

# Unstructured Data Solutions Cyber Protection Suite

## Essentials

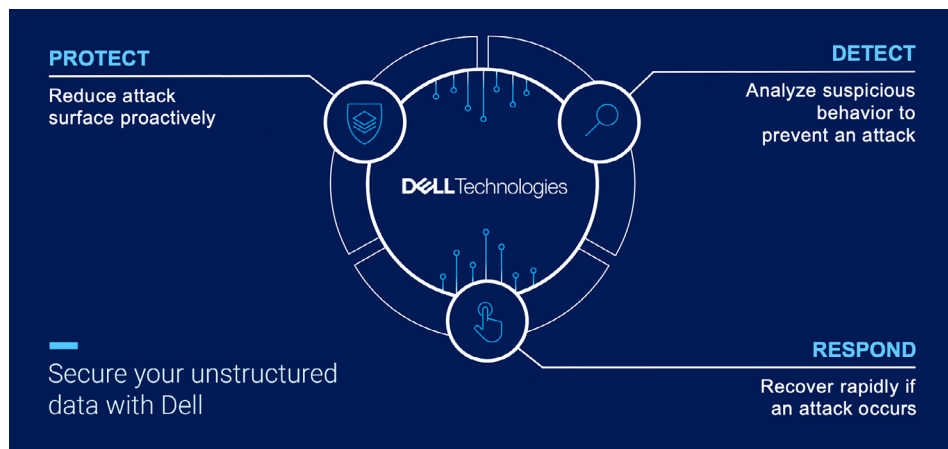
- Create an impenetrable barrier with our **air-gapped cyber vault**
- Advanced **virus and firewall protections**
- **End-to-end encryption** in-transit and at rest
- Real-time **threat detection**
- Long-term **data retention and archiving**
- Lockable snapshots to **prevent deletion**
- **Third-party cybersecurity application integration**
- **Historical and real-time file access information**
- Verify user identity using **multifactor authentication** and role-based user permissions
- **Automatic alerting**

## 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. According to a recent study, surveyed IT departments observed a 107% increase in YoY ransomware and extortion attacks<sup>1</sup>. Unstructured storage requires specialized defenses to protect file and object data.

## 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. Dell PowerScale is the world’s most secure scale-out NAS solution and enables IT departments to easily store, protect, and manage file data. PowerScale, in addition to the latest OneFS software, received the U.S. Department of Defense Approved Product List certification, a testament to the security capabilities integrated into the solution. In addition, the Dell Unstructured Data Cybersecurity Solution integrates software with automated cybersecurity defenses allowing IT departments to protect, detect, and respond to threats in real time.



[1] Accenture Cyber Investigations, Forensics & Incident Response Engagement 2021: [Ransomware reorientated](#)

## Survey of senior IT professionals<sup>4</sup>

**36%**

attacked at least on a monthly basis

**48%**

attacked successfully at least once

**64%**

said their organization paid a ransom

[2] Based on Dell analysis comparing cybersecurity software capabilities offered for Dell PowerScale vs. competitive products, September 2022

[3] Based on Dell analysis comparing cybersecurity software capabilities offered for Dell ECS vs. competitive products, September 2022

[4] ESG Research Report: 2022 Technology Spending Intentions Survey



## Protect

Protect unstructured data before an attack occurs. Dell offers a comprehensive portfolio of products and services to assist IT departments to secure their environment. First, Dell offers advisory services to assess the current security state of an environment. Then, IT departments can secure their foundational storage by using PowerScale, the world's most secure scale-out NAS<sup>2</sup>, or ECS, the world's most cyber-secure object storage<sup>3</sup>. In addition, deploying a cyber vault enables secure storage for critical data. Although no solution can prevent all cyberattacks, advanced planning can help protect critical data.

## Detect

Detect attacks in real time. The Dell Unstructured Data Cybersecurity solution includes advanced software to detect and mitigate cyberattacks as they occur. The solution analyzes and detects suspicious activity and suspicious access patterns, using artificial intelligence and machine learning to identify attempted attacks. In addition, the software communicates threat intelligence to and from an ecosystem of partners to utilize all available defenses. These capabilities enable IT departments to detect attacks in real time.

## Respond

Respond rapidly in the event of a cyberattack. Dell offers unique advantages to mitigate attacks. The solution can automatically block compromised accounts and disrupt data theft attacks in real time. If an attack is successful, IT departments have the ability to restore petabytes of data from a cyber vault in hours, not days or weeks. In addition, Dell's cybersecurity experts are available to assist with data recovery if needed. Dell enables IT department to streamline the recovery process to respond to a cyberattack.

## Secure unstructured data

Cybersecurity attacks are prevalent. IT departments require robust defenses, and the Dell Unstructured Data Cybersecurity solution 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.

Take the [Cyber Resiliency Assessment](#) to better understand your current security posture.



Learn more: [Demo Center, PowerScale, ECS and ObjectScale](#)



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