

PowerEdge

What's driving transformation in your organization?



Edge

Core

Cloud

PowerEdge Servers



Purpose-built

Scale AI, Edge & Performance Anywhere



Intelligent

Accomplish more with Automation & Improve Operational Efficiencies



Cyber Resilient

Accelerate Zero Trust Adoption



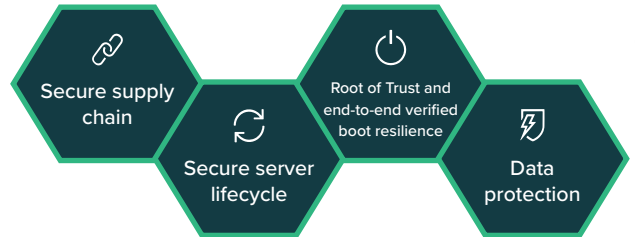
Sustainable

Maximize power efficient performance

Security

- Confidently deploy servers with built in cyber security controls and a protected supply chain.
- Continuous security to protect, detect and recover from threats.
- End to end boot resilience, anchored with Root of Trust, ensures a trusted and protected boot cycle.
- Safeguard sensitive information at all times using strong encryption and new confidential compute technologies.
- Zero trust is integral to the Dell Technologies infrastructure end to end lifecycle.

Dell Cyber Resilient Architecture



Cyber Resilient Architecture builds on Dell's security legacy with enhanced capabilities that effectively protect your infrastructure, reliably detect threats and rapidly recover from cyberattacks.

Dell PowerEdge servers take cyber resilience to the next level, serving as the bedrock for organizations to secure invaluable data and their critical infrastructure.



Operations

Automate the provisioning & delivery of IT resources

Operations & optimization



Workloads

Optimize workloads using modern infrastructure

Business innovation



Edge

Find your edge & achieve success at any scale, anywhere

Unlocking new value



AI

Accelerate intelligent outcomes everywhere

Unleash your advantage

PowerEdge

PowerEdge Management Portfolio

iDRAC

- Embedded, remote, function rich, agent free management.
- Monitor > 180 server metrics.

OpenManageEnterprise (OME)

- Server Life Cycle Management
- Manage Up to 8,000 devices
- Easy server deployment, configuration, firmware updates, and real time health monitoring.

CloudIQ

- AI Ops For Dell infrastructure.
- Cybersecurity policy set and monitoring.
- Automatically report abnormal behavior .
- Visualize > 60 performance metrics .

Enabled Technologies



Next Gen HWRAID (PERC12)

- New gen controller with 2X better performance over PERC11 and 4X better than PERC10
 - Supports all drive interfaces: SAS4, SATA & NVME
 - x16 connectivity to devices to take full advantage of PCIe Gen5 throughput



System Cooling & Efficiency

- PowerManager & Smart Cooling
- High Power Optimized Airflow chassis design to maximize air cooling capabilities
 - Support for XCC/HBM in air cooled chassis
- Optional CPU direct liquid cooling (DLC) solutions



BOSS-N1

- Segregated RAID controller for OS with secure UEFI boot that is rear facing and hot pluggable
 - Enterprise class 2 x M.2 NVMe devices with strong endurance and high quality that provide increased performance over BOSS S1 with SATA drives



Data Processing Unit (DPU)

- SmartNIC with hardware accelerated networking and storage that enables customers to save CPU cycles
 - Improved security, running workloads and security software on different CPUs ("air gap")
 - Offload hypervisor, networking stack, and storage stack to the DPU making them OS independent



System Management

- Seamless integration of new 16G servers into your existing processes and tool set
- Complete iDRAC9 support for all components
 - PERC12, BOSS N-1, PCIe Gen5 devices, UEFI Secure Boot, Smart Cooling, DPU's, and more



Security

- TLS 1.3 with FIPS certification, SEKM 2.0 with support for NVMe drives and VxRail
- End to end threat management with Zero Trust approach
 - Silicon based platform root of trust, multi factor authentication (MFA), inventory and platform component tracking during delivery, tamper protection during shipping

