PURESTORAGE®

superna®

Closing the Data Security Gap with Pure Storage and Superna

Orchestrate, manage, and secure your unstructured data

In today's digital enterprises, unstructured data is increasingly targeted by sophisticated ransomware attacks. As centralized file storage grows, so does its vulnerability. Superna, integrated with Pure Storage®, FlashArray™ and FlashBlade®, provides a powerful security framework to protect, manage, and recover both structured and unstructured data. This joint solution enables advanced threat detection, seamless recovery, and operational resilience—empowering organizations to secure explosive data growth while minimizing risk and disruption.

Solution Overview

Cyber threats are evolving, and organizations must stay ahead with proactive and adaptive security solutions. Superna's advanced offerings empower enterprises to detect threats in real time and automate responses, defending against current risks while anticipating future vulnerabilities. Integrating Superna's data security capabilities with solutions creates a comprehensive, scalable, and high-performance data protection strategy that enhances operational efficiency across various workloads.

This integration supports detailed SMB data auditing, offering real-time visibility into file operations—tracking user activities such as access, modifications, deletions, and permission changes. Combining these capabilities with Superna Data Security Essentials not only secures information but also provides an intelligent framework for advanced threat detection, automated response, and overall data protection. This unified approach strengthens business continuity, optimizes data management, and fortifies defenses against ransomware and evolving cyber threats.

Ransomware Defense and Threat Detection

Gain advanced visibility into storage infrastructure with automated remediation.

Proactive Mitigation

Real-time user activity tracking to detect unauthorized access and insider threats.

Accelerate Cyber Resilience

Identify threats before they detonate to reduce the risk of destructive events.

Key Capabilities

Together, Superna and solutions like FlashArray™ and FlashBlade® deliver a secure, high-performance, and scalable data protection strategy that enables enterprises to combat cyber threats while ensuring business continuity. Its integration enhances these capabilities by delivering:

- **Automated threat response:** When suspicious activity thresholds are met, the user account is immediately blocked, logged out, and disabled via Active Directory (AD) for immediate protection against potential threats.

- **Seamless security integration**: enhances its audit capabilities by enabling real-time, detailed logging of file operations, such as access, modifications, and deletions via syslog.

- **Real-time alerts and security integration:** Security notifications are seamlessly sent to Windows Event Logs and email, enabling rapid detection and response across integrated security platforms.

- **Granular auditing and custom triggers:** Advanced monitoring and auditing provides full visibility and helps detect and flag suspicious activities.

Proactive Ransomware Defense with Automated User Response

Superna Data Security Essentials simplifies policy configuration to safeguard specific directories from ransomware. When known ransomware extensions or suspicious activity are detected, the system can automatically block the user by denying shared access, disabling their Active Directory account, or logging them off their workstation. Simultaneously, it triggers an alert to facilitate immediate investigation and guide further response actions.
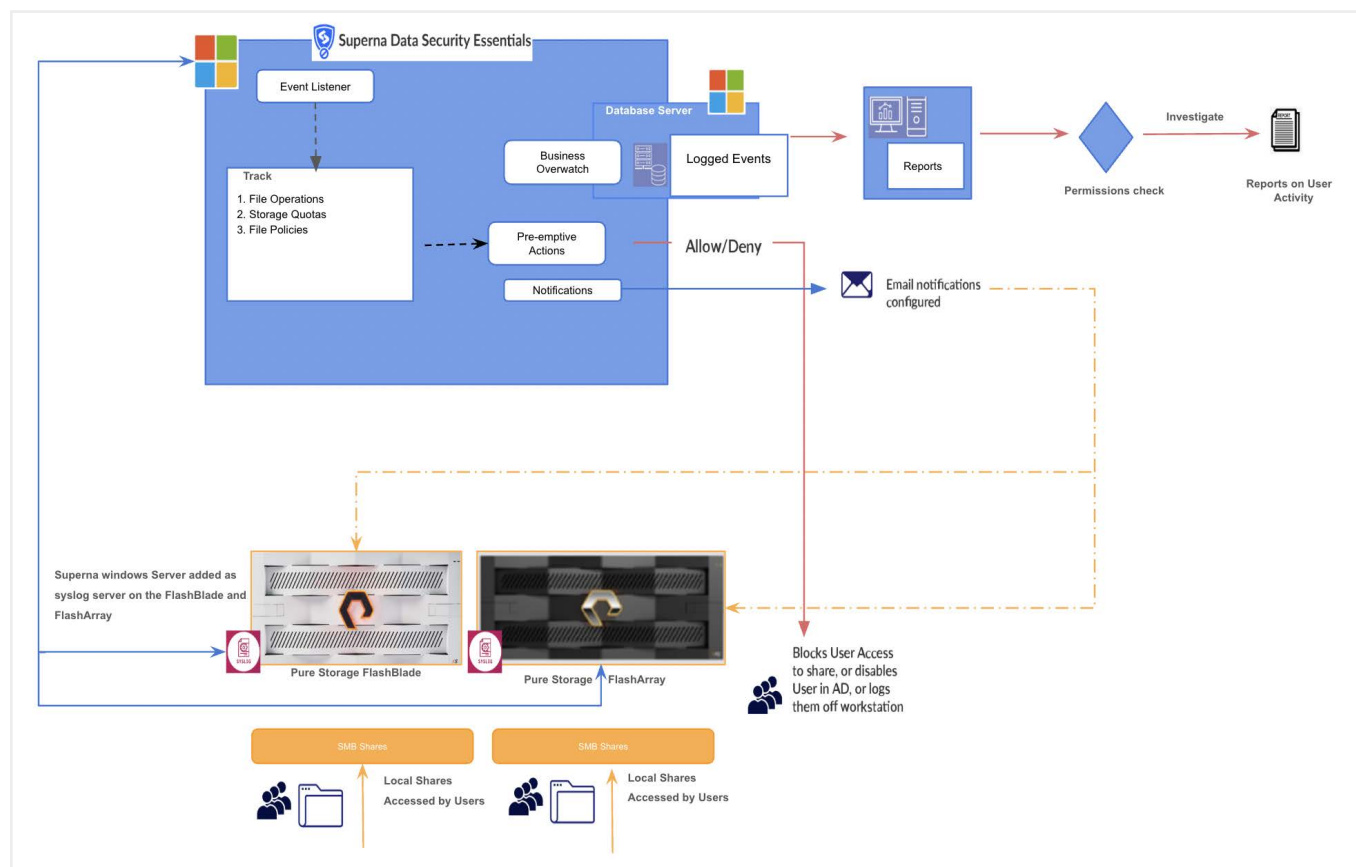
FIGURE 1   Superna Data Security Essentials integration with Pure Storage® FlashArray™ and FlashBlade®.

Solution Components

FlashBlade

FlashBlade is a high-performance family of all-flash storage designed for modern, data-driven enterprises worldwide. It delivers exceptional speed, scalability, and simplicity for both file and object workloads, empowering organizations to accelerate analytics, DevOps, and digital transformation. With its innovative architecture, seamless integration, and robust reliability, FlashBlade® optimizes resource utilization while driving efficiency and agility. This cutting-edge platform redefines storage performance, positioning enterprises to meet evolving demands and remain competitive in an ever-changing market seamlessly.

FlashArray

FlashArray is a family of scale-up, unified block and file storage systems that provide all the benefits of all-flash storage for any use case. IT environments have become increasingly complex with multiple vendors and products, resulting in unnecessary operational overhead,hidden risk, and financial strain. FlashArray™ is the only storage solution that can support all your workloads on modern technology without having to compromise on performance, price, security, and functionality. It continues to evolve to meet changing and unpredictable needs without the pain that comes with the refresh cycle.

Superna's Data Security Essentials

Superna's Data Security Essentials provides a unified data protection solution that detects ransomware-associated file extensions and suspicious user behavior. It allows you to intervene immediately to stop suspicious user activity, and conduct thorough incident investigations and forensic reporting.

It includes a range of features like: quotas to optimize resource allocation, the blocking of dangerous and unwanted file types, comprehensive auditing capabilities for full audit trails, and automated file management policies in support of data governance. Powered by a comprehensive and continually updated database of identified ransomware threats and advanced write-blocking technology, Data Security Essentials provides strong protection against cyberattacks.

Additional Resources

- Learn about comprehensive cyber resilience solutions to help safeguard critical data.

- Learn about Superna.

- Learn about Superna Data Security Essentials Configuration Guide.

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