

# Data Security Essentials

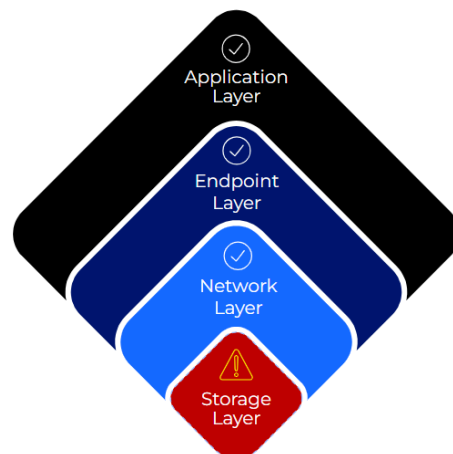
## Cyberstorage for PowerStore

### The Solution

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

PowerStore's unified architecture supports both native NAS and Windows file servers (physical or virtual), giving flexibility but also increasing data sprawl and access complexity. That's why Superna's solution is designed to **protect file data wherever it resides, from PowerStore NAS to Windows servers**.

In this evolving landscape, securing the perimeter is no longer enough. With sensitive data distributed across multiple platforms, protecting it at the source becomes critical. This is where Gartner's concept of **Cyberstorage** comes in — it's vital for cyber resilience.



Superna is highly regarded and recognized as a key player and innovator in cyberstorage by **Gartner**. We've spent over a decade focused on one thing: securing data where it lives. Before "cyberstorage" was even a category, Superna was building the platform that now leads it.

### Data Security Essentials Highlights

→ **Flexibility to support NAS and Windows file server workloads on PowerStore:** Whether your file data is on PowerStore NAS, Windows file servers, or both - Superna secures it all with unified, real-time threat protection.

→ **Act early and automate your incident response:** Stop threats before they impact business operations. Block user access and automated playbooks isolate hosts using deep integration with third party security tools.

→ **Instant protection, no complexity:** Lightweight install, no new infrastructure required. Limits complexity.

→ **Cost-effective solution.** Superna delivers comprehensive storage security, file control, and other storage-related features - all without the high price tag.

→ **Security Integrations:** Integrate with SIEM and IT ops tools to feed Superna data into your central dashboards and alerts.

→ **Integration with PowerStore CEE** - Built-in support for the CEE framework on Dell PowerStore and Unity.

→ **End-to-end protection** for Windows OS hosts, PowerStore, and Unity.

**USERS****PRODUCTION****MONITOR****BLOCK****NOTIFY**

## Detect

- Monitor all file activity in **real time** to detect and respond instantly to potential threats.
- Detect known ransomware extensions and abnormal patterns fast.
- Stop mass deletions with policy-based protection.
- Set custom rules to catch threats early.
- Protect your shares and/or application servers.

## Respond

- **Block Dangerous Files:** Stop creation or access of unwanted file types like ransomware payloads. Delete or quarantine by extension.
- **User Lockout:** Access to shares, disable AD accounts, log off the user.
- **Stay Alert:** Send real-time alerts. Feed security data into your SIEM and IT ops tools.
- **Investigate Quickly:** Track user behavior over time. Pinpoint what was hit and when. Speed up incident response.
- **Reinfection Protection:** Hunt down files with known ransomware extensions to simplify cleanup. Quarantine or delete any suspicious files, and ensure your system is protected against reinfection from remnants left on the file system.
- **Denial of Service (DoS) Protection:** Quota management prevents any user or process from filling up storage, stopping attackers from taking down your device with a flood of files.
- **Data Governance and Compliance:** Superna provides detailed auditing and reporting to track every file access and change, supporting regulatory compliance and internal policies.



## Manage Storage Smarter

- **Aged Data Deletion:** Clear out files past retention timelines.
- **File Cleanup:** Remove orphaned temp files left behind by crashed apps or obsolete.
- **Quota Controls:** Define soft and hard quotas policies and define thresholds to enforce user action. Quotas size can be configured by size, percentage of data volume or relative to another policy.
- **Find Misplaced Data:** Follow the trail when files get moved. Help users recover what they lost.

## Get Started with Superna



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