

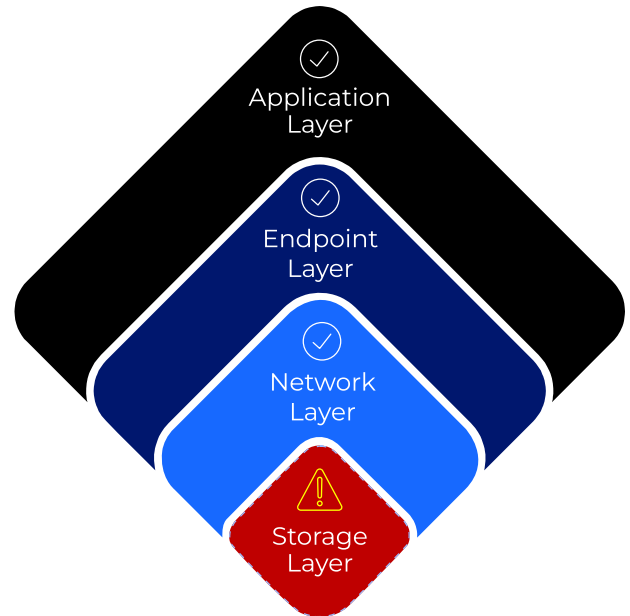
Data Security Essentials for Pure Unstructured Data Platforms - FlashBlade/FlashArray



Protect your data at its source

Cyber attacks continue and are accelerating, with attackers targeting companies data.

- Traditional approaches to data protection and cybersecurity have proven inadequate in detecting or stopping ransomware attacks. These solutions typically focus on the network and application layers, but not the data layer.
- Even organizations with extensive security and data management approaches in place have suffered permanent data loss and costly disruption, often resulting in severely damaged reputations.
- In 2024, the average cost of a ransomware attack was \$4.54M ([IBM](#)).



The Solution

Securing the perimeter is no longer enough. Your data needs to be protected at its source.

Coined Cyberstorage by Gartner, Cyberstorage protection not only makes good business sense, but is essential for a robust cyber resilience strategy.

Cyber threats evolve faster than traditional defenses. **Superna Data Security Essentials**, integrated with **Pure Storage FlashBlade/FlashArray**, provides **automated, real-time threat detection and response** at the data layer. This lightweight, fast-to-deploy solution protects your most valuable data from ransomware and insider threats—without adding complexity.

Why Cyberstorage?

[Gartner Innovation Insight Report: Cyberstorage](#)

"Prioritize active protection and security of unstructured and structured data storage systems because limiting or blocking an attack is more effective than recovering from one."

Data Security Essentials Highlights

- **Prevention is the new recovery:** Stop threats before they impact business operations.
- **Cyberstorage security at the data layer:** Protect your data where traditional security fails.
- **Security Integrations:** Into SIEM and SOAR infrastructures.
- **Instant protection, no complexity:** Lightweight install, no new infrastructure required.

Detect and Respond

Prevention

Real-Time Ransomware & Insider Threat Detection

- Monitors FlashBlade/FlashArray file systems & syslogs for suspicious behavior.
- Detects known ransomware extensions & abnormal access patterns.
- Triggers automated alerts & response actions for immediate intervention.

Data Policies

- Policy-based security enforcement to protect against mass deletions.
- Custom activity pattern detection to identify and stop threats faster.

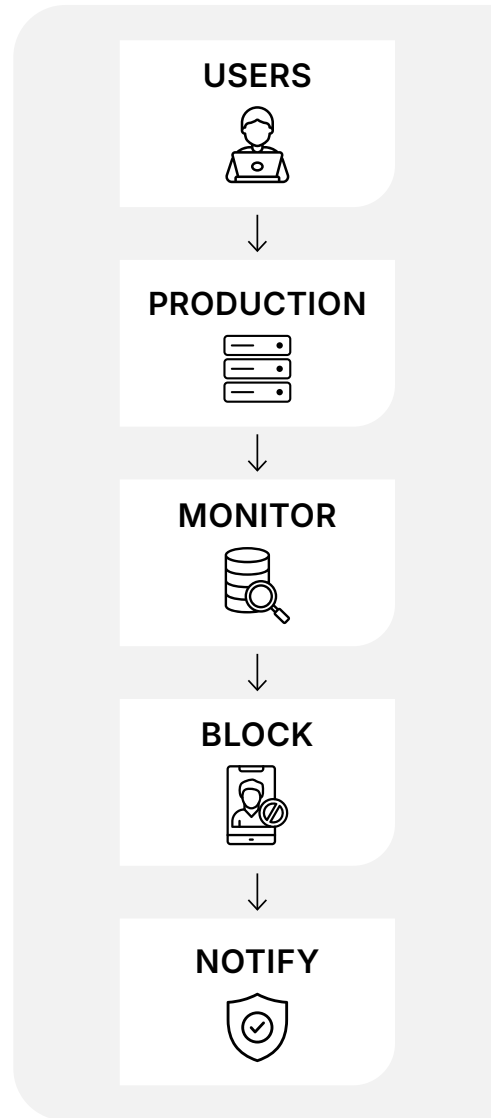
Response

Automated Threat Containment

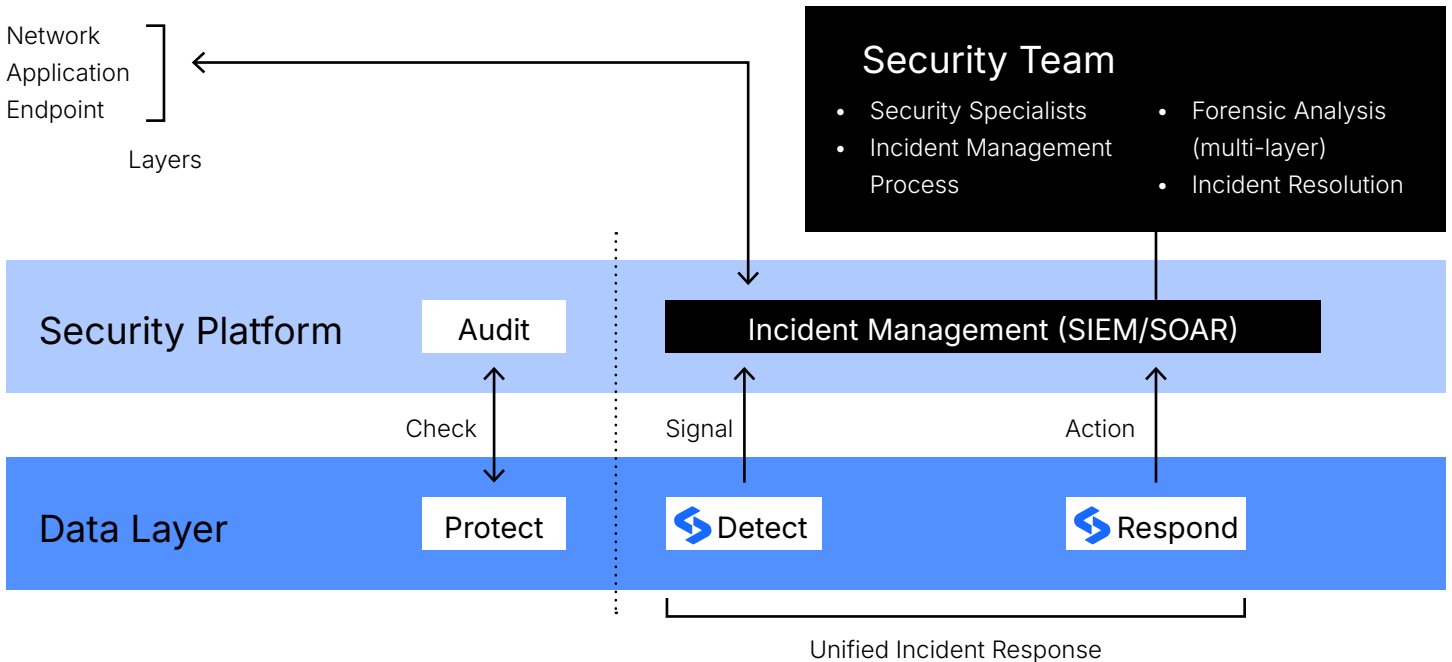
- Instantly locks compromised accounts upon detecting malicious activity.
- Blocks access to critical file shares & enforces security policies automatically.

Security Integrations

- Seamlessly integrates with SIEM, SOAR, and security dashboards.
- Sends real-time alerts & security data for proactive incident management.



Integrated Security Architecture



Why Pure Storage + Superna Data Security Essentials?

1. Proactive Threat Detection at the Data Layer

- **Real-time monitoring** of file system activity for ransomware and unauthorized access.
- **Automated alerts & response actions** to stop threats before data is compromised.

2. Lightweight & Fast Deployment

- **No additional hardware needed**—installs directly into existing environments.
- **Low-impact security overlay** that integrates seamlessly with Pure FlashBlade/FlashArray.

3. Automated Response Actions

- **Instant user lockout** to contain attacks before data loss spreads.
- **Security tool integrations** with SIEM, SOAR, and IT operations platforms.
- **Custom response actions:**
 - Block access to compromised shares
 - Disable Active Directory accounts
 - Log off affected users

4. Security-First Compliance Support

- **Policy-based security enforcement** against mass deletions and unauthorized actions.
- **Detailed forensic auditing** for regulatory and security investigations.



Gartner Innovation Insight Report

Cyberstorage Traditional security layers alone aren't enough to combat modern cyberattacks. Cyberstorage adds a crucial storage-level defense to mitigate ransomware and minimize data loss.

[Download the Gartner Cyberstorage Report](#) to discover how organizations are leveraging this breakthrough technology to stay ahead of evolving threats.

Get Started with Superna



Schedule a Demo |  **Speak with an Expert**