Pillar one: Protection

Transforming security with confidence starts with protecting your data. Dell delivers intrinsic security features and a holistic presence across the ecosystem that help organizations prevent cyber threats across any cloud, any workload, anywhere data lives.

Intrinsic security

Dell starts with devices and processes designed for security as a baseline. **Intrinsic security** also automates foundational security elements, reducing or even eliminating the need for human involvement and intervention.

As a global leader in IT technology for decades, Dell has had many years to drive intelligent innovation for security deep into our product designs and processes. Organizations across the globe utilize our hardened devices and processes for an advantage.

Dell Trusted Workspace

Secure anywhere-work with hardware and software defenses built for today's cloud-based world. Today's security challenges include managing an evolving threat landscape with a modern work environment in mind. Cybercriminals are using increasingly sophisticated attacks to target multiple vulnerabilities. Reduce the attack surface and improve long-term cyber resilience with a comprehensive portfolio of endpoint protections exclusive to Dell. Our highly coordinated, defense-based approach offsets threats by combining built-in protections with ongoing vigilance.

Advanced threat protection via intelligent software
Prevent, detect and respond to threats wherever they occur in an increasingly hybrid work environment. Dell seeks out industry-leading software partners to provide customers with flexibility and choice for their ever-expanding security needs. *Our software protections are available for Dell and non-Dell devices alike.*

Secure devices featuring innovative hardware and firmware Ensure PCs are safe from first boot with "built-with" supply chain security. Prevent and detect foundational attacks with "built-in" hardware and firmware security. These protections help make Dell Trusted Devices the industry's most secure commercial PCs* .

Based on Dell internal analysis, Sept. 2022.

Dell Trusted Infrastructure

A trusted infrastructure operates everywhere with maximum flexibility and business agility without compromising security. It's modern, resilient and flexible, supporting a Zero Trust approach or however you choose to secure and preserve your organization's most vital digital assets. Whether it's hardware or software, Dell Trusted Infrastructure is a family of secure IT solutions and services designed and built to provide confidence, control and scale.

Dell Trusted Infrastructure helps your organization combat cyber threats to your critical applications and data by embedding security features consistently across our enterprise-wide line of storage, servers, hyperconverged, networking and data protection solutions.

Dell offers advanced capabilities to effectively identify authorized users, and protect, detect, respond to and recover from cyber threats – all from a single provider – whether at the edge, on-premises or across multiple cloud providers.

You can enable your organization to confidently scale in the face of increasing complexity with automation and orchestration that complement our intrinsic hardware and firmware-based security features. Dell Trusted Infrastructure is the modern, resilient and flexible technology foundation your organization needs for its Zero Trust architecture or your security transformation journey.

Extending security across your full IT infrastructure

Multicloud data protection

helps you protect and secure any workload with cloud marketplace offerings that are easy to deploy and easy to manage. And we give you the flexibility to choose from any consumption model – from cloud-integrated hardware to software-defined appliances to as-a-Service solutions. So you can meet business needs in real-time, spend less time on infrastructure and more time on innovation and have the peace of mind that your data is always protected and secure.

PowerProtect Appliances

are your one stop for proven and modern data protection. Keep up with relentless data growth, secure mission critical apps and meet the needs of emerging workloads wherever they are located. PowerProtect simplifies data protection operations and reduces risk, enabling you to meet SLAs while lowering costs with integrated and target systems offering cloud, VMware and cyber recovery capabilities. PowerProtect appliances provide immutability to preserve data integrity and confidentiality within layers of security and controls for data stored in production and in an isolated cyber vault.

Servers

Our **Dell PowerEdge servers** are designed and built with a multi-layered cyber-resilient architecture to help secure a server throughout its lifecycle. The architecture includes:

• Immutable, silicon-based Root of Trust. A cryptographic read-only key is embedded into product silicon during production to prevent tampering with the BIOS and iDRAC firmware.

• Signed firmware, drift detection, and live BIOS scanning and recovery. Built-in data and system protection, reliable detection and monitoring and solutions for rapid recovery should an issue arise. Customers who purchase a PowerEdge server are not only investing in a powerful server but also in a comprehensive, security-oriented feature set intrinsic to the product.

Storage

The operating system code in Dell's storage arrays and storage appliances has been hardened to help ensure that all sensitive data remains secure.

These platforms include features such as *multi-factor authentication, role-based access controls, data at rest or in-flight encryption, and anomaly detection among others*.

For **key management**, we offer in-house solutions, like CloudLink, to integrate with a customer's existing key management and the flexibility to use a local key management store.

APEX Data Storage Services

Dell protects internal Dell infrastructure as well as any hosted systems that customers use to interact with our products and offers, including Dell-managed APEX Data Storage Services and Dell-managed colocation deployment.

• **Dell APEX Data Storage Services** safeguard your company with Data at Rest Encryption (D@RE) via self-encrypting drives, role-based access control, authentication using LDAP/AD, access zones, and more.

Dell has a proven track record when it comes to protecting your data. Dell Trusted Infrastructure and Dell Trusted Workspace solutions are designed to protect critical systems, applications and data while reducing systemic risk. Our portfolio of managed cybersecurity services provides around the clock monitoring and proactive detection of emerging threats. We have a global network of security experts to help you thwart attacks across endpoints, infrastructure, and cloud.
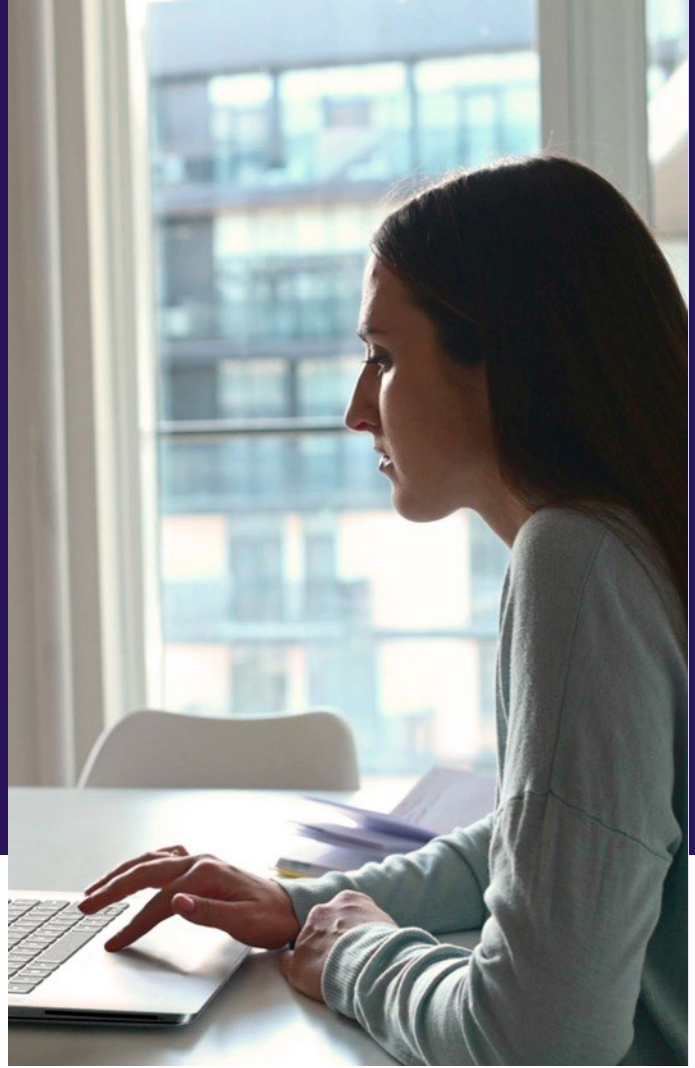
"We turned to Dell Technologies as a trusted partner to help us meet and exceed the pace of changing network security environments. This partnership helps us prioritize security and build trust with our patients."

Thawatchai Sereewattanapong
General Manager, Digital Efficiency, N Health