)	1	1

Table 108. Config7. R2A (1CPU Min Conf) (continued)

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
Broadcom(NIC: 1Gb)	1	1
Mellanox(NIC: NDR200)	1	1
Intel(OCP: 25Gb)	Integrated slot	1
Intel(OCP: 25Gb)	Integrated slot	1
Mellanox(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
Intel(OCP: 1Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
FOXCONN(BOSS-N1)	Integrated slot	1
FOXCONN(BOSS-N1)	Integrated slot	1

Table 109. Config8. R2A+R4 E3

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
Nvidia(GPU)	1,2	3
FOXCONN(External Adapter)	1,2	3
(External Adapter)	1,2	2
Inventec(LOM Card)	Integrated slot	1
Mellanox(NIC: 400Gb)	1,2	2
Broadcom(NIC: 100Gb)	1,2	2
Intel (NIC: 100Gb)	1,2	2
Mellanox(NIC: 100Gb)	1,2	2
Intel (NIC: 100Gb)	1,2	2
Intel (NIC: 25Gb)	1,2	2
Mellanox(NIC: 25Gb)	1,2	2
Broadcom(NIC: 25Gb)	1,2	2
Broadcom(HBA: FC64)	1,2	2
Broadcom(HBA: FC32)	1,2	2
Broadcom(HBA: FC32)	1,2	2
Marvell(HBA: FC32)	1,2	2

Table 109. Config8. R2A+R4 E3 (continued)

CARD TYPE	SLOT PRIORITY	MAXIMUM NUMBER OF CARDS
Marvell(HBA: FC32)	1,2	2
Broadcom(NIC: 10Gb)	1,2	2
Broadcom(NIC: 10Gb)	1,2	2
Intel (NIC: 10Gb)	1,2	2
Intel (NIC: 10Gb)	1,2	2
Intel (NIC: 1Gb)	1,2	2
Broadcom(NIC: 1Gb)	1,2	2
Intel (NIC: 1Gb)	1,2	2
Broadcom(NIC: 1Gb)	1,2	2
Mellanox(NIC: NDR200)	1,2	2
Intel(OCP: 25Gb)	Integrated slot	1
Intel(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 25Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Intel(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 10Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
Intel(OCP: 1Gb)	Integrated slot	1
Broadcom(OCP: 1Gb)	Integrated slot	1
FOXCONN(BOSS-N1)	Integrated slot	1
FOXCONN(BOSS-N1)	Integrated slot	1

Removing the expansion card risers

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3.  **NOTE:** If BOSS N1 module is installed, ensure to disconnect the BOSS N1 power cable and Signal cable before removing the Riser 1 cage.



Figure 125. Removing the BOSS power cable and signal cable from the controller card module

4. Disconnect any cables that are connected to the expansion card.
5. Remove the riser blanks if no riser cards are installed.

Steps

Removing Expansion Card Risers Blanks

1. If the risers are going to be replaced, remove riser blanks, and if required loosen the captive screws.
 - Unlock the metal bracket latches on either sides.
 - Slide and remove the metal brackets, install the expansion cards and lock the latches on both ends to secure the brackets in place.
- NOTE:** You must install a filler bracket over an empty expansion card slot to maintain Federal Communications Commission (FCC) certification of the system. The brackets also keep dust and dirt out of the system and aid in proper cooling and airflow inside the system.



Figure 126. Removing the Riser 1 blank

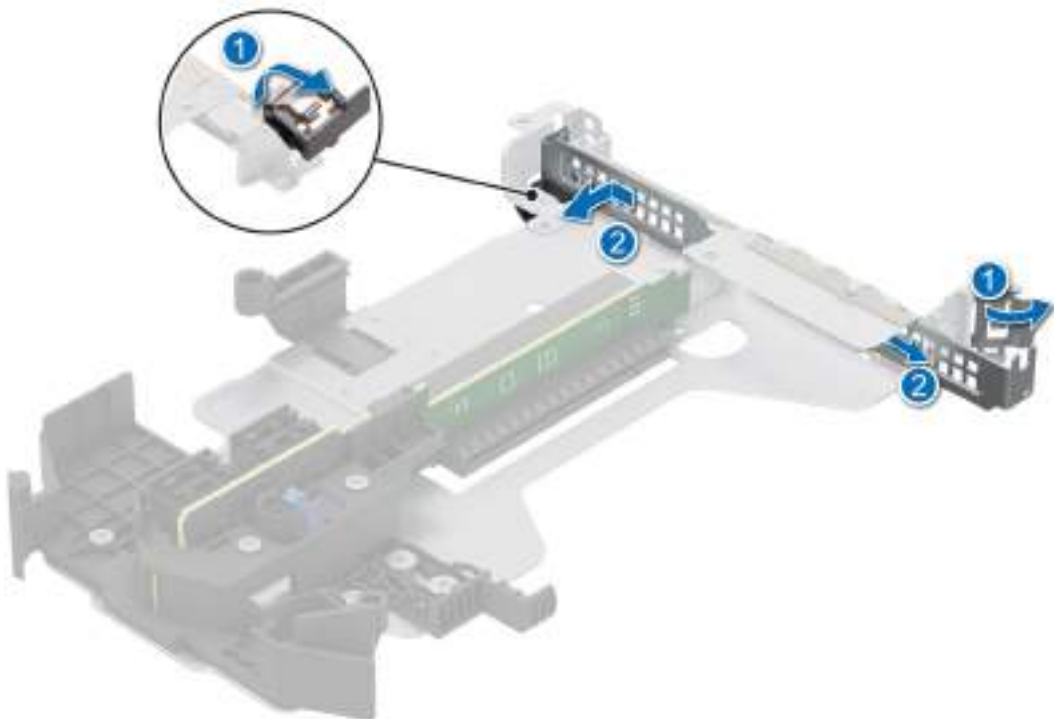


Figure 127. Removing the Riser 2 blank



Figure 128. Removing the Riser 3 blank

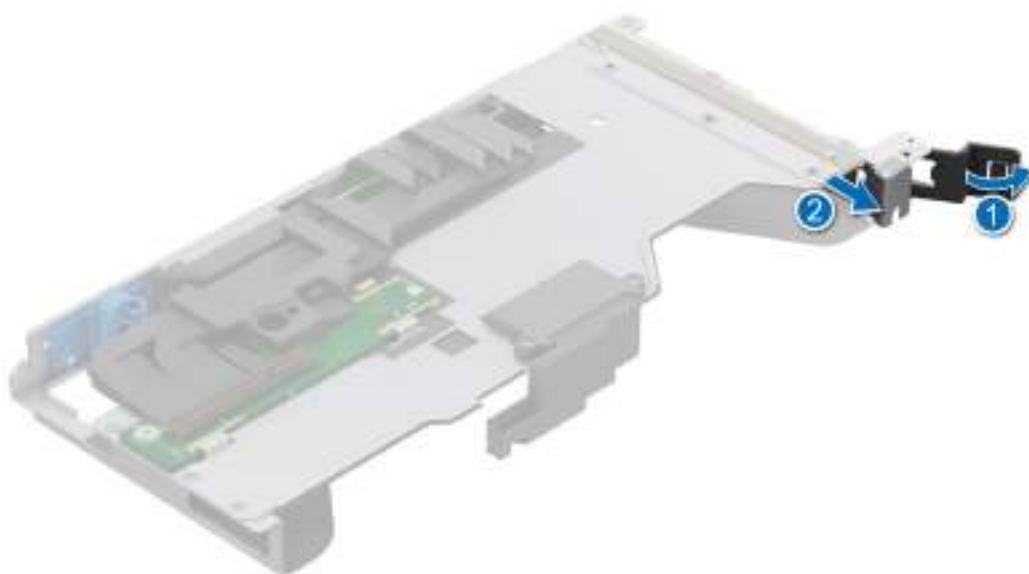


Figure 129. Removing the Riser 4 blank

Removing Expansion Card Risers

2. For Riser 1P, loosen the captive screws on the riser.
 - a. Press the blue release tab and holding the edges lift the expansion card riser from the riser connector on the system board.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

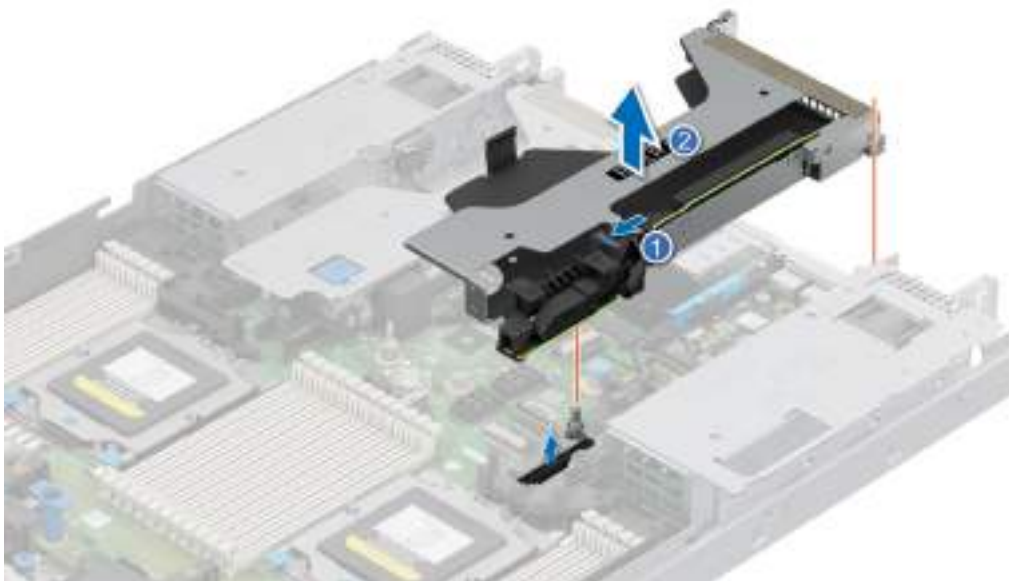


Figure 130. Removing the expansion card riser (Riser 1)

3. For Riser 2A, press the blue button on the riser and holding the touch points (two strips on one side; one strip on the other side) lift the expansion card riser from the riser connector on the system board.

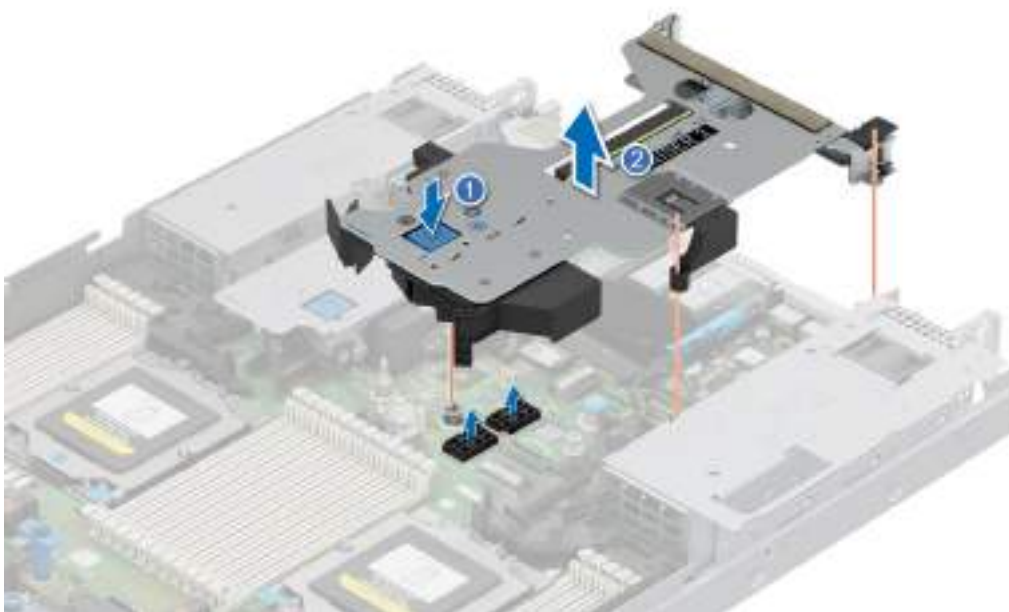


Figure 131. Removing the expansion card riser (Riser 2)

4. For Riser 3A, loosen the captive screw, and then press the blue release tab and holding the edges lift the expansion card riser from the riser connector on the system board.

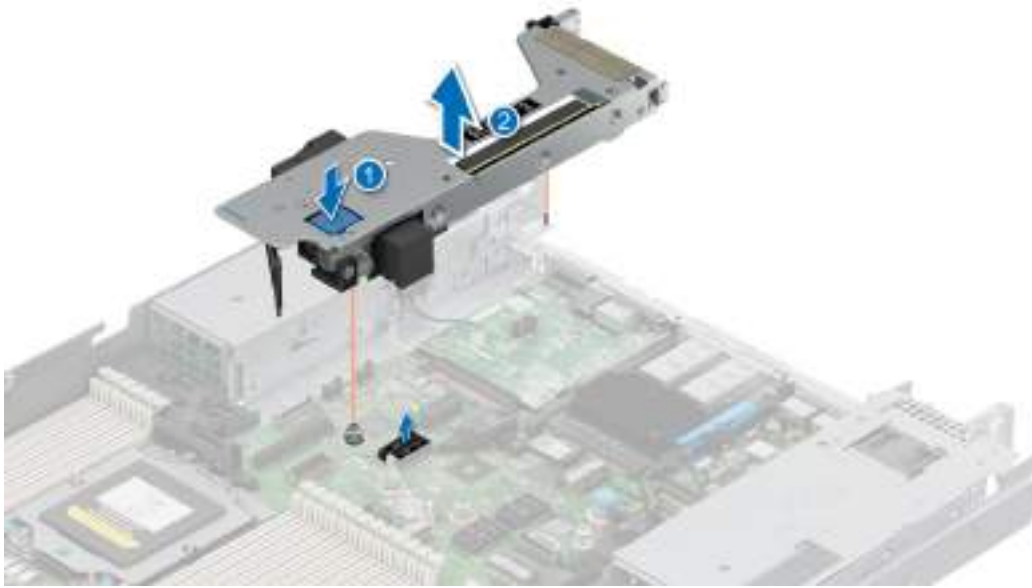


Figure 132. Removing the expansion card riser (Riser 3)

5. For Riser 4P, loosen the captive screw on the riser, and then press the blue release tab on the riser, and holding the touch point lift the expansion card riser from the riser connector on the system board.

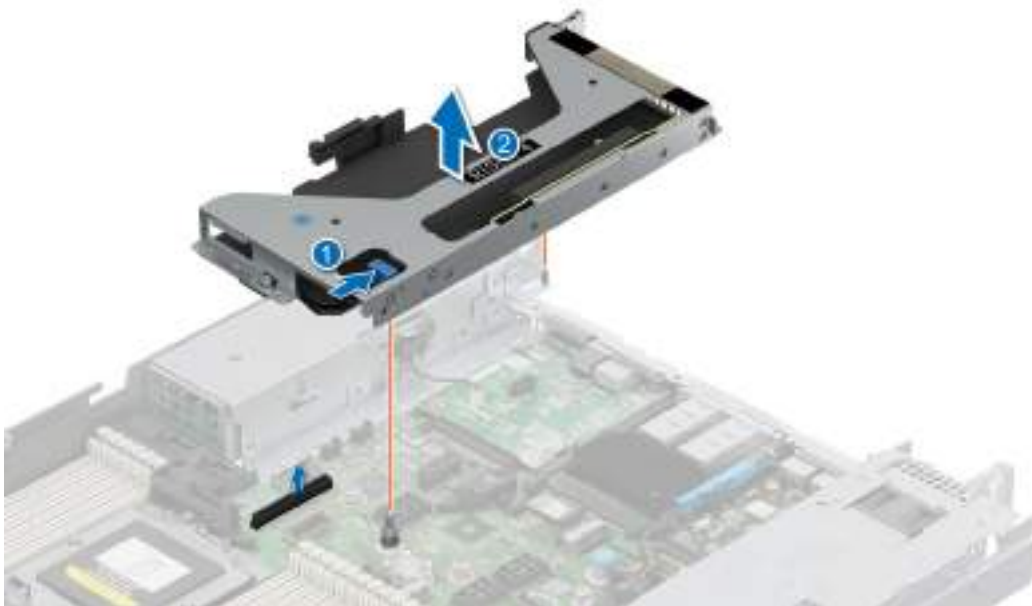


Figure 133. Removing the expansion card riser (Riser 4)

Next steps

1. [Replace the expansion card riser.](#)

Installing the expansion card risers

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).

3. If removed, [install the expansion cards into the expansion card risers](#).
4. Install the riser blanks if no riser cards are installed.

Steps

Installing Expansion Card Risers Blanks

1. If the risers are not going to be replaced, then install riser blanks, and if required tighten the captive screws.
 - Unlock the metal bracket latches on either sides.
 - Slide and align the metal brackets into place and lock the latches on both ends to secure it in place.
- NOTE:** You must install a filler bracket over an empty expansion card slot to maintain Federal Communications Commission (FCC) certification of the system. The brackets also keep dust and dirt out of the system and aid in proper cooling and airflow inside the system.



Figure 134. Installing the Riser 1 blank

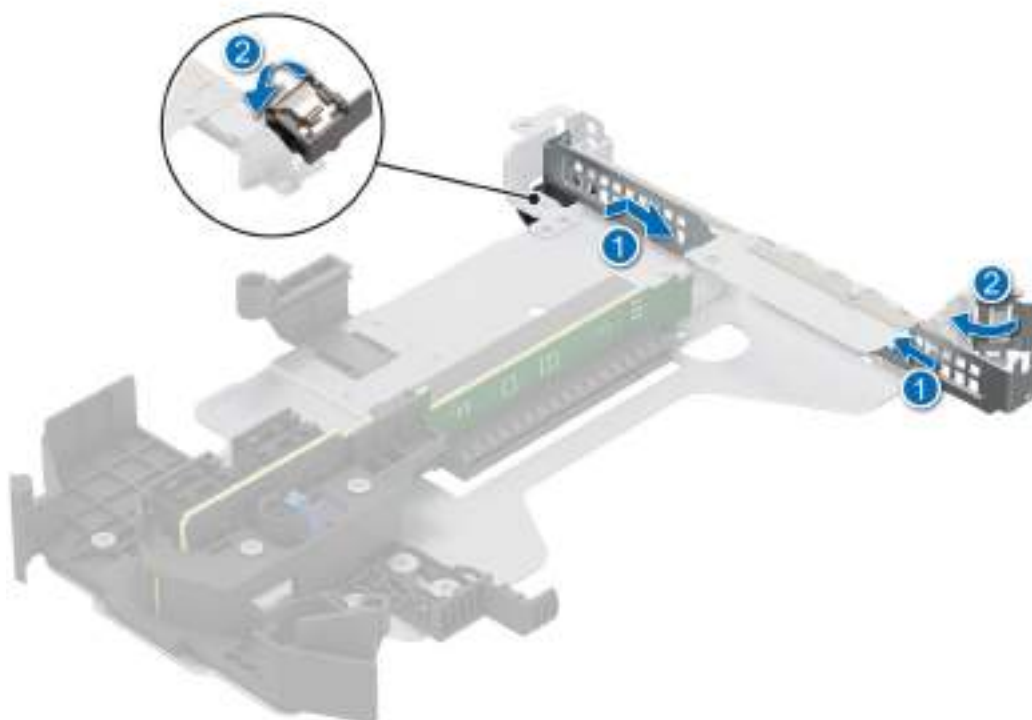


Figure 135. Installing the Riser 2 blank

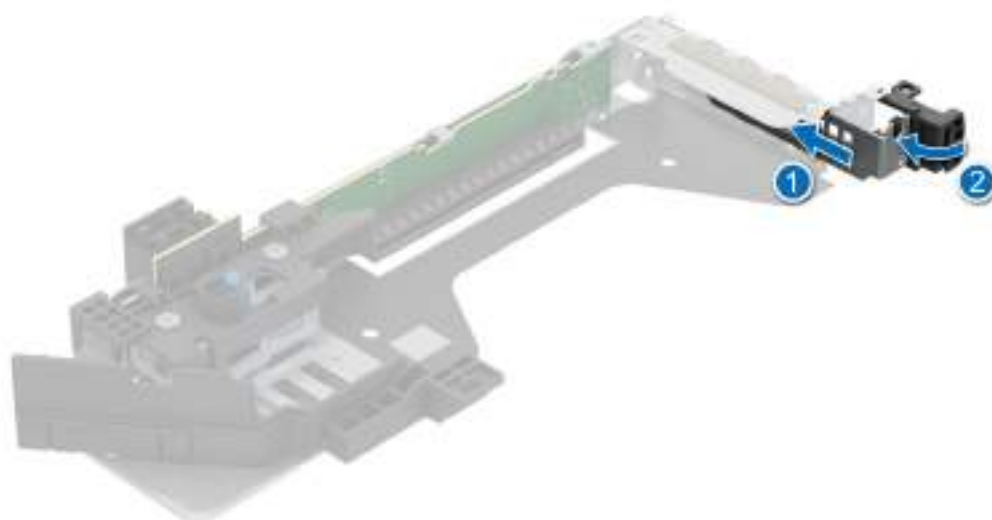


Figure 136. Installing the Riser 3 blank

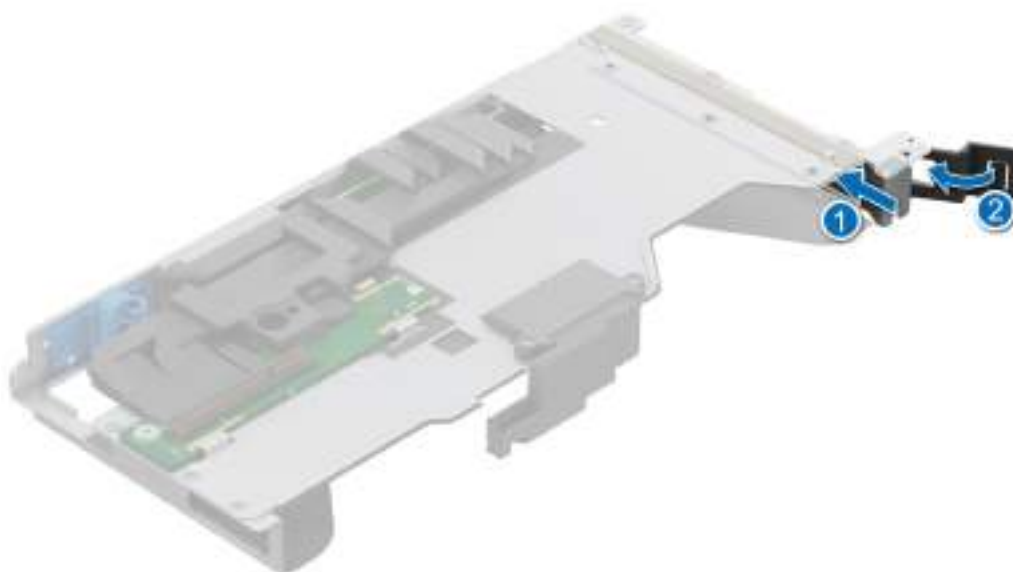


Figure 137. Installing the Riser 4 blank

Installing Expansion Card Risers

2. Holding the edges or the touch points, align the holes on the expansion card riser with the guides on the system board.
3. Lower the expansion card riser into place and press the touch points until the expansion card riser connector is fully seated on the system board connector.
4. Tighten the captive screws on the risers and system if any.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

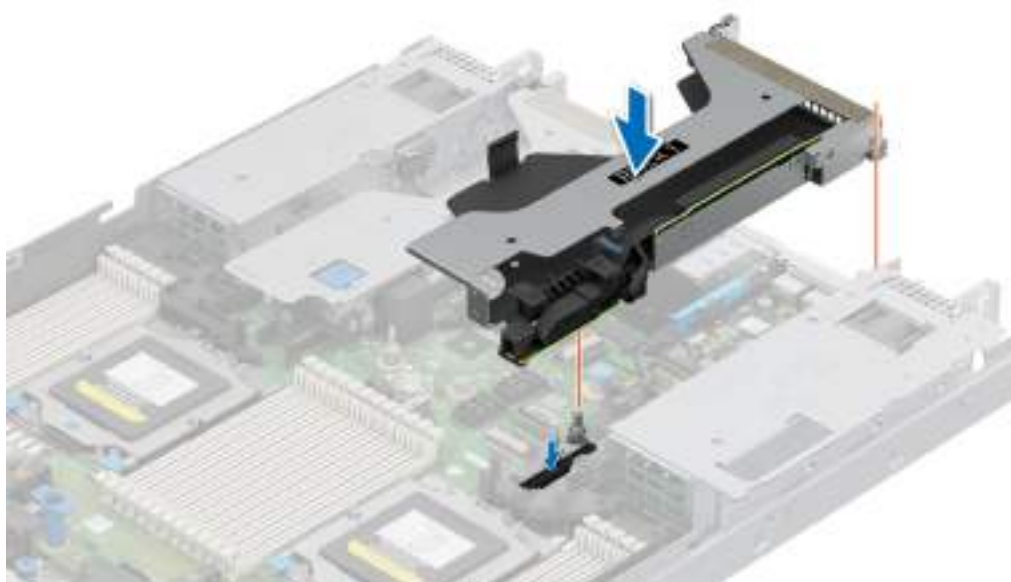


Figure 138. Installing the expansion card riser (Riser 1)

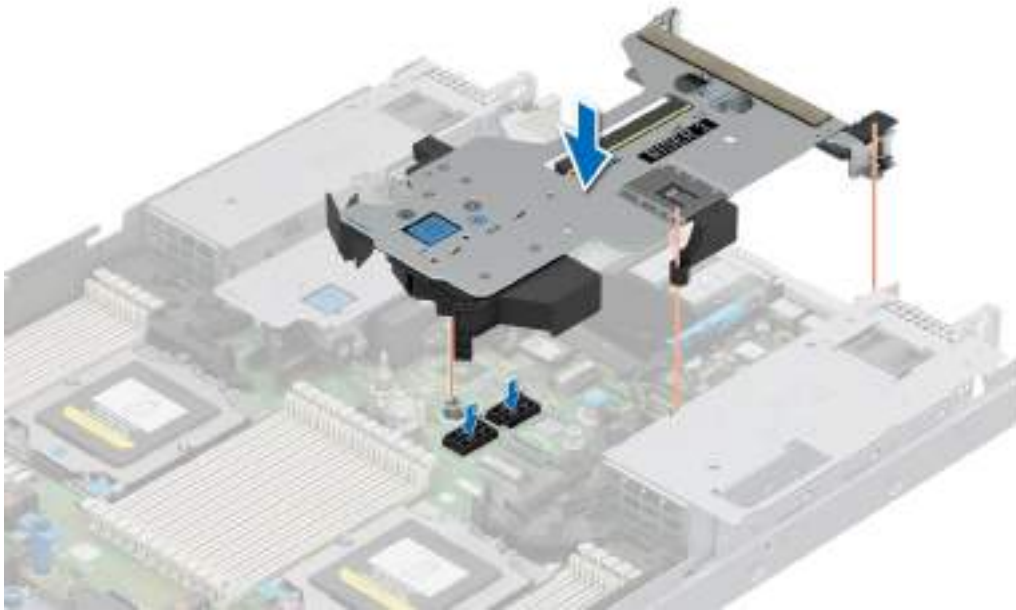


Figure 139. Installing the expansion card riser (Riser 2)

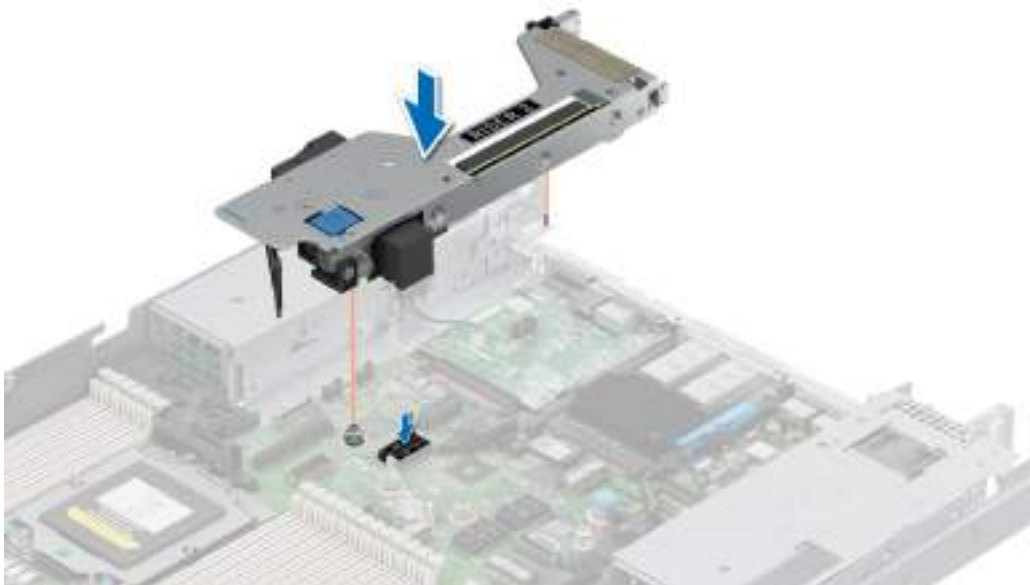


Figure 140. Installing the expansion card riser (Riser 3)

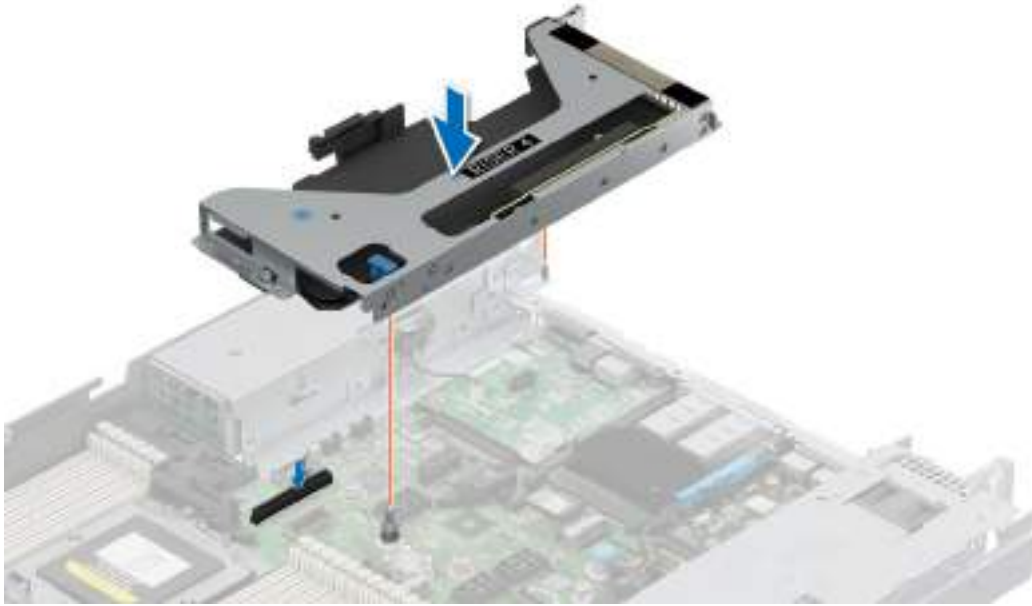


Figure 141. Installing the expansion card riser (Riser 4)

Next steps

1. If required, re-connect the cables to the expansion card.
2. Follow the procedure listed in [After working inside your system](#).
3. Install any device drivers required for the card as described in the documentation for the card.

Removing expansion card from the expansion card riser

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. If applicable, disconnect the cables from the expansion card.
4. [Remove the air shroud](#).
5. [Remove the expansion card riser](#).

Steps

1. Pull and lift the expansion card retention latch lock to open.
2. Pull the black card holder before removing the card from the riser.
3. Hold the expansion card by the edges, and pull the card until the card edge connector disengages from the expansion card connector on the riser.

 **NOTE:** The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.



Figure 142. Removing expansion card from the expansion card riser



Figure 143. Removing the Riser R4P which is of full-height

4. If the expansion card is not going to be replaced, install a filler bracket and close the card retention latch.



Figure 144. Installing the filler bracket

Next steps

1. If applicable, [install an expansion card into the expansion card riser](#).

Installing an expansion card into the expansion card riser

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).
3. If installing a new expansion card, unpack it and prepare the card for installation.

i **NOTE:** For instructions, see the documentation accompanying the card.

Steps

1. Pull and lift up the expansion card retention latch lock to open.
2. If installed, remove the filler bracket.

i **NOTE:** Store the filler bracket for future use. Filler brackets must be installed in empty expansion card slots to maintain Federal Communications Commission (FCC) certification of the system. The brackets also keep dust and dirt out of the system and aid in proper cooling and airflow inside the system.

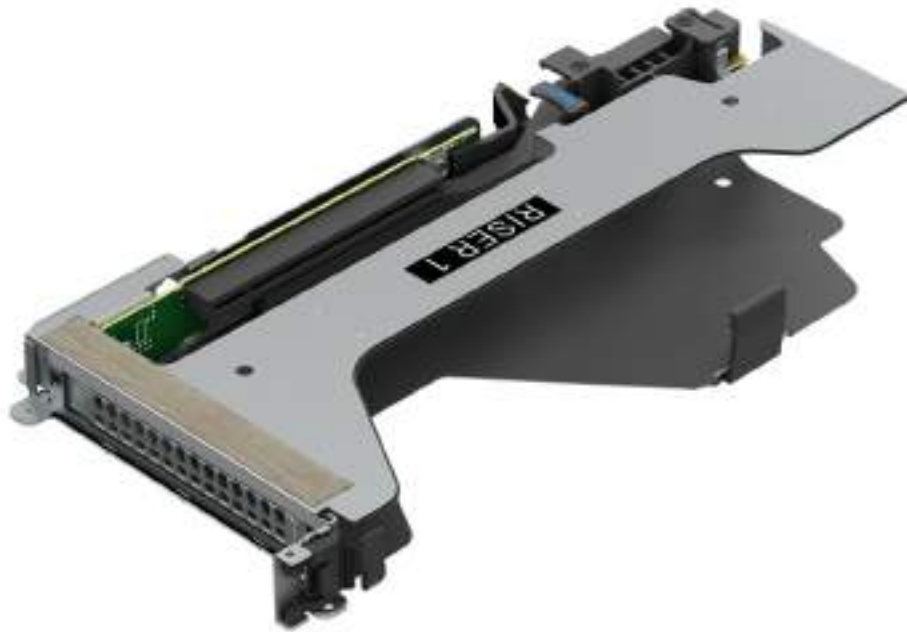


Figure 145. Removing the filler bracket

3. Hold the card by its edges, and align the card edge connector with the expansion card connector on the riser.
4. Insert the card edge connector firmly into the expansion card connector until the card is fully seated.
5. Close the expansion card retention latch.
6. Push the black card holder to hold the card in the riser.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.



Figure 146. Installing an expansion card into the expansion card riser



Figure 147. Installing the Riser R4P which is of full-height

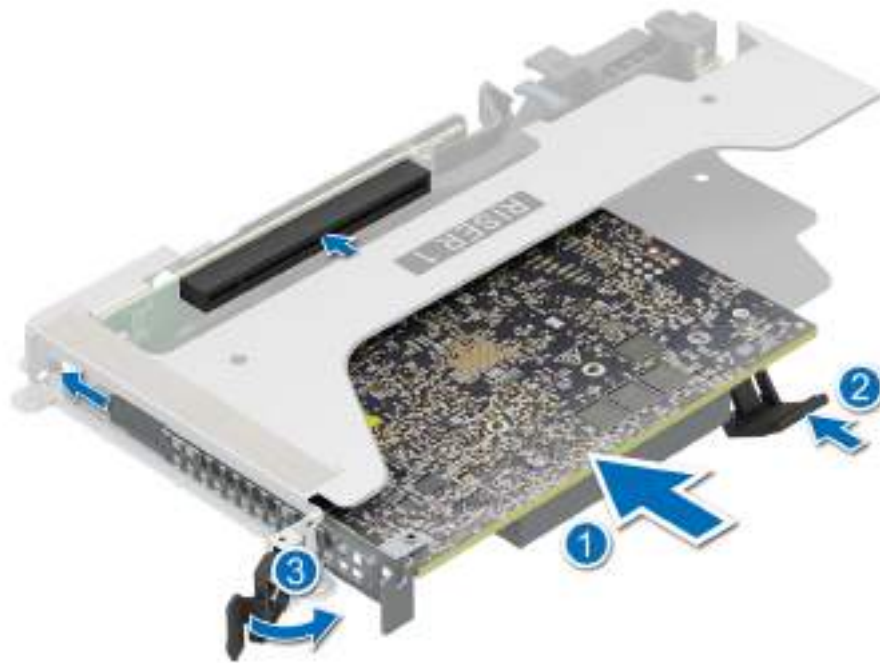


Figure 148. Installing an expansion card into the expansion card riser

Next steps

1. If applicable, connect the cables to the expansion card.
2. [Install the expansion card risers.](#)
3. [Install the air shroud](#)
4. Follow the procedure listed in [After working inside your system.](#)
5. Install any device drivers required for the card as described in the documentation for the card.

Optional serial COM port

Removing the serial COM port

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions.](#)
2. Follow the procedure listed in the [Before working inside your system.](#)

Steps

1. Disconnect the serial COM port cable from the connector on the rear I/O board.
2. Open the latch on the expansion card riser and slide the serial COM port out of the expansion card riser.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.



Figure 149. Removing the serial COM port

Next steps

1. [Replace the serial COM port.](#)

Installing the serial COM port

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).
3. Disconnect the serial COM port cable from the connector on the rear I/O board.

Steps

1. Open the latch on the expansion card riser and remove the filler bracket from the expansion card riser (Riser 3).

NOTE: For more information about how to remove the filler bracket, see the [Removing the expansion card from the expansion card riser](#) topic.

2. Slide the serial COM port into the expansion card riser.
3. Connect the serial COM port cable to the serial port.
4. Connect the serial COM port cable to the connector on the rear I/O board.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.



Figure 150. Installing the serial COM port

Next steps

1. [Install the expansion card riser.](#)
2. Follow the procedure listed in [After working inside your system.](#)

BOSS N1 module

Removing the BOSS card filler

Prerequisites

Follow the safety guidelines listed in the [Safety instructions.](#)

Steps

Loosen the screw and use a screwdriver to push out the blank from the BOSS-N1 module bay.



Figure 151. Removing the BOSS filler

Press and pull the BOSS card filler out from the BOSS N1 controller card module bay.

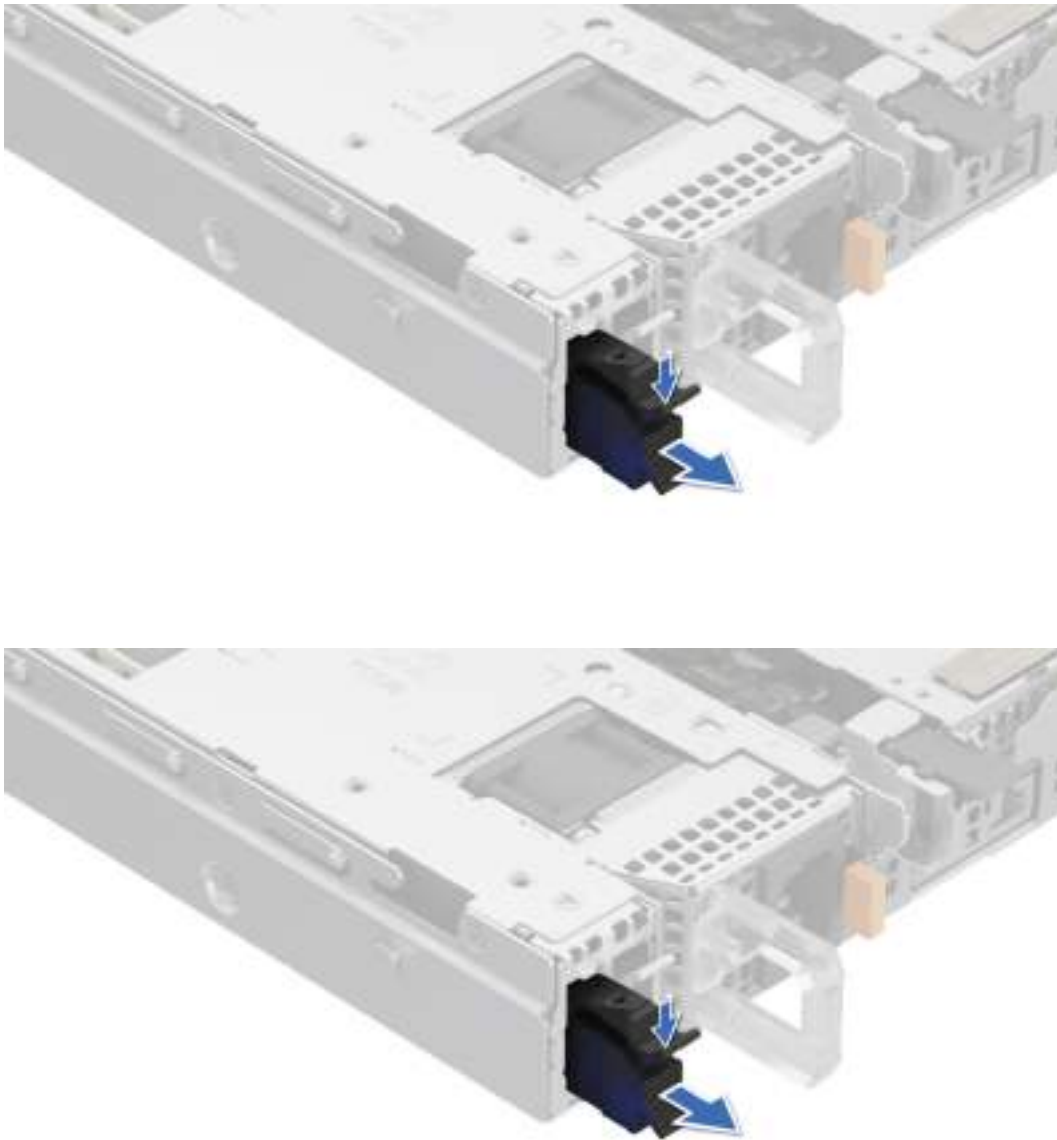


Figure 152. Removing the BOSS module filler

Next steps

1. Replace the BOSS card blank or BOSS-N1 card module.

Installing the BOSS card filler

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).

Steps

Align the BOSS card blank with the BOSS-N1 controller card module bay and push it into the bay until it clicks into place. Tighten the screw and secure.



Figure 153. Installing the BOSS filler

Align the BOSS card filler with the BOSS N1 controller card module bay and push it into the bay until it clicks into place.



Figure 154. Installing the BOSS module filler

Removing the BOSS-N1 module

The procedure to remove is the BOSS-N1 module with 2 x 2.5-inch rear drive module is similar.

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).

Steps

1. Pull and lift the BOSS-N1 card carrier retention latch lock to open.

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

2. Slide the BOSS-N1 card carrier out.



Figure 155. Removing the BOSS-N1 card carrier

3. Using the Phillips #1 screwdriver remove the M3 x 0.5 x 4.5 mm screw that secures the M.2 SSD to the BOSS-N1 card carrier.
4. Slide the M.2 SSD out from the BOSS-N1 card carrier.



Figure 156. Removing the M.2 SSD

5. Disconnect the BOSS-N1 power and signal cable from the system board.
6. Using the Phillips #1 screwdriver remove the M3 x 0.5 x 4.5 mm screw that secures the BOSS-N1 module on Riser 1.
7. Slide the BOSS-N1 module towards the front of the chassis and lift the module.



Figure 157. Removing the BOSS-N1 module

8. Press the metal clip to remove the BOSS-N1 signal cable from the BOSS-N1 module.



Figure 158. Removing the BOSS-N1 power and signal cable from the BOSS-N1 module

Next steps

1. [Replace the BOSS-N1 module](#) or [Install the BOSS-N1 module blank](#).

Installing the BOSS-N1 module

The procedure to install is the BOSS-N1 module with 2 x 2.5-inch rear drive module is similar.

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. If installed, [remove the BOSS module blank](#).

Steps

1. Connect the BOSS-N1 power and signal cables to the connectors on the BOSS-N1 module.



Figure 159. Connecting the BOSS-N1 power and signal cables to the BOSS-N1 module

NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

2. Align the BOSS-N1 module at an angle with the controller card module slot.
3. Insert the BOSS-N1 module and push the module horizontally towards the rear of the system until firmly seated.
4. Using the Phillips #1 screwdriver, secure the BOSS-N1 module with the M3 x 0.5 x 4.5 mm screw.
5. Connect the BOSS-N1 power and signal cable to the connectors on the system board.

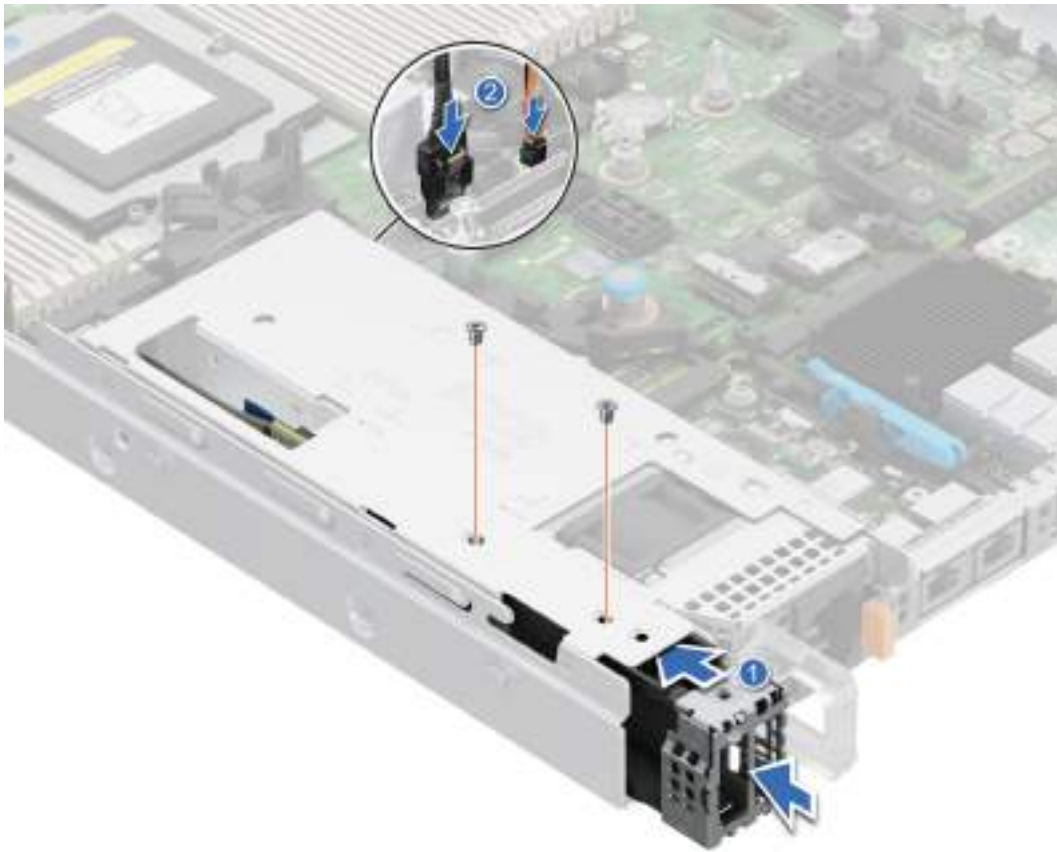


Figure 160. Installing the BOSS-N1 module

6. Align the M.2 SSD at an angle with the BOSS-N1 card carrier.
7. Insert the M.2 SSD until it is firmly seated in the BOSS-N1 card carrier.
8. Using the Phillips #1 screwdriver, secure the M.2 SSD on the BOSS-N1 card carrier with the M3 x 0.5 x 4.5 mm screw.



Figure 161. Installing the M.2 SSD

9. Slide the BOSS-N1 card carrier into the BOSS-N1 module slot.
10. Close the BOSS-N1 card carrier release latch to lock the carrier in place.

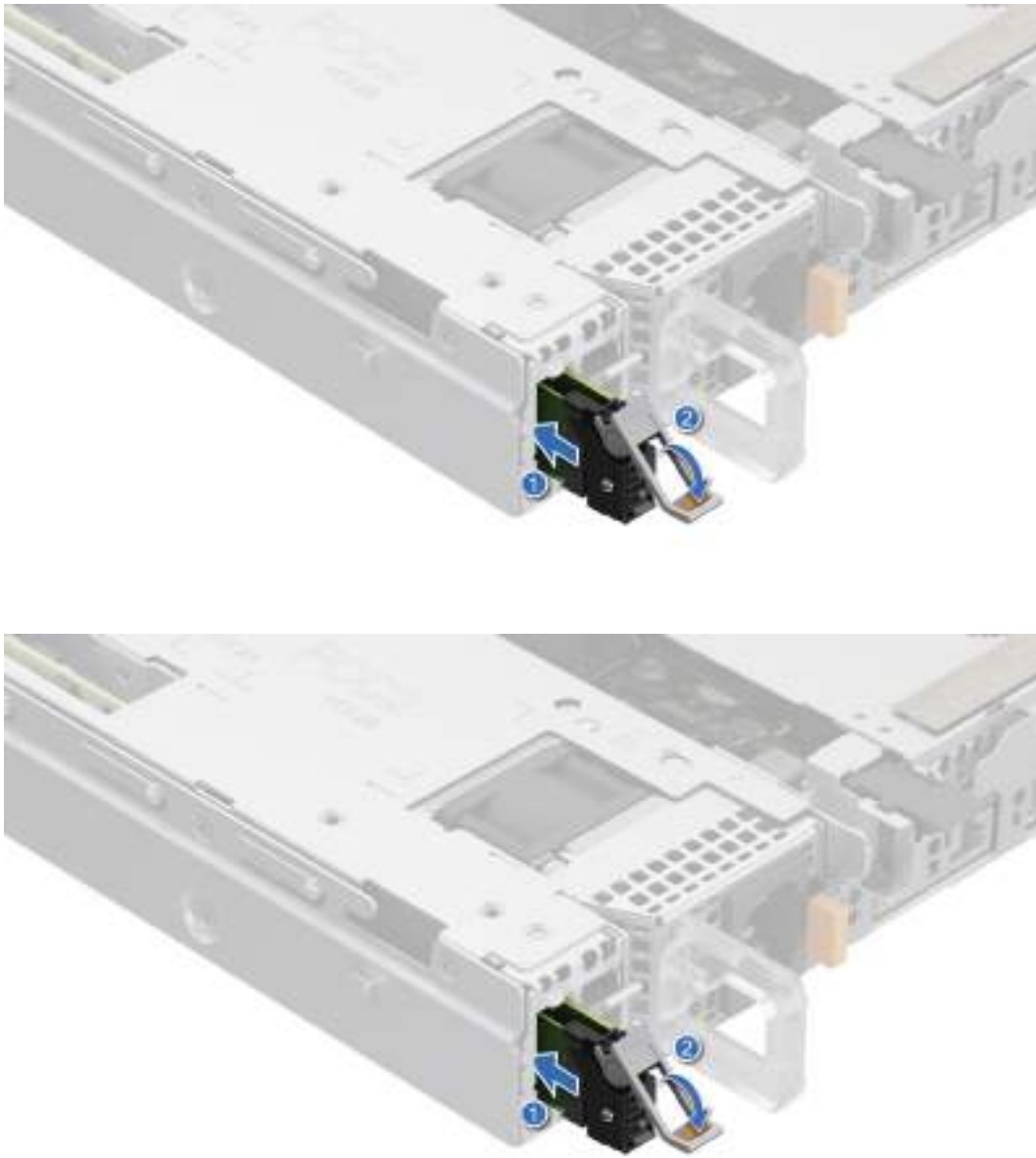


Figure 162. Installing the BOSS-N1 card carrier

Next steps

1. Follow the procedure listed in the [After working inside your system.](#)

M.2 SSD module on BOSS-N1 adapter card

Removing the M.2 SSD module

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions.](#)
2. Follow the procedure listed in the [Before working inside your system.](#)
3. Remove the BOSS card. The BOSS card removal is similar to [removing expansion card from the expansion card riser.](#)

Steps

1. Using the Phillips #1 screwdriver, remove the screws securing the M.2 SSD module to the BOSS card.
2. Pull the M.2 SSD module to disconnect from the BOSS card connector.

 **NOTE:** The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.



Figure 163. Removing the M.2 SSD module

Next steps

1. [Replace the M.2 SSD module.](#)

Installing the M.2 SSD module

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. Remove the BOSS card. Removing BOSS card is similar to [removing expansion card from the expansion card riser](#).

Steps

1. Align the M.2 SSD module at an angle with the BOSS card connector.
2. Insert the M.2 SSD module until it is firmly seated in the BOSS card connector.
3. Using the Phillips #1 screwdriver, secure the M.2 SSD module on the BOSS card with the screw.



Figure 164. Installing the M.2 SSD module

Next steps

1. Install the BOSS card. Installing the BOSS is similar to [installing expansion card into the expansion card riser](#).
2. Follow the procedure listed in the [After working inside your system](#).

System battery

This is a service technician replaceable part only.

Replacing the system battery

Prerequisites

⚠ WARNING: There is a danger of a new battery exploding if it is incorrectly installed. Replace the battery only with the same or equivalent type that is recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions. See the Safety instructions that came with your system for more information.

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. If applicable, disconnect the power or data cables from the expansion cards.
4. [Remove the expansion card risers](#).

Steps

1. Press and hold the battery socket retention latch, for the battery to pop out.

i NOTE: If the battery does not pop out, then lift it out of the socket.

⚠ CAUTION: To avoid damage to the battery connector, you must firmly support the connector while installing or removing a battery.

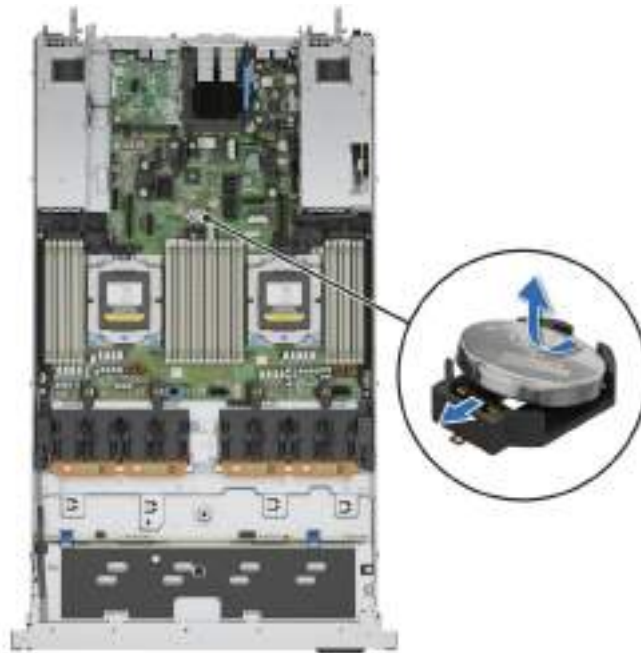


Figure 165. Removing the system battery

2. To install a new system battery:
 - a. Hold the battery with the positive side facing up at an angle and slide it under the battery socket latch.
 - b. Press the battery into the connector until it snaps into place.

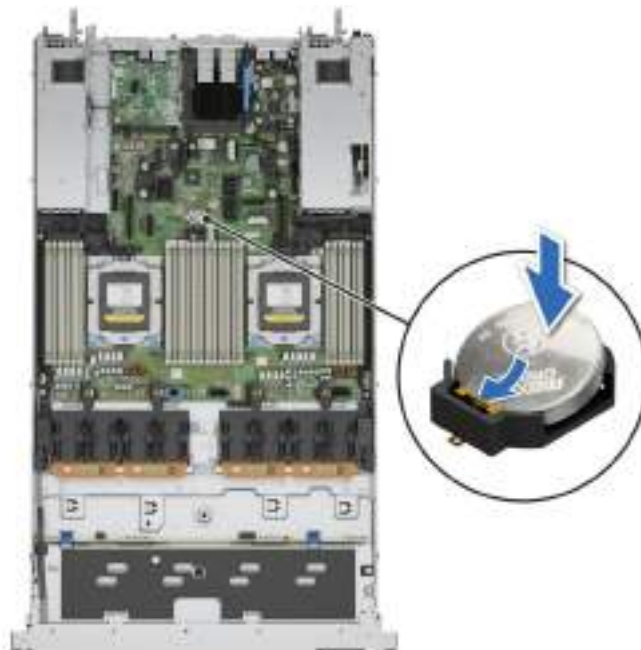


Figure 166. Installing the system battery

Next steps

1. [Install the expansion card risers.](#)
2. If applicable, connect the cables to one or more expansion cards.
3. Follow the procedure listed in [After working inside your system.](#)
4. Confirm that the battery is operating properly, by performing the following steps:
 - a. Enter the System Setup, while booting, by pressing F2.

- b. Enter the correct time and date in the System Setup **Time** and **Date** fields.
- c. **Exit** the System Setup.
- d. To test the newly installed battery, check the time and date at least an hour after installing the battery.
- e. Enter the System Setup and if the time and date are still incorrect, see [Getting help](#) section.

Optional internal USB card

 **NOTE:** To locate the internal USB port on the system board, see the [System board jumpers and connectors](#) section.

Removing the internal USB card

Prerequisites

 **CAUTION:** To avoid interference with other components in the server, the maximum permissible dimensions of the USB memory key are 15.9 mm wide x 57.15 mm long x 7.9 mm high.

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. [Remove the expansion card risers](#).

Steps

1. Holding the blue tag, lift the internal USB card to disconnect from the connector on the system board.
2. Remove the USB memory key from the internal USB card.

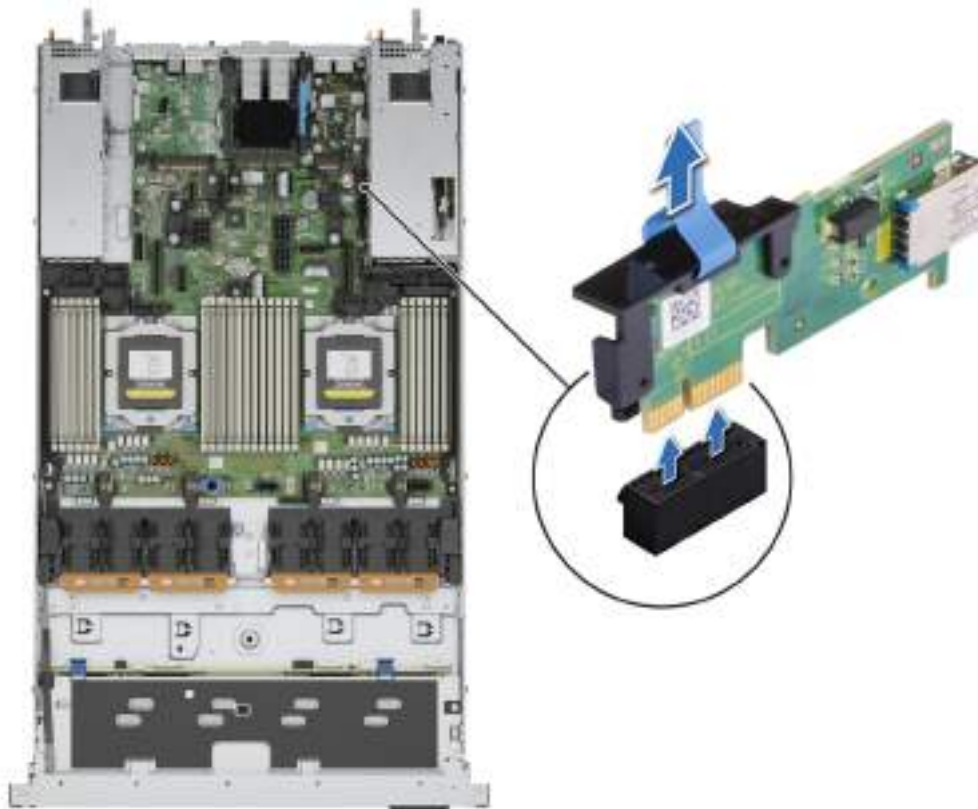


Figure 167. Removing the internal USB card

Next steps

1. [Replace the internal USB card](#).

Installing the internal USB card

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).
3. [Remove the expansion card risers](#).

Steps

1. Connect the USB key to the internal USB card.
2. Align the internal USB card with the connector on the system board and press firmly until the internal USB card is seated.

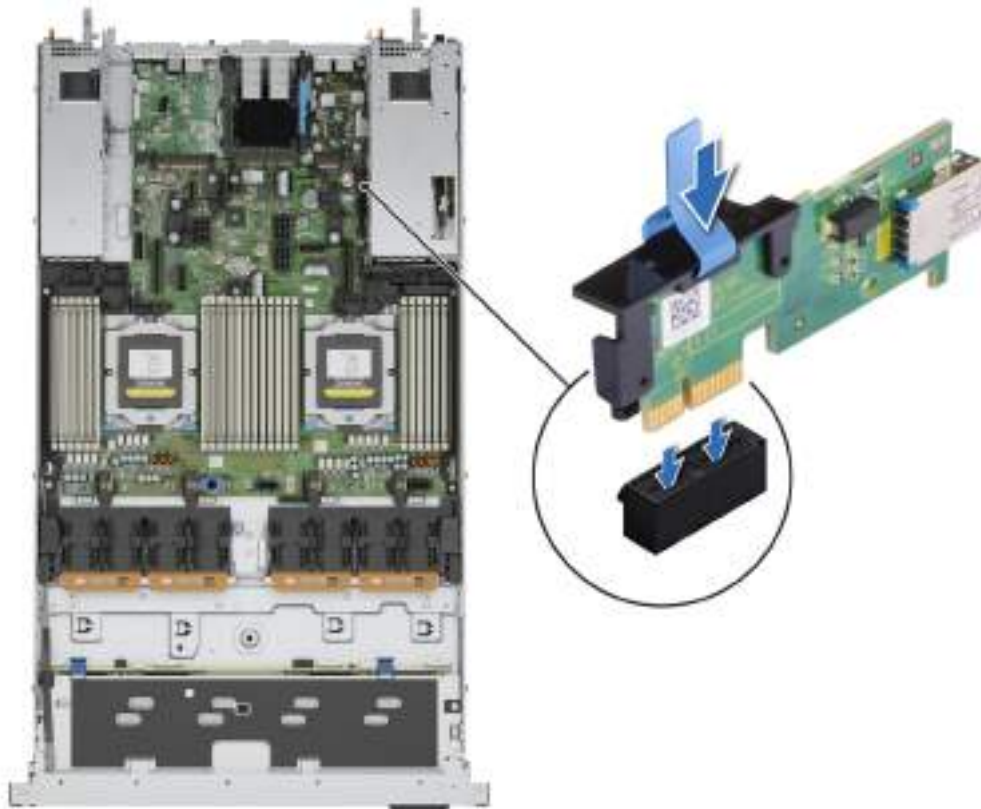


Figure 168. Installing the internal USB card

Next steps

1. [Install the expansion card risers](#).
2. Follow the procedure listed in [After working inside your system](#).
3. While booting, press F2 to enter **System Setup** and verify that the system detects the USB memory key.

Intrusion switch

This is a service technician replaceable part only.

Removing the intrusion switch module

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).

2. Follow the procedure listed in the [Before working inside your system](#).
3. [Remove the expansion card riser](#).

i NOTE: Ensure that you note the routing of the cable as you remove it from the system board. Route the cable properly when you replace it to prevent the cable from being pinched or crimped.

Steps

1. Disconnect the intrusion switch cable from the connector on the rear I/O board.
2. Using a Phillips #1 screwdriver, loosen the screw on the intrusion switch module.
3. Slide the intrusion switch module out of the slot on the system.

i NOTE: The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.

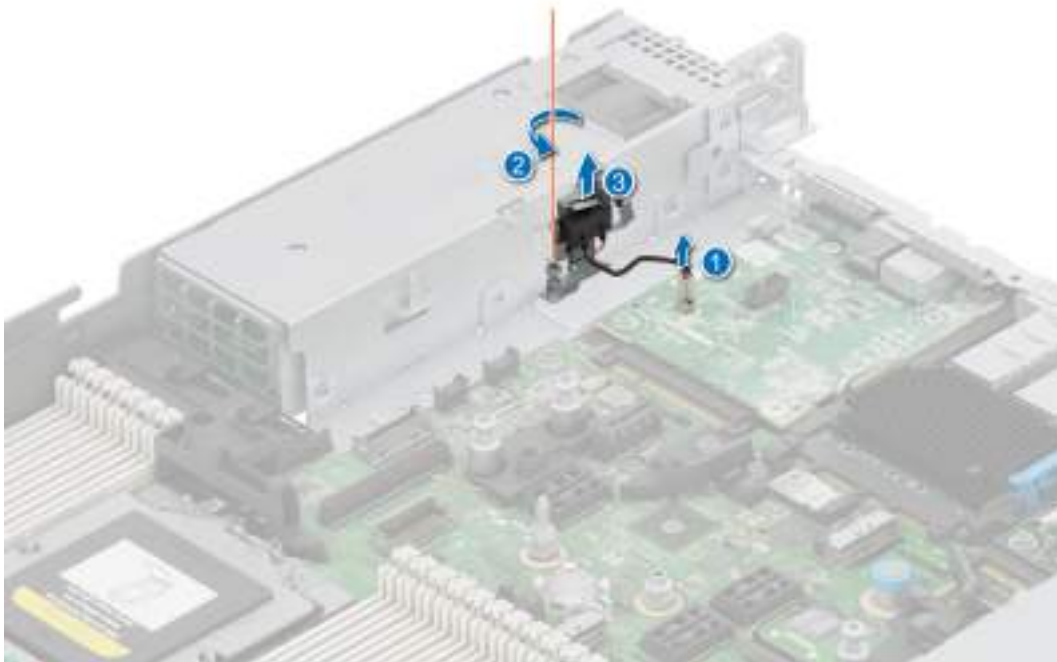


Figure 169. Removing the intrusion switch module

Next steps

1. [Replace the intrusion switch module](#).

Installing the intrusion switch module

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).
3. [Remove the expansion card riser](#).

i NOTE: Ensure that you note the routing of the cable as you remove it from the system board. Route the cable properly when you replace it to prevent the cable from being pinched or crimped.

Steps

1. Align and slide the intrusion switch module into the slot in the system until firmly seated.

2. Using a Phillips #1 screwdriver, tighten the screw on the intrusion switch module.
3. Connect the intrusion switch cable to the connector on the rear I/O board.

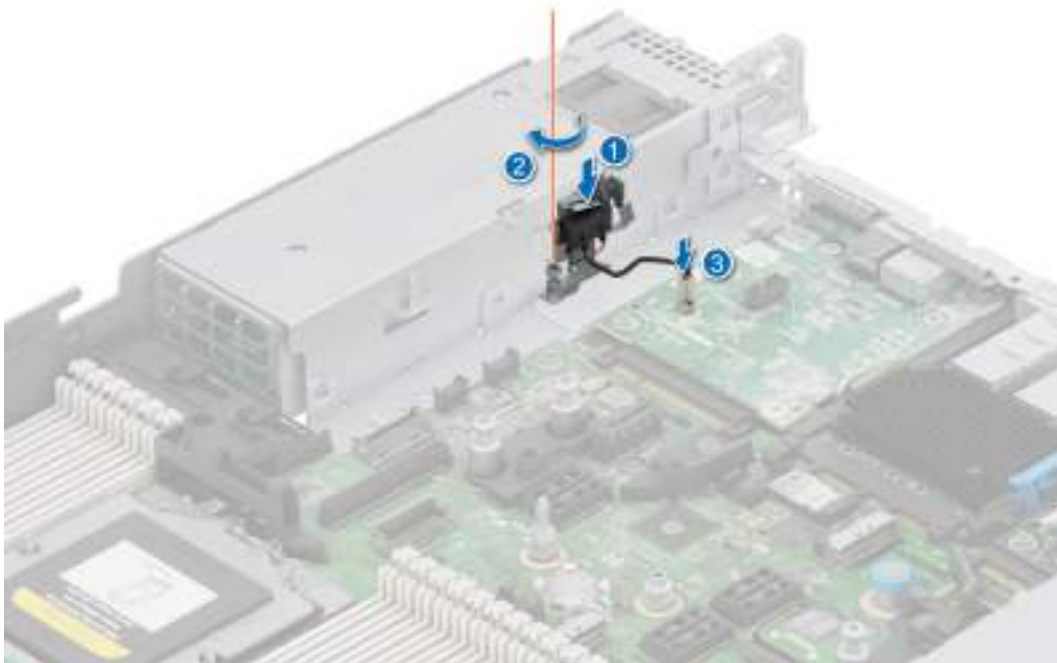


Figure 170. Installing the intrusion switch module

Next steps

1. [Install the expansion card riser.](#)
2. Follow the procedure listed in [After working inside your system.](#)

Optional OCP card

Removing the OCP card

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions.](#)
2. Follow the procedure listed in the [Before working inside your system.](#)
3. [Remove the expansion card riser.](#)

Steps

1. Open the blue latch to disengage the OCP card.
2. Push the OCP card towards the rear end of the system to disconnect from the connector on the system board.
3. Slide the OCP card out of the slot on the system.



Figure 171. Removing the OCP card

4. If the OCP card is not going to be replaced, install a filler bracket .

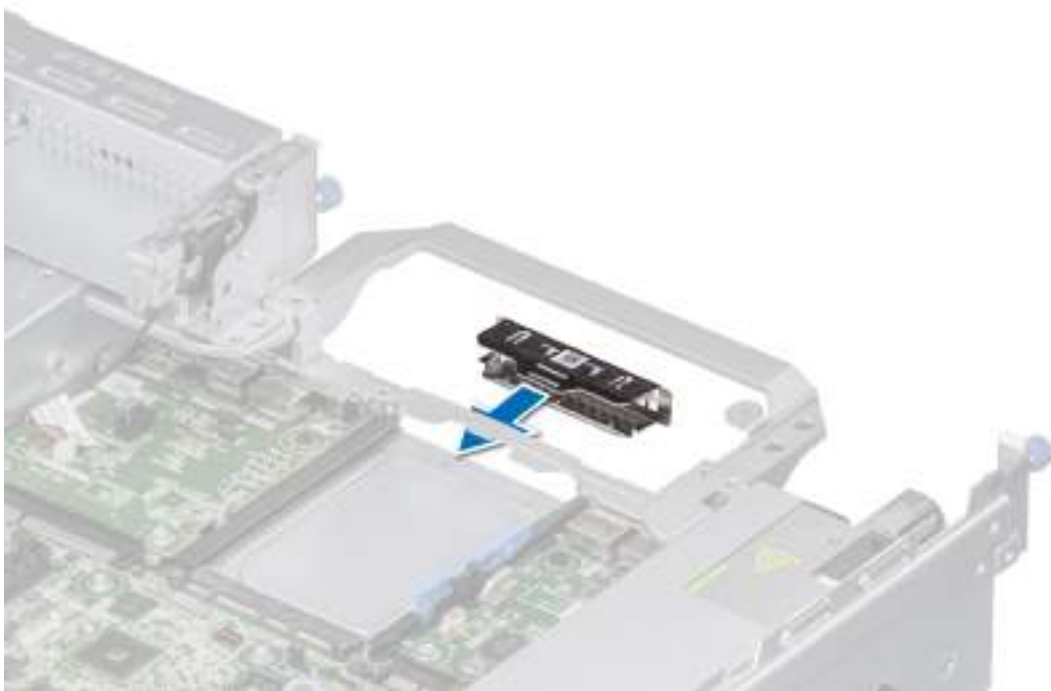


Figure 172. Installation of filler bracket

Next steps

1. [Replace the OCP card.](#)

Installing the OCP card

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. [Remove the expansion card riser](#).

Steps

1. If installed, remove the filler bracket.



Figure 173. Removal of filler bracket

2. Open the blue latch on the system board.
3. Slide the OCP card into the slot in the system.
4. Push until the OCP card is connected to the connector on the system board.
5. Close the latch to lock the OCP card to the system.

 **NOTE:** The numbers on the image do not depict the exact steps. The numbers are for representation of sequence.



Figure 174. Installing the OCP card

Next steps

1. [Install the expansion card riser](#)
2. Follow the procedure listed in [After working inside your system](#).

Power supply unit

NOTE: While replacing the hot swappable PSU, after next server boot; the new PSU automatically updates to the same firmware and configuration of the replaced one. For updating to the latest firmware and changing the configuration, see the *Lifecycle Controller User's Guide* at [iDRAC Manuals](#).

NOTE: For information about DC PSU cabling instructions, go to [PowerEdge Manuals](#) > **Rack Servers** > PowerEdge R6625 > **Select This Product** > **Documentation** > **Manuals and Documents** > Cabling instructions for – 48 – 60 V DC power supply.

Hot spare feature

Your system supports the hot spare feature that significantly reduces the power overhead associated with the power supply unit (PSU) redundancy.

When the hot spare feature is enabled, one of the redundant PSUs is switched to the sleep state. The active PSU supports 100 percent of the system load, thus operating at higher efficiency. The PSU in the sleep state monitors output voltage of the active PSU. If the output voltage of the active PSU drops, the PSU in the sleep state returns to an active output state.

If having both PSUs active is more efficient than having one PSU in the sleep state, the active PSU can also activate the sleeping PSU.

The default PSU settings are as follows:

- If the load on the active PSU is more than 50 percent of PSU rated power wattage, then the redundant PSU is switched to the active state.
- If the load on the active PSU falls below 20 percent of PSU rated power wattage, then the redundant PSU is switched to the sleep state.

You can configure the hot spare feature by using the iDRAC settings. For more information, see the *iDRAC User's Guide* available at [PowerEdge Manuals](#).

Removing a power supply unit blank

Prerequisites

Follow the safety guidelines listed in the [Safety instructions](#).

Steps

Pull the blank out of the system.

CAUTION: To ensure proper system cooling, the PSU blank must be installed in the second PSU bay in a non-redundant configuration. Remove the PSU blank only if you are installing a second PSU.



Figure 175. Removing a power supply unit blank

Next steps

1. [Replace the PSU blank](#) or [install the PSU](#).

Installing a power supply unit blank

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).

NOTE: Install the power supply unit (PSU) blank only in the second PSU bay.

2. If required, [Remove the PSU](#).

Steps

Align the PSU blank with the PSU bay and push it into the PSU bay until it clicks into place.



Figure 176. Installing a power supply unit blank

Removing a power supply unit

Prerequisites

CAUTION: The system requires one power supply unit (PSU) for normal operation. On power-redundant systems, remove and replace only one PSU at a time in a system that is powered on.

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Disconnect the power cable from the power outlet and from the PSU that you intend to remove.
3. Remove the cable from the strap on the PSU handle.
4. Unlatch and lift or remove the optional cable management accessory if it interferes with the PSU removal.

NOTE: For information about the cable management when the PSU is removed or installed while the system is in a rack, see the system's cable management arm documentation at [PowerEdge Manuals](#).

Steps

Press the release latch and holding the PSU handle, slide the PSU out of the bay.



Figure 177. Removing a power supply unit

Next steps

1. [Replace the PSU](#) or [install the PSU blank](#).

Installing a power supply unit

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. For systems that support redundant PSU, ensure that both the PSUs are of the same type and have the same maximum output power.

NOTE: The maximum output power (shown in watts) is listed on the PSU label.

3. If required, [Remove the PSU blank](#).

Steps

Slide the PSU into the PSU bay until the release latch snaps into place.



Figure 178. Installing a power supply unit

Next steps

1. If you have unlatched or removed the cable management accessory, reinstall or relatch it. For information about the cable management when the PSU is removed or installed while the system is in the rack, see the system's cable management accessory documentation at [PowerEdge Manuals](#).
2. Connect the power cable to the PSU, and plug the cable into a power outlet.

CAUTION: When connecting the power cable to the PSU, secure the cable to the PSU with the strap.

NOTE: When installing hot swapping, or hot adding a new PSU, wait for 15 seconds for the system to recognize the PSU and determine its status. The PSU redundancy may not occur until discovery is complete. The PSU status indicator turns green to indicate that the PSU is functioning properly.

Trusted Platform Module

This is a service technician replaceable part only.

Upgrading the Trusted Platform Module

Removing the TPM

Prerequisites



NOTE:

- Ensure the operating system is compatible with the TPM version you are installing.
- Ensure that you download and install the latest BIOS firmware on your system.
- Ensure that the BIOS is configured to enable UEFI boot mode.



CAUTION: The TPM plug-in module is cryptographically bound to that particular system board after it is installed. When the system is powered on, any attempt to remove an installed TPM plug-in module breaks the cryptographic binding, and the removed TPM cannot be installed on another system board. Ensure any keys you have stored on the TPM have been securely transferred.

Steps

1. Locate the TPM connector on the system board.
2. Press to hold the module down and remove the screw using the security Torx 8-bit shipped with the TPM module.
3. Slide the TPM module out from its connector.
4. Push the plastic rivet away from the TPM connector and rotate it 90° counterclockwise to release it from the system board.
5. Pull the plastic rivet out of its slot on the system board.

Installing the TPM

Steps

1. To install the TPM, align the edge connectors on the TPM with the slot on the TPM connector.
2. Insert the TPM into the TPM connector such that the plastic rivet aligns with the slot on the system board.
3. Press the plastic rivet until the rivet snaps into place.
4. Replace the screw that secures the TPM to the system board.

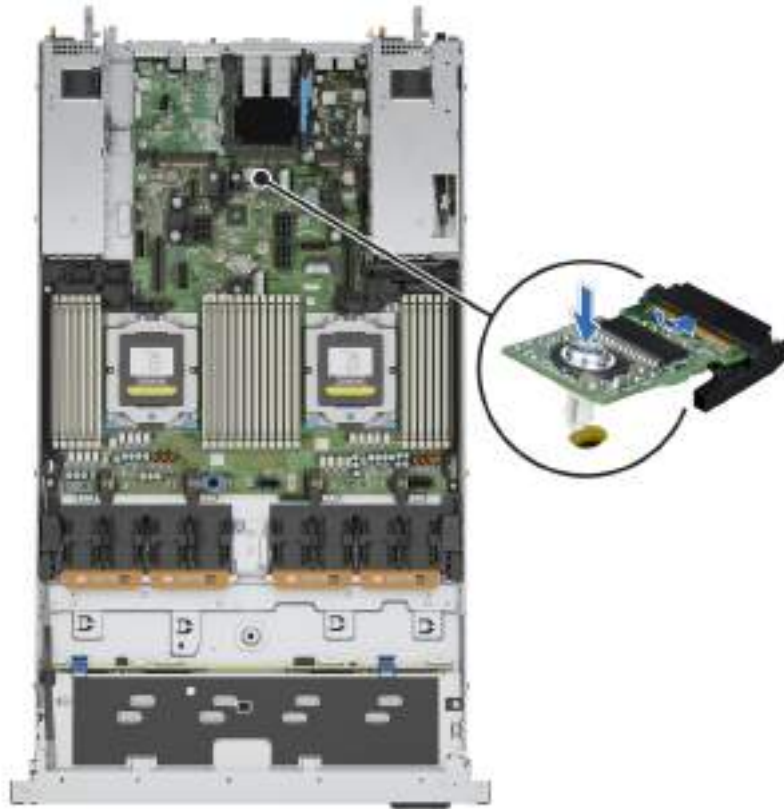


Figure 179. Installing the TPM

Initializing TPM for users

Steps

1. Initialize the TPM.
2. The **TPM Status** changes to **Enabled, Activated**.

Initializing the TPM 2.0 for users

Steps

1. While booting your system, press F2 to enter System Setup.
2. On the **System Setup Main Menu** screen, click **System BIOS > System Security Settings**.
3. From the **TPM Security** option, select **On**.
4. Save the settings.
5. Restart your system.

System board

Removing the system board

Prerequisites

 **CAUTION:** If you are using the Trusted Platform Module (TPM) with an encryption key, you may be prompted to create a recovery key during program or System Setup. Be sure to create and safely store this recovery key. If you replace this system board, you must supply the recovery key when you restart your system or program before you can access the encrypted data on your drives.

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. Remove the following components:
 - a. [Air shroud \(if installed\)](#).
 - b. [Cooling fans](#).
 - c. [Heat sink](#).
 - d. [Processor](#).
 - e. [Memory modules](#).
 - f. [Expansion card risers](#).
 - g. [Internal USB card \(if installed\)](#).
 - h. [OCP card \(if installed\)](#).
 - i. [Power supply units \(PSU\)](#).
 - j. Disconnect all cables from the system board.

 **CAUTION:** Take care not to damage the system identification button while removing the system board from the system.

Steps

1. Using the system board holder and plunger, slide the system board towards the front of the system.
2. Lift the system board out of the chassis.



Figure 180. Removing the system board

Next steps

1. [Install the system board.](#)

Installing the system board

Prerequisites

NOTE: Before replacing the system board, replace the old iDRAC MAC address label in the Information tag with the iDRAC MAC address label of the replacement system board

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in [Before working inside your system](#).
3. If you are replacing the system board, remove all the components that are listed in the removing the system board section.

Steps

1. Unpack the new system board assembly.

CAUTION: Do not lift the system board by holding a memory module, processor, or other components.

CAUTION: Take care not to damage the system identification button while placing the system board into the chassis.

2. [Install LOM Card](#) on the system board if necessary.
3. Holding the system board holder and plunger, lower the system board into the system.
4. Slide the system board towards the rear of the chassis until the connectors are firmly seated in the slots.



Figure 181. Installing the system board

Next steps

1. Replace the following components:
 - a. [Trusted Platform Module \(TPM\)](#).

NOTE: The TPM Module must be replaced only while installing new system board.

- b. [Internal USB card \(if installed\)](#)
 - c. [Expansion card risers](#).
 - d. [Power supply units \(PSU\)](#).
 - e. [OCP card \(if installed\)](#).
 - f. [Processor](#).
 - g. [Heat sink](#).
 - h. [Memory modules](#).
 - i. [Cooling fans](#).
 - j. [Air shroud \(if installed\)](#).
2. Reconnect all cables to the system board.

NOTE: Ensure that the cables inside the system are routed along the chassis wall and secured using the cable securing bracket.

3. Ensure that you perform the following steps:
 - a. Use the Easy Restore feature to restore the Service Tag. See the [Restoring the system by using the Easy Restore feature](#) section.
 - b. If the service tag is not backed up in the backup flash device, enter the system service tag manually. See the [Manually update the Service Tag by using System Setup](#) section.
 - c. Update the BIOS and iDRAC versions. Reenable the Trusted Platform Module (TPM). See the [Upgrading the Trusted Platform Module](#) section.

Restoring the system using Easy Restore

The Easy Restore feature enables you to restore your service tag, license, UEFI configuration, and the system configuration data after replacing the system board. All data is backed up in a backup flash device automatically. If BIOS detects a new system board, and the service tag in the backup flash device, BIOS prompts the user to restore the backup information.

About this task

Below is a list of options/steps available:

Steps

1. Restore the service tag, license, and diagnostics information, press **Y**
2. Navigate to the Lifecycle Controller based restore options, press **N**
3. Restore data from a previously created **Hardware Server Profile**, press **F10**

 **NOTE:** When the restore process is complete, BIOS prompts to restore the system configuration data.

4. Restore data from a previously created **Hardware Server Profile**, press **F10**
5. To restore the system configuration data, press **Y**
6. To use the default configuration settings, press **N**

 **NOTE:** After the restore process is complete, system reboots.

Manually update the Service Tag

After replacing a system board, if Easy Restore fails, follow this process to manually enter the Service Tag, using **System Setup**.

About this task

If you know the system service tag, use the **System Setup** menu to enter the service tag.

Steps

1. Power on the system.
2. To enter the **System Setup**, press **F2**.
3. Click **Service Tag Settings**.
4. Enter the service tag.

 **NOTE:** You can enter the service tag only when the **Service Tag** field is empty. Ensure that you enter the correct service tag. Once the service tag is entered, it cannot be updated or changed. Incorrectly entered service tag will lead to system board replacement.

5. Click **OK**.

LOM card, MIC card and rear I/O board

Removing the LOM card, MIC card and rear I/O board

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. [Remove the system board](#).

 **NOTE:** The procedure to remove the liquid cooling rear I/O board and rear I/O board is the same.

Steps

1. Using a Phillips # 2 screwdriver, remove the screws that secure the LAN on Motherboard (LOM) card and rear I/O board to the system board.
2. Holding the edges, pull the LOM card or rear I/O board to disconnect from the connector on the system board.

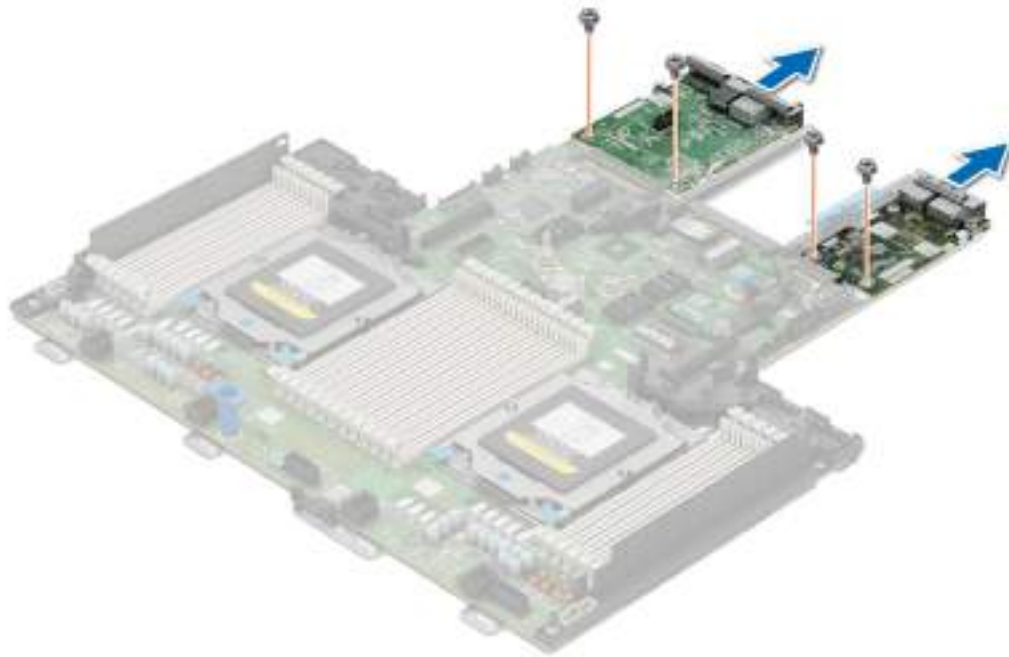


Figure 182. Removing the LOM card and rear I/O board

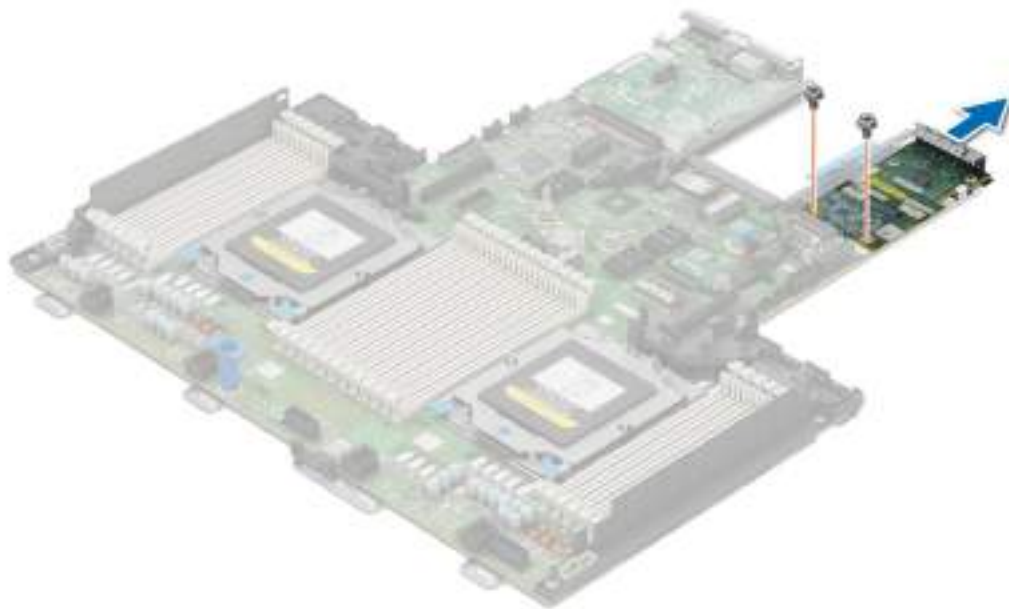


Figure 183. Removing the MIC card

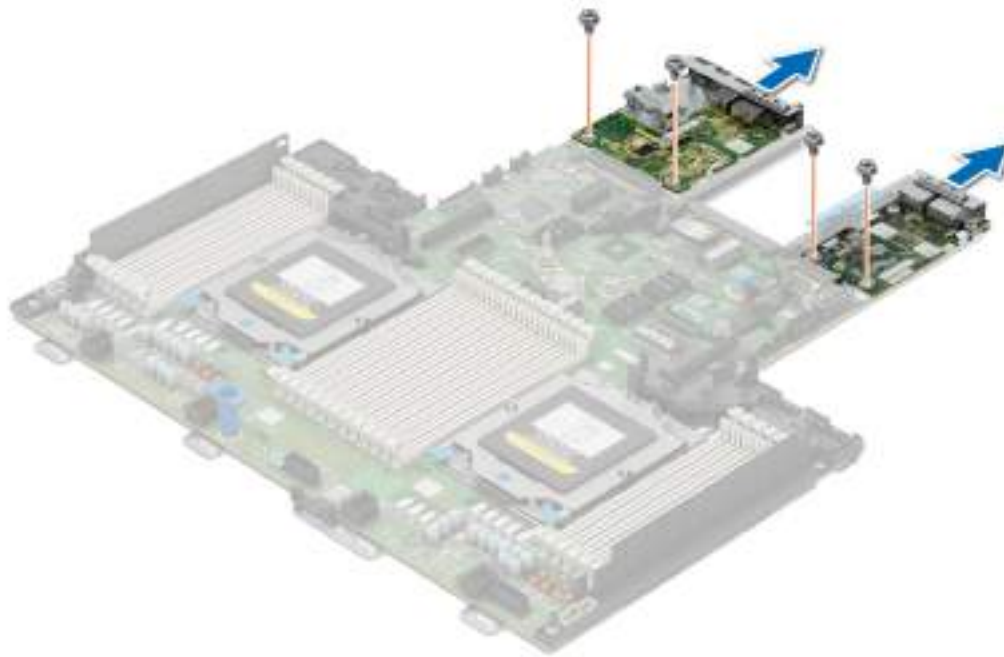


Figure 184. removing the LOM card and rear I/O board DLC

Next steps

1. [Replace the LOM card and rear I/O board.](#)

Installing the LOM card, MIC card and rear I/O board

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. [Remove the system board](#).

NOTE: The procedure to install the liquid cooling rear I/O board and rear I/O board is the same.

Steps

1. Align the connectors and slots on the LOM card or rear I/O board with the connector and standoffs on the system board.
2. Press the LOM card or rear I/O board until firmly seated on the system board connector.
3. Using a Phillips #2 screwdriver, secure the LOM card or rear I/O board to the system board with screws.

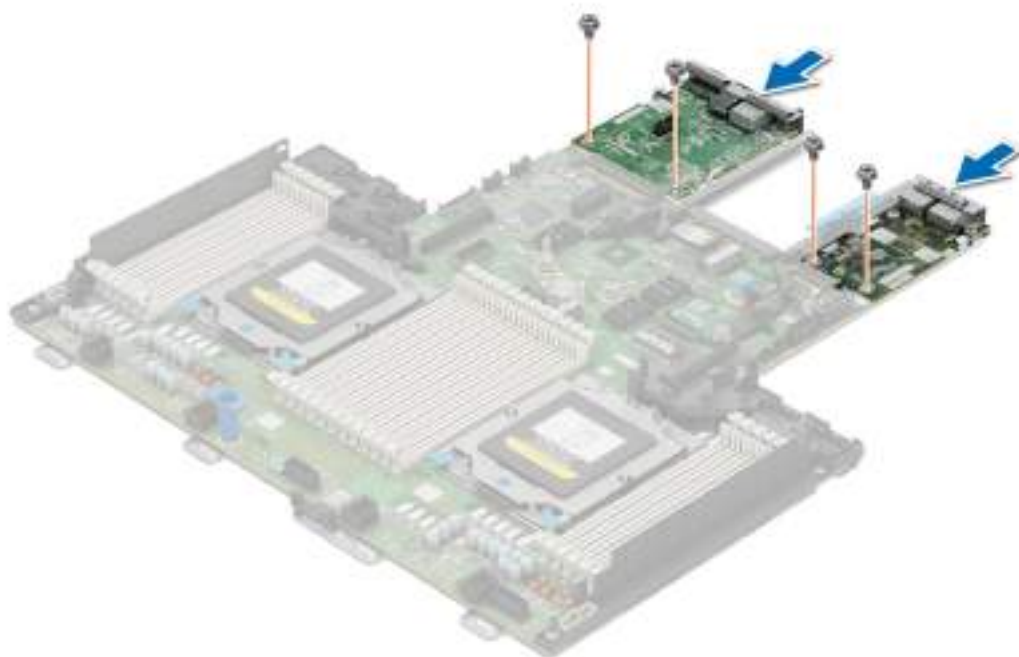


Figure 185. Installing the LOM card and rear I/O board

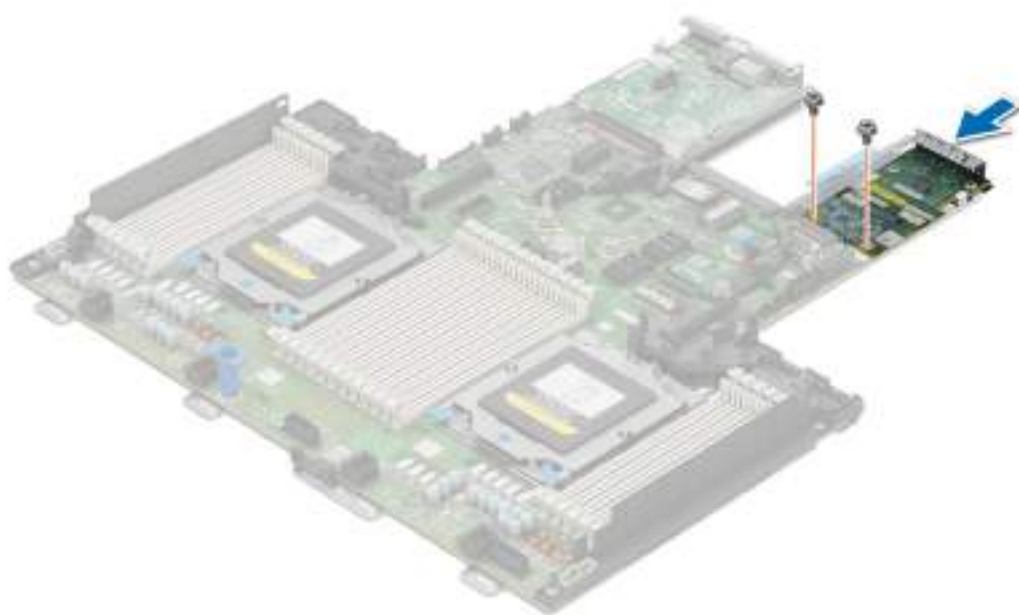


Figure 186. Installing the MIC card

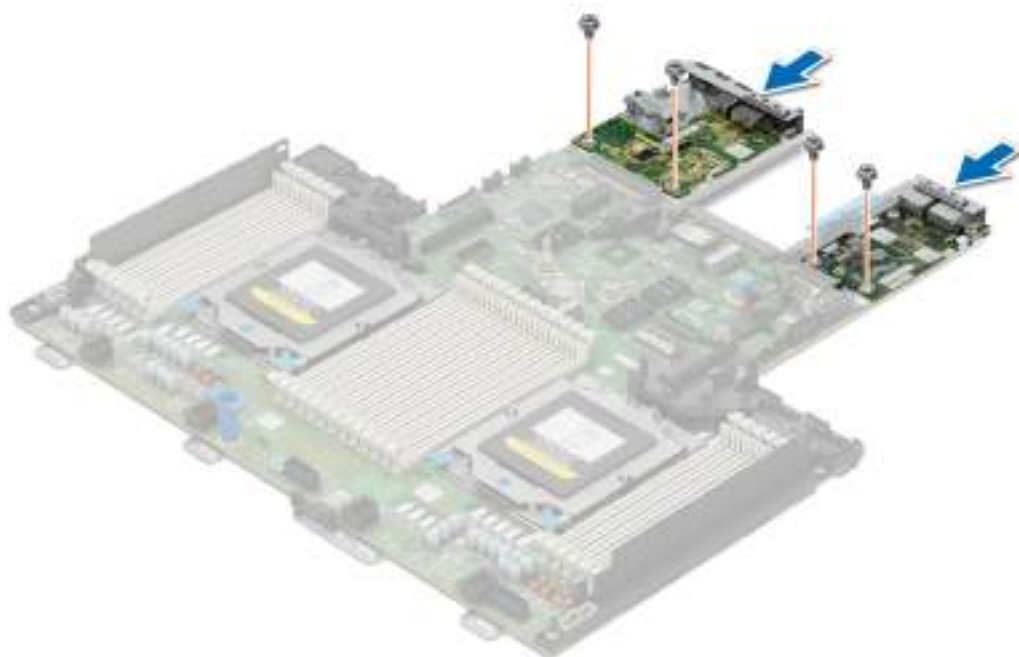


Figure 187. Installing the LOM card and rear I/O board DLC

Next steps

1. [Install the system board.](#)
2. Follow the procedure listed in [After working inside your system.](#)

Tube clip

Removing the tube clip

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions.](#)
2. Follow the procedure listed in the [Before working inside your system.](#)
3. [Remove the system cover.](#)

Steps

Using a Phillips #2 screwdriver, loosen the screw that is securing the tube clip and remove it from the chassis.

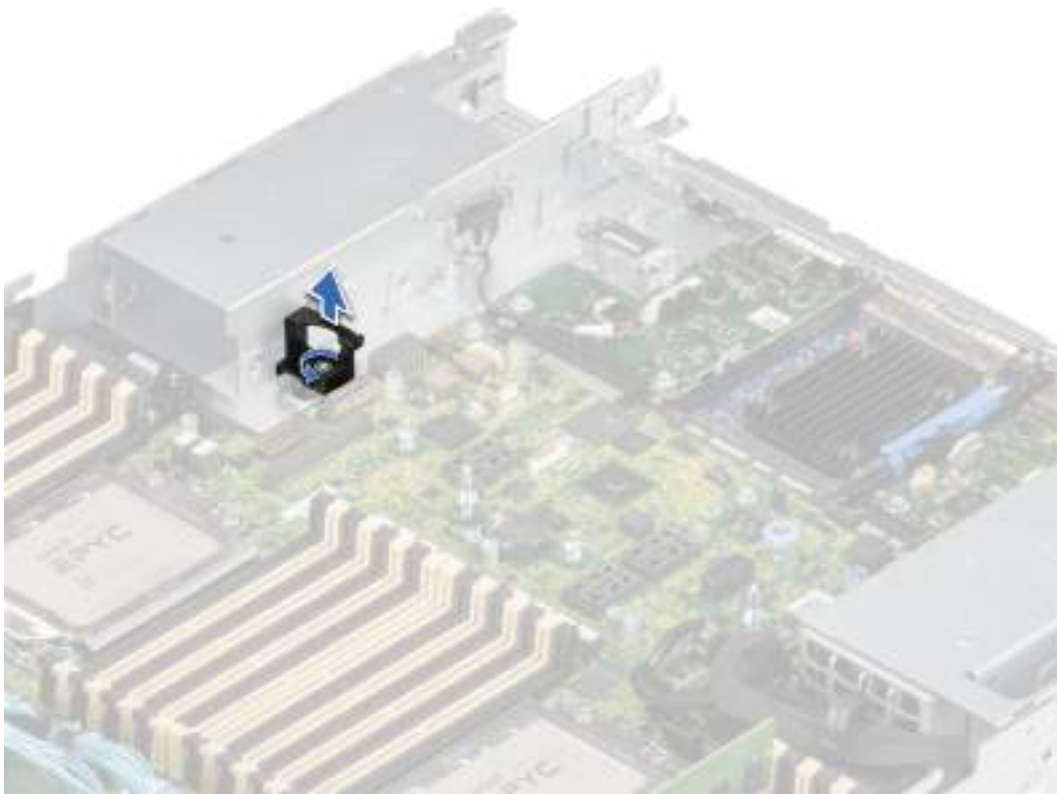


Figure 188. Removing the tube clip

Next steps

1. [Replace the tube clip.](#)

Installing the tube clip

Prerequisites

1. Follow the safety guidelines listed in the [Safety instructions](#).
2. Follow the procedure listed in the [Before working inside your system](#).
3. [Remove the system cover](#).

Steps

1. Place the tube clip onto the chassis according to the guide pins.
2. Using a Phillips #2 screwdriver, secure the tube clip to the chassis with the screw.

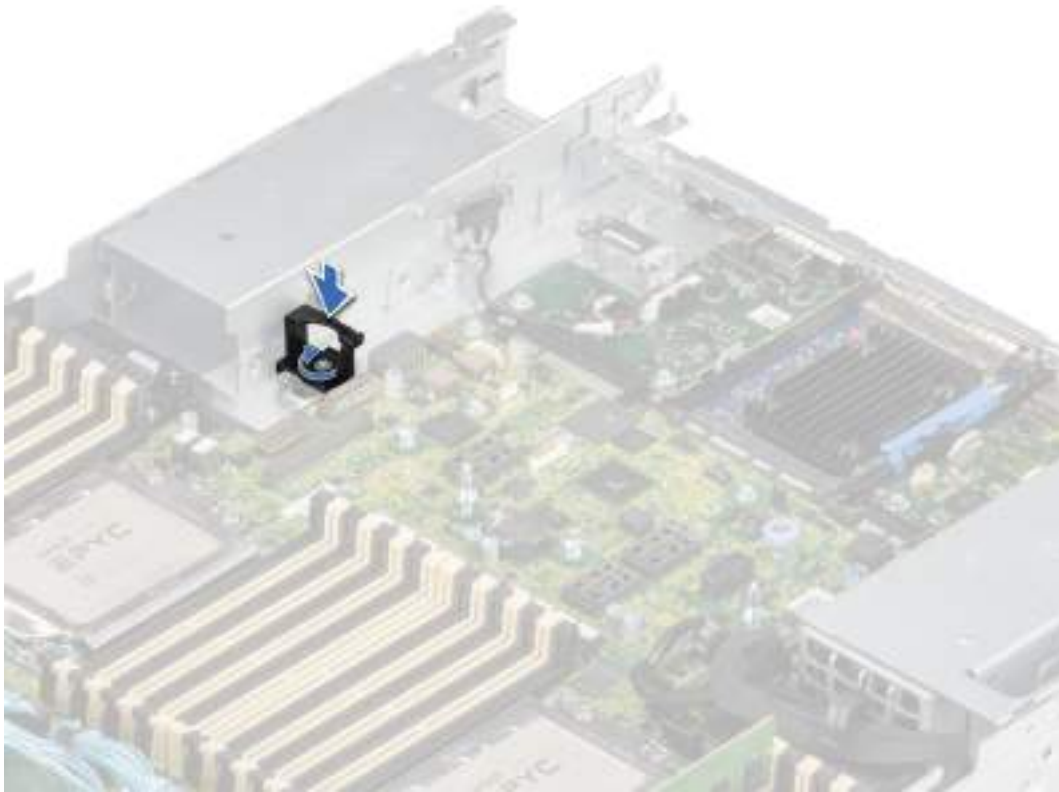


Figure 189. Installing the tube clip

Next steps

1. [Install the system cover.](#)
2. Follow the procedure listed in [After working inside your system.](#)

Jumpers and connectors

This section provides essential and specific information about jumpers and switches. It also describes the connectors on the various boards in the system. Jumpers on the system board help to disable the system and reset the passwords. To install components and cables correctly, you must be able to identify the connectors on the system board.

Topics:

- [System board connectors](#)
- [System board jumper settings](#)
- [Disabling a forgotten password](#)

System board connectors

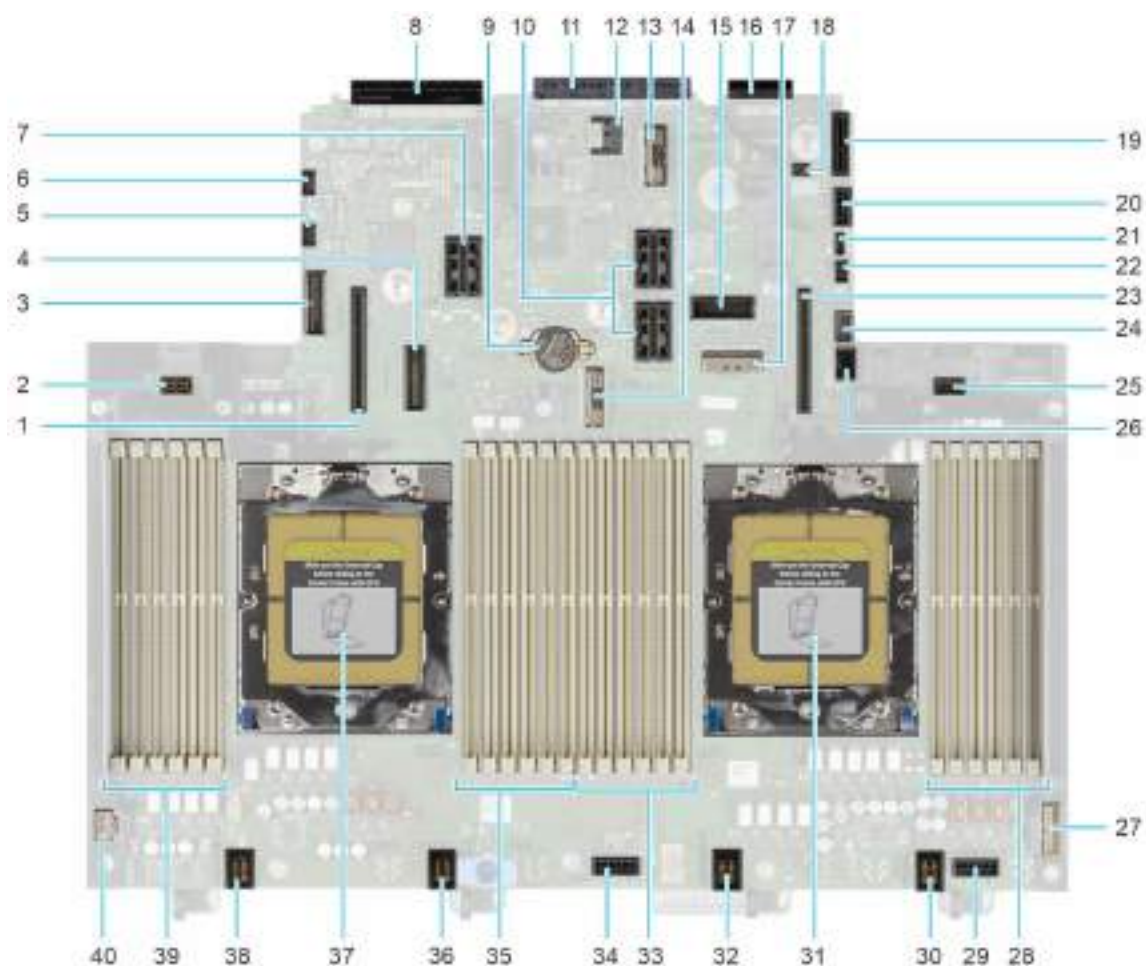


Figure 190. System board jumpers and connectors

Table 110. System board jumpers and connectors

Item	Connector	Description
1.	IO_RISER4 (CPU2)	Riser 4 - Requires CPU 2
2.	PWR 2_A	Power Connector for PSU2

Table 110. System board jumpers and connectors (continued)

Item	Connector	Description
3.	SL1_CPU2_PA4	PCIe Connector 1
4.	SL2_CPU2_PB4	PCIe Connector 2
5.	PSU 2 PUCK Sideband Signal	PSU 2 PUCK Sideband Signal
6.	Battery SIG Connector	Battery SIG Connector
7.	IO_RISER3 (CPU2)	Riser 3 - Requires CPU 2
8.	Rear I/O Connector	Rear I/O Connector
9.	Coin Cell Battery	Coin Cell Battery
10.	IO_RISER2_A (CPU1) IO_RISER2_B (CPU2)	Riser 2
11.	OCP NIC 3.0 Connector	OCP NIC 3.0 Connector
12.	TPM	TPM Connector
13.	DSL_CPU1_PB2	PCIe Connector
14.	SL3_CPU1_PA1	PCIe Connector 3
15.	SL5_CPU1_PB2	PCIe Connector 5
16.	LOM	LOM Connector
17.	SL4_CPU1_PB1	PCIe Connector 4
18.	PWRD_EN and NVRAM_CLR	Jumper
19.	Internal USB Connector	Internal USB Connector
20.	PWR Connector 0 - Use for Rear BP	PWR Connector 0 - Use for Rear BP
21.	BOSS_CARD_PWR	BOSS Card Power
22.	PSU 2 PUCK Sideband Signal	PSU 2 PUCK Sideband Signal
23.	IO_RISER1 (CPU1)	Riser 1
24.	SL6_CPU1_PA3	PCIe Connector 6
25.	PWR 1_A	Power Connector for PSU1
26.	MB_FRONT_VIDEO	Front VGA Connector
27.	RGT_CP	Right Control Panel Connector
28.	A2, A6, A4, A10, A8, A12	DIMMs for processor 1 channels G,H, I, J, K, L
29.	PWR Connector 2 - Use for BP only	PWR Connector 2 - Use for BP only
30.	FAN 4	FAN 4
31.	CPU 1	Processor 1
32.	FAN 3	FAN 3
33.	A11, A7, A9, A3, A5, A1	DIMMs for processor 1 channels F, E, D, C, B, A
34.	PWR Connector 1 - Use for BP only	PWR Connector 1 - Use for BP only
35.	B2, B6, B4, B10, B8, B12	DIMMs for processor 2 channels G, H, I, J, K, L
36.	FAN 2	FAN 2

Table 110. System board jumpers and connectors (continued)

Item	Connector	Description
37.	CPU 2	Processor 2
38.	FAN 1	FAN 1
39.	B11, B7, B9, B3, B5, B1	DIMMs for processor 2 channels F, E, D, C, B, A
40.	LFT_CP	Left Control Panel Connector

System board jumper settings

For information about resetting the password jumper to disable a password, see the [Disabling a forgotten password](#) section.

Table 111. System board jumper settings

Jumper	Setting	Description
PWRD_EN		The BIOS password feature is enabled.
		The BIOS password feature is disabled. The BIOS password is now disabled and you are not allowed to set a new password.
NVRAM_CLR		The BIOS configuration settings are retained at system boot.
		The BIOS configuration settings are cleared at system boot.

CAUTION: Be careful when changing the BIOS settings. The BIOS interface is designed for advanced users. Any change in the setting could prevent your system from starting correctly and you might have potential loss of data.

Disabling a forgotten password

The software security features of the system include a system password and a setup password. The password jumper enables or disables password features and clears any password(s) currently in use.

Prerequisites

CAUTION: Many repairs may only be done by a certified service technician. You should only perform troubleshooting and simple repairs as authorized in your product documentation, or as directed by the online or telephone service and support team. Damage due to servicing that is not authorized by Dell is not covered by your warranty. Read and follow the safety instructions that are shipped with your product.

Steps

1. Power off the system, and all the attached peripherals, and disconnect the system from the electrical outlet.
2. Remove the system cover.
3. Move the jumper on the system board from pins 2 and 4 to pins 4 and 6.
4. Replace the system cover.

NOTE: The existing passwords are not disabled (erased) until the system boots with the jumper on pins 4 and 6. However, before you assign a new system and/or setup password, you must move the jumper back to pins 2 and 4.

 **NOTE:** If you assign a new system and/or setup password with the jumper on pins 4 and 6, the system disables the new password(s) the next time it boots.

5. Reconnect the system and all the attached peripherals.
6. Power off the system.
7. Remove the system cover.
8. Move the jumper on the system board from pins 4 and 6 to pins 2 and 4.
9. Replace the system cover.
10. Reconnect the system to the electrical outlet and power on the system, and all the attached peripherals.
11. Assign a new system and/or setup password.

System diagnostics and indicator codes

This section describes the diagnostic indicators on the system front panel that displays the system status during system startup.

Topics:

- [Status LED indicators](#)
- [System health and system ID indicator codes](#)
- [iDRAC Quick Sync 2 indicator codes](#)
- [iDRAC Direct LED indicator codes](#)
- [LCD panel](#)
- [NIC indicator codes](#)
- [Power supply unit indicator codes](#)
- [Drive indicator codes](#)

Status LED indicators

 **NOTE:** The indicators display solid amber if any error occurs.



Figure 191. Status LED indicators

Table 112. Status LED indicators and descriptions

Icon	Description	Condition	Corrective action
	Drive indicator	The indicator turns solid amber if there is a drive error.	• Check the System Event Log to determine if the drive has an error. • Run the appropriate Online Diagnostics test. Restart the system and run embedded diagnostics (ePSA). • If the drives are configured in a RAID array, restart the system, and enter the host adapter configuration utility program.
	Temperature indicator	The indicator turns solid amber if the system experiences a thermal error (for example, the ambient	Ensure that none of the following conditions exist: • A cooling fan has been removed or has failed.

Table 112. Status LED indicators and descriptions (continued)

Icon	Description	Condition	Corrective action
		temperature is out of range or there is a fan failure).	• System cover, air shroud, or back filler bracket is removed. • Ambient temperature is too high. • External airflow is obstructed. If the problem persists, see the Getting help section.
	Electrical indicator	The indicator turns solid amber if the system experiences an electrical error (for example, voltage out of range, or a failed power supply unit (PSU) or voltage regulator).	Check the System Event Log or system messages for the specific issue. If it is due to a problem with the PSU, check the LED on the PSU. Reseat the PSU. If the problem persists, see the Getting help section.
	Memory indicator	The indicator turns solid amber if a memory error occurs.	Check the System Event Log or system messages for the location of the failed memory. Reseat the memory module. If the problem persists, see the Getting help section.
	PCIe indicator	The indicator turns solid amber if a PCIe card experiences an error.	Restart the system. Update any required drivers for the PCIe card. Reinstall the card. If the problem persists, see the Getting help section. NOTE: For more information about the supported PCIe cards, see the Expansion card installation guidelines section.

System health and system ID indicator codes

The system health and system ID indicator is located on the left control panel of the system.



Figure 192. System health and system ID indicator

Table 113. System health and system ID indicator codes

System health and system ID indicator code	Condition
Solid blue	Indicates that the system is powered on, is healthy, and system ID mode is not active. Press the system health and system ID button to switch to system ID mode.
Blinking blue	Indicates that the system ID mode is active. Press the system health and system ID button to switch to system health mode.
Solid amber	Indicates that the system is in fail-safe mode.If the problem persists, see the Getting help section.
Blinking amber	Indicates that the system is experiencing a fault. Check the System Event Log for specific error messages. EEMI guide

iDRAC Quick Sync 2 indicator codes

iDRAC Quick Sync 2 module (optional) is located on the left control panel of the system.

**Table 114. iDRAC Quick Sync 2 indicators and descriptions**

iDRAC Quick Sync 2 indicator code	Condition	Corrective action
Off (default state)	Indicates that the iDRAC Quick Sync 2 feature is powered off. Press the iDRAC Quick Sync 2 button to power on the iDRAC Quick Sync 2 feature.	If the LED fails to power on, reseal the left control panel flex cable and check. If the problem persists, see the Getting help section.
Solid white	Indicates that iDRAC Quick Sync 2 is ready to communicate. Press the iDRAC Quick Sync 2 button to power off.	If the LED fails to power off, restart the system. If the problem persists, see the Getting help section.
Blinks white rapidly	Indicates data transfer activity.	If the indicator continues to blink indefinitely, see the Getting help section.
Blinks white slowly	Indicates that firmware update is in progress.	If the indicator continues to blink indefinitely, see the Getting help section.
Blinks white five times rapidly and then powers off	Indicates that the iDRAC Quick Sync 2 feature is disabled.	Check if iDRAC Quick Sync 2 feature is configured to be disabled by iDRAC. If the problem persists, see the Getting help section. PowerEdge manuals or <i>Dell OpenManage Server Administrator User's Guide</i> at OpenManage Manuals .
Solid amber	Indicates that the system is in fail-safe mode.	Restart the system. If the problem persists, see the Getting help section.
Blinking amber	Indicates that the iDRAC Quick Sync 2 hardware is not responding properly.	Restart the system. If the problem persists, see the Getting help section.

iDRAC Direct LED indicator codes

The iDRAC Direct LED indicator lights up to indicate that the port is connected and is being used as a part of the iDRAC subsystem.

You can configure iDRAC Direct by using a USB to micro USB (type AB) cable, which you can connect to your laptop or tablet. Cable length should not exceed 3 feet (0.91 meters). Performance could be affected by cable quality. The following table describes iDRAC Direct activity when the iDRAC Direct port is active:

Table 115. iDRAC Direct LED indicator codes

iDRAC Direct LED indicator code	Condition
Solid green for two seconds	Indicates that the laptop or tablet is connected.
Blinking green (on for two seconds and off for two seconds)	Indicates that the laptop or tablet connected is recognized.
Powers off	Indicates that the laptop or tablet is unplugged.

LCD panel

The LCD panel provides system information, status, and error messages to indicate if the system is functioning correctly or requires attention. The LCD panel is used to configure or view the iDRAC IP address of the system. [EEMI Guide](#).

The LCD panel is available only on the optional front bezel. The optional front bezel is hot pluggable.

The status and conditions of the LCD panel are outlined here:

- The LCD backlight is white during normal operating conditions.
- If there is an issue, the LCD backlight turns amber and displays an error code followed by descriptive text.

NOTE: If the system is connected to a power source and an error is detected, the LCD turns amber regardless of whether the system is powered on or off.

- When the system powers off and there are no errors, the LCD enters the standby mode after five minutes of inactivity. Press any button on the LCD to power it on.
- If the LCD panel stops responding, remove the bezel and reinstall it. If the problem persists, see [Getting help](#).
- The LCD backlight remains off if LCD messaging is powered off using the iDRAC utility, the LCD panel, or other tools.



Figure 193. LCD panel features

Table 116. LCD panel features

Item	Button or display	Description
1	Left	Moves the cursor back in one-step increments.
2	Select	Selects the menu item that is highlighted by the cursor.
3	Right	Moves the cursor forward in one-step increments. During message scrolling: • Press and hold the right button to increase scrolling speed. • Release the button to stop. NOTE: The display stops scrolling when the button is released. After 45 seconds of inactivity, the display starts scrolling.
4	LCD display	Displays the system information, status, and error messages or iDRAC IP address.

Viewing Home screen

The **Home** screen displays user-configurable information about the system. This screen is displayed during normal system operation when there are no status messages or errors. When the system turns off and there are no errors, LCD enters the standby mode after five minutes of inactivity. Press any button on the LCD to turn it on.

Steps

1. To view the **Home** screen, press one of the three navigation buttons (Select, Left, or Right).
2. To navigate to the **Home** screen from another menu, complete the following steps:
 - a. Press and hold the navigation button till the up arrow  is displayed.
 - b. Navigate to the **Home** icon  using the up arrow .
 - c. Select the **Home** icon.
 - d. On the **Home** screen, press the **Select** button to enter the main menu.

Setup menu

 **NOTE:** When you select an option in the Setup menu, you must confirm the option before proceeding to the next action.

Table 117. Setup menu

Option	Description
iDRAC	Select DHCP or Static IP to configure the network mode. If Static IP is selected, the available fields are IP , Subnet (Sub) , and Gateway (Gtw) . Select Setup DNS to enable DNS and to view domain addresses. Two separate DNS entries are available.
Set error	Select SEL to view LCD error messages in a format that matches the IPMI description in the SEL. This enables you to match an LCD message with an SEL entry. Select Simple to view LCD error messages in a simplified user-friendly description. EEMI guide .
Set home	Select the default information to be displayed on the Home screen. See View Home menu section for the options and option items that can be set as the default on the Home screen.

View menu

 **NOTE:** When you select an option in the View menu, you must confirm the option before proceeding to the next action.

Table 118. View menu

Option	Description
iDRAC IP	Displays the IPv4 or IPv6 addresses for iDRAC9. Addresses include DNS (Primary and Secondary) , Gateway , IP , and Subnet (IPv6 does not have Subnet).
MAC	Displays the MAC addresses for iDRAC , iSCSI , or Network devices.
Name	Displays the name of the Host , Model , or User String for the system.
Number	Displays the Asset tag or the Service tag for the system.
Power	Displays the power output of the system in BTU/hr or Watts. The display format can be configured in the Set home submenu of the Setup menu.
Temperature	Displays the temperature of the system in Celsius or Fahrenheit. The display format can be configured in the Set home submenu of the Setup menu.

NIC indicator codes

Each NIC on the back of the system has indicators that provide information about the activity and link status. The activity LED indicator indicates if data is flowing through the NIC, and the link LED indicator indicates the speed of the connected network.

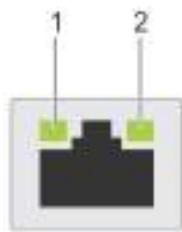


Figure 194. NIC indicator codes

- 1. Link LED indicator
- 2. Activity LED indicator

Table 119. NIC indicator codes

NIC indicator codes	Condition
Link and activity indicators are off.	Indicates that the NIC is not connected to the network.
Link indicator is green, and activity indicator is blinking green.	Indicates that the NIC is connected to a valid network at its maximum port speed, and data is being sent or received.
Link indicator is amber, and activity indicator is blinking green.	Indicates that the NIC is connected to a valid network at less than its maximum port speed, and data is being sent or received.
Link indicator is green, and activity indicator is off.	Indicates that the NIC is connected to a valid network at its maximum port speed, and data is not being sent or received.
Link indicator is amber, and activity indicator is off.	Indicates that the NIC is connected to a valid network at less than its maximum port speed, and data is not being sent or received.
Link indicator is blinking green, and activity is off.	Indicates that the NIC identify is enabled through the NIC configuration utility.

Power supply unit indicator codes

AC and DC power supply units (PSUs) have an illuminated translucent handle that serves as an indicator. The indicator shows if power is present or if a power fault has occurred.



Figure 195. AC PSU status indicator

- 1. AC PSU handle
- 2. Socket
- 3. Release latch

Table 120. AC and DC PSU status indicator codes

Power indicator codes	Condition
Green	Indicates that a valid power source is connected to the PSU and the PSU is operational.
Blinking amber	Indicates an issue with the PSU.
Not powered on	Indicates that the power is not connected to the PSU.
Blinking green	Indicates that the firmware of the PSU is being updated. △ CAUTION: Do not disconnect the power cord or unplug the PSU when updating firmware. If firmware update is interrupted, the PSUs will not function.
Blinking green and powers off	When hot-plugging a PSU, it blinks green five times at a rate of 4 Hz and powers off. This indicates a PSU mismatch due to efficiency, feature set, health status, or supported voltage. △ CAUTION: If two PSUs are installed, both the PSUs must have the same type of label; for example, Extended Power Performance (EPP) label. Mixing PSUs from previous generations of PowerEdge servers is not supported, even if the PSUs have the same power rating. This results in a PSU mismatch condition or failure to power on the system. △ CAUTION: If two PSUs are used, they must be of the same type and have the same maximum output power. △ CAUTION: When correcting a PSU mismatch, replace the PSU with the blinking indicator. Swapping the PSU to make a matched pair can result in an error condition and an unexpected system shutdown. To change from a high output configuration to a low output configuration or vice versa, you must power off the system. △ CAUTION: AC PSUs support both 240 V and 120 V input voltages with the exception of Titanium PSUs, which support only 240 V. When two identical PSUs receive different input voltages, they can output different wattages, and trigger a mismatch.

Drive indicator codes

The LEDs on the drive carrier indicates the state of each drive. Each drive carrier has two LEDs: an activity LED (green) and a status LED (bicolor, green/amber). The activity LED blinks whenever the drive is accessed.



Figure 196. Drive indicators

1. Drive activity LED indicator

2. Drive status LED indicator
3. Drive capacity label

NOTE: If the drive is in the Advanced Host Controller Interface (AHCI) mode, the status LED indicator does not power on.

NOTE: Drive status indicator behavior is managed by Storage Spaces Direct. Not all drive status indicators may be used.

Table 121. Drive indicator codes

Drive status indicator code	Condition
Blinks green twice per second	Indicates that the drive is being identified or preparing for removal.
Not powered on	Indicates that the drive is ready for removal. NOTE: The drive status indicator remains off until all drives are initialized after the system is powered on. Drives are not ready for removal during this time.
Blinks green, amber, and then powers off	Indicates that there is an expected drive failure.
Blinks amber four times per second	Indicates that the drive has failed.
Blinks green slowly	Indicates that the drive is rebuilding.
Solid green	Indicates that the drive is online.
Blinks green for three seconds, amber for three seconds, and then powers off after six seconds	Indicates that the rebuild has stopped.

EDSFF E3.S drive led codes

The LEDs on the drive carrier indicate the state of each drive. The LEDs on the EDSFF E3.S drive have two LEDs: an activity LED (green) and a locate/fault LED (blue/amber). The activity LED blinks whenever the drive is accessed.



Figure 197. EDSFF E3.S drive indicators

1. Drive activity LED indicator
2. Drive status LED indicator
3. Drive capacity label

EDSFF E3.S drive led codes

E3.S hard drives have Green LED and Blue/Amber LED.

- Green LED shows : Drive power status , Activity
- Blue/Amber LED shows: Drive Fault, Locate

EDSFF indicator behavior

Table 122. EDSFF indicator behavior

Pattern Name	Description	Blue Element	Amber Element
Locate	This device is being identified.	ON (1 sec ON 1 sec OFF)	OFF
Fault	The device is in a fault condition.	OFF	ON (2 sec ON 1 sec OFF)
N/A	This device does not have fault or locate device.	OFF	OFF

NOTE: Locate behavior overrides Fault state.

Green LED

The green LED is driven and controlled by the device. The two functions for this LED are defined as follows:

- Power: This function indicates that the device has power and has no issues with its power regulation. Once the green LED is ON, it shall either remain ON or blink at the activity frequency unless the device determines power is no longer within its operating range.
- Activity: This function indicates if the device is being used.

Table 123. LED and device state per function for Green LED

Function/Device state	LED state
Power ON/Device is powered, no activity occurring.	ON
Activity/Device is powered, host initiated I/O activity occurring.	4 Hz nominal blink rate
Power OFF/Device is not powered.	OFF

Using system diagnostics

If you experience an issue with the system, run the system diagnostics before contacting Dell for technical assistance. The purpose of running system diagnostics is to test the system hardware without using additional equipment or risking data loss. If you are unable to fix the issue yourself, service and support personnel can use the diagnostics results to help you solve the issue.

Topics:

- [Dell Embedded System Diagnostics](#)

Dell Embedded System Diagnostics

 **NOTE:** The Dell Embedded System Diagnostics is also known as Enhanced Pre-boot System Assessment (ePSA) diagnostics.

The Embedded System Diagnostics provide a set of options for particular device groups or devices allowing you to:

- Run tests automatically or in an interactive mode
- Repeat tests
- Display or save test results
- Run thorough tests to introduce additional test options to provide extra information about the failed device(s)
- View status messages that inform you if tests are completed successfully
- View error messages that inform you of issues encountered during testing

Running the Embedded System Diagnostics from Boot Manager

Run the Embedded System Diagnostics (ePSA) if your system does not boot.

Steps

1. When the system is booting, press F11.
2. Use the up arrow and down arrow keys to select **System Utilities > Launch Diagnostics**.
3. Alternatively, when the system is booting, press F10, select **Hardware Diagnostics > Run Hardware Diagnostics**. The **ePSA Pre-boot System Assessment** window is displayed, listing all devices detected in the system. The diagnostics starts executing the tests on all the detected devices.

Running the Embedded System Diagnostics from the Dell Lifecycle Controller

Steps

1. When the system is booting, press F10.
2. Select **Hardware Diagnostics → Run Hardware Diagnostics**. The **ePSA Pre-boot System Assessment** window is displayed, listing all devices detected in the system. The diagnostics start executing the tests on all the detected devices.

System diagnostic controls

Table 124. System diagnostic controls

Menu	Description
Configuration	Displays the configuration and status information of all detected devices.
Results	Displays the results of all tests that are run.
System health	Provides the current overview of the system performance.
Event log	Displays a time-stamped log of the results of all tests run on the system. This is displayed if at least one event description is recorded.

System board diagnostic LED indicators

The system board LED indicators provide status of the system when it is powered on, which help identify POST and hardware issues.

For information about the different LED indicator sequences and description, see the interactive [LED pattern decoder tool](#).

Enhanced Preboot System Assessment

If you experience an issue with the system, run the system diagnostics before contacting Dell for technical assistance. The purpose of running system diagnostics is to test the system hardware without requiring more equipment or risking data loss. If you are unable to fix the issue yourself, service and support personnel can use the diagnostics results to help you solve the issue.

Dell Embedded system diagnostics

NOTE: The Dell Embedded System Diagnostics is also known as Enhanced Preboot System Assessment (ePSA) diagnostics.

The embedded system diagnostics provides a set of options for particular device groups or devices that allow you to:

- Run tests automatically or in an interactive mode.
- Repeat tests
- Display or save test results.
- Introduce more test options for extra information about the failed devices, run a thorough test.
- View status messages that inform you if tests are completed successfully.
- View error messages that inform you of issues encountered during testing.

Running the Embedded system diagnostics from Boot Manager

To run the embedded system diagnostics from Boot Manager:

```
F2 = System Setup
F10 = Lifecycle Controller
F11 = Boot Manager
F12 = PXE Boot
```

1. As the system boots, press <F11>.
2. Using the arrow keys select **System Utilities** → **Launch Diagnostics**.

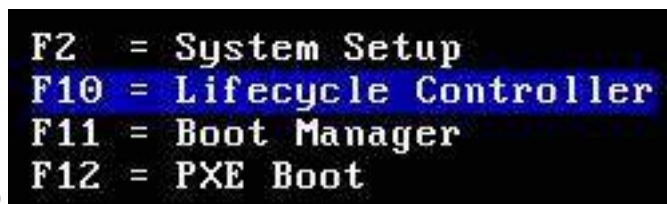




3. Wait while the Quick Tests automatically run.
4. Once the tests have been completed, you can view the results and additional information on the **Results** tab, the **System Health** tab, the **Configuration** tab, and the **Event Log** tab.
5. Close the **Embedded System Diagnostics** utility.
6. To leave the diagnostics, click **Exit**.
7. Click **OK** when prompted, and the system reboots.

Running the Embedded System Diagnostics from the Dell Lifecycle Controller

To run the embedded system diagnostics from the Dell Lifecycle Controller:



1. As the system boots, press **F10**.



2. Select **Hardware Diagnostics** → **Run Hardware Diagnostics**.

Getting help

You can download drivers, firmware, and documents from the [R6625 FTP site](#). For more information about username and password, contact your TAM (Tech Account Manager).

Topics:

- [Recycling or End-of-Life service information](#)
- [Contacting Dell Technologies](#)
- [Accessing system information by using QR code](#)
- [Receiving automated support with SupportAssist](#)

Recycling or End-of-Life service information

Take back and recycling services are offered for this product in certain countries. If you want to dispose of system components, visit [How to Recycle](#) and select the relevant country.

Contacting Dell Technologies

Dell provides online and telephone based support and service options. If you do not have an active internet connection, you can find Dell contact information on your purchase invoice, packing slip, bill or Dell product catalog. The availability of services varies depending on the country and product, and some services may not be available in your area. To contact Dell for sales, technical assistance, or customer service issues follow these steps:

Steps

1. Go to [Dell Support](#).
2. Select your country from the drop-down menu on the lower right corner of the page.
3. For customized support:
 - a. Enter the system Service Tag in the **Enter a Service Tag, Serial Number, Service Request, Model, or Keyword** field.
 - b. Click **Search**.
The support page that lists the various support categories is displayed.
4. For general support:
 - a. Select your product category.
 - b. Select your product segment.
 - c. Select your product.
The support page that lists the various support categories is displayed.
5. For contact details of Dell Global Technical Support:
 - a. Click [Contact Technical Support](#).
 - b. The **Contact Technical Support** page is displayed with details to call, chat, or e-mail the Dell Global Technical Support team.

Accessing system information by using QR code

You can use the QR code located on the Express service tag in the front of the R6625 system, to access information about PowerEdge R6625. There is also another QR code for accessing product information on the back of the system cover.

Prerequisites

Ensure that your smart phone or tablet has a QR code scanner installed.

The QR code includes the following information about your system:

- How-to videos
- Reference materials, including the Installation and Service Manual, and mechanical overview
- The system service tag to quickly access the specific hardware configuration and warranty information
- A direct link to Dell to contact technical support and sales teams

Steps

1. Go to [PowerEdge Manuals](#), and navigate to your specific product or
2. Use your smart phone or tablet to scan the model-specific QR code on your system.

QR code for PowerEdge R6625 system resources



Figure 198. QR code for PowerEdge R6625 system

Receiving automated support with SupportAssist

Dell SupportAssist is an optional Dell Services offering that automates technical support for your Dell server, storage, and networking devices. By installing and setting up a SupportAssist application in your IT environment, you can receive the following benefits:

- Automated issue detection — SupportAssist monitors your Dell devices and automatically detects hardware issues, both proactively and predictively.
- Automated case creation — When an issue is detected, SupportAssist automatically opens a support case with Dell Technical Support.
- Automated diagnostic collection — SupportAssist automatically collects system state information from your devices and uploads it securely to Dell. This information is used by Dell Technical Support to troubleshoot the issue.
- Proactive contact — A Dell Technical Support agent contacts you about the support case and helps you resolve the issue.

The available benefits vary depending on the Dell Service entitlement purchased for your device. For more information about SupportAssist, go to [SupportAssist](#).

Documentation resources

This section provides information about the documentation resources for your system.

To view the document that is listed in the documentation resources table:

- From the Dell support site:
 1. Click the documentation link that is provided in the Location column in the table.
 2. Click the required product or product version.

 **NOTE:** To locate the model number, see the front of your system.

3. On the Product Support page, click **Documentation**.
- Using search engines:
 - Type the name and version of the document in the search box.

Table 125. Additional documentation resources for your system

Task	Document	Location
Setting up your system	For more information about installing and securing the system into a rack, see the Rail Installation Guide included with your rail solution. For information about setting up your system, see the <i>Getting Started Guide</i> document that is shipped with your system.	PowerEdge Manuals
Configuring your system	For information about the iDRAC features, configuring and logging in to iDRAC, and managing your system remotely, see the Integrated Dell Remote Access Controller User's Guide. For information about understanding Remote Access Controller Admin (RACADM) subcommands and supported RACADM interfaces, see the RACADM CLI Guide for iDRAC. For information about Redfish and its protocol, supported schema, and Redfish Eventing implemented in iDRAC, see the Redfish API Guide. For information about iDRAC property database group and object descriptions, see the Attribute Registry Guide.	PowerEdge Manuals
	For information about earlier versions of the iDRAC documents. To identify the version of iDRAC available on your system, on the iDRAC web interface, click ? > About .	iDRAC Manuals
	For information about installing the operating system, see the operating system documentation.	Operating System Manuals

Table 125. Additional documentation resources for your system (continued)

Task	Document	Location
	For information about updating drivers and firmware, see the Methods to download firmware and drivers section in this document.	Drivers
Managing your system	For information about systems management software offered by Dell, see the Dell OpenManage Systems Management Overview Guide.	PowerEdge Manuals
	For information about setting up, using, and troubleshooting OpenManage, see the Dell OpenManage Server Administrator User's Guide.	OpenManage Manuals
	For information about installing and using Dell SupportAssist, see the Dell SupportAssist Enterprise User's Guide.	serviceability tools
	For information about partner programs enterprise systems management, see the OpenManage Connections Enterprise Systems Management documents.	OpenManage Manuals
Working with the Dell PowerEdge RAID controllers	For information about understanding the features of the Dell PowerEdge RAID controllers (PERC), Software RAID controllers, or BOSS card and deploying the cards, see the Storage controller documentation.	Storage Controller Manuals
Understanding event and error messages	For information about the event and error messages generated by the system firmware and agents that monitor system components, see the EEMI guide.	EEMI Guide
Troubleshooting your system	For information about identifying and troubleshooting the PowerEdge server issues, see the Server Troubleshooting Guide.	PowerEdge Manuals



PowerEdge R6625

Desempenho inovador

O novo Dell PowerEdge R6625 é um servidor em rack de dois soquetes 1U. Projetado para ser o backbone de seu data center, este servidor potente oferece amplo desempenho e opções flexíveis de armazenamento de baixa latência em uma configuração densa de refrigeração a líquido direta (DLC)* ou a ar.

Chegue na frente

Oferecendo inovação, com desempenho densidade e aceleração opcional para cargas de trabalho tradicionais e emergentes mais recentes, inclusive computação com alto desempenho (HPC), integração de desktop virtual (VDI) e virtualização.

Desempenho extremo em uma plataforma que cresce com seus negócios

- Usando o processador AMD EPYC de 4ª geração para oferecer 50% mais núcleos por plataforma de soquete único em um chassi inovador com refrigeração a ar ou líquido*.
- Habilita a DDR5 a 4.800 MT/s de memória e PCIe de 5ª geração com o dobro da velocidade da 4ª geração para acesso e transporte mais rápidos de dados, otimizando a saída do aplicativo.
- A refrigeração a líquido direta* opcional está disponível para resfriar processadores de alto desempenho com mais eficiência.

Tenha mais densidade de máquina virtual para dar suporte aos aplicativos mais exigentes

- Ofereça mais máquinas virtuais por host físico usando maior número de núcleos e maior espaço ocupado pela memória do que as gerações anteriores.
- Melhore a capacidade de resposta ou reduza o tempo de carregamento de aplicativos para usuários avançados com 3 GPUs de comprimento total e largura única.

Conte com uma capacidade de expansão maior, armazenando mais dados em um servidor, economizando espaço em seu data center

- Dimensione seu armazenamento usando 60% mais unidades E3.S NVMe* e redução da pegada de carbono.
- Ofereça mais densidade de memória com DDR5 (com 3 TB* de RAM), proporcionando maior capacidade de memória.
- Compatível com SSD NVMe de menor latência e alto desempenho em uma solução RAID de hardware que ajuda a maximizar o desempenho da computação.

Arquitetura com resiliência cibernética para ambiente e operações de TI Zero Trust

A segurança é integrada a todas as fases do ciclo de vida do PowerEdge, inclusive à cadeia de suprimentos protegida e à garantia de integridade da fábrica ao local. A raiz de confiança baseada em silício consolida a resiliência de inicialização completa, assim como a autenticação baseada em vários fatores (MFA) e os controles de acesso baseados em função garantem operações confiáveis.

Aumente a eficiência e acelere as operações com uma infraestrutura autônoma

O portfólio do Dell OpenManage™ Systems Management oferece uma solução segura, eficiente e abrangente para servidores PowerEdge. Simplifique, automatize e centralize o gerenciamento de um para muitos com o console do OpenManage Enterprise e o iDRAC.

Sustentabilidade

De materiais reciclados em nossos produtos e embalagens a opções cuidadosas e inovadoras para garantir eficiência no uso de energia, o portfólio do PowerEdge foi projetado para criar, entregar e reciclar produtos e ajudar a reduzir a pegada de carbono e diminuir os custos operacionais. Nós até facilitamos a desativação responsável de sistemas legados com a Dell Technologies Services.

Fique mais tranquilo com a Dell Technologies Services

Maximize seus servidores PowerEdge com serviços abrangentes que variam de pacotes de [consultoria](#) ao [ProDeploy](#), [ProSupport](#), [migração de dados](#) e muito mais – disponível em 170 países com o suporte de nossos mais de 60 mil funcionários e parceiros.

PowerEdge R6625

O PowerEdge R6625 é um servidor em rack de 1U e, com seu chassi denso, é ideal para cargas de trabalho tradicionais e emergentes como:

- Computação com alto desempenho (HPC)
- Infraestrutura de desktop virtual (VDI)
- Virtualização

Recurso	Especificações técnicas
Processador	Com dois AMD EPYC série 9004 de 4ª geração com 96 núcleos por processador
Memória	24 slots DDR5 DIMM, compatível com RDIMM de 3 TB* (máx.), velocidade de 4800 MT/s - Suporta somente DIMMs registrados ECC DDR5
Controladores de armazenamento	- Controladores internos: PERC H965i, PERC H755, PERC H755N, PERC H355, HBA355i - Inicialização interna: Boot Optimized Storage Subsystem (BOSS-N1): HWRAID 2 x M.2 SSDs NVMe ou USB - HBAs externos (não RAID): HBA355e - Software RAID: S160
Compartimentos de unidades	Compartimentos frontais: - Com 4 unidades SAS/SATA (disco rígido/SSD) de 3,5 polegadas, máx. de 80 TB - Com 8 NVMe (SSD) de 2,5 polegadas, máx. de 122,88 TB - Com 10 SAS/SATA/NVMe (disco rígido/SSD) de 2,5 polegadas, máx. de 153,6 TB Compartimentos traseiros: - Com 2 unidades SAS/SATA (disco rígido/SSD) de 2,5 polegadas, máx. de 30,72 TB
Fontes de alimentação	- Titanium, 1.800 W, 200 a 240 VCA ou 240 CCAT, redundante, troca a quente 1.400 W de modo misto, 100 a 240 VCA ou 240 CCAT, redundante, troca a quente 1.100 W de modo misto, 100 a 240 VCA ou 240 CCAT, redundante, troca a quente - CCBT de -48 a -60 VCC, 1.100 W, redundante de troca a quente - Platinum, 800 W de modo misto, 100 a 240 VCA ou 240 CCAT, redundante, troca a quente
Opções de refrigeração	- Refrigeração a ar - Refrigeração a líquido direta opcional (DLC)* Nota: a refrigeração a líquido direta é uma solução de rack que requer coletores de rack e uma unidade de distribuição de resfriamento (CDU) para operar.
Ventiladores	- Ventiladores padrão (STD)/ventiladores Gold de alto desempenho (VHP) 4 conjuntos (módulo dual fan) de ventiladores hot plug
Dimensões	- Altura: 42,8 mm (1,685 polegadas) - Largura: 482 mm (18,97 polegadas) - Profundidade: 822,89 mm (32,4 polegadas) com borda 809,05 (31,85 polegadas) sem a borda
Formato	Servidor em rack de 1U
Gerenciamento incorporado	- iDRAC9 - iDRAC Direct - iDRAC RESTful API with Redfish - Manual de Serviço do iDRAC - Módulo sem fio Quick Sync 2
Borda	Borda de segurança ou borda de LCD opcionais
Software OpenManage	- OpenManage Enterprise - Plug-in do Power Manager para o OpenManage - Plug-in de serviço para o OpenManage - Plug-in do Update Manager para o OpenManage - Plug-in do CloudIQ para PowerEdge - OpenManage Enterprise Integration for VMware vCenter - OpenManage Integration for Microsoft System Center - OpenManage Integration with Windows Admin Center
Mobilidade	OpenManage Mobile
OpenManage Integrations	- BMC Truesight - Microsoft System Center - OpenManage Integration with ServiceNow - Red Hat Ansible Modules - Provedores de plataformas - VMware vCenter e vRealize Operations Manager
Segurança	- AMD Secure Encrypted Virtualization (SEV) - AMD Secure Memory Encryption (SME) - Firmware com assinatura criptografada - Criptografia de dados em repouso (SEDs com gerenciamento de chaves locais ou externas) - Inicialização segura - Verificação segura do componente (verificação de integridade do hardware) - Apagamento seguro - Raiz de confiança de silício - Bloqueio do sistema (requer iDRAC9 Enterprise ou Datacenter) - TPM 2.0 FIPS, certificado CC-TCG, TPM 2.0 China NationZ
NIC integrado	2 x 1 GbE cartão LOM (opcional)
Opções de rede	1 x placa OCP 3.0 (opcional) Nota: o sistema permite que um cartão LOM ou um cartão OCP, ou ambos, sejam instalados no sistema.
Opções de GPU	3 x 75 W SW

Recurso	Especificações técnicas	
Portas	Portas frontais • Porta 1 x iDRAC Direct (Micro-AB USB) • 1 x USB 2.0 • 1 VGA	Portas traseiras • 1 x porta Ethernet do iDRAC dedicada • 1 x USB 3.0 interno • 1 x USB 2.0 • 1 serial (opcional) • 1 x VGA (opcional para configuração de refrigeração a líquido direta*)
	Portas internas • 1 x USB 3.0 (opcional)	
PCIe	Com três slots de PCIe • Slot 1: 1 x16 de 5ª geração ou 1 x16 de 4ª geração de perfil inferior e metade do comprimento ou 1 x16 de 5ª geração com altura completa e metade do comprimento • Slot 2: 1 x16 de 5ª geração ou 1 x16 de 4ª geração de perfil inferior e metade do comprimento ou 1 x16 de 5ª geração com altura completa e metade do comprimento • Slot 3: 1 x16 de 5ª geração ou 1 x16 de 4ª geração de perfil inferior e metade do comprimento	
Sistema operacional e hypervisors	• Canonical Ubuntu Server LTS • Microsoft Windows Server com Hyper-V • Red Hat Enterprise Linux • SUSE Linux Enterprise Server • VMware ESXi Para obter as especificações e os detalhes de interoperabilidade, acesse Dell.com/OSsupport .	
Versão pronta para OEM disponível	Da borda ao BIOS e à embalagem, seus servidores podem ficar como se tivessem sido projetados e desenvolvidos por você. Para obter mais informações, acesse Dell.com > Soluções > Soluções de OEM.	

* As versões futuras incluirão DLC, capacidades e formatos adicionais.

Dell APEX Flex on Demand

Adquira a tecnologia de que você precisa para dar suporte a seus negócios em constante mudança com pagamentos que podem ser escalados para corresponder ao uso real. Para obter mais informações, acesse www.delltechnologies.com/pt-br/payment-solutions/flexible-consumption/flex-on-demand.htm.

Saiba mais sobre servidores PowerEdge



Saiba mais sobre nossos servidores PowerEdge



Saiba mais sobre nossas soluções de gerenciamento de sistemas



Pesquise em nossa biblioteca de recursos



Siga os servidores PowerEdge no Twitter



Entre em contato com um especialista da Dell Technologies em [vendas](#) ou [suporte](#)

PROCURAÇÃO

OUTORGANTE: POWER TEC TECNOLOGIA EM INFORMÁTICA, pessoa jurídica de direito privado, inscrita no CNPJ sob nº 09.298.794/0001-96, com inscrição municipal nº 4756599, com sede à Rua E, nº 5, sala 201, Bairro Parque Santa Fé, CEP: 29.182-092, Serra/ES, neste ato representada por seu Sócio Proprietário, MARCELO PEREIRA GUIMARÃES, brasileiro, solteiro, empresário, inscrito no RG nº: MG-6.580.394 SSP/MG e no CPF sob o nº 927.769.576-53, residente e domiciliado Rua Capitão José Porfírio, nº 488, Centro Araxá/MG CEP 38.183-038

OUTORGADO: WEBER MARTINS DA SILVA JUNIOR, brasileiro (a), casado, vendedor, inscrito no RG nº: MG-9.182.869 SSP/MG, e no CPF sob o nº: 012.310.156-59, residente e domiciliado na Rua Amador Carneiro de Melo, nº 930C, Parque das Mangabeiras 3, Araxá/MG CEP: 38.182.470

OBJETO: Representar a outorgante em atos relativos a licitações e contratos administrativos, em todas as suas etapas e fases, em todo território nacional.

PRAZO DE VALIDADE: a presente procuração possui prazo de validade indeterminado e produzirá efeitos até que seja regularmente revogada.

PODERES: O termo em epígrafe confere poderes amplos, gerais e ilimitados aos Outorgados para representar a Outorgante em processos licitatórios em todo território nacional, podendo realizar cadastros em todos e quaisquer banco de dados e portais licitatórios, credenciar o (a) Outorgante para participação em licitações, atualizar documentos, retirar editais, apresentar pedidos de esclarecimento, impugnação, propor representação perante órgãos de controle interno e externo, ações judiciais perante o Poder Judiciário, ofertar lances, apresentar e assinar propostas, documentos de habilitação, declarações e outros, participar de sessões públicas de credenciamento, julgamento e habilitação, assinar as respectivas atas, registrar ocorrências, interpor recursos, apresentar contrarrazões, renunciar ao direito de recursos e contrarrazões, tendo poderes para

requerer, transigir, desistir, discordar, receber e dar quitação, firmar compromissos e declarações, assinar documentos e termos, enfim, praticar todo e qualquer ato útil ou necessário ao fiel cumprimento do presente mandato, podendo, em conjunto ou separadamente, substabelecer, com ou sem reservas de poderes, e ainda, junto a entidades públicas e/ou privadas, assinar todos e quaisquer documentos indispensáveis ao bom e fiel cumprimento do presente mandato, tais como propostas, contratos, aditivos, atas de registro de preços, dentre outros, adotando todas as medidas necessárias (extrajudiciais e judiciais) para defender os interesses do (a) Outorgante no que concerne a qualquer contrato administrativo (ou documento que lhe substitua) ou Ata de Registro de Preços que porventura vier a ser celebrado em decorrência de procedimento licitatórios.

Serra, 02 de julho de 2024.



2º OFÍCIO

POWER TEC TECNOLOGIA EM INFORMÁTICA LTDA

CNPJ Nº 09.298.794/0001-96

MARCELO PEREIRA GUIMARÃES

CPF Nº 927.769.576-53

PODER JUDICIÁRIO - TJMG - CORREGEDORIA GERAL DE JUSTIÇA

2º TABELIONATO DE NOTAS DE ARAXÁ

Reconheço, por semelhança, a assinatura de:
MARCELO PEREIRA GUIMARÃES
Em testemunho da verdade.
Araxá, 02/07/2024.

SELO DE CONSULTA: HWS84020
CODIGO DE SEGURANÇA: 6292.1321.0703.4555

Quantidade de atos praticados: 1 (1:1501)
Ato(s) praticado(s) por: Gabriela Ségia Laurindo - Auxiliar
Emolp: 7,80 T.F.J.: 2,42 Valor final: 10,22 ISSQN: 0,37
Consulte e valide este selo no site: <http://selos.tjmg.us.br>

Nº DA ETIQUETA: ACX072504


Germano de Lima Chaves
2º Tabelionato de Notas - Araxá - MG
TABELIÃO SUBSTITUTO

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 1
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
CAIXA (43) 1-1-01-01						
			Saldo Anterior:			1.101,55D
16/02/2024	VR SUPRIMENTO DE CAIXA REF PGTO		86 00004	52.240,87		53.342,42D
			Total Dia:	52.240,87		
					0,00	53.342,42D
19/02/2024	VR PG INSS CONF DARF PREVIDENCIARIO		671 00004		155,32	53.187,10D
19/02/2024	VR PG GUIA DAS - SIMPLES NACIONAL		26363 00004		52.110,19	1.076,91D
			Total Dia:	0,00		
					52.265,51	1.076,91D
29/02/2024	VR ACERTO SALDO BANCARIO N/DATA		86 00004	148,54		1.225,45D
			Total Dia:	148,54		
					0,00	1.225,45D
18/04/2024	VR PG INSS CONF DARF PREVIDENCIARIO		671 00006		155,32	1.070,13D
			Total Dia:	0,00		
					155,32	1.070,13D
20/05/2024	VR PG INSS CONF DARF PREVIDENCIARIO		671 00006		155,32	914,81D
			Total Dia:	0,00		
					155,32	914,81D
18/06/2024	VR PG INSS CONF DARF PREVIDENCIARIO		671 00006		155,32	759,49D
			Total Dia:	0,00		
					155,32	759,49D
16/07/2024	VR PG INSS CONF DARF PREVIDENCIARIO		671 00006		155,32	604,17D
			Total Dia:	0,00		
					155,32	604,17D
20/08/2024	VR PG INSS CONF DARF PREVIDENCIARIO		671 00006		155,32	448,85D
			Total Dia:	0,00		
					155,32	448,85D
29/11/2024	VR SUPRIMENTO DE CAIXA N/DATA		86 00004	20.000,00		20.448,85D
			Total Dia:	20.000,00		
					0,00	20.448,85D
12/12/2024	VR PG INSS CONF DARF PREVIDENCIARIO		671 00006		155,32	20.293,53D
			Total Dia:	0,00		
					155,32	20.293,53D
				TOTAIS:		
					53.197,43	20.293,53D
BANCO DO BRASIL (86) 1-1-01-02-02						
			Saldo Anterior:			29.336,20D
08/01/2024	VR RECTO DUPLICATAS CLIENTES		299 00004	140.624,00		169.960,20D
			Total Dia:	140.624,00		
					0,00	169.960,20D
09/01/2024	VR PGTO DESPESAS AGUA E ESGOTO		957 00004		203,36	169.756,84D
09/01/2024	VR PGTO BOLETO FORNECEDORES		26384 00004		99.670,06	70.086,78D
			Total Dia:	0,00		
					99.873,42	70.086,78D
10/01/2024	VR PGTO TARIFA BANCO		1201 00004		124,22	69.962,56D
10/01/2024	VR PGTO BOLETO FORNECEDORES		26384 00004		3,00	69.959,56D
			Total Dia:	0,00		
					127,22	69.959,56D
11/01/2024	VR RECTO DUPLICATAS CLIENTES		299 00004	24.000,00		93.959,56D
11/01/2024	VR PGTO BOLETO FORNECEDORES		26384 00004		7.919,70	86.039,86D
			Total Dia:	24.000,00		
					7.919,70	86.039,86D
12/01/2024	VR RECTO DUPLICATAS CLIENTES		299 00004	73.799,50		159.839,36D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 2
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
BANCO DO BRASIL (86) 1-1-01-02-02						
			Total Dia:	73.799,50		
					0,00	159.839,36D
16/01/2024	VR PGTO BOLETO FORNECEDORES	26384	00004		7.650,36	152.189,00D
			Total Dia:	0,00		
					7.650,36	152.189,00D
17/01/2024	VR PG DAS SIMPLES NACIONAL N/DATA	26363	00004		64.844,74	87.344,26D
17/01/2024	VR PG TAXA DUA N/DATA	1309	00004		96,25	87.248,01D
17/01/2024	VR PG INSS CONF DARF	26412	00004		145,20	87.102,81D
17/01/2024	VR PGTO BOLETO FORNECEDORES	26384	00004		1.718,97	85.383,84D
			Total Dia:	0,00		
					66.805,16	85.383,84D
19/01/2024	VR PGTO BOLETO FORNECEDORES	26384	00004		6.069,95	79.313,89D
			Total Dia:	0,00		
					6.069,95	79.313,89D
23/01/2024	VR RECTO DUPLICATAS CLIENTES	299	00004	24.000,00		103.313,89D
			Total Dia:	24.000,00		
					0,00	103.313,89D
25/01/2024	VR RECTO DUPLICATAS CLIENTES	299	00004	55.600,00		158.913,89D
			Total Dia:	55.600,00		
					0,00	158.913,89D
26/01/2024	VR RECTO DUPLICATAS CLIENTES	299	00004	49.000,00		207.913,89D
26/01/2024	VR PGTO PIX FORNECEDORES DIVERSOS	26384	00004		32.318,16	175.595,73D
			Total Dia:	49.000,00		
					32.318,16	175.595,73D
31/01/2024	VR RECTO CLIENTES DIVERSOS N/DATA	299	00004	20.000,00		195.595,73D
			Total Dia:	20.000,00		
					0,00	195.595,73D
01/02/2024	VR RECTO DUPLICATAS CLIENTES	299	00004	2.700,00		198.295,73D
			Total Dia:	2.700,00		
					0,00	198.295,73D
02/02/2024	VR RECTO DUPLICATAS CLIENTES	299	00004	113.871,50		312.167,23D
			Total Dia:	113.871,50		
					0,00	312.167,23D
07/02/2024	VR PGTO BOLETO FORNECEDORES	26384	00004		741,24	311.425,99D
07/02/2024	VR RECTO DUPLICATAS CLIENTES	299	00004	25.000,00		336.425,99D
			Total Dia:	25.000,00		
					741,24	336.425,99D
09/02/2024	VR PGTO BOLETO FORNECEDORES	26384	00004		24.903,95	311.522,04D
09/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS	26384	00004		1.040,72	310.481,32D
09/02/2024	VR PGTO DESPESAS DIVERSAS	26188	00004		1.528,26	308.953,06D
			Total Dia:	0,00		
					27.472,93	308.953,06D
14/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS	26384	00004		6.400,00	302.553,06D
14/02/2024	VR RECTO DUPLICATAS CLIENTES	299	00004	13.995,98		316.549,04D
			Total Dia:	13.995,98		
					6.400,00	316.549,04D
15/02/2024	VR PGTO BOLETO FORNECEDORES	26384	00004		4.887,24	311.661,80D
15/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS	26384	00004		6.000,00	305.661,80D
15/02/2024	VR RECTO DUPLICATAS CLIENTES	299	00004	7.900,00		313.561,80D
15/02/2024	VR PGTO DESPESAS ENERGIA	1074	00004		321,76	313.240,04D
15/02/2024	VR PGTO IMPOSTOS CONF EXTRATO	1309	00004		1.179,00	312.061,04D
			Total Dia:	7.900,00		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 3
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
BANCO DO BRASIL (86) 1-1-01-02-02						
					12.388,00	312.061,04D
16/02/2024	VR SUPRIMENTO DE CAIXA REF PGTO		43 00004		52.240,87	259.820,17D
16/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS		26384 00004		7.932,00	251.888,17D
			Total Dia:	0,00		
					60.172,87	251.888,17D
19/02/2024	VR PGTO BOLETO FORNECEDORES		26384 00004		15.032,43	236.855,74D
19/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS		26384 00004		2.000,00	234.855,74D
19/02/2024	VR RECTO DUPLICATAS CLIENTES		299 00004	32.156,00		267.011,74D
19/02/2024	VR PGTO IMPOSTOS CONF EXTRATO		1309 00004		2.248,81	264.762,93D
			Total Dia:	32.156,00		
					19.281,24	264.762,93D
20/02/2024	VR PGTO BOLETO FORNECEDORES		26384 00004		5.168,00	259.594,93D
20/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS		26384 00004		433,66	259.161,27D
20/02/2024	VR RECTO DUPLICATAS CLIENTES		299 00004	171.310,93		430.472,20D
			Total Dia:	171.310,93		
					5.601,66	430.472,20D
21/02/2024	VR RECTO DUPLICATAS CLIENTES		299 00004	4.200,00		434.672,20D
			Total Dia:	4.200,00		
					0,00	434.672,20D
23/02/2024	VR PGTO BOLETO FORNECEDORES		26384 00004		362,50	434.309,70D
23/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS		26384 00004		8.928,00	425.381,70D
			Total Dia:	0,00		
					9.290,50	425.381,70D
26/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS		26384 00004		45.493,50	379.888,20D
			Total Dia:	0,00		
					45.493,50	379.888,20D
27/02/2024	VR PGTO BOLETO FORNECEDORES		26384 00004		358,29	379.529,91D
27/02/2024	VR RECTO DUPLICATAS CLIENTES		299 00004	385,00		379.914,91D
			Total Dia:	385,00		
					358,29	379.914,91D
28/02/2024	VR RECTO DUPLICATAS CLIENTES		299 00004	12.900,00		392.814,91D
			Total Dia:	12.900,00		
					0,00	392.814,91D
29/02/2024	VR RECTO DUPLICATAS CLIENTES		299 00004	2.190,00		395.004,91D
29/02/2024	VR DEBITO TARIFA BANCARIA N/DATA		1201 00004		150,39	394.854,52D
29/02/2024	VR ACERTO SALDO BANCARIO N/DATA		43 00004		148,54	394.705,98D
			Total Dia:	2.190,00		
					298,93	394.705,98D
04/03/2024	VR PGTO BOLETO FORNECEDORES		26384 00004		56.467,28	338.238,70D
04/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS		26384 00004		1.756,52	336.482,18D
			Total Dia:	0,00		
					58.223,80	336.482,18D
05/03/2024	VR PGTO BOLETO FORNECEDORES		26384 00004		8.807,64	327.674,54D
05/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS		26384 00004		2.205,00	325.469,54D
05/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS		26384 00004		4.444,32	321.025,22D
05/03/2024	VR PGTO IMPOSTOS CONF EXTRATO		1309 00004		222,49	320.802,73D
			Total Dia:	0,00		
					15.679,45	320.802,73D
08/03/2024	VR PGTO BOLETO FORNECEDORES		26384 00004		3.691,96	317.110,77D
			Total Dia:	0,00		
					3.691,96	317.110,77D
11/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS		26384 00004		3.273,00	313.837,77D
11/03/2024	VR PGTO BOLETO FORNECEDORES		26384 00004		1.267,10	312.570,67D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 4
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
BANCO DO BRASIL (86) 1-1-01-02-02						
			Total Dia:	0,00		
					4.540,10	312.570,67D
12/03/2024	VR PGTO BOLETO FORNECEDORES	26384	00004		74.115,92	238.454,75D
12/03/2024	VR BB RENDE FACIL	26391	00004		238.360,83	93,92D
			Total Dia:	0,00		
					312.476,75	93,92D
13/03/2024	VR PGTO BOLETO FORNECEDORES	26384	00004		2.002,20	1.908,28C
13/03/2024	VR BB RENDE FACIL	26391	00004	2.060,20		151,92D
13/03/2024	VR PGTO DESPESAS TELEFONE/INTERNET	1112	00004		58,00	93,92D
			Total Dia:	2.060,20		
					2.060,20	93,92D
14/03/2024	VR BB RENDE FACIL	26391	00004		15.600,00	15.506,08C
14/03/2024	VR RECTO DUPLICATAS CLIENTES	299	00004	15.600,00		93,92D
			Total Dia:	15.600,00		
					15.600,00	93,92D
15/03/2024	VR PGTO BOLETO FORNECEDORES	26384	00004		3.502,74	3.408,82C
15/03/2024	VR BB RENDE FACIL	26391	00004		11.697,26	15.106,08C
15/03/2024	VR RECTO DUPLICATAS CLIENTES	299	00004	15.200,00		93,92D
			Total Dia:	15.200,00		
					15.200,00	93,92D
18/03/2024	VR PGTO BOLETO FORNECEDORES	26384	00004		2.329,49	2.235,57C
18/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS	26384	00004		3.914,49	6.150,06C
18/03/2024	VR BB RENDE FACIL	26391	00004		2.212,98	8.363,04C
18/03/2024	VR RECTO DUPLICATAS CLIENTES	299	00004	8.456,96		93,92D
			Total Dia:	8.456,96		
					8.456,96	93,92D
19/03/2024	VR PGTO SIMPLES NACIONAL CONF DAS	26363	00004		19.049,24	18.955,32C
19/03/2024	VR BB RENDE FACIL	26391	00004	19.049,24		93,92D
			Total Dia:	19.049,24		
					19.049,24	93,92D
20/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS	671	00004		155,32	61,40C
20/03/2024	VR BB RENDE FACIL	26391	00004	155,32		93,92D
			Total Dia:	155,32		
					155,32	93,92D
21/03/2024	VR PGTO BOLETO FORNECEDORES	26384	00004		9.430,07	9.336,15C
21/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS	26384	00004		7.999,98	17.336,13C
21/03/2024	VR BB RENDE FACIL	26391	00004	11.430,05		5.906,08C
21/03/2024	VR RECTO DUPLICATAS CLIENTES	299	00004	6.000,00		93,92D
			Total Dia:	17.430,05		
					17.430,05	93,92D
25/03/2024	VR PGTO BOLETO FORNECEDORES	26384	00004		362,50	268,58C
25/03/2024	VR BB RENDE FACIL	26391	00004	362,50		93,92D
			Total Dia:	362,50		
					362,50	93,92D
26/03/2024	VR PGTO BOLETO FORNECEDORES	26384	00004		33.915,61	33.821,69C
26/03/2024	VR BB RENDE FACIL	26391	00004	34.267,69		446,00D
26/03/2024	VR PGTO DESPESA ENERGIA	1074	00004		109,00	337,00D
26/03/2024	VR PGTO DESPESA AGUA	957	00004		243,08	93,92D
			Total Dia:	34.267,69		
					34.267,69	93,92D
27/03/2024	VR PGTO BOLETO FORNECEDORES	26384	00004		358,29	264,37C
27/03/2024	VR BB RENDE FACIL	26391	00004	358,29		93,92D
			Total Dia:	358,29		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)					CARLOS EDUARDO OLIVEIRA DA SILVA	
Razão Geral de 01/01/2024 até 31/12/2024					Livro :0	Folha: 5
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
BANCO DO BRASIL (86) 1-1-01-02-02						
					358,29	93,92D
28/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS	26384	00004		43.750,00	43.656,08C
28/03/2024	VR BB RENDE FACIL	26391	00004	43.750,00		93,92D
	Total Dia:			43.750,00		
					43.750,00	93,92D
31/03/2024	VR DEBITO TARIFA BANCARIA N/MES	1201	00004		93,92	0,00D
	Total Dia:			0,00		
					93,92	0,00D
01/04/2024	VR RECTO DUPLICATAS CLIENTES	299	00004	115.968,00		115.968,00D
01/04/2024	VR BB RENDE FACIL	26391	00004	5.359,83		121.327,83D
	Total Dia:			121.327,83		
					0,00	121.327,83D
02/04/2024	VR PGTO IMPOSTOS CONF EXTRATO	1309	00004		12.888,41	108.439,42D
02/04/2024	VR BB RENDE FACIL	26391	00004	11.896,09		120.335,51D
	Total Dia:			11.896,09		
					12.888,41	120.335,51D
03/04/2024	VR BB RENDE FACIL	26391	00004	2.580,45		122.915,96D
	Total Dia:			2.580,45		
					0,00	122.915,96D
08/04/2024	VR PGTO DESPESA AGUA E ESGOTO	957	00004		765,25	122.150,71D
08/04/2024	VR BB RENDE FACIL	26391	00004	10.125,28		132.275,99D
	Total Dia:			10.125,28		
					765,25	132.275,99D
10/04/2024	VR BB RENDE FACIL	26391	00004		2.149,50	130.126,49D
	Total Dia:			0,00		
					2.149,50	130.126,49D
11/04/2024	VR BB RENDE FACIL	26391	00004	55.501,34		185.627,83D
	Total Dia:			55.501,34		
					0,00	185.627,83D
12/04/2024	VR BB RENDE FACIL	26391	00004	19.368,00		204.995,83D
	Total Dia:			19.368,00		
					0,00	204.995,83D
15/04/2024	VR BB RENDE FACIL	26391	00004	3.561,02		208.556,85D
	Total Dia:			3.561,02		
					0,00	208.556,85D
16/04/2024	VR BB RENDE FACIL	26391	00004	19.176,86		227.733,71D
	Total Dia:			19.176,86		
					0,00	227.733,71D
17/04/2024	VR BB RENDE FACIL	26391	00004	10.625,30		238.359,01D
	Total Dia:			10.625,30		
					0,00	238.359,01D
18/04/2024	VR BB RENDE FACIL	26391	00004	10.941,12		249.300,13D
	Total Dia:			10.941,12		
					0,00	249.300,13D
19/04/2024	VR BB RENDE FACIL	26391	00004	1.406,63		250.706,76D
	Total Dia:			1.406,63		
					0,00	250.706,76D
22/04/2024	VR BB RENDE FACIL	26391	00004	2.086,15		252.792,91D
	Total Dia:			2.086,15		
					0,00	252.792,91D
23/04/2024	VR BB RENDE FACIL	26391	00004		25.667,50	227.125,41D
	Total Dia:			0,00		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 6
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
BANCO DO BRASIL (86) 1-1-01-02-02						
					25.667,50	227.125,41D
24/04/2024	VR BB RENDE FACIL	26391	00004	2.494,94		229.620,35D
			Total Dia:	2.494,94		
					0,00	229.620,35D
25/04/2024	VR BB RENDE FACIL	26391	00004	20.018,19		249.638,54D
			Total Dia:	20.018,19		
					0,00	249.638,54D
26/04/2024	VR BB RENDE FACIL	26391	00004	7.922,97		257.561,51D
			Total Dia:	7.922,97		
					0,00	257.561,51D
29/04/2024	VR BB RENDE FACIL	26391	00004		90,00	257.471,51D
			Total Dia:	0,00		
					90,00	257.471,51D
30/04/2024	VR PGTO BOLETO FORNECEDORES	26384	00004		174.978,20	82.493,31D
30/04/2024	VR PGTO PIX FORNECEDORES DIVERSOS	26384	00004		60.038,92	22.454,39D
30/04/2024	VR DEBITO TARIFA BANCARIA N/MES	1201	00004		111,37	22.343,02D
30/04/2024	VR BB RENDE FACIL	26391	00004		22.343,02	0,00D
			Total Dia:	0,00		
					257.471,51	0,00D
01/05/2024	VR RECTO CLIENTES DIVERSOS N/MES	299	00004	553.792,13		553.792,13D
01/05/2024	VR DEBITO TARIFA BANCARIA N/DATA	1201	00004		82,00	553.710,13D
			Total Dia:	553.792,13		
					82,00	553.710,13D
02/05/2024	VR BB RENDE FACIL	26391	00004	2.155,12		555.865,25D
			Total Dia:	2.155,12		
					0,00	555.865,25D
03/05/2024	VR BB RENDE FACIL	26391	00004	2.500,00		558.365,25D
			Total Dia:	2.500,00		
					0,00	558.365,25D
06/05/2024	VR BB RENDE FACIL	26391	00004		71.761,49	486.603,76D
06/05/2024	VR PGTO IMPOSTOS CONF EXTRATO	1309	00004		2.186,30	484.417,46D
			Total Dia:	0,00		
					73.947,79	484.417,46D
07/05/2024	VR BB RENDE FACIL	26391	00004	1.140,00		485.557,46D
			Total Dia:	1.140,00		
					0,00	485.557,46D
08/05/2024	VR BB RENDE FACIL	26391	00004	16.314,05		501.871,51D
			Total Dia:	16.314,05		
					0,00	501.871,51D
09/05/2024	VR BB RENDE FACIL	26391	00004	22.183,21		524.054,72D
			Total Dia:	22.183,21		
					0,00	524.054,72D
10/05/2024	VR BB RENDE FACIL	26391	00004		61.223,68	462.831,04D
			Total Dia:	0,00		
					61.223,68	462.831,04D
13/05/2024	VR BB RENDE FACIL	26391	00004	66.703,80		529.534,84D
			Total Dia:	66.703,80		
					0,00	529.534,84D
14/05/2024	VR BB RENDE FACIL	26391	00004	10,00		529.544,84D
			Total Dia:	10,00		
					0,00	529.544,84D
15/05/2024	VR BB RENDE FACIL	26391	00004	29.813,17		559.358,01D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 7
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
BANCO DO BRASIL (86) 1-1-01-02-02						
			Total Dia:	29.813,17		
					0,00	559.358,01D
16/05/2024	VR BB RENDE FACIL	26391	00004	2.554,03		561.912,04D
			Total Dia:	2.554,03		
					0,00	561.912,04D
17/05/2024	VR BB RENDE FACIL	26391	00004	4.717,00		566.629,04D
			Total Dia:	4.717,00		
					0,00	566.629,04D
20/05/2024	VR BB RENDE FACIL	26391	00004	4.864,98		571.494,02D
			Total Dia:	4.864,98		
					0,00	571.494,02D
24/05/2024	VR BB RENDE FACIL	26391	00004		13.715,09	557.778,93D
			Total Dia:	0,00		
					13.715,09	557.778,93D
27/05/2024	VR BB RENDE FACIL	26391	00004	17.226,46		575.005,39D
			Total Dia:	17.226,46		
					0,00	575.005,39D
31/05/2024	VR PGTO FORNECEDORES DIVERSOS N/MES	26384	00004		575.005,39	0,00D
			Total Dia:	0,00		
					575.005,39	0,00D
01/06/2024	VR RECTO CLIENTES DIVERSOS N/DATA	299	00004	808.588,72		808.588,72D
01/06/2024	VR DEBITO TARIFA BANCARIA N/DATA	1201	00004		72,00	808.516,72D
			Total Dia:	808.588,72		
					72,00	808.516,72D
18/06/2024	VR PGTO SIMPLES NACIONAL CONF DAS	26363	00004		62.284,92	746.231,80D
			Total Dia:	0,00		
					62.284,92	746.231,80D
25/06/2024	VR PGTO SIMPLES NACIONAL CONF DAS	26363	00004		587,45	745.644,35D
			Total Dia:	0,00		
					587,45	745.644,35D
30/06/2024	VR PGTO FORNECEDORES DIVERSOS N/DATA	26384	00004		688.574,42	57.069,93D
30/06/2024	VR PGTO IMPOSTOS CONF EXTRATO	1309	00004		1.861,61	55.208,32D
30/06/2024	VR BB RENDE FACIL	26391	00004		669.202,92	613.994,60C
30/06/2024	VR BB RENDE FACIL	26391	00004	613.994,60		0,00D
			Total Dia:	613.994,60		
					1.359.638,95	0,00D
01/07/2024	VR RECTO DUPLICATAS DIVERSAS N/MES	299	00004	203.780,90		203.780,90D
01/07/2024	VR BB RENDE FACIL	26391	00004	213.192,90		416.973,80D
01/07/2024	VR BB RENDE FACIL	26391	00004		177.061,12	239.912,68D
			Total Dia:	416.973,80		
					177.061,12	239.912,68D
31/07/2024	VR PGTO FORNECEDORES BOLETO/PIX	26384	00004		239.781,64	131,04D
31/07/2024	VR DEBITO TARIFA BANCARIA N/DATA	1201	00004		131,04	0,00D
			Total Dia:	0,00		
					239.912,68	0,00D
01/08/2024	VR BB RENDE FACIL	26391	00004	317.517,22		317.517,22D
01/08/2024	VR BB RENDE FACIL	26391	00004		610.990,85	293.473,63C
			Total Dia:	317.517,22		
					610.990,85	293.473,63C
19/08/2024	VR PGTO SIMPLES NACIONAL CONF DAS	26363	00004		133.142,09	426.615,72C
			Total Dia:	0,00		
					133.142,09	426.615,72C

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 8
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
BANCO DO BRASIL (86) 1-1-01-02-02						
31/08/2024	VR PGTO FORNECEDORES BOLETO/PIX	26384	00004		214.353,37	640.969,09C
31/08/2024	VR RECTO DUPLICATAS DIVERSAS N/MES	299	00004	641.062,89		93,80D
31/08/2024	VR DEBITO TARIFA BANCARIA N/MES	1201	00004		93,80	0,00D
	Total Dia:			641.062,89		
					214.447,17	0,00D
02/09/2024	VR DEBITO DESPESAS BANCARIA N/MES	1201	00004		93,80	93,80C
	Total Dia:			0,00		
					93,80	93,80C
18/09/2024	VR PGTO SIMPLES NACIONAL CONF DAS	26363	00004		10.903,40	10.997,20C
	Total Dia:			0,00		
					10.903,40	10.997,20C
23/09/2024	VR PGTO IMPOSTOS CONF EXTRATO	1309	00004		3.581,69	14.578,89C
	Total Dia:			0,00		
					3.581,69	14.578,89C
30/09/2024	VR PGTO FORNECEDORES BOLETO/PIX	26384	00004		407.428,88	422.007,77C
30/09/2024	VR RECTO DUPLICATAS DIVERSOS MES	299	00004	601.917,76		179.909,99D
30/09/2024	VR BB RENDE FACIL	26391	00004	277.197,73		457.107,72D
30/09/2024	VR BB RENDE FACIL	26391	00004		457.107,72	0,00D
	Total Dia:			879.115,49		
					864.536,60	0,00D
01/10/2024	VR RECTO DUPLICATAS DIVERSAS MES	299	00004	235.855,00		235.855,00D
01/10/2024	VR DEBITO TARIFA BANCARIA N/ MES	1201	00004		167,37	235.687,63D
01/10/2024	VR BB RENDE FACIL	26391	00004	576.171,21		811.858,84D
01/10/2024	VR BB RENDE FACIL	26391	00004		213.804,13	598.054,71D
	Total Dia:			812.026,21		
					213.971,50	598.054,71D
15/10/2024	VR PGTO SIMPLES NACIONAL CONF DAS	26363	00004		24.265,39	573.789,32D
	Total Dia:			0,00		
					24.265,39	573.789,32D
30/10/2024	VR PGTO TAXAS N/MES	1309	00004		1.735,38	572.053,94D
	Total Dia:			0,00		
					1.735,38	572.053,94D
31/10/2024	VR PGTO FORNECEDORES BOLETO/PIX	26384	00004		572.053,94	0,00D
	Total Dia:			0,00		
					572.053,94	0,00D
05/11/2024	VR PGTO IMPOSTOS CONF EXTRATO	1309	00004		1.747,38	1.747,38C
	Total Dia:			0,00		
					1.747,38	1.747,38C
11/11/2024	VR DEBITO TARIFA BANCARIA N/DATA	1201	00004		87,90	1.835,28C
	Total Dia:			0,00		
					87,90	1.835,28C
18/11/2024	VR PG SIMPLES NACIONAL CONF DAS	26363	00004		79.006,45	80.841,73C
	Total Dia:			0,00		
					79.006,45	80.841,73C
29/11/2024	VR SUPRIMENTO DE CAIXA N/DATA	43	00004		20.000,00	100.841,73C
29/11/2024	VR PGTO FORNECEDORES BOLETO/PIX	26384	00004		252.119,90	352.961,63C
	Total Dia:			0,00		
					272.119,90	352.961,63C
30/11/2024	VR BB RENDE FACIL	26391	00004	158.482,43		194.479,20C
30/11/2024	VR BB RENDE FACIL	26391	00004		312.850,76	507.329,96C
30/11/2024	VR RCBO DUPLICATAS DIVERSAS N/MES	299	00004	507.329,96		0,00D
	Total Dia:			665.812,39		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)					CARLOS EDUARDO OLIVEIRA DA SILVA	
Razão Geral de 01/01/2024 até 31/12/2024					Livro :0	Folha: 9
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
BANCO DO BRASIL (86) 1-1-01-02-02					312.850,76	0,00D
			TOTAIS:	7.108.420,60		
					7.137.756,80	0,00D
BANCO DO BRASIL SA (26391) 1-1-01-03-03						
12/03/2024	VR BB RENDE FACIL		86 00004	238.360,83		238.360,83D
			Total Dia:	238.360,83		
					0,00	238.360,83D
13/03/2024	VR BB RENDE FACIL		86 00004		2.060,20	236.300,63D
			Total Dia:	0,00		
					2.060,20	236.300,63D
14/03/2024	VR BB RENDE FACIL		86 00004	15.600,00		251.900,63D
			Total Dia:	15.600,00		
					0,00	251.900,63D
15/03/2024	VR BB RENDE FACIL		86 00004	11.697,26		263.597,89D
			Total Dia:	11.697,26		
					0,00	263.597,89D
18/03/2024	VR BB RENDE FACIL		86 00004	2.212,98		265.810,87D
			Total Dia:	2.212,98		
					0,00	265.810,87D
19/03/2024	VR BB RENDE FACIL		86 00004		19.049,24	246.761,63D
			Total Dia:	0,00		
					19.049,24	246.761,63D
20/03/2024	VR BB RENDE FACIL		86 00004		155,32	246.606,31D
			Total Dia:	0,00		
					155,32	246.606,31D
21/03/2024	VR BB RENDE FACIL		86 00004		11.430,05	235.176,26D
			Total Dia:	0,00		
					11.430,05	235.176,26D
25/03/2024	VR BB RENDE FACIL		86 00004		362,50	234.813,76D
			Total Dia:	0,00		
					362,50	234.813,76D
26/03/2024	VR BB RENDE FACIL		86 00004		34.267,69	200.546,07D
			Total Dia:	0,00		
					34.267,69	200.546,07D
27/03/2024	VR BB RENDE FACIL		86 00004		358,29	200.187,78D
			Total Dia:	0,00		
					358,29	200.187,78D
28/03/2024	VR BB RENDE FACIL		86 00004		43.750,00	156.437,78D
			Total Dia:	0,00		
					43.750,00	156.437,78D
01/04/2024	VR BB RENDE FACIL		86 00004		5.359,83	151.077,95D
			Total Dia:	0,00		
					5.359,83	151.077,95D
02/04/2024	VR BB RENDE FACIL		86 00004		11.896,09	139.181,86D
			Total Dia:	0,00		
					11.896,09	139.181,86D
03/04/2024	VR BB RENDE FACIL		86 00004		2.580,45	136.601,41D
			Total Dia:	0,00		
					2.580,45	136.601,41D
08/04/2024	VR BB RENDE FACIL		86 00004		10.125,28	126.476,13D
			Total Dia:	0,00		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)					CARLOS EDUARDO OLIVEIRA DA SILVA	
Razão Geral de 01/01/2024 até 31/12/2024					Livro :0	Folha: 10
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
BANCO DO BRASIL SA (26391) 1-1-01-03-03						
					10.125,28	126.476,13D
10/04/2024	VR BB RENDE FACIL		86 00004	2.149,50		128.625,63D
			Total Dia:	2.149,50		
					0,00	128.625,63D
11/04/2024	VR BB RENDE FACIL		86 00004		55.501,34	73.124,29D
			Total Dia:	0,00		
					55.501,34	73.124,29D
12/04/2024	VR BB RENDE FACIL		86 00004		19.368,00	53.756,29D
			Total Dia:	0,00		
					19.368,00	53.756,29D
15/04/2024	VR BB RENDE FACIL		86 00004		3.561,02	50.195,27D
			Total Dia:	0,00		
					3.561,02	50.195,27D
16/04/2024	VR BB RENDE FACIL		86 00004		19.176,86	31.018,41D
			Total Dia:	0,00		
					19.176,86	31.018,41D
17/04/2024	VR BB RENDE FACIL		86 00004		10.625,30	20.393,11D
			Total Dia:	0,00		
					10.625,30	20.393,11D
18/04/2024	VR BB RENDE FACIL		86 00004		10.941,12	9.451,99D
			Total Dia:	0,00		
					10.941,12	9.451,99D
19/04/2024	VR BB RENDE FACIL		86 00004		1.406,63	8.045,36D
			Total Dia:	0,00		
					1.406,63	8.045,36D
22/04/2024	VR BB RENDE FACIL		86 00004		2.086,15	5.959,21D
			Total Dia:	0,00		
					2.086,15	5.959,21D
23/04/2024	VR BB RENDE FACIL		86 00004	25.667,50		31.626,71D
			Total Dia:	25.667,50		
					0,00	31.626,71D
24/04/2024	VR BB RENDE FACIL		86 00004		2.494,94	29.131,77D
			Total Dia:	0,00		
					2.494,94	29.131,77D
25/04/2024	VR BB RENDE FACIL		86 00004		20.018,19	9.113,58D
			Total Dia:	0,00		
					20.018,19	9.113,58D
26/04/2024	VR BB RENDE FACIL		86 00004		7.922,97	1.190,61D
			Total Dia:	0,00		
					7.922,97	1.190,61D
29/04/2024	VR BB RENDE FACIL		86 00004	90,00		1.280,61D
			Total Dia:	90,00		
					0,00	1.280,61D
30/04/2024	VR BB RENDE FACIL		86 00004	22.343,02		23.623,63D
			Total Dia:	22.343,02		
					0,00	23.623,63D
02/05/2024	VR BB RENDE FACIL		86 00004		2.155,12	21.468,51D
			Total Dia:	0,00		
					2.155,12	21.468,51D
03/05/2024	VR BB RENDE FACIL		86 00004		2.500,00	18.968,51D
			Total Dia:	0,00		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)					CARLOS EDUARDO OLIVEIRA DA SILVA	
Razão Geral de 01/01/2024 até 31/12/2024					Livro :0	Folha: 11
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
BANCO DO BRASIL SA (26391) 1-1-01-03-03						
					2.500,00	18.968,51D
06/05/2024	VR BB RENDE FACIL		86 00004	71.761,49		90.730,00D
			Total Dia:	71.761,49		
					0,00	90.730,00D
07/05/2024	VR BB RENDE FACIL		86 00004		1.140,00	89.590,00D
			Total Dia:	0,00		
					1.140,00	89.590,00D
08/05/2024	VR BB RENDE FACIL		86 00004		16.314,05	73.275,95D
			Total Dia:	0,00		
					16.314,05	73.275,95D
09/05/2024	VR BB RENDE FACIL		86 00004		22.183,21	51.092,74D
			Total Dia:	0,00		
					22.183,21	51.092,74D
10/05/2024	VR BB RENDE FACIL		86 00004	61.223,68		112.316,42D
			Total Dia:	61.223,68		
					0,00	112.316,42D
13/05/2024	VR BB RENDE FACIL		86 00004		66.703,80	45.612,62D
			Total Dia:	0,00		
					66.703,80	45.612,62D
14/05/2024	VR BB RENDE FACIL		86 00004		10,00	45.602,62D
			Total Dia:	0,00		
					10,00	45.602,62D
15/05/2024	VR BB RENDE FACIL		86 00004		29.813,17	15.789,45D
			Total Dia:	0,00		
					29.813,17	15.789,45D
16/05/2024	VR BB RENDE FACIL		86 00004		2.554,03	13.235,42D
			Total Dia:	0,00		
					2.554,03	13.235,42D
17/05/2024	VR BB RENDE FACIL		86 00004		4.717,00	8.518,42D
			Total Dia:	0,00		
					4.717,00	8.518,42D
20/05/2024	VR BB RENDE FACIL		86 00004		4.864,98	3.653,44D
			Total Dia:	0,00		
					4.864,98	3.653,44D
24/05/2024	VR BB RENDE FACIL		86 00004	13.715,09		17.368,53D
			Total Dia:	13.715,09		
					0,00	17.368,53D
27/05/2024	VR BB RENDE FACIL		86 00004		17.226,46	142,07D
			Total Dia:	0,00		
					17.226,46	142,07D
30/06/2024	VR BB RENDE FACIL		86 00004	669.202,92		669.344,99D
30/06/2024	VR BB RENDE FACIL		86 00004		613.994,60	55.350,39D
			Total Dia:	669.202,92		
					613.994,60	55.350,39D
01/07/2024	VR BB RENDE FACIL		86 00004		213.192,90	157.842,51C
01/07/2024	VR BB RENDE FACIL		86 00004	177.061,12		19.218,61D
			Total Dia:	177.061,12		
					213.192,90	19.218,61D
01/08/2024	VR BB RENDE FACIL		86 00004		317.517,22	298.298,61C
01/08/2024	VR BB RENDE FACIL		86 00004	610.990,85		312.692,24D
			Total Dia:	610.990,85		
					317.517,22	312.692,24D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)					CARLOS EDUARDO OLIVEIRA DA SILVA	
Razão Geral de 01/01/2024 até 31/12/2024					Livro :0	Folha: 12
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
BANCO DO BRASIL SA (26391) 1-1-01-03-03						
30/09/2024	VR BB RENDE FACIL		86 00004		277.197,73	35.494,51D
30/09/2024	VR BB RENDE FACIL		86 00004	457.107,72		492.602,23D
			Total Dia:	457.107,72		
					277.197,73	492.602,23D
01/10/2024	VR BB RENDE FACIL		86 00004		576.171,21	83.568,98C
01/10/2024	VR BB RENDE FACIL		86 00004	213.804,13		130.235,15D
			Total Dia:	213.804,13		
					576.171,21	130.235,15D
30/11/2024	VR BB RENDE FACIL		86 00004		158.482,43	28.247,28C
30/11/2024	VR BB RENDE FACIL		86 00004	312.850,76		284.603,48D
			Total Dia:	312.850,76		
					158.482,43	284.603,48D
				TOTAIS:	2.905.838,85	
					2.621.235,37	284.603,48D
ESTOQUES DE MERCADORIA (256) 1-1-01-04-03						
			Saldo Anterior:			451.314,96D
14/02/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	1.222,13		452.537,09D
14/02/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	237,35		452.774,44D
			Total Dia:	1.459,48		
					0,00	452.774,44D
15/02/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	6.518,51		459.292,95D
15/02/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	13.672,40		472.965,35D
15/02/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	274,95		473.240,30D
			Total Dia:	20.465,86		
					0,00	473.240,30D
08/03/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	1.905,12		475.145,42D
			Total Dia:	1.905,12		
					0,00	475.145,42D
11/03/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	584,81		475.730,23D
			Total Dia:	584,81		
					0,00	475.730,23D
12/03/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	553,35		476.283,58D
			Total Dia:	553,35		
					0,00	476.283,58D
19/03/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	2.661,59		478.945,17D
			Total Dia:	2.661,59		
					0,00	478.945,17D
26/03/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	52.379,00		531.324,17D
26/03/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	3.195,56		534.519,73D
			Total Dia:	55.574,56		
					0,00	534.519,73D
27/03/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	279,50		534.799,23D
27/03/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	2.120,40		536.919,63D
			Total Dia:	2.399,90		
					0,00	536.919,63D
28/03/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	1.253,00		538.172,63D
28/03/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	6.800,80		544.973,43D
			Total Dia:	8.053,80		
					0,00	544.973,43D
29/03/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	214,08		545.187,51D
			Total Dia:	214,08		
					0,00	545.187,51D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 13
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
ESTOQUES DE MERCADORIA (256) 1-1-01-04-03						
02/04/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	116.677,89		661.865,40D
	Total Dia:			116.677,89		
					0,00	661.865,40D
04/04/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	1.747,63		663.613,03D
	Total Dia:			1.747,63		
					0,00	663.613,03D
16/04/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	6.628,70		670.241,73D
	Total Dia:			6.628,70		
					0,00	670.241,73D
18/04/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	15.776,36		686.018,09D
18/04/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	398,35		686.416,44D
	Total Dia:			16.174,71		
					0,00	686.416,44D
19/04/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	4.142,08		690.558,52D
	Total Dia:			4.142,08		
					0,00	690.558,52D
07/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	364,23		690.922,75D
07/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	883,50		691.806,25D
	Total Dia:			1.247,73		
					0,00	691.806,25D
08/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	4.138,85		695.945,10D
	Total Dia:			4.138,85		
					0,00	695.945,10D
09/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	4.328,27		700.273,37D
	Total Dia:			4.328,27		
					0,00	700.273,37D
10/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	21.411,63		721.685,00D
10/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	583,66		722.268,66D
	Total Dia:			21.995,29		
					0,00	722.268,66D
11/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	2.912,70		725.181,36D
	Total Dia:			2.912,70		
					0,00	725.181,36D
15/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	177.600,00		902.781,36D
	Total Dia:			177.600,00		
					0,00	902.781,36D
17/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	3.994,98		906.776,34D
	Total Dia:			3.994,98		
					0,00	906.776,34D
22/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	3.456,01		910.232,35D
22/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	148,34		910.380,69D
22/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	2.009,97		912.390,66D
	Total Dia:			5.614,32		
					0,00	912.390,66D
23/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	144.900,50		1.057.291,16D
23/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	3.852,53		1.061.143,69D
	Total Dia:			148.753,03		
					0,00	1.061.143,69D
24/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	17.875,96		1.079.019,65D
	Total Dia:			17.875,96		
					0,00	1.079.019,65D
29/05/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	14.945,65		1.093.965,30D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 14
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
ESTOQUES DE MERCADORIA (256) 1-1-01-04-03						
			Total Dia:	14.945,65		
					0,00	1.093.965,30D
10/06/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	465.520,00		1.559.485,30D
			Total Dia:	465.520,00		
					0,00	1.559.485,30D
11/06/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	6.054,84		1.565.540,14D
11/06/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	99,66		1.565.639,80D
			Total Dia:	6.154,50		
					0,00	1.565.639,80D
05/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	535,32		1.566.175,12D
05/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	5.581,79		1.571.756,91D
			Total Dia:	6.117,11		
					0,00	1.571.756,91D
09/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	14.916,68		1.586.673,59D
			Total Dia:	14.916,68		
					0,00	1.586.673,59D
10/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	459,22		1.587.132,81D
10/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	278,65		1.587.411,46D
10/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	368,93		1.587.780,39D
10/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	459,22		1.588.239,61D
			Total Dia:	1.566,02		
					0,00	1.588.239,61D
11/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	1.204,59		1.589.444,20D
11/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	446,29		1.589.890,49D
11/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	5.727,78		1.595.618,27D
11/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	677,38		1.596.295,65D
11/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	5.036,21		1.601.331,86D
			Total Dia:	13.092,25		
					0,00	1.601.331,86D
15/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	1.132,66		1.602.464,52D
			Total Dia:	1.132,66		
					0,00	1.602.464,52D
25/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	8.377,70		1.610.842,22D
25/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	183,27		1.611.025,49D
25/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	701,09		1.611.726,58D
25/07/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	273,87		1.612.000,45D
			Total Dia:	9.535,93		
					0,00	1.612.000,45D
01/08/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	156.494,35		1.768.494,80D
01/08/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	5.000,14		1.773.494,94D
			Total Dia:	161.494,49		
					0,00	1.773.494,94D
05/08/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	9.063,75		1.782.558,69D
			Total Dia:	9.063,75		
					0,00	1.782.558,69D
07/08/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	10.546,32		1.793.105,01D
			Total Dia:	10.546,32		
					0,00	1.793.105,01D
13/08/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	331,29		1.793.436,30D
13/08/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	534,81		1.793.971,11D
			Total Dia:	866,10		
					0,00	1.793.971,11D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)					CARLOS EDUARDO OLIVEIRA DA SILVA	
Razão Geral de 01/01/2024 até 31/12/2024					Livro :0	Folha: 15
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
ESTOQUES DE MERCADORIA (256) 1-1-01-04-03						
14/08/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	2.072,66		1.796.043,77D
14/08/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	883,50		1.796.927,27D
	Total Dia:			2.956,16		
					0,00	1.796.927,27D
21/08/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	49.069,95		1.845.997,22D
	Total Dia:			49.069,95		
					0,00	1.845.997,22D
03/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	510,28		1.846.507,50D
	Total Dia:			510,28		
					0,00	1.846.507,50D
05/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	19.185,07		1.865.692,57D
05/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	228,98		1.865.921,55D
	Total Dia:			19.414,05		
					0,00	1.865.921,55D
07/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	6.057,78		1.871.979,33D
	Total Dia:			6.057,78		
					0,00	1.871.979,33D
09/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	205,46		1.872.184,79D
	Total Dia:			205,46		
					0,00	1.872.184,79D
16/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	2.138,07		1.874.322,86D
16/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	19.541,31		1.893.864,17D
	Total Dia:			21.679,38		
					0,00	1.893.864,17D
17/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	7.984,92		1.901.849,09D
	Total Dia:			7.984,92		
					0,00	1.901.849,09D
18/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	17.711,13		1.919.560,22D
	Total Dia:			17.711,13		
					0,00	1.919.560,22D
19/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	6.356,19		1.925.916,41D
19/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	1.568,16		1.927.484,57D
19/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	158,81		1.927.643,38D
19/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	253,21		1.927.896,59D
19/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	18,26		1.927.914,85D
	Total Dia:			8.354,63		
					0,00	1.927.914,85D
21/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	12.398,03		1.940.312,88D
21/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	519,84		1.940.832,72D
	Total Dia:			12.917,87		
					0,00	1.940.832,72D
25/09/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	87.187,29		2.028.020,01D
	Total Dia:			87.187,29		
					0,00	2.028.020,01D
14/10/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	45.484,42		2.073.504,43D
	Total Dia:			45.484,42		
					0,00	2.073.504,43D
15/10/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	573,12		2.074.077,55D
15/10/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	152,64		2.074.230,19D
15/10/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	2.175,14		2.076.405,33D
	Total Dia:			2.900,90		
					0,00	2.076.405,33D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 16
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
ESTOQUES DE MERCADORIA (256) 1-1-01-04-03						
16/10/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	1.985,62		2.078.390,95D
16/10/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	280,92		2.078.671,87D
16/10/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	60.645,88		2.139.317,75D
	Total Dia:			62.912,42		
					0,00	2.139.317,75D
18/10/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	857,41		2.140.175,16D
	Total Dia:			857,41		
					0,00	2.140.175,16D
24/10/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	26.351,05		2.166.526,21D
	Total Dia:			26.351,05		
					0,00	2.166.526,21D
29/10/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	79.053,15		2.245.579,36D
	Total Dia:			79.053,15		
					0,00	2.245.579,36D
30/10/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	14.073,53		2.259.652,89D
30/10/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	26.351,05		2.286.003,94D
	Total Dia:			40.424,58		
					0,00	2.286.003,94D
31/10/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	3.386,46		2.289.390,40D
31/10/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	6.085,42		2.295.475,82D
	Total Dia:			9.471,88		
					0,00	2.295.475,82D
07/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	47.737,41		2.343.213,23D
	Total Dia:			47.737,41		
					0,00	2.343.213,23D
11/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	4.083,19		2.347.296,42D
	Total Dia:			4.083,19		
					0,00	2.347.296,42D
12/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	2.185,10		2.349.481,52D
12/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	2.659,97		2.352.141,49D
12/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	56.853,76		2.408.995,25D
12/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	2.840,55		2.411.835,80D
	Total Dia:			64.539,38		
					0,00	2.411.835,80D
13/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	16.324,21		2.428.160,01D
13/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	137.059,66		2.565.219,67D
13/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	4.546,00		2.569.765,67D
13/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	206,25		2.569.971,92D
13/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	5.609,95		2.575.581,87D
	Total Dia:			163.746,07		
					0,00	2.575.581,87D
14/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	8.673,05		2.584.254,92D
14/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	6.032,20		2.590.287,12D
14/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	10.669,64		2.600.956,76D
14/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	533,64		2.601.490,40D
	Total Dia:			25.908,53		
					0,00	2.601.490,40D
26/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	9.925,01		2.611.415,41D
26/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	11.996,50		2.623.411,91D
	Total Dia:			21.921,51		
					0,00	2.623.411,91D
27/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	47.380,40		2.670.792,31D
	Total Dia:			47.380,40		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 17
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
ESTOQUES DE MERCADORIA (256) 1-1-01-04-03						
					0,00	2.670.792,31D
28/11/2024	Valor Ref a compra para estoque conforme DOC	26384	00005	37.288,65		2.708.080,96D
		Total Dia:		37.288,65		
					0,00	2.708.080,96D
31/12/2024	VR CMV CONF APURACAO ANO	2208	00001		2.065.960,38	642.120,58D
		Total Dia:		0,00		
					2.065.960,38	642.120,58D
				TOTAIS:	2.256.766,00	
					2.065.960,38	642.120,58D
DUPLICATAS A RECEBER (299) 1-1-01-05-04						
			Saldo Anterior:			1.267.413,70D
08/01/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		140.624,00	1.126.789,70D
		Total Dia:		0,00		
					140.624,00	1.126.789,70D
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 169-	25666	00001	13.800,00		1.140.589,70D
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 170-	25666	00001	14.532,12		1.155.121,82D
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 171-	25666	00001	2.409,23		1.157.531,05D
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 172-	25666	00001	2.870,00		1.160.401,05D
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 173-	25666	00001	2.870,00		1.163.271,05D
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 174-	25666	00001	2.870,00		1.166.141,05D
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 175-	25666	00001	24.000,00		1.190.141,05D
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 176-	25666	00001	12.000,00		1.202.141,05D
		Total Dia:		75.351,35		
					0,00	1.202.141,05D
11/01/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		24.000,00	1.178.141,05D
		Total Dia:		0,00		
					24.000,00	1.178.141,05D
12/01/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		73.799,50	1.104.341,55D
		Total Dia:		0,00		
					73.799,50	1.104.341,55D
15/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 177-	25666	00001	3.720,00		1.108.061,55D
15/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 178-	25666	00001	6.760,00		1.114.821,55D
15/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 179-	25666	00001	2.700,00		1.117.521,55D
15/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 180-	25666	00001	20.000,00		1.137.521,55D
15/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 181-	25666	00001	32.000,00		1.169.521,55D
		Total Dia:		65.180,00		
					0,00	1.169.521,55D
16/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 182-	25666	00001	1.349,00		1.170.870,55D
16/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 183-	25666	00001	15.600,00		1.186.470,55D
16/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 184-	25666	00001	3.700,00		1.190.170,55D
16/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 185-	25666	00001	679,00		1.190.849,55D
16/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 186-	25666	00001	131.264,00		1.322.113,55D
16/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 186-	25666	00001	1.400,00		1.323.513,55D
16/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 186-	25666	00001	1.400,00		1.324.913,55D
		Total Dia:		155.392,00		
					0,00	1.324.913,55D
17/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 187-	25666	00001	1.889,00		1.326.802,55D
17/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 188-	25666	00001	6.000,00		1.332.802,55D
		Total Dia:		7.889,00		
					0,00	1.332.802,55D
19/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 189-	25666	00001	42.455,40		1.375.257,95D
19/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 190-	25666	00001	6.000,00		1.381.257,95D
		Total Dia:		48.455,40		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 18
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
DUPLICATAS A RECEBER (299) 1-1-01-05-04						
					0,00	1.381.257,95D
22/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 191-	25666	00001	1.066,00		1.382.323,95D
22/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 192-	25666	00001	78,00		1.382.401,95D
22/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 193-	25666	00001	78,00		1.382.479,95D
	Total Dia:			1.222,00		
					0,00	1.382.479,95D
23/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 194-	25666	00001	25.798,00		1.408.277,95D
23/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 195-	25666	00001	3.997,80		1.412.275,75D
23/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 196-	25666	00001	15.300,00		1.427.575,75D
23/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 197-	25666	00001	2.700,00		1.430.275,75D
23/01/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		24.000,00	1.406.275,75D
	Total Dia:			47.795,80		
					24.000,00	1.406.275,75D
24/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 198-	25666	00001	385,00		1.406.660,75D
24/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 199-	25666	00001	7.900,00		1.414.560,75D
	Total Dia:			8.285,00		
					0,00	1.414.560,75D
25/01/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		55.600,00	1.358.960,75D
	Total Dia:			0,00		
					55.600,00	1.358.960,75D
26/01/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		49.000,00	1.309.960,75D
	Total Dia:			0,00		
					49.000,00	1.309.960,75D
29/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 200-	25666	00001	94.958,56		1.404.919,31D
	Total Dia:			94.958,56		
					0,00	1.404.919,31D
31/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 201-	25666	00001	26.100,00		1.431.019,31D
31/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 201-	25666	00001	600,00		1.431.619,31D
31/01/2024	VR RECTO CLIENTES DIVERSOS N/DATA	86	00004		20.000,00	1.411.619,31D
	Total Dia:			26.700,00		
					20.000,00	1.411.619,31D
01/02/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		2.700,00	1.408.919,31D
	Total Dia:			0,00		
					2.700,00	1.408.919,31D
02/02/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		113.871,50	1.295.047,81D
	Total Dia:			0,00		
					113.871,50	1.295.047,81D
07/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 202-	25666	00001	14.599,00		1.309.646,81D
07/02/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		25.000,00	1.284.646,81D
	Total Dia:			14.599,00		
					25.000,00	1.284.646,81D
08/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 203-	25666	00001	718,00		1.285.364,81D
	Total Dia:			718,00		
					0,00	1.285.364,81D
14/02/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		13.995,98	1.271.368,83D
	Total Dia:			0,00		
					13.995,98	1.271.368,83D
15/02/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		7.900,00	1.263.468,83D
15/02/2024	VR PGTO DESPESAS INTERNET/TELEFONE	1112	00004		148,54	1.263.320,29D
	Total Dia:			0,00		
					8.048,54	1.263.320,29D
16/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 204-	25666	00001	280,00		1.263.600,29D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 19
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
DUPLICATAS A RECEBER (299) 1-1-01-05-04						
			Total Dia:	280,00		
					0,00	1.263.600,29D
19/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 205-	25666	00001	750,00		1.264.350,29D
19/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 205-	25666	00001	3.340,00		1.267.690,29D
19/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 207-	25666	00001	95.400,00		1.363.090,29D
19/02/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		32.156,00	1.330.934,29D
			Total Dia:	99.490,00		
					32.156,00	1.330.934,29D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 208-	25666	00001	900,00		1.331.834,29D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 209-	25666	00001	900,00		1.332.734,29D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 210-	25666	00001	360,00		1.333.094,29D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 211-	25666	00001	287,00		1.333.381,29D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 212-	25666	00001	9.800,00		1.343.181,29D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 212-	25666	00001	100,00		1.343.281,29D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 212-	25666	00001	100,00		1.343.381,29D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 213-	25666	00001	9.800,00		1.353.181,29D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 213-	25666	00001	100,00		1.353.281,29D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 213-	25666	00001	100,00		1.353.381,29D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 214-	25666	00001	2.051,00		1.355.432,29D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 215-	25666	00001	15.200,00		1.370.632,29D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 217-	25666	00001	648,64		1.371.280,93D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 218-	25666	00001	4.920,00		1.376.200,93D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 219-	25666	00001	2.460,00		1.378.660,93D
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 216-	25968	00005		648,64	1.378.012,29D
20/02/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		171.310,93	1.206.701,36D
			Total Dia:	47.726,64		
					171.959,57	1.206.701,36D
21/02/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		4.200,00	1.202.501,36D
			Total Dia:	0,00		
					4.200,00	1.202.501,36D
27/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 220-	25666	00001	10.555,00		1.213.056,36D
27/02/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		385,00	1.212.671,36D
			Total Dia:	10.555,00		
					385,00	1.212.671,36D
28/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 221-	25666	00001	2.051,00		1.214.722,36D
28/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 222-	25666	00001	2.051,00		1.216.773,36D
28/02/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		12.900,00	1.203.873,36D
			Total Dia:	4.102,00		
					12.900,00	1.203.873,36D
29/02/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		2.190,00	1.201.683,36D
			Total Dia:	0,00		
					2.190,00	1.201.683,36D
06/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 224-	25666	00001	15.200,00		1.216.883,36D
06/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 223-	25968	00005		15.200,00	1.201.683,36D
			Total Dia:	15.200,00		
					15.200,00	1.201.683,36D
07/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 227-	25666	00001	900,00		1.202.583,36D
07/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 228-	25666	00001	900,00		1.203.483,36D
07/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 225-	25968	00005		900,00	1.202.583,36D
07/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 226-	25968	00005		900,00	1.201.683,36D
			Total Dia:	1.800,00		
					1.800,00	1.201.683,36D
08/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 229-	25968	00005		780,00	1.200.903,36D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 20
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
DUPLICATAS A RECEBER (299) 1-1-01-05-04						
			Total Dia:	0,00		
					780,00	1.200.903,36D
11/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 230-	25666	00001	3.300,00		1.204.203,36D
			Total Dia:	3.300,00		
					0,00	1.204.203,36D
14/03/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		15.600,00	1.188.603,36D
			Total Dia:	0,00		
					15.600,00	1.188.603,36D
15/03/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		15.200,00	1.173.403,36D
			Total Dia:	0,00		
					15.200,00	1.173.403,36D
18/03/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		8.456,96	1.164.946,40D
			Total Dia:	0,00		
					8.456,96	1.164.946,40D
20/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 232-	25666	00001	22.240,00		1.187.186,40D
20/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 233-	25666	00001	900,00		1.188.086,40D
20/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 234-	25666	00001	3.790,00		1.191.876,40D
20/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 231-	25968	00005		27.899,00	1.163.977,40D
			Total Dia:	26.930,00		
					27.899,00	1.163.977,40D
21/03/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		6.000,00	1.157.977,40D
			Total Dia:	0,00		
					6.000,00	1.157.977,40D
26/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 235-	25666	00001	2.051,00		1.160.028,40D
			Total Dia:	2.051,00		
					0,00	1.160.028,40D
28/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 236-	25666	00001	280,00		1.160.308,40D
			Total Dia:	280,00		
					0,00	1.160.308,40D
01/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 237-	25666	00001	3.260,00		1.163.568,40D
01/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 238-	25666	00001	8.664,00		1.172.232,40D
01/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 238-	25666	00001	10.518,13		1.182.750,53D
01/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 239-	25666	00001	3.893,00		1.186.643,53D
01/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 240-	25666	00001	90,00		1.186.733,53D
01/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 241-	25666	00001	18.214,08		1.204.947,61D
01/04/2024	VR RECTO DUPLICATAS CLIENTES	86	00004		115.968,00	1.088.979,61D
			Total Dia:	44.639,21		
					115.968,00	1.088.979,61D
02/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 242-	25666	00001	1.800,00		1.090.779,61D
			Total Dia:	1.800,00		
					0,00	1.090.779,61D
03/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 243-	25666	00001	599,50		1.091.379,11D
03/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 244-	25666	00001	1.954,00		1.093.333,11D
03/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 245-	25666	00001	180.000,00		1.273.333,11D
			Total Dia:	182.553,50		
					0,00	1.273.333,11D
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 246-	25666	00001	798,00		1.274.131,11D
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 247-	25666	00001	2.394,00		1.276.525,11D
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 248-	25666	00001	798,00		1.277.323,11D
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 249-	25666	00001	1.800,00		1.279.123,11D
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 250-	25666	00001	6.300,00		1.285.423,11D
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 251-	25666	00001	8.300,00		1.293.723,11D
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 252-	25666	00001	324,00		1.294.047,11D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 21
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
DUPLICATAS A RECEBER (299) 1-1-01-05-04						
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 252-	25666	00001	1.126,02		1.295.173,13D
	Total Dia:			21.840,02		
					0,00	1.295.173,13D
05/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 253-	25666	00001	92.400,00		1.387.573,13D
05/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 253-	25666	00001	3.600,00		1.391.173,13D
	Total Dia:			96.000,00		
					0,00	1.391.173,13D
08/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 254-	25666	00001	898,80		1.392.071,93D
	Total Dia:			898,80		
					0,00	1.392.071,93D
16/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 255-	25666	00001	11.000,00		1.403.071,93D
	Total Dia:			11.000,00		
					0,00	1.403.071,93D
18/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 256-	25666	00001	140,00		1.403.211,93D
	Total Dia:			140,00		
					0,00	1.403.211,93D
19/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 257-	25666	00001	10.300,00		1.413.511,93D
19/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 258-	25666	00001	48.150,00		1.461.661,93D
	Total Dia:			58.450,00		
					0,00	1.461.661,93D
23/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 259-	25666	00001	4.830,00		1.466.491,93D
	Total Dia:			4.830,00		
					0,00	1.466.491,93D
25/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 260-	25666	00001	5.579,80		1.472.071,73D
	Total Dia:			5.579,80		
					0,00	1.472.071,73D
30/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 261-	25666	00001	1.175,00		1.473.246,73D
	Total Dia:			1.175,00		
					0,00	1.473.246,73D
01/05/2024	VR RECTO CLIENTES DIVERSOS N/MES	86	00004		553.792,13	919.454,60D
	Total Dia:			0,00		
					553.792,13	919.454,60D
02/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 262-	25666	00001	20.790,00		940.244,60D
02/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 262-	25666	00001	150,00		940.394,60D
02/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 262-	25666	00001	150,00		940.544,60D
02/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 263-	25666	00001	712,00		941.256,60D
02/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 264-	25666	00001	44.835,00		986.091,60D
	Total Dia:			66.637,00		
					0,00	986.091,60D
08/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 265-	25666	00001	977,00		987.068,60D
	Total Dia:			977,00		
					0,00	987.068,60D
13/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 266-	25666	00001	10.800,00		997.868,60D
13/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 267-	25666	00001	33.100,00		1.030.968,60D
	Total Dia:			43.900,00		
					0,00	1.030.968,60D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 268-	25666	00001	180,00		1.031.148,60D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 269-	25666	00001	78,00		1.031.226,60D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 270-	25666	00001	78,00		1.031.304,60D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 271-	25666	00001	403,00		1.031.707,60D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 272-	25666	00001	750,00		1.032.457,60D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 273-	25666	00001	1.362,00		1.033.819,60D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 22
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
DUPLICATAS A RECEBER (299) 1-1-01-05-04						
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 274-	25666	00001	5.040,00		1.038.859,60D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 274-	25666	00001	600,00		1.039.459,60D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 274-	25666	00001	17.400,00		1.056.859,60D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 275-	25666	00001	15.988,57		1.072.848,17D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 276-	25666	00001	9.520,00		1.082.368,17D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 277-	25666	00001	2.380,00		1.084.748,17D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 278-	25666	00001	2.380,00		1.087.128,17D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 279-	25666	00001	2.380,00		1.089.508,17D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 280-	25666	00001	2.380,00		1.091.888,17D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 281-	25666	00001	2.380,00		1.094.268,17D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 282-	25666	00001	2.380,00		1.096.648,17D
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 283-	25666	00001	2.380,00		1.099.028,17D
		Total Dia:		68.059,57		
					0,00	1.099.028,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 284-	25666	00001	4.760,00		1.103.788,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 285-	25666	00001	4.760,00		1.108.548,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 286-	25666	00001	4.760,00		1.113.308,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 287-	25666	00001	4.760,00		1.118.068,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 288-	25666	00001	7.140,00		1.125.208,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 289-	25666	00001	7.140,00		1.132.348,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 290-	25666	00001	2.380,00		1.134.728,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 291-	25666	00001	2.380,00		1.137.108,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 292-	25666	00001	2.380,00		1.139.488,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 293-	25666	00001	18.525,00		1.158.013,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 294-	25666	00001	2.925,00		1.160.938,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 295-	25666	00001	9.750,00		1.170.688,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 296-	25666	00001	20.475,00		1.191.163,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 297-	25666	00001	22.425,00		1.213.588,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 298-	25666	00001	23.400,00		1.236.988,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 299-	25666	00001	20.475,00		1.257.463,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 300-	25666	00001	5.850,00		1.263.313,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 301-	25666	00001	9.750,00		1.273.063,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 302-	25666	00001	29.250,00		1.302.313,17D
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 303-	25666	00001	54.600,00		1.356.913,17D
		Total Dia:		257.885,00		
					0,00	1.356.913,17D
20/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 304-	25666	00001	4.195,50		1.361.108,67D
		Total Dia:		4.195,50		
					0,00	1.361.108,67D
22/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 306-	25666	00001	11.000,00		1.372.108,67D
22/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 307-	25666	00001	15.600,00		1.387.708,67D
22/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 305-	25968	00005		11.000,00	1.376.708,67D
		Total Dia:		26.600,00		
					11.000,00	1.376.708,67D
28/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 311-	25666	00001	88.200,00		1.464.908,67D
		Total Dia:		88.200,00		
					0,00	1.464.908,67D
01/06/2024	VR RECTO CLIENTES DIVERSOS N/DATA	86	00004		808.588,72	656.319,95D
		Total Dia:		0,00		
					808.588,72	656.319,95D
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 312-	25666	00001	1.800,00		658.119,95D
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 313-	25666	00001	1.800,00		659.919,95D
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 314-	25666	00001	4.300,00		664.219,95D
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 315-	25666	00001	1.750,00		665.969,95D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 23
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
DUPLICATAS A RECEBER (299) 1-1-01-05-04						
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 315-	25666	00001	54,00		666.023,95D
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 315-	25666	00001	250,00		666.273,95D
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 316-	25666	00001	75,00		666.348,95D
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 317-	25666	00001	545,00		666.893,95D
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 318-	25666	00001	180,00		667.073,95D
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 319-	25666	00001	816,00		667.889,95D
	Total Dia:			11.570,00		
					0,00	667.889,95D
06/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 320-	25666	00001	145,46		668.035,41D
06/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 321-	25666	00001	450,00		668.485,41D
06/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 322-	25666	00001	20.000,00		688.485,41D
06/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 323-	25666	00001	4.099,00		692.584,41D
06/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 324-	25666	00001	4.600,00		697.184,41D
06/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 325-	25666	00001	5.720,00		702.904,41D
	Total Dia:			35.014,46		
					0,00	702.904,41D
18/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 326-	25666	00001	1.064,00		703.968,41D
	Total Dia:			1.064,00		
					0,00	703.968,41D
24/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 327-	25666	00001	118.000,00		821.968,41D
	Total Dia:			118.000,00		
					0,00	821.968,41D
28/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 329-	25666	00001	63.000,00		884.968,41D
28/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 328-	25968	00005		88.200,00	796.768,41D
	Total Dia:			63.000,00		
					88.200,00	796.768,41D
30/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 330-	25968	00005		118.000,00	678.768,41D
	Total Dia:			0,00		
					118.000,00	678.768,41D
01/07/2024	VR RECTO DUPLICATAS DIVERSAS N/MES	86	00004		203.780,90	474.987,51D
	Total Dia:			0,00		
					203.780,90	474.987,51D
03/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 331-	25666	00001	6.600,00		481.587,51D
03/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 332-	25666	00001	26.325,00		507.912,51D
	Total Dia:			32.925,00		
					0,00	507.912,51D
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 333-	25666	00001	12.600,00		520.512,51D
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 334-	25666	00001	2.400,00		522.912,51D
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 335-	25666	00001	4.249,00		527.161,51D
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 336-	25666	00001	7.199,98		534.361,49D
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 337-	25666	00001	23.970,00		558.331,49D
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 339-	25666	00001	26.325,00		584.656,49D
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 340-	25666	00001	11.000,00		595.656,49D
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 341-	25666	00001	698,42		596.354,91D
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 338-	25968	00005		26.325,00	570.029,91D
	Total Dia:			88.442,40		
					26.325,00	570.029,91D
12/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 342-	25666	00001	2.240,00		572.269,91D
12/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 343-	25666	00001	11.200,00		583.469,91D
12/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 344-	25666	00001	5.600,00		589.069,91D
12/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 345-	25666	00001	180,20		589.250,11D
12/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 346-	25666	00001	7.700,00		596.950,11D
12/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 347-	25666	00001	19.250,00		616.200,11D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 24
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
DUPLICATAS A RECEBER (299) 1-1-01-05-04						
12/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 348-	25666	00001	38.500,00		654.700,11D
			Total Dia:	84.670,20		
					0,00	654.700,11D
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 349-	25666	00001	6.200,00		660.900,11D
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 349-	25666	00001	6.400,00		667.300,11D
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 350-	25666	00001	2.051,00		669.351,11D
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 351-	25666	00001	437,28		669.788,39D
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 352-	25666	00001	816,00		670.604,39D
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 353-	25666	00001	218,64		670.823,03D
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 354-	25666	00001	437,28		671.260,31D
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 355-	25666	00001	665,96		671.926,27D
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 356-	25666	00001	250,00		672.176,27D
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 357-	25666	00001	2.051,00		674.227,27D
			Total Dia:	19.527,16		
					0,00	674.227,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 358-	25666	00001	2.925,00		677.152,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 359-	25666	00001	2.925,00		680.077,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 360-	25666	00001	19.500,00		699.577,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 361-	25666	00001	975,00		700.552,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 362-	25666	00001	7.800,00		708.352,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 363-	25666	00001	35.100,00		743.452,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 364-	25666	00001	1.950,00		745.402,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 365-	25666	00001	7.800,00		753.202,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 366-	25666	00001	18.525,00		771.727,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 367-	25666	00001	2.925,00		774.652,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 368-	25666	00001	10.725,00		785.377,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 369-	25666	00001	18.525,00		803.902,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 370-	25666	00001	12.675,00		816.577,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 371-	25666	00001	29.250,00		845.827,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 372-	25666	00001	37.050,00		882.877,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 373-	25666	00001	10.725,00		893.602,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 374-	25666	00001	27.300,00		920.902,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 375-	25666	00001	2.925,00		923.827,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 376-	25666	00001	975,00		924.802,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 377-	25666	00001	975,00		925.777,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 378-	25666	00001	14.625,00		940.402,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 379-	25666	00001	1.950,00		942.352,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 380-	25666	00001	7.800,00		950.152,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 381-	25666	00001	22.425,00		972.577,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 382-	25666	00001	7.800,00		980.377,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 383-	25666	00001	975,00		981.352,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 384-	25666	00001	2.925,00		984.277,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 385-	25666	00001	13.650,00		997.927,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 386-	25666	00001	16.575,00		1.014.502,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 387-	25666	00001	975,00		1.015.477,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 388-	25666	00001	1.950,00		1.017.427,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 389-	25666	00001	15.600,00		1.033.027,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 390-	25666	00001	975,00		1.034.002,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 391-	25666	00001	975,00		1.034.977,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 392-	25666	00001	22.425,00		1.057.402,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 393-	25666	00001	6.825,00		1.064.227,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 394-	25666	00001	1.950,00		1.066.177,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 395-	25666	00001	3.900,00		1.070.077,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 396-	25666	00001	18.525,00		1.088.602,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 397-	25666	00001	22.425,00		1.111.027,27D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 25
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
DUPLICATAS A RECEBER (299) 1-1-01-05-04						
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 398-	25666	00001	25.350,00		1.136.377,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 399-	25666	00001	4.875,00		1.141.252,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 400-	25666	00001	27.300,00		1.168.552,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 401-	25666	00001	19.500,00		1.188.052,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 402-	25666	00001	23.400,00		1.211.452,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 403-	25666	00001	20.475,00		1.231.927,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 404-	25666	00001	28.275,00		1.260.202,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 405-	25666	00001	18.525,00		1.278.727,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 406-	25666	00001	34.125,00		1.312.852,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 407-	25666	00001	17.550,00		1.330.402,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 408-	25666	00001	15.600,00		1.346.002,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 409-	25666	00001	18.525,00		1.364.527,27D
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 410-	25666	00001	3.900,00		1.368.427,27D
	Total Dia:			694.200,00		
					0,00	1.368.427,27D
18/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 411-	25666	00001	35.100,00		1.403.527,27D
18/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 412-	25666	00001	23.400,00		1.426.927,27D
18/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 413-	25666	00001	47.775,00		1.474.702,27D
18/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 414-	25666	00001	21.450,00		1.496.152,27D
18/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 415-	25666	00001	31.200,00		1.527.352,27D
18/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 416-	25666	00001	11.700,00		1.539.052,27D
	Total Dia:			170.625,00		
					0,00	1.539.052,27D
22/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 417-	25666	00001	25.200,00		1.564.252,27D
	Total Dia:			25.200,00		
					0,00	1.564.252,27D
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 418-	25666	00001	196,00		1.564.448,27D
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 419-	25666	00001	79,28		1.564.527,55D
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 421-	25666	00001	260,00		1.564.787,55D
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 422-	25666	00001	34.500,00		1.599.287,55D
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 423-	25666	00001	880,00		1.600.167,55D
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 423-	25666	00001	140,00		1.600.307,55D
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 424-	25666	00001	225,00		1.600.532,55D
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 424-	25666	00001	650,00		1.601.182,55D
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 425-	25666	00001	63,00		1.601.245,55D
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 425-	25666	00001	182,00		1.601.427,55D
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 426-	25666	00001	18,00		1.601.445,55D
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 426-	25666	00001	52,00		1.601.497,55D
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 427-	25666	00001	36,00		1.601.533,55D
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 427-	25666	00001	104,00		1.601.637,55D
	Total Dia:			37.385,28		
					0,00	1.601.637,55D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 429-	25666	00001	15.600,00		1.617.237,55D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 430-	25666	00001	9.030,79		1.626.268,34D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 431-	25666	00001	13.500,00		1.639.768,34D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 432-	25666	00001	1.350,00		1.641.118,34D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 433-	25666	00001	770,00		1.641.888,34D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 434-	25666	00001	274,75		1.642.163,09D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 435-	25666	00001	615,00		1.642.778,09D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 436-	25666	00001	554,50		1.643.332,59D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 437-	25666	00001	977,18		1.644.309,77D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 438-	25666	00001	200,00		1.644.509,77D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 438-	25666	00001	160,00		1.644.669,77D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 439-	25666	00001	2.365,67		1.647.035,44D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 26
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
DUPLICATAS A RECEBER (299) 1-1-01-05-04						
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 440-	25666	00001	600,00		1.647.635,44D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 441-	25666	00001	50,00		1.647.685,44D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 442-	25666	00001	8.239,00		1.655.924,44D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 443-	25666	00001	12.679,00		1.668.603,44D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 444-	25666	00001	9.940,00		1.678.543,44D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 445-	25666	00001	11.400,00		1.689.943,44D
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 428-	25968	00005		15.600,00	1.674.343,44D
	Total Dia:			88.305,89		
					15.600,00	1.674.343,44D
31/08/2024	VR RECTO DUPLICATAS DIVERSAS N/MES	86	00004		641.062,89	1.033.280,55D
	Total Dia:			0,00		
					641.062,89	1.033.280,55D
11/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 447-	25666	00001	8.500,00		1.041.780,55D
11/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 448-	25666	00001	22.425,00		1.064.205,55D
	Total Dia:			30.925,00		
					0,00	1.064.205,55D
12/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 449-	25666	00001	36.000,00		1.100.205,55D
12/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 450-	25666	00001	5.400,00		1.105.605,55D
12/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 450-	25666	00001	1.080,00		1.106.685,55D
12/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 450-	25666	00001	400,00		1.107.085,55D
	Total Dia:			42.880,00		
					0,00	1.107.085,55D
18/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 451-	25666	00001	5.600,00		1.112.685,55D
18/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 452-	25666	00001	9.450,00		1.122.135,55D
18/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 453-	25666	00001	2.600,00		1.124.735,55D
18/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 454-	25666	00001	7.466,03		1.132.201,58D
18/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 455-	25666	00001	8.300,00		1.140.501,58D
	Total Dia:			33.416,03		
					0,00	1.140.501,58D
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 456-	25666	00001	12.199,46		1.152.701,04D
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 458-	25666	00001	12.675,00		1.165.376,04D
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 459-	25666	00001	175,00		1.165.551,04D
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 460-	25666	00001	127,52		1.165.678,56D
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 461-	25666	00001	97,12		1.165.775,68D
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 462-	25666	00001	23,44		1.165.799,12D
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 463-	25666	00001	370,00		1.166.169,12D
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 464-	25666	00001	1.420,00		1.167.589,12D
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 465-	25666	00001	20.000,00		1.187.589,12D
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 466-	25666	00001	3.347,00		1.190.936,12D
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 467-	25666	00001	3.100,00		1.194.036,12D
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 457-	25968	00005		7.466,03	1.186.570,09D
	Total Dia:			53.534,54		
					7.466,03	1.186.570,09D
26/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 468-	25666	00001	93,80		1.186.663,89D
26/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 468-	25666	00001	177,60		1.186.841,49D
26/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 468-	25666	00001	29,80		1.186.871,29D
26/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 469-	25666	00001	21.479,98		1.208.351,27D
	Total Dia:			21.781,18		
					0,00	1.208.351,27D
28/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 470-	25968	00005		9.450,00	1.198.901,27D
	Total Dia:			0,00		
					9.450,00	1.198.901,27D
30/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 471-	25666	00001	204,90		1.199.106,17D
30/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 472-	25666	00001	1.500,00		1.200.606,17D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 27
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
DUPLICATAS A RECEBER (299) 1-1-01-05-04						
30/09/2024	VR RECTO DUPLICATAS DIVERSOS MES		86 00004		601.917,76	598.688,41D
			Total Dia:	1.704,90		
					601.917,76	598.688,41D
01/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 473-	25666	00001	249.700,00		848.388,41D
01/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 473-	25666	00001	23.355,00		871.743,41D
01/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 473-	25666	00001	9.267,00		881.010,41D
01/10/2024	VR RECTO DUPLICATAS DIVERSAS MES		86 00004		235.855,00	645.155,41D
			Total Dia:	282.322,00		
					235.855,00	645.155,41D
15/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 474-	25666	00001	34.125,00		679.280,41D
15/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 475-	25666	00001	35.100,00		714.380,41D
			Total Dia:	69.225,00		
					0,00	714.380,41D
16/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 476-	25666	00001	917,00		715.297,41D
16/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 477-	25666	00001	3.089,00		718.386,41D
			Total Dia:	4.006,00		
					0,00	718.386,41D
17/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 479-	25666	00001	19.500,00		737.886,41D
17/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 480-	25666	00001	14.625,00		752.511,41D
17/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 482-	25666	00001	16.200,00		768.711,41D
17/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 483-	25666	00001	81.999,00		850.710,41D
17/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 483-	25666	00001	1.800,00		852.510,41D
			Total Dia:	134.124,00		
					0,00	852.510,41D
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 484-	25666	00001	176,00		852.686,41D
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 485-	25666	00001	220,00		852.906,41D
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 486-	25666	00001	274,75		853.181,16D
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 487-	25666	00001	7.700,00		860.881,16D
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 487-	25666	00001	200,00		861.081,16D
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 488-	25666	00001	7.700,00		868.781,16D
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 488-	25666	00001	200,00		868.981,16D
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 489-	25666	00001	9.940,00		878.921,16D
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 490-	25666	00001	14.910,00		893.831,16D
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 491-	25666	00001	4.970,00		898.801,16D
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 492-	25666	00001	4.970,00		903.771,16D
			Total Dia:	51.260,75		
					0,00	903.771,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 493-	25666	00001	11.980,00		915.751,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 494-	25666	00001	11.980,00		927.731,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 495-	25666	00001	94.050,00		1.021.781,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 496-	25666	00001	17.550,00		1.039.331,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 497-	25666	00001	21.450,00		1.060.781,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 498-	25666	00001	9.750,00		1.070.531,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 499-	25666	00001	12.675,00		1.083.206,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 500-	25666	00001	14.625,00		1.097.831,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 501-	25666	00001	9.750,00		1.107.581,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 502-	25666	00001	21.450,00		1.129.031,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 503-	25666	00001	13.650,00		1.142.681,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 504-	25666	00001	13.650,00		1.156.331,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 505-	25666	00001	13.650,00		1.169.981,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 506-	25666	00001	13.650,00		1.183.631,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 507-	25666	00001	13.650,00		1.197.281,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 508-	25666	00001	32.175,00		1.229.456,16D
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 509-	25666	00001	28.275,00		1.257.731,16D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 28
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
DUPLICATAS A RECEBER (299) 1-1-01-05-04						
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 510-	25666	00001	27.300,00		1.285.031,16D
	Total Dia:			381.260,00		
					0,00	1.285.031,16D
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 511-	25666	00001	1.950,00		1.286.981,16D
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 512-	25666	00001	25.350,00		1.312.331,16D
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 513-	25666	00001	10.725,00		1.323.056,16D
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 514-	25666	00001	4.875,00		1.327.931,16D
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 515-	25666	00001	3.900,00		1.331.831,16D
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 516-	25666	00001	3.900,00		1.335.731,16D
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 517-	25666	00001	4.875,00		1.340.606,16D
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 518-	25666	00001	8.775,00		1.349.381,16D
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 519-	25666	00001	2.925,00		1.352.306,16D
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 520-	25666	00001	93.100,00		1.445.406,16D
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 521-	25666	00001	207,00		1.445.613,16D
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 521-	25666	00001	4.811,72		1.450.424,88D
	Total Dia:			165.393,72		
					0,00	1.450.424,88D
05/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 522-	25666	00001	78,90		1.450.503,78D
	Total Dia:			78,90		
					0,00	1.450.503,78D
08/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 523-	25666	00001	1.500,00		1.452.003,78D
08/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 524-	25968	00005		1.500,00	1.450.503,78D
	Total Dia:			1.500,00		
					1.500,00	1.450.503,78D
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 526-	25666	00001	8.775,00		1.459.278,78D
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 527-	25666	00001	12.675,00		1.471.953,78D
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 528-	25666	00001	12.675,00		1.484.628,78D
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 529-	25666	00001	23.400,00		1.508.028,78D
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 530-	25666	00001	16.575,00		1.524.603,78D
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 531-	25666	00001	15.600,00		1.540.203,78D
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 532-	25666	00001	10.725,00		1.550.928,78D
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 533-	25666	00001	18.525,00		1.569.453,78D
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 534-	25666	00001	22.425,00		1.591.878,78D
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 535-	25666	00001	14.625,00		1.606.503,78D
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 536-	25666	00001	10.725,00		1.617.228,78D
	Total Dia:			166.725,00		
					0,00	1.617.228,78D
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 539-	25666	00001	163.200,00		1.780.428,78D
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 539-	25666	00001	3.400,00		1.783.828,78D
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 540-	25666	00001	105.600,00		1.889.428,78D
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 540-	25666	00001	2.200,00		1.891.628,78D
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 541-	25666	00001	206.400,00		2.098.028,78D
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 541-	25666	00001	4.300,00		2.102.328,78D
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 542-	25666	00001	4.800,00		2.107.128,78D
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 542-	25666	00001	100,00		2.107.228,78D
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 543-	25666	00001	14.400,00		2.121.628,78D
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 543-	25666	00001	300,00		2.121.928,78D
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 544-	25666	00001	96.000,00		2.217.928,78D
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 544-	25666	00001	2.000,00		2.219.928,78D
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 537-	25968	00005		93.100,00	2.126.828,78D
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 538-	25968	00005		94.050,00	2.032.778,78D
	Total Dia:			602.700,00		
					187.150,00	2.032.778,78D
13/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 545-	25666	00001	5.090,00		2.037.868,78D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 29
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
DUPLICATAS A RECEBER (299) 1-1-01-05-04						
13/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 545-	25666	00001	100,00		2.037.968,78D
	Total Dia:			5.190,00		
					0,00	2.037.968,78D
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 546-	25666	00001	33.400,00		2.071.368,78D
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 547-	25666	00001	50.150,00		2.121.518,78D
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 548-	25666	00001	267.050,00		2.388.568,78D
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 549-	25666	00001	2.839,76		2.391.408,54D
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 550-	25666	00001	1.500,00		2.392.908,54D
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 551-	25666	00001	7.148,00		2.400.056,54D
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 552-	25666	00001	8.300,00		2.408.356,54D
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 553-	25666	00001	19.110,00		2.427.466,54D
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 554-	25666	00001	14.000,00		2.441.466,54D
	Total Dia:			403.497,76		
					0,00	2.441.466,54D
19/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 555-	25666	00001	96.000,00		2.537.466,54D
19/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 555-	25666	00001	2.000,00		2.539.466,54D
	Total Dia:			98.000,00		
					0,00	2.539.466,54D
20/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 556-	25666	00001	20.000,00		2.559.466,54D
20/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 556-	25666	00001	800,00		2.560.266,54D
	Total Dia:			20.800,00		
					0,00	2.560.266,54D
25/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 557-	25666	00001	336,00		2.560.602,54D
25/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 558-	25666	00001	76.800,00		2.637.402,54D
25/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 559-	25666	00001	91.200,00		2.728.602,54D
25/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 560-	25666	00001	30.400,00		2.759.002,54D
25/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 561-	25666	00001	49.700,00		2.808.702,54D
	Total Dia:			248.436,00		
					0,00	2.808.702,54D
26/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 562-	25666	00001	25.024,00		2.833.726,54D
26/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 563-	25666	00001	33.378,00		2.867.104,54D
26/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 564-	25666	00001	69,00		2.867.173,54D
	Total Dia:			58.471,00		
					0,00	2.867.173,54D
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 565-	25666	00001	196.800,00		3.063.973,54D
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 566-	25666	00001	15.500,00		3.079.473,54D
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 567-	25666	00001	9.999,00		3.089.472,54D
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 568-	25666	00001	13.550,00		3.103.022,54D
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 569-	25666	00001	12.753,57		3.115.776,11D
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 570-	25666	00001	1.367,00		3.117.143,11D
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 571-	25666	00001	6.584,40		3.123.727,51D
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 572-	25666	00001	3.456,00		3.127.183,51D
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 573-	25666	00001	51.699,32		3.178.882,83D
	Total Dia:			311.709,29		
					0,00	3.178.882,83D
29/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 574-	25666	00001	3.780,00		3.182.662,83D
29/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 574-	25666	00001	357.176,00		3.539.838,83D
	Total Dia:			360.956,00		
					0,00	3.539.838,83D
30/11/2024	VR RCBO DUPLICATAS DIVERSAS N/MES	86	00004		507.329,96	3.032.508,87D
	Total Dia:			0,00		
					507.329,96	3.032.508,87D
04/12/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 575-	25968	00005		267.050,00	2.765.458,87D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)					CARLOS EDUARDO OLIVEIRA DA SILVA	
Razão Geral de 01/01/2024 até 31/12/2024					Livro :0	Folha: 30
Data	Histórico	C/P	Lote	Débito	Crédito	Saldo
DUPLICATAS A RECEBER (299) 1-1-01-05-04						
			Total Dia:	0,00		
					267.050,00	2.765.458,87D
			TOTAIS:	6.763.447,61		
					5.265.402,44	2.765.458,87D
(-)VEICULOS DEPRECIACOES (493) 1-3-02-02-04						
			Saldo Anterior:			10.833,13C
31/12/2024	VR DEPRECIACAO ACUMULADA N/ANO	5193	00004		10.833,13	21.666,26C
			Total Dia:	0,00		
					10.833,13	21.666,26C
			TOTAIS:	0,00		
					10.833,13	21.666,26C
(-)EQUIP.DE INFORMATICA - C/DEPRECIACAO (25623) 1-3-02-02-05						
			Saldo Anterior:			3.619,24C
31/12/2024	VR DEPRECIACAO ACUMULADA N/ANO	5193	00004		3.619,24	7.238,48C
			Total Dia:	0,00		
					3.619,24	7.238,48C
			TOTAIS:	0,00		
					3.619,24	7.238,48C
SIMPLES NACIONAL A RECOLHER (26363) 2-1-01-01-13						
			Saldo Anterior:			59.188,42C
17/01/2024	VR PG DAS SIMPLES NACIONAL N/DATA	86	00004	64.844,74		5.656,32D
			Total Dia:	64.844,74		
					0,00	5.656,32D
31/01/2024	VR SIMPLES NACIONAL MES CONF	26356	00002		52.110,19	46.453,87C
			Total Dia:	0,00		
					52.110,19	46.453,87C
19/02/2024	VR PG GUIA DAS - SIMPLES NACIONAL	43	00004	52.110,19		5.656,32D
			Total Dia:	52.110,19		
					0,00	5.656,32D
28/02/2024	VR SIMPLES NACIONAL MES CONF	26356	00002		19.049,24	13.392,92C
			Total Dia:	0,00		
					19.049,24	13.392,92C
19/03/2024	VR PGTO SIMPLES NACIONAL CONF DAS	86	00004	19.049,24		5.656,32D
			Total Dia:	19.049,24		
					0,00	5.656,32D
31/03/2024	VR SIMPLES NACIONAL MES CONF	26356	00002		427,33	5.228,99D
			Total Dia:	0,00		
					427,33	5.228,99D
30/04/2024	VR SIMPLES NACIONAL MES CONF	26356	00002		47.039,49	41.810,50C
			Total Dia:	0,00		
					47.039,49	41.810,50C
31/05/2024	VR SIMPLES NACIONAL MES CONF	26356	00002		62.284,92	104.095,42C
			Total Dia:	0,00		
					62.284,92	104.095,42C
18/06/2024	VR PGTO SIMPLES NACIONAL CONF DAS	86	00004	62.284,92		41.810,50C
			Total Dia:	62.284,92		
					0,00	41.810,50C
25/06/2024	VR PGTO SIMPLES NACIONAL CONF DAS	86	00004	587,45		41.223,05C
			Total Dia:	587,45		
					0,00	41.223,05C
30/06/2024	VR SIMPLES NACIONAL MES CONF	26356	00002		2.657,80	43.880,85C
			Total Dia:	0,00		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 31
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
SIMPLES NACIONAL A RECOLHER (26363) 2-1-01-01-13						
					2.657,80	43.880,85C
31/07/2024	VR SIMPLES NACIONAL MES CONF	26356	00002		133.142,09	177.022,94C
	Total Dia:			0,00		
					133.142,09	177.022,94C
19/08/2024	VR PGTO SIMPLES NACIONAL CONF DAS	86	00004	133.142,09		43.880,85C
	Total Dia:			133.142,09		
					0,00	43.880,85C
31/08/2024	VR SIMPLES NACIONAL MES CONF	26356	00002		10.903,40	54.784,25C
	Total Dia:			0,00		
					10.903,40	54.784,25C
18/09/2024	VR PGTO SIMPLES NACIONAL CONF DAS	86	00004	10.903,40		43.880,85C
	Total Dia:			10.903,40		
					0,00	43.880,85C
30/09/2024	VR SIMPLES NACIONAL MES CONF	26356	00002		24.265,39	68.146,24C
	Total Dia:			0,00		
					24.265,39	68.146,24C
15/10/2024	VR PGTO SIMPLES NACIONAL CONF DAS	86	00004	24.265,39		43.880,85C
	Total Dia:			24.265,39		
					0,00	43.880,85C
31/10/2024	VR SIMPLES NACIONAL MES CONF	26356	00002		79.006,45	122.887,30C
	Total Dia:			0,00		
					79.006,45	122.887,30C
18/11/2024	VR PG SIMPLES NACIONAL CONF DAS	86	00004	79.006,45		43.880,85C
	Total Dia:			79.006,45		
					0,00	43.880,85C
30/11/2024	VR SIMPLES NACIONAL MES CONF	26356	00002		395.463,08	439.343,93C
	Total Dia:			0,00		
					395.463,08	439.343,93C
			TOTAIS:	446.193,87		
					826.349,38	439.343,93C
FORNECEDORES DIVERSOS (26384) 2-1-01-02-01						
			Saldo Anterior:			677.746,04C
09/01/2024	VR PGTO BOLETO FORNECEDORES	86	00004	99.670,06		578.075,98C
	Total Dia:			99.670,06		
					0,00	578.075,98C
10/01/2024	VR PGTO BOLETO FORNECEDORES	86	00004	3,00		578.072,98C
	Total Dia:			3,00		
					0,00	578.072,98C
11/01/2024	VR PGTO BOLETO FORNECEDORES	86	00004	7.919,70		570.153,28C
	Total Dia:			7.919,70		
					0,00	570.153,28C
16/01/2024	VR PGTO BOLETO FORNECEDORES	86	00004	7.650,36		562.502,92C
	Total Dia:			7.650,36		
					0,00	562.502,92C
17/01/2024	VR PGTO BOLETO FORNECEDORES	86	00004	1.718,97		560.783,95C
	Total Dia:			1.718,97		
					0,00	560.783,95C
19/01/2024	VR PGTO BOLETO FORNECEDORES	86	00004	6.069,95		554.714,00C
	Total Dia:			6.069,95		
					0,00	554.714,00C
26/01/2024	VR PGTO PIX FORNECEDORES DIVERSOS	86	00004	32.318,16		522.395,84C
	Total Dia:			32.318,16		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 32
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
FORNECEDORES DIVERSOS (26384) 2-1-01-02-01						
					0,00	522.395,84C
07/02/2024	VR PGTO BOLETO FORNECEDORES		86 00004	741,24		521.654,60C
			Total Dia:	741,24		
					0,00	521.654,60C
09/02/2024	VR PGTO BOLETO FORNECEDORES		86 00004	24.903,95		496.750,65C
09/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS		86 00004	1.040,72		495.709,93C
			Total Dia:	25.944,67		
					0,00	495.709,93C
14/02/2024	Valor Ref a compra para estoque conforme DOC		256 00005		1.222,13	496.932,06C
14/02/2024	Valor Ref a compra para estoque conforme DOC		256 00005		237,35	497.169,41C
14/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS		86 00004	6.400,00		490.769,41C
			Total Dia:	6.400,00		
					1.459,48	490.769,41C
15/02/2024	Valor Ref a Material de Uso e Consumo conforme	25615	00005		1.305,92	492.075,33C
15/02/2024	Valor Ref a compra para estoque conforme DOC		256 00005		6.518,51	498.593,84C
15/02/2024	Valor Ref a compra para estoque conforme DOC		256 00005		13.672,40	512.266,24C
15/02/2024	Valor Ref a compra para estoque conforme DOC		256 00005		274,95	512.541,19C
15/02/2024	VR PGTO BOLETO FORNECEDORES		86 00004	4.887,24		507.653,95C
15/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS		86 00004	6.000,00		501.653,95C
			Total Dia:	10.887,24		
					21.771,78	501.653,95C
16/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS		86 00004	7.932,00		493.721,95C
			Total Dia:	7.932,00		
					0,00	493.721,95C
19/02/2024	VR PGTO BOLETO FORNECEDORES		86 00004	15.032,43		478.689,52C
19/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS		86 00004	2.000,00		476.689,52C
			Total Dia:	17.032,43		
					0,00	476.689,52C
20/02/2024	VR PGTO BOLETO FORNECEDORES		86 00004	5.168,00		471.521,52C
20/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS		86 00004	433,66		471.087,86C
			Total Dia:	5.601,66		
					0,00	471.087,86C
21/02/2024	Valor Ref a Material de Uso e Consumo conforme	25615	00005		2.611,84	473.699,70C
			Total Dia:	0,00		
					2.611,84	473.699,70C
23/02/2024	VR PGTO BOLETO FORNECEDORES		86 00004	362,50		473.337,20C
23/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS		86 00004	8.928,00		464.409,20C
			Total Dia:	9.290,50		
					0,00	464.409,20C
26/02/2024	VR PGTO PIX FORNECEDORES DIVERSOS		86 00004	45.493,50		418.915,70C
			Total Dia:	45.493,50		
					0,00	418.915,70C
27/02/2024	VR PGTO BOLETO FORNECEDORES		86 00004	358,29		418.557,41C
			Total Dia:	358,29		
					0,00	418.557,41C
04/03/2024	VR PGTO BOLETO FORNECEDORES		86 00004	56.467,28		362.090,13C
04/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS		86 00004	1.756,52		360.333,61C
			Total Dia:	58.223,80		
					0,00	360.333,61C
05/03/2024	VR PGTO BOLETO FORNECEDORES		86 00004	8.807,64		351.525,97C
05/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS		86 00004	2.205,00		349.320,97C
05/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS		86 00004	4.444,32		344.876,65C

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)					CARLOS EDUARDO OLIVEIRA DA SILVA	
Razão Geral de 01/01/2024 até 31/12/2024					Livro :0	Folha: 33
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
FORNECEDORES DIVERSOS (26384) 2-1-01-02-01						
			Total Dia:	15.456,96		
					0,00	344.876,65C
08/03/2024	Valor Ref a compra para estoque conforme DOC	256	00005		1.905,12	346.781,77C
08/03/2024	VR PGTO BOLETO FORNECEDORES	86	00004	3.691,96		343.089,81C
			Total Dia:	3.691,96		
					1.905,12	343.089,81C
11/03/2024	Valor Ref a compra para estoque conforme DOC	256	00005		584,81	343.674,62C
11/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS	86	00004	3.273,00		340.401,62C
11/03/2024	VR PGTO BOLETO FORNECEDORES	86	00004	1.267,10		339.134,52C
			Total Dia:	4.540,10		
					584,81	339.134,52C
12/03/2024	Valor Ref a Material de Uso e Consumo conforme	25615	00005		1.115,05	340.249,57C
12/03/2024	Valor Ref a compra para estoque conforme DOC	256	00005		553,35	340.802,92C
12/03/2024	VR PGTO BOLETO FORNECEDORES	86	00004	74.115,92		266.687,00C
			Total Dia:	74.115,92		
					1.668,40	266.687,00C
13/03/2024	VR PGTO BOLETO FORNECEDORES	86	00004	2.002,20		264.684,80C
			Total Dia:	2.002,20		
					0,00	264.684,80C
15/03/2024	VR PGTO BOLETO FORNECEDORES	86	00004	3.502,74		261.182,06C
			Total Dia:	3.502,74		
					0,00	261.182,06C
18/03/2024	VR PGTO BOLETO FORNECEDORES	86	00004	2.329,49		258.852,57C
18/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS	86	00004	3.914,49		254.938,08C
			Total Dia:	6.243,98		
					0,00	254.938,08C
19/03/2024	Valor Ref a compra para estoque conforme DOC	256	00005		2.661,59	257.599,67C
			Total Dia:	0,00		
					2.661,59	257.599,67C
21/03/2024	VR PGTO BOLETO FORNECEDORES	86	00004	9.430,07		248.169,60C
21/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS	86	00004	7.999,98		240.169,62C
			Total Dia:	17.430,05		
					0,00	240.169,62C
25/03/2024	VR PGTO BOLETO FORNECEDORES	86	00004	362,50		239.807,12C
			Total Dia:	362,50		
					0,00	239.807,12C
26/03/2024	Valor Ref a compra para estoque conforme DOC	256	00005		52.379,00	292.186,12C
26/03/2024	Valor Ref a compra para estoque conforme DOC	256	00005		3.195,56	295.381,68C
26/03/2024	VR PGTO BOLETO FORNECEDORES	86	00004	33.915,61		261.466,07C
			Total Dia:	33.915,61		
					55.574,56	261.466,07C
27/03/2024	Valor Ref a compra para estoque conforme DOC	256	00005		279,50	261.745,57C
27/03/2024	Valor Ref a compra para estoque conforme DOC	256	00005		2.120,40	263.865,97C
27/03/2024	VR PGTO BOLETO FORNECEDORES	86	00004	358,29		263.507,68C
			Total Dia:	358,29		
					2.399,90	263.507,68C
28/03/2024	Valor Ref a compra para estoque conforme DOC	256	00005		1.253,00	264.760,68C
28/03/2024	Valor Ref a compra para estoque conforme DOC	256	00005		6.800,80	271.561,48C
28/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS	86	00004	43.750,00		227.811,48C
			Total Dia:	43.750,00		
					8.053,80	227.811,48C
29/03/2024	Valor Ref a compra para estoque conforme DOC	256	00005		214,08	228.025,56C

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 34
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
FORNECEDORES DIVERSOS (26384) 2-1-01-02-01						
			Total Dia:	0,00		
					214,08	228.025,56C
31/03/2024	VR TRANSFERENCIA ENTRE CONTAS	26188	00004		308.302,35	536.327,91C
			Total Dia:	0,00		
					308.302,35	536.327,91C
02/04/2024	Valor Ref a compra para estoque conforme DOC	256	00005		116.677,89	653.005,80C
			Total Dia:	0,00		
					116.677,89	653.005,80C
04/04/2024	Valor Ref a compra para estoque conforme DOC	256	00005		1.747,63	654.753,43C
			Total Dia:	0,00		
					1.747,63	654.753,43C
16/04/2024	Valor Ref a compra para estoque conforme DOC	256	00005		6.628,70	661.382,13C
			Total Dia:	0,00		
					6.628,70	661.382,13C
18/04/2024	Valor Ref a compra para estoque conforme DOC	256	00005		15.776,36	677.158,49C
18/04/2024	Valor Ref a compra para estoque conforme DOC	256	00005		398,35	677.556,84C
			Total Dia:	0,00		
					16.174,71	677.556,84C
19/04/2024	Valor Ref a compra para estoque conforme DOC	256	00005		4.142,08	681.698,92C
			Total Dia:	0,00		
					4.142,08	681.698,92C
30/04/2024	VR PGTO BOLETO FORNECEDORES	86	00004	174.978,20		506.720,72C
30/04/2024	VR PGTO PIX FORNECEDORES DIVERSOS	86	00004	60.038,92		446.681,80C
			Total Dia:	235.017,12		
					0,00	446.681,80C
07/05/2024	Valor Ref a Material de Uso e Consumo conforme	25615	00005		15.450,00	462.131,80C
07/05/2024	Valor Ref a compra para estoque conforme DOC	256	00005		364,23	462.496,03C
07/05/2024	Valor Ref a compra para estoque conforme DOC	256	00005		883,50	463.379,53C
			Total Dia:	0,00		
					16.697,73	463.379,53C
08/05/2024	Valor Ref a compra para estoque conforme DOC	256	00005		4.138,85	467.518,38C
			Total Dia:	0,00		
					4.138,85	467.518,38C
09/05/2024	Valor Ref a compra para estoque conforme DOC	256	00005		4.328,27	471.846,65C
			Total Dia:	0,00		
					4.328,27	471.846,65C
10/05/2024	Valor Ref a compra para estoque conforme DOC	256	00005		21.411,63	493.258,28C
10/05/2024	Valor Ref a compra para estoque conforme DOC	256	00005		583,66	493.841,94C
			Total Dia:	0,00		
					21.995,29	493.841,94C
11/05/2024	Valor Ref a compra para estoque conforme DOC	256	00005		2.912,70	496.754,64C
			Total Dia:	0,00		
					2.912,70	496.754,64C
15/05/2024	Valor Ref a compra para estoque conforme DOC	256	00005		177.600,00	674.354,64C
			Total Dia:	0,00		
					177.600,00	674.354,64C
16/05/2024	Valor Ref a Material de Uso e Consumo conforme	25615	00005		10.623,36	684.978,00C
			Total Dia:	0,00		
					10.623,36	684.978,00C
17/05/2024	Valor Ref a compra para estoque conforme DOC	256	00005		3.994,98	688.972,98C
			Total Dia:	0,00		
					3.994,98	688.972,98C

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)					CARLOS EDUARDO OLIVEIRA DA SILVA	
Razão Geral de 01/01/2024 até 31/12/2024					Livro :0	Folha: 35
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
FORNECEDORES DIVERSOS (26384) 2-1-01-02-01						
22/05/2024	Valor Ref a compra para estoque conforme DOC		256 00005		3.456,01	692.428,99C
22/05/2024	Valor Ref a compra para estoque conforme DOC		256 00005		148,34	692.577,33C
22/05/2024	Valor Ref a compra para estoque conforme DOC		256 00005		2.009,97	694.587,30C
	Total Dia:			0,00		
					5.614,32	694.587,30C
23/05/2024	Valor Ref a compra para estoque conforme DOC		256 00005		144.900,50	839.487,80C
23/05/2024	Valor Ref a compra para estoque conforme DOC		256 00005		3.852,53	843.340,33C
	Total Dia:			0,00		
					148.753,03	843.340,33C
24/05/2024	Valor Ref a compra para estoque conforme DOC		256 00005		17.875,96	861.216,29C
	Total Dia:			0,00		
					17.875,96	861.216,29C
29/05/2024	Valor Ref a compra para estoque conforme DOC		256 00005		14.945,65	876.161,94C
	Total Dia:			0,00		
					14.945,65	876.161,94C
31/05/2024	VR PGTO FORNECEDORES DIVERSOS N/MES		86 00004	575.005,39		301.156,55C
	Total Dia:			575.005,39		
					0,00	301.156,55C
07/06/2024	Valor Ref a Material de Uso e Consumo conforme		25615 00005		5.077,60	306.234,15C
	Total Dia:			0,00		
					5.077,60	306.234,15C
10/06/2024	Valor Ref a compra para estoque conforme DOC		256 00005		465.520,00	771.754,15C
	Total Dia:			0,00		
					465.520,00	771.754,15C
11/06/2024	Valor Ref a compra para estoque conforme DOC		256 00005		6.054,84	777.808,99C
11/06/2024	Valor Ref a compra para estoque conforme DOC		256 00005		99,66	777.908,65C
	Total Dia:			0,00		
					6.154,50	777.908,65C
27/06/2024	Valor Ref a compra de Matéria Prima conforme		25615 00005		202,64	778.111,29C
	Total Dia:			0,00		
					202,64	778.111,29C
30/06/2024	VR PGTO FORNECEDORES DIVERSOS N/DATA		86 00004	688.574,42		89.536,87C
30/06/2024	VR TRANSFERENCIA ENTRE CONTAS		26188 00004		308.302,35	397.839,22C
	Total Dia:			688.574,42		
					308.302,35	397.839,22C
05/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		535,32	398.374,54C
05/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		5.581,79	403.956,33C
	Total Dia:			0,00		
					6.117,11	403.956,33C
09/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		14.916,68	418.873,01C
	Total Dia:			0,00		
					14.916,68	418.873,01C
10/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		459,22	419.332,23C
10/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		278,65	419.610,88C
10/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		368,93	419.979,81C
10/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		459,22	420.439,03C
	Total Dia:			0,00		
					1.566,02	420.439,03C
11/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		1.204,59	421.643,62C
11/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		446,29	422.089,91C
11/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		5.727,78	427.817,69C
11/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		677,38	428.495,07C

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 36
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
FORNECEDORES DIVERSOS (26384) 2-1-01-02-01						
11/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		5.036,21	433.531,28C
	Total Dia:			0,00		
					13.092,25	433.531,28C
15/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		1.132,66	434.663,94C
15/07/2024	Valor Ref a compra de Matéria Prima conforme		25615 00005		168,19	434.832,13C
	Total Dia:			0,00		
					1.300,85	434.832,13C
25/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		8.377,70	443.209,83C
25/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		183,27	443.393,10C
25/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		701,09	444.094,19C
25/07/2024	Valor Ref a compra para estoque conforme DOC		256 00005		273,87	444.368,06C
	Total Dia:			0,00		
					9.535,93	444.368,06C
31/07/2024	VR PGTO FORNECEDORES BOLETO/PIX		86 00004	239.781,64		204.586,42C
	Total Dia:			239.781,64		
					0,00	204.586,42C
01/08/2024	Valor Ref a compra para estoque conforme DOC		256 00005		156.494,35	361.080,77C
01/08/2024	Valor Ref a compra para estoque conforme DOC		256 00005		5.000,14	366.080,91C
	Total Dia:			0,00		
					161.494,49	366.080,91C
05/08/2024	Valor Ref a compra para estoque conforme DOC		256 00005		9.063,75	375.144,66C
	Total Dia:			0,00		
					9.063,75	375.144,66C
07/08/2024	Valor Ref a compra para estoque conforme DOC		256 00005		10.546,32	385.690,98C
	Total Dia:			0,00		
					10.546,32	385.690,98C
12/08/2024	Valor Ref a Material de Uso e Consumo conforme		25615 00005		7.055,30	392.746,28C
	Total Dia:			0,00		
					7.055,30	392.746,28C
13/08/2024	Valor Ref a compra para estoque conforme DOC		256 00005		331,29	393.077,57C
13/08/2024	Valor Ref a compra para estoque conforme DOC		256 00005		534,81	393.612,38C
	Total Dia:			0,00		
					866,10	393.612,38C
14/08/2024	Valor Ref a compra para estoque conforme DOC		256 00005		2.072,66	395.685,04C
14/08/2024	Valor Ref a compra para estoque conforme DOC		256 00005		883,50	396.568,54C
	Total Dia:			0,00		
					2.956,16	396.568,54C
21/08/2024	Valor Ref a compra para estoque conforme DOC		256 00005		49.069,95	445.638,49C
	Total Dia:			0,00		
					49.069,95	445.638,49C
31/08/2024	VR PGTO FORNECEDORES BOLETO/PIX		86 00004	214.353,37		231.285,12C
	Total Dia:			214.353,37		
					0,00	231.285,12C
03/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		510,28	231.795,40C
	Total Dia:			0,00		
					510,28	231.795,40C
05/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		19.185,07	250.980,47C
05/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		228,98	251.209,45C
	Total Dia:			0,00		
					19.414,05	251.209,45C
07/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		6.057,78	257.267,23C
	Total Dia:			0,00		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)					CARLOS EDUARDO OLIVEIRA DA SILVA	
Razão Geral de 01/01/2024 até 31/12/2024					Livro :0	Folha: 37
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
FORNECEDORES DIVERSOS (26384) 2-1-01-02-01						
					6.057,78	257.267,23C
09/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		205,46	257.472,69C
			Total Dia:	0,00		
					205,46	257.472,69C
16/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		2.138,07	259.610,76C
16/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		19.541,31	279.152,07C
			Total Dia:	0,00		
					21.679,38	279.152,07C
17/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		7.984,92	287.136,99C
			Total Dia:	0,00		
					7.984,92	287.136,99C
18/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		17.711,13	304.848,12C
			Total Dia:	0,00		
					17.711,13	304.848,12C
19/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		6.356,19	311.204,31C
19/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		1.568,16	312.772,47C
19/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		158,81	312.931,28C
19/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		253,21	313.184,49C
19/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		18,26	313.202,75C
			Total Dia:	0,00		
					8.354,63	313.202,75C
21/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		12.398,03	325.600,78C
21/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		519,84	326.120,62C
			Total Dia:	0,00		
					12.917,87	326.120,62C
25/09/2024	Valor Ref a compra para estoque conforme DOC		256 00005		87.187,29	413.307,91C
			Total Dia:	0,00		
					87.187,29	413.307,91C
30/09/2024	VR PGTO FORNECEDORES BOLETO/PIX		86 00004	407.428,88		5.879,03C
30/09/2024	VR TRANSFERENCIA ENTRE CONTAS	26188	00004		308.302,35	314.181,38C
			Total Dia:	407.428,88		
					308.302,35	314.181,38C
14/10/2024	Valor Ref a compra para estoque conforme DOC		256 00005		45.484,42	359.665,80C
			Total Dia:	0,00		
					45.484,42	359.665,80C
15/10/2024	Valor Ref a compra para estoque conforme DOC		256 00005		573,12	360.238,92C
15/10/2024	Valor Ref a compra para estoque conforme DOC		256 00005		152,64	360.391,56C
15/10/2024	Valor Ref a compra para estoque conforme DOC		256 00005		2.175,14	362.566,70C
			Total Dia:	0,00		
					2.900,90	362.566,70C
16/10/2024	Valor Ref a compra para estoque conforme DOC		256 00005		1.985,62	364.552,32C
16/10/2024	Valor Ref a compra para estoque conforme DOC		256 00005		280,92	364.833,24C
16/10/2024	Valor Ref a compra para estoque conforme DOC		256 00005		60.645,88	425.479,12C
			Total Dia:	0,00		
					62.912,42	425.479,12C
18/10/2024	Valor Ref a compra para estoque conforme DOC		256 00005		857,41	426.336,53C
			Total Dia:	0,00		
					857,41	426.336,53C
24/10/2024	Valor Ref a compra para estoque conforme DOC		256 00005		26.351,05	452.687,58C
			Total Dia:	0,00		
					26.351,05	452.687,58C
29/10/2024	Valor Ref a compra para estoque conforme DOC		256 00005		79.053,15	531.740,73C

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)					CARLOS EDUARDO OLIVEIRA DA SILVA	
Razão Geral de 01/01/2024 até 31/12/2024					Livro :0	Folha: 38
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
FORNECEDORES DIVERSOS (26384) 2-1-01-02-01						
			Total Dia:	0,00		
					79.053,15	531.740,73C
30/10/2024	Valor Ref a compra para estoque conforme DOC		256 00005		14.073,53	545.814,26C
30/10/2024	Valor Ref a compra para estoque conforme DOC		256 00005		26.351,05	572.165,31C
			Total Dia:	0,00		
					40.424,58	572.165,31C
31/10/2024	Valor Ref a compra para estoque conforme DOC		256 00005		3.386,46	575.551,77C
31/10/2024	Valor Ref a compra para estoque conforme DOC		256 00005		6.085,42	581.637,19C
31/10/2024	VR PGTO FORNECEDORES BOLETO/PIX		86 00004	572.053,94		9.583,25C
			Total Dia:	572.053,94		
					9.471,88	9.583,25C
07/11/2024	Valor Ref a Fretes conforme DOC Nº ???		1163 00005		2.887,46	12.470,71C
07/11/2024	Valor Ref a Fretes conforme DOC Nº ???		1163 00005		1.668,55	14.139,26C
07/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		47.737,41	61.876,67C
			Total Dia:	0,00		
					52.293,42	61.876,67C
11/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		4.083,19	65.959,86C
			Total Dia:	0,00		
					4.083,19	65.959,86C
12/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		2.185,10	68.144,96C
12/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		2.659,97	70.804,93C
12/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		56.853,76	127.658,69C
12/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		2.840,55	130.499,24C
			Total Dia:	0,00		
					64.539,38	130.499,24C
13/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		16.324,21	146.823,45C
13/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		137.059,66	283.883,11C
13/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		4.546,00	288.429,11C
13/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		206,25	288.635,36C
13/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		5.609,95	294.245,31C
			Total Dia:	0,00		
					163.746,07	294.245,31C
14/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		8.673,05	302.918,36C
14/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		6.032,20	308.950,56C
14/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		10.669,64	319.620,20C
14/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		533,64	320.153,84C
			Total Dia:	0,00		
					25.908,53	320.153,84C
26/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		9.925,01	330.078,85C
26/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		11.996,50	342.075,35C
			Total Dia:	0,00		
					21.921,51	342.075,35C
27/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		47.380,40	389.455,75C
			Total Dia:	0,00		
					47.380,40	389.455,75C
28/11/2024	Valor Ref a compra para estoque conforme DOC		256 00005		37.288,65	426.744,40C
			Total Dia:	0,00		
					37.288,65	426.744,40C
29/11/2024	VR PGTO FORNECEDORES BOLETO/PIX		86 00004	252.119,90		174.624,50C
			Total Dia:	252.119,90		
					0,00	174.624,50C
TOTAIS:				3.732.960,50		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 39
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
FORNECEDORES DIVERSOS (26384) 2-1-01-02-01					3.229.838,96	174.624,50C
ENCARGOS SOCIAIS (INSS) A RECOLHER (671) 2-1-01-03-02						
31/01/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		155,32	155,32C
	Total Dia:			0,00		
					155,32	155,32C
19/02/2024	VR PG INSS CONF DARF PREVIDENCIARIO	43	00004	155,32		0,00C
	Total Dia:			155,32		
					0,00	0,00C
29/02/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		155,32	155,32C
	Total Dia:			0,00		
					155,32	155,32C
20/03/2024	VR PGTO PIX FORNECEDORES DIVERSOS	86	00004	155,32		0,00C
	Total Dia:			155,32		
					0,00	0,00C
31/03/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		155,32	155,32C
	Total Dia:			0,00		
					155,32	155,32C
18/04/2024	VR PG INSS CONF DARF PREVIDENCIARIO	43	00006	155,32		0,00C
	Total Dia:			155,32		
					0,00	0,00C
30/04/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		155,32	155,32C
	Total Dia:			0,00		
					155,32	155,32C
20/05/2024	VR PG INSS CONF DARF PREVIDENCIARIO	43	00006	155,32		0,00C
	Total Dia:			155,32		
					0,00	0,00C
31/05/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		155,32	155,32C
	Total Dia:			0,00		
					155,32	155,32C
18/06/2024	VR PG INSS CONF DARF PREVIDENCIARIO	43	00006	155,32		0,00C
	Total Dia:			155,32		
					0,00	0,00C
30/06/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		155,32	155,32C
	Total Dia:			0,00		
					155,32	155,32C
16/07/2024	VR PG INSS CONF DARF PREVIDENCIARIO	43	00006	155,32		0,00C
	Total Dia:			155,32		
					0,00	0,00C
31/07/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		155,32	155,32C
	Total Dia:			0,00		
					155,32	155,32C
20/08/2024	VR PG INSS CONF DARF PREVIDENCIARIO	43	00006	155,32		0,00C
	Total Dia:			155,32		
					0,00	0,00C
31/08/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		155,32	155,32C
	Total Dia:			0,00		
					155,32	155,32C
30/09/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		155,32	310,64C
	Total Dia:			0,00		
					155,32	310,64C
31/10/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		155,32	465,96C
	Total Dia:			0,00		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)					CARLOS EDUARDO OLIVEIRA DA SILVA	
Razão Geral de 01/01/2024 até 31/12/2024					Livro :0	Folha: 40
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
ENCARGOS SOCIAIS (INSS) A RECOLHER (671) 2-1-01-03-02						
30/11/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		155,32	465,96C
					155,32	621,28C
		Total Dia:		0,00		
					155,32	621,28C
12/12/2024	VR PG INSS CONF DARF PREVIDENCIARIO	43	00006	155,32		465,96C
		Total Dia:		155,32		
					0,00	465,96C
				TOTAIS:	1.242,56	
					1.708,52	465,96C
ACIONISTAS , ADMINSTRADORES, DIRETORES (26160) 2-1-01-03-16						
				Saldo Anterior:		1.174,80C
31/01/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		1.256,68	2.431,48C
		Total Dia:		0,00		
					1.256,68	2.431,48C
29/02/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		1.256,68	3.688,16C
		Total Dia:		0,00		
					1.256,68	3.688,16C
31/03/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		1.256,68	4.944,84C
		Total Dia:		0,00		
					1.256,68	4.944,84C
30/04/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		1.256,68	6.201,52C
		Total Dia:		0,00		
					1.256,68	6.201,52C
31/05/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		1.256,68	7.458,20C
		Total Dia:		0,00		
					1.256,68	7.458,20C
30/06/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		1.256,68	8.714,88C
		Total Dia:		0,00		
					1.256,68	8.714,88C
31/07/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		1.256,68	9.971,56C
		Total Dia:		0,00		
					1.256,68	9.971,56C
31/08/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		1.256,68	11.228,24C
		Total Dia:		0,00		
					1.256,68	11.228,24C
30/09/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		1.256,68	12.484,92C
		Total Dia:		0,00		
					1.256,68	12.484,92C
31/10/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		1.256,68	13.741,60C
		Total Dia:		0,00		
					1.256,68	13.741,60C
30/11/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006		1.256,68	14.998,28C
		Total Dia:		0,00		
					1.256,68	14.998,28C
				TOTAIS:	0,00	
					13.823,48	14.998,28C
LUCROS E PREJUIZOS ACUMULADOS (752) 2-3-01-01-04						
				Saldo Anterior:		1.650.389,13C
31/03/2024	Encerramento Do Exercício	6220	00007		315.902,91	1.966.292,04C
		Total Dia:		0,00		
					315.902,91	1.966.292,04C
08/05/2024	VR CAPITAL SOCIAL INTEGRALIZADO	26349	00004	290.000,00		1.676.292,04C

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 41
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
LUCROS E PREJUIZOS ACUMULADOS (752) 2-3-01-01-04						
			Total Dia:	290.000,00		
					0,00	1.676.292,04C
30/06/2024	Encerramento Do Exercício	6220	00008		522.967,76	2.199.259,80C
			Total Dia:	0,00		
					522.967,76	2.199.259,80C
30/09/2024	Encerramento Do Exercício	6220	00009		874.708,50	3.073.968,30C
			Total Dia:	0,00		
					874.708,50	3.073.968,30C
31/12/2024	Encerramento Do Exercício	6220	00010		343.955,10	3.417.923,40C
			Total Dia:	0,00		
					343.955,10	3.417.923,40C
				TOTAIS:	290.000,00	
					2.057.534,27	3.417.923,40C
CAPITAL SOCIAL INTEGRALIZADO (26349) 2-3-01-02-01						
			Saldo Anterior:			10.000,00C
08/05/2024	VR CAPITAL SOCIAL INTEGRALIZADO	752	00004		290.000,00	300.000,00C
			Total Dia:	0,00		
					290.000,00	300.000,00C
				TOTAIS:	0,00	
					290.000,00	300.000,00C
AGUA E ESGOTO (957) 3-1-01-02-02						
09/01/2024	VR PGTO DESPESAS AGUA E ESGOTO	86	00004	203,36		203,36D
			Total Dia:	203,36		
					0,00	203,36D
26/03/2024	VR PGTO DESPESA AGUA	86	00004	243,08		446,44D
			Total Dia:	243,08		
					0,00	446,44D
31/03/2024	Encerramento Do Exercício	6220	00007		446,44	0,00D
			Total Dia:	0,00		
					446,44	0,00D
08/04/2024	VR PGTO DESPESA AGUA E ESGOTO	86	00004	765,25		765,25D
			Total Dia:	765,25		
					0,00	765,25D
30/06/2024	Encerramento Do Exercício	6220	00008		765,25	0,00D
			Total Dia:	0,00		
					765,25	0,00D
				TOTAIS:	1.211,69	
					1.211,69	0,00D
TELEFONE (1112) 3-1-01-02-06						
15/02/2024	VR PGTO DESPESAS INTERNET/TELEFONE	299	00004	148,54		148,54D
			Total Dia:	148,54		
					0,00	148,54D
13/03/2024	VR PGTO DESPESAS TELEFONE/INTERNET	86	00004	58,00		206,54D
			Total Dia:	58,00		
					0,00	206,54D
31/03/2024	Encerramento Do Exercício	6220	00007		206,54	0,00D
			Total Dia:	0,00		
					206,54	0,00D
				TOTAIS:	206,54	
					206,54	0,00D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)					CARLOS EDUARDO OLIVEIRA DA SILVA	
Razão Geral de 01/01/2024 até 31/12/2024					Livro :0	Folha: 42
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
MATERIAL DE USO E CONSUMO (25615) 3-1-01-02-10						
15/02/2024	Valor Ref a Material de Uso e Consumo conforme	26384	00005	1.305,92		1.305,92D
	Total Dia:			1.305,92		
					0,00	1.305,92D
21/02/2024	Valor Ref a Material de Uso e Consumo conforme	26384	00005	2.611,84		3.917,76D
	Total Dia:			2.611,84		
					0,00	3.917,76D
12/03/2024	Valor Ref a Material de Uso e Consumo conforme	26384	00005	1.115,05		5.032,81D
	Total Dia:			1.115,05		
					0,00	5.032,81D
31/03/2024	Encerramento Do Exercício	6220	00007		5.032,81	0,00D
	Total Dia:			0,00		
					5.032,81	0,00D
07/05/2024	Valor Ref a Material de Uso e Consumo conforme	26384	00005	15.450,00		15.450,00D
	Total Dia:			15.450,00		
					0,00	15.450,00D
16/05/2024	Valor Ref a Material de Uso e Consumo conforme	26384	00005	10.623,36		26.073,36D
	Total Dia:			10.623,36		
					0,00	26.073,36D
07/06/2024	Valor Ref a Material de Uso e Consumo conforme	26384	00005	5.077,60		31.150,96D
	Total Dia:			5.077,60		
					0,00	31.150,96D
27/06/2024	Valor Ref a compra de Matéria Prima conforme	26384	00005	202,64		31.353,60D
	Total Dia:			202,64		
					0,00	31.353,60D
30/06/2024	Encerramento Do Exercício	6220	00008		31.353,60	0,00D
	Total Dia:			0,00		
					31.353,60	0,00D
15/07/2024	Valor Ref a compra de Matéria Prima conforme	26384	00005	168,19		168,19D
	Total Dia:			168,19		
					0,00	168,19D
12/08/2024	Valor Ref a Material de Uso e Consumo conforme	26384	00005	7.055,30		7.223,49D
	Total Dia:			7.055,30		
					0,00	7.223,49D
30/09/2024	Encerramento Do Exercício	6220	00009		7.223,49	0,00D
	Total Dia:			0,00		
					7.223,49	0,00D
TOTAIS:				43.609,90		
					43.609,90	0,00D
DEPRECIAÇÕES (5193) 3-1-01-02-14						
31/12/2024	VR DEPRECIACAO ACUMULADA N/ANO	25623	00004	3.619,24		3.619,24D
31/12/2024	VR DEPRECIACAO ACUMULADA N/ANO	493	00004	10.833,13		14.452,37D
31/12/2024	Encerramento Do Exercício	6220	00010		14.452,37	0,00D
	Total Dia:			14.452,37		
					14.452,37	0,00D
TOTAIS:				14.452,37		
					14.452,37	0,00D
FRETES E CARRETOS (1163) 3-1-01-02-17						
07/11/2024	Valor Ref a Fretes conforme DOC N° ???	26384	00005	2.887,46		2.887,46D
07/11/2024	Valor Ref a Fretes conforme DOC N° ???	26384	00005	1.668,55		4.556,01D
	Total Dia:			4.556,01		
					0,00	4.556,01D
31/12/2024	Encerramento Do Exercício	6220	00010		4.556,01	0,00D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 43
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
FRETES E CARRETOS (1163) 3-1-01-02-17						
			Total Dia:	0,00		
					4.556,01	0,00D
			TOTAIS:	4.556,01		
					4.556,01	0,00D
ENERGIA ELETRICA (1074) 3-1-01-02-24						
15/02/2024	VR PGTO DESPESAS ENERGIA		86 00004	321,76		321,76D
			Total Dia:	321,76		
					0,00	321,76D
26/03/2024	VR PGTO DESPESA ENERGIA		86 00004	109,00		430,76D
			Total Dia:	109,00		
					0,00	430,76D
31/03/2024	Encerramento Do Exercício		6220 00007		430,76	0,00D
			Total Dia:	0,00		
					430,76	0,00D
			TOTAIS:	430,76		
					430,76	0,00D
SERVIÇOS DE TERCEIROS (26188) 3-1-01-02-34						
09/02/2024	VR PGTO DESPESAS DIVERSAS		86 00004	1.528,26		1.528,26D
			Total Dia:	1.528,26		
					0,00	1.528,26D
31/03/2024	VR TRANSFERENCIA ENTRE CONTAS		26384 00004	308.302,35		309.830,61D
31/03/2024	Encerramento Do Exercício		6220 00007		309.830,61	0,00
			Total Dia:	308.302,35		
					309.830,61	0,00
30/06/2024	VR TRANSFERENCIA ENTRE CONTAS		26384 00004	308.302,35		308.302,35D
30/06/2024	Encerramento Do Exercício		6220 00008		308.302,35	0,00
			Total Dia:	308.302,35		
					308.302,35	0,00
30/09/2024	VR TRANSFERENCIA ENTRE CONTAS		26384 00004	308.302,35		308.302,35D
30/09/2024	Encerramento Do Exercício		6220 00009		308.302,35	0,00
			Total Dia:	308.302,35		
					308.302,35	0,00
			TOTAIS:	926.435,31		
					926.435,31	0,00
PRO-LABORE (26412) 3-1-01-02-36						
17/01/2024	VR PG INSS CONF DARF		86 00004	145,20		145,20D
			Total Dia:	145,20		
					0,00	145,20D
31/01/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006	1.412,00		1.557,20D
			Total Dia:	1.412,00		
					0,00	1.557,20D
29/02/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006	1.412,00		2.969,20D
			Total Dia:	1.412,00		
					0,00	2.969,20D
31/03/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006	1.412,00		4.381,20D
31/03/2024	Encerramento Do Exercício		6220 00007		4.381,20	0,00D
			Total Dia:	1.412,00		
					4.381,20	0,00D
30/04/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006	1.412,00		1.412,00D
			Total Dia:	1.412,00		
					0,00	1.412,00D
31/05/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006	1.412,00		2.824,00D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 44
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
PRO-LABORE (26412) 3-1-01-02-36						
			Total Dia:	1.412,00		
					0,00	2.824,00D
30/06/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006	1.412,00		4.236,00D
30/06/2024	Encerramento Do Exercício	6220	00008		4.236,00	0,00D
			Total Dia:	1.412,00		
					4.236,00	0,00D
31/07/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006	1.412,00		1.412,00D
			Total Dia:	1.412,00		
					0,00	1.412,00D
31/08/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006	1.412,00		2.824,00D
			Total Dia:	1.412,00		
					0,00	2.824,00D
30/09/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006	1.412,00		4.236,00D
30/09/2024	Encerramento Do Exercício	6220	00009		4.236,00	0,00D
			Total Dia:	1.412,00		
					4.236,00	0,00D
31/10/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006	1.412,00		1.412,00D
			Total Dia:	1.412,00		
					0,00	1.412,00D
30/11/2024	VR PRO-LABORE MES CONF FOPAG	Lanc.Mult.	00006	1.412,00		2.824,00D
			Total Dia:	1.412,00		
					0,00	2.824,00D
31/12/2024	Encerramento Do Exercício	6220	00010		2.824,00	0,00D
			Total Dia:	0,00		
					2.824,00	0,00D
			TOTAIS:	15.677,20		
					15.677,20	0,00D
DESPESAS BANCARIAS (1201) 3-1-01-03-01						
10/01/2024	VR PGTO TARIFA BANCO	86	00004	124,22		124,22D
			Total Dia:	124,22		
					0,00	124,22D
29/02/2024	VR DEBITO TARIFA BANCARIA N/DATA	86	00004	150,39		274,61D
			Total Dia:	150,39		
					0,00	274,61D
31/03/2024	VR DEBITO TARIFA BANCARIA N/MES	86	00004	93,92		368,53D
31/03/2024	Encerramento Do Exercício	6220	00007		368,53	0,00D
			Total Dia:	93,92		
					368,53	0,00D
30/04/2024	VR DEBITO TARIFA BANCARIA N/MES	86	00004	111,37		111,37D
			Total Dia:	111,37		
					0,00	111,37D
01/05/2024	VR DEBITO TARIFA BANCARIA N/DATA	86	00004	82,00		193,37D
			Total Dia:	82,00		
					0,00	193,37D
01/06/2024	VR DEBITO TARIFA BANCARIA N/DATA	86	00004	72,00		265,37D
			Total Dia:	72,00		
					0,00	265,37D
30/06/2024	Encerramento Do Exercício	6220	00008		265,37	0,00D
			Total Dia:	0,00		
					265,37	0,00D
31/07/2024	VR DEBITO TARIFA BANCARIA N/DATA	86	00004	131,04		131,04D
			Total Dia:	131,04		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 45
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
DESPESAS BANCARIAS (1201) 3-1-01-03-01						
					0,00	131,04D
31/08/2024	VR DEBITO TARIFA BANCARIA N/MES		86 00004	93,80		224,84D
			Total Dia:	93,80		
					0,00	224,84D
02/09/2024	VR DEBITO DESPESAS BANCARIA N/MES		86 00004	93,80		318,64D
			Total Dia:	93,80		
					0,00	318,64D
30/09/2024	Encerramento Do Exercício		6220 00009		318,64	0,00D
			Total Dia:	0,00		
					318,64	0,00D
01/10/2024	VR DEBITO TARIFA BANCARIA N/ MES		86 00004	167,37		167,37D
			Total Dia:	167,37		
					0,00	167,37D
11/11/2024	VR DEBITO TARIFA BANCARIA N/DATA		86 00004	87,90		255,27D
			Total Dia:	87,90		
					0,00	255,27D
31/12/2024	Encerramento Do Exercício		6220 00010		255,27	0,00D
			Total Dia:	0,00		
					255,27	0,00D
			TOTAIS:	1.207,81		
					1.207,81	0,00D
IMPOSTOS E TAXAS (1309) 3-1-01-05-01						
17/01/2024	VR PG TAXA DUA N/DATA		86 00004	96,25		96,25D
			Total Dia:	96,25		
					0,00	96,25D
15/02/2024	VR PGTO IMPOSTOS CONF EXTRATO		86 00004	1.179,00		1.275,25D
			Total Dia:	1.179,00		
					0,00	1.275,25D
19/02/2024	VR PGTO IMPOSTOS CONF EXTRATO		86 00004	2.248,81		3.524,06D
			Total Dia:	2.248,81		
					0,00	3.524,06D
05/03/2024	VR PGTO IMPOSTOS CONF EXTRATO		86 00004	222,49		3.746,55D
			Total Dia:	222,49		
					0,00	3.746,55D
31/03/2024	Encerramento Do Exercício		6220 00007		3.746,55	0,00D
			Total Dia:	0,00		
					3.746,55	0,00D
02/04/2024	VR PGTO IMPOSTOS CONF EXTRATO		86 00004	12.888,41		12.888,41D
			Total Dia:	12.888,41		
					0,00	12.888,41D
06/05/2024	VR PGTO IMPOSTOS CONF EXTRATO		86 00004	2.186,30		15.074,71D
			Total Dia:	2.186,30		
					0,00	15.074,71D
30/06/2024	VR PGTO IMPOSTOS CONF EXTRATO		86 00004	1.861,61		16.936,32D
30/06/2024	Encerramento Do Exercício		6220 00008		16.936,32	0,00D
			Total Dia:	1.861,61		
					16.936,32	0,00D
23/09/2024	VR PGTO IMPOSTOS CONF EXTRATO		86 00004	3.581,69		3.581,69D
			Total Dia:	3.581,69		
					0,00	3.581,69D
30/09/2024	Encerramento Do Exercício		6220 00009		3.581,69	0,00D
			Total Dia:	0,00		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 46
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
IMPOSTOS E TAXAS (1309) 3-1-01-05-01						
					3.581,69	0,00D
30/10/2024	VR PGTO TAXAS N/MES	86	00004	1.735,38		1.735,38D
			Total Dia:	1.735,38		
					0,00	1.735,38D
05/11/2024	VR PGTO IMPOSTOS CONF EXTRATO	86	00004	1.747,38		3.482,76D
			Total Dia:	1.747,38		
					0,00	3.482,76D
31/12/2024	Encerramento Do Exercício	6220	00010		3.482,76	0,00D
			Total Dia:	0,00		
					3.482,76	0,00D
			TOTAIS:	27.747,32		
					27.747,32	0,00D
CUSTOS DA MERCADORIA VENDIDA (2208) 3-3-01-01-01						
31/12/2024	VR CMV CONF APURACAO ANO	256	00001	2.065.960,38		2.065.960,38D
31/12/2024	Encerramento Do Exercício	6220	00010		2.065.960,38	0,00D
			Total Dia:	2.065.960,38		
					2.065.960,38	0,00D
			TOTAIS:	2.065.960,38		
					2.065.960,38	0,00D
MERCADORIA (25666) 4-1-01-03-01						
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 169-	299	00001		13.800,00	13.800,00C
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 170-	299	00001		14.532,12	28.332,12C
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 171-	299	00001		2.409,23	30.741,35C
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 172-	299	00001		2.870,00	33.611,35C
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 173-	299	00001		2.870,00	36.481,35C
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 174-	299	00001		2.870,00	39.351,35C
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 175-	299	00001		24.000,00	63.351,35C
10/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 176-	299	00001		12.000,00	75.351,35C
			Total Dia:	0,00		
					75.351,35	75.351,35C
15/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 177-	299	00001		3.720,00	79.071,35C
15/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 178-	299	00001		6.760,00	85.831,35C
15/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 179-	299	00001		2.700,00	88.531,35C
15/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 180-	299	00001		20.000,00	108.531,35C
15/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 181-	299	00001		32.000,00	140.531,35C
			Total Dia:	0,00		
					65.180,00	140.531,35C
16/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 182-	299	00001		1.349,00	141.880,35C
16/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 183-	299	00001		15.600,00	157.480,35C
16/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 184-	299	00001		3.700,00	161.180,35C
16/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 185-	299	00001		679,00	161.859,35C
16/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 186-	299	00001		131.264,00	293.123,35C
16/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 186-	299	00001		1.400,00	294.523,35C
16/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 186-	299	00001		1.400,00	295.923,35C
			Total Dia:	0,00		
					155.392,00	295.923,35C
17/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 187-	299	00001		1.889,00	297.812,35C
17/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 188-	299	00001		6.000,00	303.812,35C
			Total Dia:	0,00		
					7.889,00	303.812,35C
19/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 189-	299	00001		42.455,40	346.267,75C
19/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 190-	299	00001		6.000,00	352.267,75C
			Total Dia:	0,00		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 47
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
MERCADORIA (25666) 4-1-01-03-01						
					48.455,40	352.267,75C
22/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 191-	299	00001		1.066,00	353.333,75C
22/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 192-	299	00001		78,00	353.411,75C
22/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 193-	299	00001		78,00	353.489,75C
	Total Dia:			0,00		
					1.222,00	353.489,75C
23/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 194-	299	00001		25.798,00	379.287,75C
23/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 195-	299	00001		3.997,80	383.285,55C
23/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 196-	299	00001		15.300,00	398.585,55C
23/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 197-	299	00001		2.700,00	401.285,55C
	Total Dia:			0,00		
					47.795,80	401.285,55C
24/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 198-	299	00001		385,00	401.670,55C
24/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 199-	299	00001		7.900,00	409.570,55C
	Total Dia:			0,00		
					8.285,00	409.570,55C
29/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 200-	299	00001		94.958,56	504.529,11C
	Total Dia:			0,00		
					94.958,56	504.529,11C
31/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 201-	299	00001		26.100,00	530.629,11C
31/01/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 201-	299	00001		600,00	531.229,11C
	Total Dia:			0,00		
					26.700,00	531.229,11C
07/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 202-	299	00001		14.599,00	545.828,11C
	Total Dia:			0,00		
					14.599,00	545.828,11C
08/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 203-	299	00001		718,00	546.546,11C
	Total Dia:			0,00		
					718,00	546.546,11C
16/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 204-	299	00001		280,00	546.826,11C
	Total Dia:			0,00		
					280,00	546.826,11C
19/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 205-	299	00001		750,00	547.576,11C
19/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 205-	299	00001		3.340,00	550.916,11C
19/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 207-	299	00001		95.400,00	646.316,11C
	Total Dia:			0,00		
					99.490,00	646.316,11C
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 208-	299	00001		900,00	647.216,11C
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 209-	299	00001		900,00	648.116,11C
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 210-	299	00001		360,00	648.476,11C
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 211-	299	00001		287,00	648.763,11C
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 212-	299	00001		9.800,00	658.563,11C
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 212-	299	00001		100,00	658.663,11C
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 212-	299	00001		100,00	658.763,11C
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 213-	299	00001		9.800,00	668.563,11C
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 213-	299	00001		100,00	668.663,11C
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 213-	299	00001		100,00	668.763,11C
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 214-	299	00001		2.051,00	670.814,11C
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 215-	299	00001		15.200,00	686.014,11C
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 217-	299	00001		648,64	686.662,75C
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 218-	299	00001		4.920,00	691.582,75C
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 219-	299	00001		2.460,00	694.042,75C
	Total Dia:			0,00		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)					CARLOS EDUARDO OLIVEIRA DA SILVA	
Razão Geral de 01/01/2024 até 31/12/2024					Livro :0	Folha: 48
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
MERCADORIA (25666) 4-1-01-03-01						
					47.726,64	694.042,75C
27/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 220-	299	00001		10.555,00	704.597,75C
	Total Dia:			0,00		
					10.555,00	704.597,75C
28/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 221-	299	00001		2.051,00	706.648,75C
28/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 222-	299	00001		2.051,00	708.699,75C
	Total Dia:			0,00		
					4.102,00	708.699,75C
06/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 224-	299	00001		15.200,00	723.899,75C
	Total Dia:			0,00		
					15.200,00	723.899,75C
07/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 227-	299	00001		900,00	724.799,75C
07/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 228-	299	00001		900,00	725.699,75C
	Total Dia:			0,00		
					1.800,00	725.699,75C
11/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 230-	299	00001		3.300,00	728.999,75C
	Total Dia:			0,00		
					3.300,00	728.999,75C
20/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 232-	299	00001		22.240,00	751.239,75C
20/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 233-	299	00001		900,00	752.139,75C
20/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 234-	299	00001		3.790,00	755.929,75C
	Total Dia:			0,00		
					26.930,00	755.929,75C
26/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 235-	299	00001		2.051,00	757.980,75C
	Total Dia:			0,00		
					2.051,00	757.980,75C
28/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 236-	299	00001		280,00	758.260,75C
	Total Dia:			0,00		
					280,00	758.260,75C
31/03/2024	Encerramento Do Exercício	6220	00007	758.260,75		0,00C
	Total Dia:			758.260,75		
					0,00	0,00C
01/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 237-	299	00001		3.260,00	3.260,00C
01/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 238-	299	00001		8.664,00	11.924,00C
01/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 238-	299	00001		10.518,13	22.442,13C
01/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 239-	299	00001		3.893,00	26.335,13C
01/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 240-	299	00001		90,00	26.425,13C
01/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 241-	299	00001		18.214,08	44.639,21C
	Total Dia:			0,00		
					44.639,21	44.639,21C
02/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 242-	299	00001		1.800,00	46.439,21C
	Total Dia:			0,00		
					1.800,00	46.439,21C
03/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 243-	299	00001		599,50	47.038,71C
03/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 244-	299	00001		1.954,00	48.992,71C
03/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 245-	299	00001		180.000,00	228.992,71C
	Total Dia:			0,00		
					182.553,50	228.992,71C
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 246-	299	00001		798,00	229.790,71C
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 247-	299	00001		2.394,00	232.184,71C
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 248-	299	00001		798,00	232.982,71C
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 249-	299	00001		1.800,00	234.782,71C
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 250-	299	00001		6.300,00	241.082,71C

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 49
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
MERCADORIA (25666) 4-1-01-03-01						
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 251-	299	00001		8.300,00	249.382,71C
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 252-	299	00001		324,00	249.706,71C
04/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 252-	299	00001		1.126,02	250.832,73C
	Total Dia:			0,00		
					21.840,02	250.832,73C
05/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 253-	299	00001		92.400,00	343.232,73C
05/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 253-	299	00001		3.600,00	346.832,73C
	Total Dia:			0,00		
					96.000,00	346.832,73C
08/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 254-	299	00001		898,80	347.731,53C
	Total Dia:			0,00		
					898,80	347.731,53C
16/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 255-	299	00001		11.000,00	358.731,53C
	Total Dia:			0,00		
					11.000,00	358.731,53C
18/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 256-	299	00001		140,00	358.871,53C
	Total Dia:			0,00		
					140,00	358.871,53C
19/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 257-	299	00001		10.300,00	369.171,53C
19/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 258-	299	00001		48.150,00	417.321,53C
	Total Dia:			0,00		
					58.450,00	417.321,53C
23/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 259-	299	00001		4.830,00	422.151,53C
	Total Dia:			0,00		
					4.830,00	422.151,53C
25/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 260-	299	00001		5.579,80	427.731,33C
	Total Dia:			0,00		
					5.579,80	427.731,33C
30/04/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 261-	299	00001		1.175,00	428.906,33C
	Total Dia:			0,00		
					1.175,00	428.906,33C
02/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 262-	299	00001		20.790,00	449.696,33C
02/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 262-	299	00001		150,00	449.846,33C
02/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 262-	299	00001		150,00	449.996,33C
02/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 263-	299	00001		712,00	450.708,33C
02/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 264-	299	00001		44.835,00	495.543,33C
	Total Dia:			0,00		
					66.637,00	495.543,33C
08/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 265-	299	00001		977,00	496.520,33C
	Total Dia:			0,00		
					977,00	496.520,33C
13/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 266-	299	00001		10.800,00	507.320,33C
13/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 267-	299	00001		33.100,00	540.420,33C
	Total Dia:			0,00		
					43.900,00	540.420,33C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 268-	299	00001		180,00	540.600,33C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 269-	299	00001		78,00	540.678,33C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 270-	299	00001		78,00	540.756,33C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 271-	299	00001		403,00	541.159,33C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 272-	299	00001		750,00	541.909,33C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 273-	299	00001		1.362,00	543.271,33C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 274-	299	00001		5.040,00	548.311,33C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 274-	299	00001		600,00	548.911,33C

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 50
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
MERCADORIA (25666) 4-1-01-03-01						
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 274-	299	00001		17.400,00	566.311,33C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 275-	299	00001		15.988,57	582.299,90C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 276-	299	00001		9.520,00	591.819,90C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 277-	299	00001		2.380,00	594.199,90C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 278-	299	00001		2.380,00	596.579,90C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 279-	299	00001		2.380,00	598.959,90C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 280-	299	00001		2.380,00	601.339,90C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 281-	299	00001		2.380,00	603.719,90C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 282-	299	00001		2.380,00	606.099,90C
14/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 283-	299	00001		2.380,00	608.479,90C
	Total Dia:			0,00		
					68.059,57	608.479,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 284-	299	00001		4.760,00	613.239,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 285-	299	00001		4.760,00	617.999,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 286-	299	00001		4.760,00	622.759,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 287-	299	00001		4.760,00	627.519,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 288-	299	00001		7.140,00	634.659,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 289-	299	00001		7.140,00	641.799,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 290-	299	00001		2.380,00	644.179,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 291-	299	00001		2.380,00	646.559,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 292-	299	00001		2.380,00	648.939,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 293-	299	00001		18.525,00	667.464,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 294-	299	00001		2.925,00	670.389,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 295-	299	00001		9.750,00	680.139,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 296-	299	00001		20.475,00	700.614,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 297-	299	00001		22.425,00	723.039,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 298-	299	00001		23.400,00	746.439,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 299-	299	00001		20.475,00	766.914,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 300-	299	00001		5.850,00	772.764,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 301-	299	00001		9.750,00	782.514,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 302-	299	00001		29.250,00	811.764,90C
16/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 303-	299	00001		54.600,00	866.364,90C
	Total Dia:			0,00		
					257.885,00	866.364,90C
20/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 304-	299	00001		4.195,50	870.560,40C
	Total Dia:			0,00		
					4.195,50	870.560,40C
22/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 306-	299	00001		11.000,00	881.560,40C
22/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 307-	299	00001		15.600,00	897.160,40C
	Total Dia:			0,00		
					26.600,00	897.160,40C
28/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 311-	299	00001		88.200,00	985.360,40C
	Total Dia:			0,00		
					88.200,00	985.360,40C
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 312-	299	00001		1.800,00	987.160,40C
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 313-	299	00001		1.800,00	988.960,40C
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 314-	299	00001		4.300,00	993.260,40C
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 315-	299	00001		1.750,00	995.010,40C
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 315-	299	00001		54,00	995.064,40C
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 315-	299	00001		250,00	995.314,40C
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 316-	299	00001		75,00	995.389,40C
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 317-	299	00001		545,00	995.934,40C
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 318-	299	00001		180,00	996.114,40C
05/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 319-	299	00001		816,00	996.930,40C

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 51
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
MERCADORIA (25666) 4-1-01-03-01						
			Total Dia:	0,00		
					11.570,00	996.930,40C
06/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 320-	299	00001		145,46	997.075,86C
06/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 321-	299	00001		450,00	997.525,86C
06/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 322-	299	00001		20.000,00	1.017.525,86C
06/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 323-	299	00001		4.099,00	1.021.624,86C
06/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 324-	299	00001		4.600,00	1.026.224,86C
06/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 325-	299	00001		5.720,00	1.031.944,86C
			Total Dia:	0,00		
					35.014,46	1.031.944,86C
18/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 326-	299	00001		1.064,00	1.033.008,86C
			Total Dia:	0,00		
					1.064,00	1.033.008,86C
24/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 327-	299	00001		118.000,00	1.151.008,86C
			Total Dia:	0,00		
					118.000,00	1.151.008,86C
28/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 329-	299	00001		63.000,00	1.214.008,86C
			Total Dia:	0,00		
					63.000,00	1.214.008,86C
30/06/2024	Encerramento Do Exercício	6220	00008	1.214.008,86		0,00C
			Total Dia:	1.214.008,86		
					0,00	0,00C
03/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 331-	299	00001		6.600,00	6.600,00C
03/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 332-	299	00001		26.325,00	32.925,00C
			Total Dia:	0,00		
					32.925,00	32.925,00C
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 333-	299	00001		12.600,00	45.525,00C
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 334-	299	00001		2.400,00	47.925,00C
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 335-	299	00001		4.249,00	52.174,00C
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 336-	299	00001		7.199,98	59.373,98C
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 337-	299	00001		23.970,00	83.343,98C
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 339-	299	00001		26.325,00	109.668,98C
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 340-	299	00001		11.000,00	120.668,98C
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 341-	299	00001		698,42	121.367,40C
			Total Dia:	0,00		
					88.442,40	121.367,40C
12/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 342-	299	00001		2.240,00	123.607,40C
12/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 343-	299	00001		11.200,00	134.807,40C
12/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 344-	299	00001		5.600,00	140.407,40C
12/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 345-	299	00001		180,20	140.587,60C
12/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 346-	299	00001		7.700,00	148.287,60C
12/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 347-	299	00001		19.250,00	167.537,60C
12/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 348-	299	00001		38.500,00	206.037,60C
			Total Dia:	0,00		
					84.670,20	206.037,60C
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 349-	299	00001		6.200,00	212.237,60C
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 349-	299	00001		6.400,00	218.637,60C
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 350-	299	00001		2.051,00	220.688,60C
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 351-	299	00001		437,28	221.125,88C
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 352-	299	00001		816,00	221.941,88C
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 353-	299	00001		218,64	222.160,52C
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 354-	299	00001		437,28	222.597,80C
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 355-	299	00001		665,96	223.263,76C

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 52
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
MERCADORIA (25666) 4-1-01-03-01						
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 356-	299	00001		250,00	223.513,76C
16/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 357-	299	00001		2.051,00	225.564,76C
	Total Dia:			0,00		
					19.527,16	225.564,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 358-	299	00001		2.925,00	228.489,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 359-	299	00001		2.925,00	231.414,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 360-	299	00001		19.500,00	250.914,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 361-	299	00001		975,00	251.889,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 362-	299	00001		7.800,00	259.689,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 363-	299	00001		35.100,00	294.789,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 364-	299	00001		1.950,00	296.739,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 365-	299	00001		7.800,00	304.539,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 366-	299	00001		18.525,00	323.064,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 367-	299	00001		2.925,00	325.989,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 368-	299	00001		10.725,00	336.714,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 369-	299	00001		18.525,00	355.239,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 370-	299	00001		12.675,00	367.914,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 371-	299	00001		29.250,00	397.164,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 372-	299	00001		37.050,00	434.214,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 373-	299	00001		10.725,00	444.939,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 374-	299	00001		27.300,00	472.239,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 375-	299	00001		2.925,00	475.164,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 376-	299	00001		975,00	476.139,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 377-	299	00001		975,00	477.114,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 378-	299	00001		14.625,00	491.739,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 379-	299	00001		1.950,00	493.689,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 380-	299	00001		7.800,00	501.489,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 381-	299	00001		22.425,00	523.914,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 382-	299	00001		7.800,00	531.714,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 383-	299	00001		975,00	532.689,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 384-	299	00001		2.925,00	535.614,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 385-	299	00001		13.650,00	549.264,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 386-	299	00001		16.575,00	565.839,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 387-	299	00001		975,00	566.814,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 388-	299	00001		1.950,00	568.764,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 389-	299	00001		15.600,00	584.364,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 390-	299	00001		975,00	585.339,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 391-	299	00001		975,00	586.314,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 392-	299	00001		22.425,00	608.739,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 393-	299	00001		6.825,00	615.564,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 394-	299	00001		1.950,00	617.514,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 395-	299	00001		3.900,00	621.414,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 396-	299	00001		18.525,00	639.939,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 397-	299	00001		22.425,00	662.364,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 398-	299	00001		25.350,00	687.714,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 399-	299	00001		4.875,00	692.589,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 400-	299	00001		27.300,00	719.889,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 401-	299	00001		19.500,00	739.389,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 402-	299	00001		23.400,00	762.789,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 403-	299	00001		20.475,00	783.264,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 404-	299	00001		28.275,00	811.539,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 405-	299	00001		18.525,00	830.064,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 406-	299	00001		34.125,00	864.189,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 407-	299	00001		17.550,00	881.739,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 408-	299	00001		15.600,00	897.339,76C

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 53
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
MERCADORIA (25666) 4-1-01-03-01						
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 409-	299	00001		18.525,00	915.864,76C
17/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 410-	299	00001		3.900,00	919.764,76C
	Total Dia:			0,00		
					694.200,00	919.764,76C
18/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 411-	299	00001		35.100,00	954.864,76C
18/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 412-	299	00001		23.400,00	978.264,76C
18/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 413-	299	00001		47.775,00	1.026.039,76C
18/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 414-	299	00001		21.450,00	1.047.489,76C
18/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 415-	299	00001		31.200,00	1.078.689,76C
18/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 416-	299	00001		11.700,00	1.090.389,76C
	Total Dia:			0,00		
					170.625,00	1.090.389,76C
22/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 417-	299	00001		25.200,00	1.115.589,76C
	Total Dia:			0,00		
					25.200,00	1.115.589,76C
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 418-	299	00001		196,00	1.115.785,76C
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 419-	299	00001		79,28	1.115.865,04C
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 421-	299	00001		260,00	1.116.125,04C
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 422-	299	00001		34.500,00	1.150.625,04C
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 423-	299	00001		880,00	1.151.505,04C
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 423-	299	00001		140,00	1.151.645,04C
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 424-	299	00001		225,00	1.151.870,04C
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 424-	299	00001		650,00	1.152.520,04C
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 425-	299	00001		63,00	1.152.583,04C
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 425-	299	00001		182,00	1.152.765,04C
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 426-	299	00001		18,00	1.152.783,04C
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 426-	299	00001		52,00	1.152.835,04C
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 427-	299	00001		36,00	1.152.871,04C
30/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 427-	299	00001		104,00	1.152.975,04C
	Total Dia:			0,00		
					37.385,28	1.152.975,04C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 429-	299	00001		15.600,00	1.168.575,04C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 430-	299	00001		9.030,79	1.177.605,83C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 431-	299	00001		13.500,00	1.191.105,83C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 432-	299	00001		1.350,00	1.192.455,83C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 433-	299	00001		770,00	1.193.225,83C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 434-	299	00001		274,75	1.193.500,58C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 435-	299	00001		615,00	1.194.115,58C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 436-	299	00001		554,50	1.194.670,08C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 437-	299	00001		977,18	1.195.647,26C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 438-	299	00001		200,00	1.195.847,26C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 438-	299	00001		160,00	1.196.007,26C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 439-	299	00001		2.365,67	1.198.372,93C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 440-	299	00001		600,00	1.198.972,93C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 441-	299	00001		50,00	1.199.022,93C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 442-	299	00001		8.239,00	1.207.261,93C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 443-	299	00001		12.679,00	1.219.940,93C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 444-	299	00001		9.940,00	1.229.880,93C
16/08/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 445-	299	00001		11.400,00	1.241.280,93C
	Total Dia:			0,00		
					88.305,89	1.241.280,93C
11/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 447-	299	00001		8.500,00	1.249.780,93C
11/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 448-	299	00001		22.425,00	1.272.205,93C
	Total Dia:			0,00		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0	Folha: 54	
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
MERCADORIA (25666) 4-1-01-03-01						
					30.925,00	1.272.205,93C
12/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 449-	299	00001		36.000,00	1.308.205,93C
12/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 450-	299	00001		5.400,00	1.313.605,93C
12/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 450-	299	00001		1.080,00	1.314.685,93C
12/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 450-	299	00001		400,00	1.315.085,93C
	Total Dia:			0,00		
					42.880,00	1.315.085,93C
18/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 451-	299	00001		5.600,00	1.320.685,93C
18/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 452-	299	00001		9.450,00	1.330.135,93C
18/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 453-	299	00001		2.600,00	1.332.735,93C
18/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 454-	299	00001		7.466,03	1.340.201,96C
18/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 455-	299	00001		8.300,00	1.348.501,96C
	Total Dia:			0,00		
					33.416,03	1.348.501,96C
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 456-	299	00001		12.199,46	1.360.701,42C
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 458-	299	00001		12.675,00	1.373.376,42C
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 459-	299	00001		175,00	1.373.551,42C
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 460-	299	00001		127,52	1.373.678,94C
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 461-	299	00001		97,12	1.373.776,06C
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 462-	299	00001		23,44	1.373.799,50C
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 463-	299	00001		370,00	1.374.169,50C
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 464-	299	00001		1.420,00	1.375.589,50C
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 465-	299	00001		20.000,00	1.395.589,50C
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 466-	299	00001		3.347,00	1.398.936,50C
25/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 467-	299	00001		3.100,00	1.402.036,50C
	Total Dia:			0,00		
					53.534,54	1.402.036,50C
26/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 468-	299	00001		93,80	1.402.130,30C
26/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 468-	299	00001		177,60	1.402.307,90C
26/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 468-	299	00001		29,80	1.402.337,70C
26/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 469-	299	00001		21.479,98	1.423.817,68C
	Total Dia:			0,00		
					21.781,18	1.423.817,68C
30/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 471-	299	00001		204,90	1.424.022,58C
30/09/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 472-	299	00001		1.500,00	1.425.522,58C
30/09/2024	Encerramento Do Exercício	6220	00009	1.425.522,58		0,00C
	Total Dia:			1.425.522,58		
					1.704,90	0,00C
01/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 473-	299	00001		249.700,00	249.700,00C
01/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 473-	299	00001		23.355,00	273.055,00C
01/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 473-	299	00001		9.267,00	282.322,00C
	Total Dia:			0,00		
					282.322,00	282.322,00C
15/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 474-	299	00001		34.125,00	316.447,00C
15/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 475-	299	00001		35.100,00	351.547,00C
	Total Dia:			0,00		
					69.225,00	351.547,00C
16/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 476-	299	00001		917,00	352.464,00C
16/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 477-	299	00001		3.089,00	355.553,00C
	Total Dia:			0,00		
					4.006,00	355.553,00C
17/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 479-	299	00001		19.500,00	375.053,00C
17/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 480-	299	00001		14.625,00	389.678,00C

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 55
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
MERCADORIA (25666) 4-1-01-03-01						
17/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 482-	299	00001		16.200,00	405.878,00C
17/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 483-	299	00001		81.999,00	487.877,00C
17/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 483-	299	00001		1.800,00	489.677,00C
	Total Dia:			0,00		
					134.124,00	489.677,00C
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 484-	299	00001		176,00	489.853,00C
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 485-	299	00001		220,00	490.073,00C
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 486-	299	00001		274,75	490.347,75C
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 487-	299	00001		7.700,00	498.047,75C
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 487-	299	00001		200,00	498.247,75C
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 488-	299	00001		7.700,00	505.947,75C
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 488-	299	00001		200,00	506.147,75C
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 489-	299	00001		9.940,00	516.087,75C
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 490-	299	00001		14.910,00	530.997,75C
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 491-	299	00001		4.970,00	535.967,75C
24/10/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 492-	299	00001		4.970,00	540.937,75C
	Total Dia:			0,00		
					51.260,75	540.937,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 493-	299	00001		11.980,00	552.917,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 494-	299	00001		11.980,00	564.897,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 495-	299	00001		94.050,00	658.947,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 496-	299	00001		17.550,00	676.497,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 497-	299	00001		21.450,00	697.947,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 498-	299	00001		9.750,00	707.697,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 499-	299	00001		12.675,00	720.372,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 500-	299	00001		14.625,00	734.997,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 501-	299	00001		9.750,00	744.747,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 502-	299	00001		21.450,00	766.197,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 503-	299	00001		13.650,00	779.847,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 504-	299	00001		13.650,00	793.497,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 505-	299	00001		13.650,00	807.147,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 506-	299	00001		13.650,00	820.797,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 507-	299	00001		13.650,00	834.447,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 508-	299	00001		32.175,00	866.622,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 509-	299	00001		28.275,00	894.897,75C
01/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 510-	299	00001		27.300,00	922.197,75C
	Total Dia:			0,00		
					381.260,00	922.197,75C
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 511-	299	00001		1.950,00	924.147,75C
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 512-	299	00001		25.350,00	949.497,75C
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 513-	299	00001		10.725,00	960.222,75C
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 514-	299	00001		4.875,00	965.097,75C
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 515-	299	00001		3.900,00	968.997,75C
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 516-	299	00001		3.900,00	972.897,75C
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 517-	299	00001		4.875,00	977.772,75C
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 518-	299	00001		8.775,00	986.547,75C
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 519-	299	00001		2.925,00	989.472,75C
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 520-	299	00001		93.100,00	1.082.572,75C
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 521-	299	00001		207,00	1.082.779,75C
02/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 521-	299	00001		4.811,72	1.087.591,47C
	Total Dia:			0,00		
					165.393,72	1.087.591,47C
05/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 522-	299	00001		78,90	1.087.670,37C
	Total Dia:			0,00		

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0	Folha: 56	
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
MERCADORIA (25666) 4-1-01-03-01						
					78,90	1.087.670,37C
08/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 523-		299 00001		1.500,00	1.089.170,37C
	Total Dia:			0,00		
					1.500,00	1.089.170,37C
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 526-		299 00001		8.775,00	1.097.945,37C
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 527-		299 00001		12.675,00	1.110.620,37C
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 528-		299 00001		12.675,00	1.123.295,37C
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 529-		299 00001		23.400,00	1.146.695,37C
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 530-		299 00001		16.575,00	1.163.270,37C
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 531-		299 00001		15.600,00	1.178.870,37C
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 532-		299 00001		10.725,00	1.189.595,37C
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 533-		299 00001		18.525,00	1.208.120,37C
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 534-		299 00001		22.425,00	1.230.545,37C
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 535-		299 00001		14.625,00	1.245.170,37C
10/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 536-		299 00001		10.725,00	1.255.895,37C
	Total Dia:			0,00		
					166.725,00	1.255.895,37C
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 539-		299 00001		163.200,00	1.419.095,37C
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 539-		299 00001		3.400,00	1.422.495,37C
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 540-		299 00001		105.600,00	1.528.095,37C
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 540-		299 00001		2.200,00	1.530.295,37C
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 541-		299 00001		206.400,00	1.736.695,37C
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 541-		299 00001		4.300,00	1.740.995,37C
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 542-		299 00001		4.800,00	1.745.795,37C
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 542-		299 00001		100,00	1.745.895,37C
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 543-		299 00001		14.400,00	1.760.295,37C
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 543-		299 00001		300,00	1.760.595,37C
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 544-		299 00001		96.000,00	1.856.595,37C
11/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 544-		299 00001		2.000,00	1.858.595,37C
	Total Dia:			0,00		
					602.700,00	1.858.595,37C
13/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 545-		299 00001		5.090,00	1.863.685,37C
13/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 545-		299 00001		100,00	1.863.785,37C
	Total Dia:			0,00		
					5.190,00	1.863.785,37C
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 546-		299 00001		33.400,00	1.897.185,37C
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 547-		299 00001		50.150,00	1.947.335,37C
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 548-		299 00001		267.050,00	2.214.385,37C
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 549-		299 00001		2.839,76	2.217.225,13C
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 550-		299 00001		1.500,00	2.218.725,13C
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 551-		299 00001		7.148,00	2.225.873,13C
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 552-		299 00001		8.300,00	2.234.173,13C
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 553-		299 00001		19.110,00	2.253.283,13C
14/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 554-		299 00001		14.000,00	2.267.283,13C
	Total Dia:			0,00		
					403.497,76	2.267.283,13C
19/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 555-		299 00001		96.000,00	2.363.283,13C
19/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 555-		299 00001		2.000,00	2.365.283,13C
	Total Dia:			0,00		
					98.000,00	2.365.283,13C
20/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 556-		299 00001		20.000,00	2.385.283,13C
20/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 556-		299 00001		800,00	2.386.083,13C
	Total Dia:			0,00		
					20.800,00	2.386.083,13C

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 57
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
MERCADORIA (25666) 4-1-01-03-01						
25/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 557-	299	00001		336,00	2.386.419,13C
25/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 558-	299	00001		76.800,00	2.463.219,13C
25/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 559-	299	00001		91.200,00	2.554.419,13C
25/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 560-	299	00001		30.400,00	2.584.819,13C
25/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 561-	299	00001		49.700,00	2.634.519,13C
	Total Dia:			0,00		
					248.436,00	2.634.519,13C
26/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 562-	299	00001		25.024,00	2.659.543,13C
26/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 563-	299	00001		33.378,00	2.692.921,13C
26/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 564-	299	00001		69,00	2.692.990,13C
	Total Dia:			0,00		
					58.471,00	2.692.990,13C
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 565-	299	00001		196.800,00	2.889.790,13C
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 566-	299	00001		15.500,00	2.905.290,13C
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 567-	299	00001		9.999,00	2.915.289,13C
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 568-	299	00001		13.550,00	2.928.839,13C
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 569-	299	00001		12.753,57	2.941.592,70C
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 570-	299	00001		1.367,00	2.942.959,70C
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 571-	299	00001		6.584,40	2.949.544,10C
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 572-	299	00001		3.456,00	2.953.000,10C
28/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 573-	299	00001		51.699,32	3.004.699,42C
	Total Dia:			0,00		
					311.709,29	3.004.699,42C
29/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 574-	299	00001		3.780,00	3.008.479,42C
29/11/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 574-	299	00001		357.176,00	3.365.655,42C
	Total Dia:			0,00		
					360.956,00	3.365.655,42C
31/12/2024	Encerramento Do Exercício	6220	00010	3.365.655,42		0,00C
	Total Dia:			3.365.655,42		
					0,00	0,00C
				TOTAIS:	6.763.447,61	
					6.763.447,61	0,00C
(-) SIMPLES NACIONAL (26356) 4-1-01-04-06						
31/01/2024	VR SIMPLES NACIONAL MES CONF	26363	00002	52.110,19		52.110,19D
	Total Dia:			52.110,19		
					0,00	52.110,19D
28/02/2024	VR SIMPLES NACIONAL MES CONF	26363	00002	19.049,24		71.159,43D
	Total Dia:			19.049,24		
					0,00	71.159,43D
31/03/2024	VR SIMPLES NACIONAL MES CONF	26363	00002	427,33		71.586,76D
31/03/2024	Encerramento Do Exercício	6220	00007		71.586,76	0,00C
	Total Dia:			427,33		
					71.586,76	0,00C
30/04/2024	VR SIMPLES NACIONAL MES CONF	26363	00002	47.039,49		47.039,49D
	Total Dia:			47.039,49		
					0,00	47.039,49D
31/05/2024	VR SIMPLES NACIONAL MES CONF	26363	00002	62.284,92		109.324,41D
	Total Dia:			62.284,92		
					0,00	109.324,41D
30/06/2024	VR SIMPLES NACIONAL MES CONF	26363	00002	2.657,80		111.982,21D
30/06/2024	Encerramento Do Exercício	6220	00008		111.982,21	0,00C
	Total Dia:			2.657,80		
					111.982,21	0,00C

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 58
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
(-) SIMPLES NACIONAL (26356) 4-1-01-04-06						
31/07/2024	VR SIMPLES NACIONAL MES CONF	26363	00002	133.142,09		133.142,09D
	Total Dia:			133.142,09		
					0,00	133.142,09D
31/08/2024	VR SIMPLES NACIONAL MES CONF	26363	00002	10.903,40		144.045,49D
	Total Dia:			10.903,40		
					0,00	144.045,49D
30/09/2024	VR SIMPLES NACIONAL MES CONF	26363	00002	24.265,39		168.310,88D
30/09/2024	Encerramento Do Exercício	6220	00009		168.310,88	0,00C
	Total Dia:			24.265,39		
					168.310,88	0,00C
31/10/2024	VR SIMPLES NACIONAL MES CONF	26363	00002	79.006,45		79.006,45D
	Total Dia:			79.006,45		
					0,00	79.006,45D
30/11/2024	VR SIMPLES NACIONAL MES CONF	26363	00002	395.463,08		474.469,53D
	Total Dia:			395.463,08		
					0,00	474.469,53D
31/12/2024	Encerramento Do Exercício	6220	00010		474.469,53	0,00C
	Total Dia:			0,00		
					474.469,53	0,00C
TOTALS:				826.349,38		
					826.349,38	0,00C
(-) VENDA DE MERCADORIA (25968) 4-1-02-01-01						
20/02/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 216-	299	00005	648,64		648,64D
	Total Dia:			648,64		
					0,00	648,64D
06/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 223-	299	00005	15.200,00		15.848,64D
	Total Dia:			15.200,00		
					0,00	15.848,64D
07/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 225-	299	00005	900,00		16.748,64D
07/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 226-	299	00005	900,00		17.648,64D
	Total Dia:			1.800,00		
					0,00	17.648,64D
08/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 229-	299	00005	780,00		18.428,64D
	Total Dia:			780,00		
					0,00	18.428,64D
20/03/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 231-	299	00005	27.899,00		46.327,64D
	Total Dia:			27.899,00		
					0,00	46.327,64D
31/03/2024	Encerramento Do Exercício	6220	00007		46.327,64	0,00D
	Total Dia:			0,00		
					46.327,64	0,00D
22/05/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 305-	299	00005	11.000,00		11.000,00D
	Total Dia:			11.000,00		
					0,00	11.000,00D
28/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 328-	299	00005	88.200,00		99.200,00D
	Total Dia:			88.200,00		
					0,00	99.200,00D
30/06/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 330-	299	00005	118.000,00		217.200,00D
30/06/2024	Encerramento Do Exercício	6220	00008		217.200,00	0,00D
	Total Dia:			118.000,00		
					217.200,00	0,00D
10/07/2024	Valor Ref a Duplicatas a Receber DOC Nº ??? 338-	299	00005	26.325,00		26.325,00D

POWER TEC TECNOLOGIA EM INFORMATICA LTDA (00050)				CARLOS EDUARDO OLIVEIRA DA SILVA		
Razão Geral de 01/01/2024 até 31/12/2024				Livro :0		Folha: 59
Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
(-) VENDA DE MERCADORIA (25968) 4-1-02-01-01						
			Total Dia:	26.325,00		
					0,00	26.325,00D
16/08/2024	Valor Ref a Duplicatas a Receber DOC N° ??? 428-		299 00005	15.600,00		41.925,00D
			Total Dia:	15.600,00		
					0,00	41.925,00D
25/09/2024	Valor Ref a Duplicatas a Receber DOC N° ??? 457-		299 00005	7.466,03		49.391,03D
			Total Dia:	7.466,03		
					0,00	49.391,03D
28/09/2024	Valor Ref a Duplicatas a Receber DOC N° ??? 470-		299 00005	9.450,00		58.841,03D
			Total Dia:	9.450,00		
					0,00	58.841,03D
30/09/2024	Encerramento Do Exercício		6220 00009		58.841,03	0,00D
			Total Dia:	0,00		
					58.841,03	0,00D
08/11/2024	Valor Ref a Duplicatas a Receber DOC N° ??? 524-		299 00005	1.500,00		1.500,00D
			Total Dia:	1.500,00		
					0,00	1.500,00D
11/11/2024	Valor Ref a Duplicatas a Receber DOC N° ??? 537-		299 00005	93.100,00		94.600,00D
11/11/2024	Valor Ref a Duplicatas a Receber DOC N° ??? 538-		299 00005	94.050,00		188.650,00D
			Total Dia:	187.150,00		
					0,00	188.650,00D
04/12/2024	Valor Ref a Duplicatas a Receber DOC N° ??? 575-		299 00005	267.050,00		455.700,00D
			Total Dia:	267.050,00		
					0,00	455.700,00D
31/12/2024	Encerramento Do Exercício		6220 00010		455.700,00	0,00D
			Total Dia:	0,00		
					455.700,00	0,00D
TOTALS:				778.068,67		
					778.068,67	0,00D
RESULTADO DO EXERCÍCIO NO PERÍODO (6220) 5-1-01-01-01						
31/03/2024	Encerramento Do Exercício		25666 00007		758.260,75	758.260,75C
31/03/2024	Encerramento Do Exercício		957 00007	446,44		757.814,31C
31/03/2024	Encerramento Do Exercício		1112 00007	206,54		757.607,77C
31/03/2024	Encerramento Do Exercício		25615 00007	5.032,81		752.574,96C
31/03/2024	Encerramento Do Exercício		1074 00007	430,76		752.144,20C
31/03/2024	Encerramento Do Exercício		1201 00007	368,53		751.775,67C
31/03/2024	Encerramento Do Exercício		1309 00007	3.746,55		748.029,12C
31/03/2024	Encerramento Do Exercício		25968 00007	46.327,64		701.701,48C
31/03/2024	Encerramento Do Exercício		26188 00007	309.830,61		391.870,87C
31/03/2024	Encerramento Do Exercício		26356 00007	71.586,76		320.284,11C
31/03/2024	Encerramento Do Exercício		26412 00007	4.381,20		315.902,91C
31/03/2024	Encerramento Do Exercício		752 00007	315.902,91		0,00C
			Total Dia:	758.260,75		
					758.260,75	0,00C
30/06/2024	Encerramento Do Exercício		25666 00008		1.214.008,86	1.214.008,86C
30/06/2024	Encerramento Do Exercício		957 00008	765,25		1.213.243,61C
30/06/2024	Encerramento Do Exercício		25615 00008	31.353,60		1.181.890,01C
30/06/2024	Encerramento Do Exercício		1201 00008	265,37		1.181.624,64C
30/06/2024	Encerramento Do Exercício		1309 00008	16.936,32		1.164.688,32C
30/06/2024	Encerramento Do Exercício		25968 00008	217.200,00		947.488,32C
30/06/2024	Encerramento Do Exercício		26188 00008	308.302,35		639.185,97C
30/06/2024	Encerramento Do Exercício		26356 00008	111.982,21		527.203,76C
30/06/2024	Encerramento Do Exercício		26412 00008	4.236,00		522.967,76C

Data	Histórico	C/P	Lote	Débito	Crédito	S a l d o
RESULTADO DO EXERCÍCIO NO PERÍODO (6220) 5-1-01-01-01						
30/06/2024	Encerramento Do Exercício	752	00008	522.967,76		0,00C
		Total Dia:		1.214.008,86		
					1.214.008,86	0,00C
30/09/2024	Encerramento Do Exercício	25666	00009		1.425.522,58	1.425.522,58C
30/09/2024	Encerramento Do Exercício	25615	00009	7.223,49		1.418.299,09C
30/09/2024	Encerramento Do Exercício	1201	00009	318,64		1.417.980,45C
30/09/2024	Encerramento Do Exercício	1309	00009	3.581,69		1.414.398,76C
30/09/2024	Encerramento Do Exercício	25968	00009	58.841,03		1.355.557,73C
30/09/2024	Encerramento Do Exercício	26188	00009	308.302,35		1.047.255,38C
30/09/2024	Encerramento Do Exercício	26356	00009	168.310,88		878.944,50C
30/09/2024	Encerramento Do Exercício	26412	00009	4.236,00		874.708,50C
30/09/2024	Encerramento Do Exercício	752	00009	874.708,50		0,00C
		Total Dia:		1.425.522,58		
					1.425.522,58	0,00C
31/12/2024	Encerramento Do Exercício	25666	00010		3.365.655,42	3.365.655,42C
31/12/2024	Encerramento Do Exercício	1163	00010	4.556,01		3.361.099,41C
31/12/2024	Encerramento Do Exercício	1201	00010	255,27		3.360.844,14C
31/12/2024	Encerramento Do Exercício	1309	00010	3.482,76		3.357.361,38C
31/12/2024	Encerramento Do Exercício	2208	00010	2.065.960,38		1.291.401,00C
31/12/2024	Encerramento Do Exercício	25968	00010	455.700,00		835.701,00C
31/12/2024	Encerramento Do Exercício	5193	00010	14.452,37		821.248,63C
31/12/2024	Encerramento Do Exercício	26356	00010	474.469,53		346.779,10C
31/12/2024	Encerramento Do Exercício	26412	00010	2.824,00		343.955,10C
31/12/2024	Encerramento Do Exercício	752	00010	343.955,10		0,00C
		Total Dia:		3.365.655,42		
					3.365.655,42	0,00C
				TOTAIS:	6.763.447,61	
					6.763.447,61	0,00C

RECIBO DE ENTREGA DE ESCRITURAÇÃO CONTÁBIL DIGITAL

IDENTIFICAÇÃO DO TITULAR DA ESCRITURAÇÃO

NIRE 32203059197	CNPJ 09.298.794/0001-96	
NOME EMPRESARIAL POWER TEC TECNOLOGIA EM INFORMATICA LTDA		

IDENTIFICAÇÃO DA ESCRITURAÇÃO

FORMA DA ESCRITURAÇÃO CONTÁBIL Livro Diário (Completo - sem escrituração Auxiliar)	PERÍODO DA ESCRITURAÇÃO 01/01/2024 a 31/12/2024
NATUREZA DO LIVRO Escrituração Contábil Digital do Livro Diário Geral	NÚMERO DO LIVRO 1
IDENTIFICAÇÃO DO ARQUIVO (HASH) 34.76.87.E9.81.F0.B5.6C.24.43.CE.38.E5.5E.9B.AE.7C.BF.B2.C7	
ARQUIVOS SUBSTITUÍDOS (HASH)	

ESTE LIVRO FOI ASSINADO COM OS SEGUINTES CERTIFICADOS DIGITAIS:					
QUALIFICAÇÃO DO SIGNATARIO	CPF/CNPJ	NOME	Nº SÉRIE DO CERTIFICADO	VALIDADE	RESPONSÁVEL LEGAL
Signatário da ECD com e-CNPJ ou e-PJ	09298794000196	POWER TEC TECNOLOGIA EM INFORMATICA LTDA:09298794000196	777135803236500012 179631	24/10/2024 a 24/10/2025	Sim
Contador	11361113790	UDINEIA DE ALMEIDA CHAGAS BARBOZA:11361113790	112926961901515311 5188170	15/07/2025 a 15/07/2026	Não

NÚMERO DO RECIBO:
34.76.87.E9.81.F0.B5.6C.24.43.CE.38.
E5.5E.9B.AE.7C.BF.B2.C7-5

Escrituração recebida via Internet
pelo Agente Receptor SERPRO

em 16/07/2025 às 09:14:25

4F.99.04.60.F5.D7.7A.CD
8D.57.FC.00.52.56.55.DA

Considera-se autenticado o livro contábil a que se refere este recibo, dispensando-se a autenticação de que trata o art. 39 da Lei nº 8.934/1994. Este recibo comprova a autenticação.

BASE LEGAL: Decreto nº 1.800/1996, com a alteração do Decreto nº 8.683/2016, e arts. 39, 39-A, 39-B da Lei nº 8.934/1994 com a alteração da Lei Complementar nº 1247/2014.



São Bernardo do Campo, 29 de Julho de 2025.

Este relatório tem como objetivo apresentar e analisar os principais indicadores de liquidez e solvência da empresa POWER TEC TECNOLOGIA EM INFORMATICA LTDA, com base nas demonstrações contábeis encerradas em 31/12/2024.

Dados Utilizados

Indicador	Valor (em R\$)
Ativo Circulante	3.712.476,46
Ativo Não Circulante	635.315,21
Ativo Total	4.347.791,67
Passivo Circulante	629.868,27
Passivo Não Circulante	0,00
Passivo Total	4.347.791,67

Indicadores Calculados

- **Liquidez Corrente**

Cálculo - $3.712.476,46 / 629.868,27 = 5,89$

Análise: O índice de liquidez corrente apurado foi de 5,89, o que significa que, para cada R\$1,00 de dívida de curto prazo, a empresa possui R\$5,89 em ativos circulantes disponíveis.

Esse resultado indica que a empresa tem **recursos suficientes para cobrir suas obrigações de curto prazo**, mas com uma margem de segurança muito grande.

Apesar de estar acima de 1, o valor é considerado apertado, sugerindo atenção à gestão do capital de giro, principalmente se parte dos ativos circulantes tiver baixa liquidez (como estoques ou contas a receber com prazos longos).

Recomenda-se acompanhar a evolução desse índice periodicamente e buscar estratégias para aumentar a folga financeira no curto prazo.

- **Liquidez Geral**

Cálculo - $(3.712.476,46 + 635.315,21) / 629.868,27 = 6,90$

Análise: O índice de liquidez geral apurado foi de 6,90, o que significa que, somando os ativos realizáveis de curto e longo prazo, a empresa possui R\$6,90 para cada R\$1,00 de dívida total (curto e longo prazo).

Esse resultado demonstra que a empresa tem **capacidade de honrar suas obrigações totais com os recursos que possui**, o que é considerado financeiramente saudável.

Um índice acima de 1 é positivo e indica uma estrutura de capital equilibrada, com uma margem de segurança razoável. Ainda assim, é importante continuar monitorando a liquidez dos ativos e a evolução das obrigações de longo prazo.

- **Solvência Geral**

Cálculo - $4.347.791,67 / 4.347.791,67 = 1,00$

Análise: O índice de solvência geral da empresa é de 1,00, o que significa que o total de ativos é 1 vez maior que o total de passivos. Em outras palavras, para cada R\$1,00 de dívida (curto e longo prazo), a empresa possui R\$1,00 em ativos.

Esse resultado demonstra uma posição financeira sólida no longo prazo, indicando que a empresa possui um patrimônio suficiente para cobrir todas as suas obrigações.

Uma solvência acima de 1 é considerada positiva, e quanto maior o índice, maior a margem de segurança. Um valor de 1,00 mostra que a empresa tem **baixa dependência de capital de terceiros**, o que favorece sua estabilidade financeira e poder de negociação.

Apesar do bom indicador, é sempre importante acompanhar a qualidade e liquidez dos ativos, para garantir que eles possam ser utilizados, se necessário, para a quitação das dívidas.

Avaliação Financeira Geral

Com base na análise dos principais indicadores de liquidez e solvência da empresa, observa-se um quadro financeiro que exige atenção no curto prazo, mas que apresenta **solidez no longo prazo**.

- **A Liquidez Corrente** ficou em 5,89, indicando que a empresa possui ativos circulantes apenas levemente superiores às suas obrigações de curto prazo. Embora isso signifique que, neste momento, a empresa consegue honrar seus compromissos imediatos, a margem de segurança é pequena, sugerindo a necessidade de um maior controle sobre o capital de giro e uma gestão mais conservadora dos recursos de curto prazo.

- A **Liquidez Geral** de 6,90 mostra que, considerando também os ativos realizáveis a longo prazo, a empresa está financeiramente preparada para cobrir todas as suas obrigações totais. Esse é um sinal positivo de equilíbrio estrutural e capacidade de sustentar suas operações ao longo do tempo.
- A **Solvência Geral** de 1,00 reforça a visão de forte saúde patrimonial, demonstrando que os ativos da empresa são mais do que suficientes para quitar todas as dívidas. Isso indica uma baixa dependência de capital de terceiros e uma boa margem de segurança financeira.

✓ Conclusão

A empresa apresenta **bons indicadores de estabilidade financeira**, com liquidez geral e solvência em níveis confortáveis. A liquidez de curto prazo, embora positiva, ainda requer atenção, principalmente para garantir folga no capital de giro e prevenir eventuais pressões de caixa.

MONICA DOS SANTOS
AZEVEDO:39273435874

Assinado de forma digital por
MONICA DOS SANTOS
AZEVEDO:39273435874
Dados: 2025.07.29 12:23:18
-03'00'

MONICA DOS SANTOS AZEVEDO

CPF: 392.734.358-74

CRC: 305962 SP

MARCELO PEREIRA
GUIMARAES:92776957653

Assinado de forma digital
por MARCELO PEREIRA
GUIMARAES:92776957653
Dados: 2025.07.29 12:31:56
-03'00'

MARCELO PEREIRA GUIMARAES

CPF: 927.769.576-53



Sistema de Cadastramento Unificado de Fornecedores - SICAF

Declaração

Declaramos para os fins exigidos na legislação, conforme documentação registrada no SICAF, que a situação do fornecedor no momento é a seguinte:

Dados do Fornecedor

CNPJ: 09.298.794/0001-96 DUNS®: 89*****21
Razão Social: POWER TEC TECNOLOGIA EM INFORMATICA LTDA
Nome Fantasia: POWER TEC INFORMATICA
Situação do Fornecedor: Credenciado Data de Vencimento do Cadastro: 06/02/2026
Natureza Jurídica: SOCIEDADE EMPRESÁRIA LIMITADA
MEI: Não
Porte da Empresa: Micro Empresa

Ocorrências e Impedimentos

Ocorrência: Consta
Impedimento de Licitar: Nada Consta

Níveis cadastrados:

Automática: a certidão foi obtida através de integração direta com o sistema emissor. Manual: a certidão foi inserida manualmente pelo fornecedor.

I - Credenciamento

II - Habilitação Jurídica

III - Regularidade Fiscal e Trabalhista Federal

Receita Federal e PGFN	Validade:	03/02/2026	Automática
FGTS	Validade:	20/12/2025	Automática
Trabalhista (http://www.tst.jus.br/certidao)	Validade:	07/04/2026	Automática

IV - Regularidade Fiscal Estadual/Distrital e Municipal

Receita Estadual/Distrital	Validade:	01/02/2026
Receita Municipal	Validade:	28/12/2025

VI - Qualificação Econômico-Financeira

Validade: 30/06/2026

Esta declaração é uma simples consulta e não tem efeito legal

Emitido em: 08/12/2025 13:18

CPF: 927.XXX.XXX-53 Nome: MARCELO PEREIRA GUIMARAES

Ass: _____

1 de 1

TERMOS DE ABERTURA E ENCERRAMENTO



Entidade:	POWER TEC TECNOLOGIA EM INFORMATICA LTDA		
Período da Escrituração:	01/01/2024 a 31/12/2024	CNPJ:	09.298.794/0001-96
Número de Ordem do Livro:	1		

TERMO DE ABERTURA

Nome Empresarial	POWER TEC TECNOLOGIA EM INFORMATICA LTDA
NIRE	32203059197
CNPJ	09.298.794/0001-96
Número de Ordem	1
Natureza do Livro	Escrituração Contábil Digital do Livro Diário Geral
Município	Serra
Data do arquivamento dos atos constitutivos	08/05/2024
Data de arquivamento do ato de conversão de sociedade simples em sociedade empresária	
Data de encerramento do exercício social	31/12/2024
Quantidade total de linhas do arquivo digital	3217

TERMO DE ENCERRAMENTO

Nome Empresarial	POWER TEC TECNOLOGIA EM INFORMATICA LTDA
Natureza do Livro	Escrituração Contábil Digital do Livro Diário Geral
Número de ordem	1
Quantidade total de linhas do arquivo digital	3217
Data de início	01/01/2024
Data de término	31/12/2024

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