# PowerScale Cybersecurity Suite

## Essentials

- Create an impenetrable barrier with our operational **air-gapped cyber vault**

- Protect systems with advanced **virus and firewall protections**

- **Encrypt data end-to-end,** both in transit and at rest

- Detect threats in **real time**

- **Retain and archive data** for the long term

- Lock snapshots to **prevent deletion**

- **Integrate with third-party** cybersecurity applications

- **Access historical and real-time file information**

- Verify user identity with **multifactor authentication** and role-based permissions

- **Automate alerting** for potential threats

## Cyber attacks are on the rise

In today's digital world, data is a valuable commodity that is under constant attack. Furthermore, the frequency of cyberattacks is increasing. Unstructured storage requires specialized defenses to protect file and object data.



| 59% | 70% | 5x |
|-----|-----|-----|
| Of orgs experienced an attempted ransomware attack[1] | Of attacks result in data encryption[1] | Increase in ransom bills in the last 12 months[1] |

## IT departments need an end-to-end cybersecurity solution for unstructured data

Immutable backups mitigate encryption attacks, but do not protect against data theft attacks. IT administrators need more than a point solution for unstructured data cybersecurity. Introducing PowerScale Cybersecurity Suite. Dell's Cybersecurity Suite provides comprehensive cybersecurity and data management solutions, delivering data protection, accessibility, and real-time recoverability for your critical data, even in the face of sophisticated cyber threats.

The PowerScale Cybersecurity Suite consists of three individual software components: the Cybersecurity bundle, Airgap Vault, and Disaster Recovery software. When paired with Dell PowerScale storage, the benefits of this suite are amplified, creating a better together solution. PowerScale and its OneFS operating system provide a secure foundation for file storage, setting a benchmark in enterprise-grade security. PowerScale earned the Department of Defense (DoD) Approved Product List (APL) certification, achieved through rigorous cyber testing conducted by the U.S. government. This certification underscores the robust security capabilities inherently built into PowerScale.

By combining Dell PowerScale with the new Cybersecurity Suite, IT departments gain access to unique cybersecurity defenses that are both innovative and proven. This pairing delivers exceptional protection for unstructured data and equips organizations to protect, detect, and respond to threats in real time.

[1]*Sophos State of Ransomware 2024*
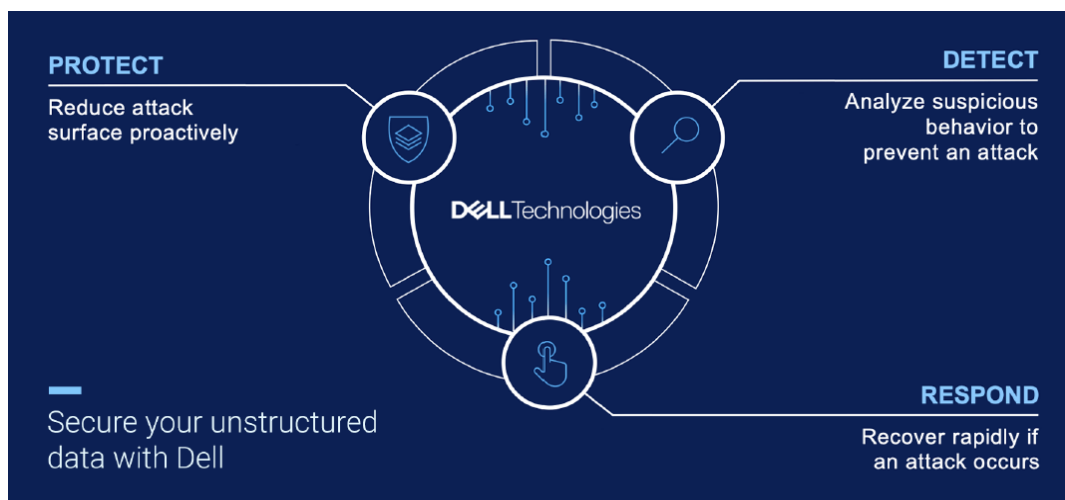
## Protect

Take steps to safeguard unstructured data before an attack occurs. Begin by deploying Dell PowerScale storage, which provides a secure and scalable foundation for your environment. Next, enhance your defenses by installing the new PowerScale Cybersecurity software to protect your storage environment against threats. To add another layer of protection, deploy a vault solution consisting of PowerScale storage managed by Dell's innovative Airgap Vault software. This Airgap Vault software works seamlessly with the Cybersecurity software, ensuring that data transfers from production storage to the vault occur only when the environment is secure and not under attack. These advanced measures can significantly strengthen your cybersecurity posture and help protect critical data assets.

## Detect

Detect and respond to cyberattacks in real time. Dell's PowerScale Cybersecurity software communicates seamlessly with endpoint protection systems through a zero trust API, enhancing threat detection and response workflows. During an attack, the PowerScale Cybersecurity software can take decisive action to mitigate damage, such as locking users attempting to modify or encrypt large numbers of files or blocking users trying to delete numerous files in a short timeframe. Additionally, the PowerScale Cybersecurity software provides a critical safeguard by working with the PowerScale smart Airgap software to automatically halt data transfers to the operational airgap vault. Furthermore, the PowerScale Cybersecurity software shares threat intelligence with an ecosystem of partners, leveraging collective knowledge to strengthen defenses. These advanced capabilities empower IT departments to detect and neutralize attacks in real time, minimizing operational impact and protecting unstructured data assets.

## Respond

Respond swiftly and effectively to cyberattacks. The PowerScale Cybersecurity software provides advanced auditing capabilities to identify compromised infrastructure components, affected users, and impacted data, enabling faster recovery operations. If an attack is successful, the PowerScale Cybersecurity software works in tandem with the PowerScale Airgap Vault to restore petabytes of data from a secure cyber vault in hours, not days or weeks. Additionally, the PowerScale Cybersecurity software integrates with partners to automate incident response and streamline the recovery process. For added assurance, Dell's cybersecurity experts are available to assist with data recovery when needed, empowering IT departments to mitigate threats and regain control quickly.

## Secure unstructured data

Cybersecurity attacks are prevalent. IT departments require robust defenses, and the PowerScale Cybersecurity Suite delivers a comprehensive multi-layered approach to protect, detect, and respond to cyber threats. Furthermore, Dell has decades of experience and leadership developing optimal unstructured data storage solutions and leverages this experience to provide best practices for IT departments across all industries. Talk to a Dell representative to learn more.

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