Bloombase StoreSafe Intelligent Storage Firewall

Delivering Storage Security No Matter Where and How Your Data is Stored

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Solution Overview: Bloombase, an intelligent storage firewall company specializing in post-quantum cryptography (PQC) encryption for data-at-rest, leveraged Intel® technologies to create StoreSafe Intelligent Storage Firewall. Using AI, the Bloombase StoreSafe Intelligent Storage Firewall proactively identifies sophisticated attacks on the storage network layer and automatically stops threats in real time, providing actionable countermeasures and remediation to keep you ahead of exfiltration vulnerabilities and prevent breach. Leveraging advanced purpose-built machine learning capabilities, Bloombase StoreSafe provides accurate detection, classification, and automated protection of sensitive data for prioritized protection of crown-jewels to help ensure compliance without needing manual intervention. Without needing to modify client software applications or retrofit storage systems with encryption hardware, Bloombase StoreSafe operates similar to a storage proxy to deliver OS-agnostic, platform-portable, PQC encryption services via standards-based storage protocols for heterogeneous storage technologies and next-gen datacenter infrastructures, helping customers mitigate data leakage threats and granting them peace of mind.

Business Outcomes

Safeguard data in real-time, protecting databases, file services, data lakes and data warehouses with high-bandwidth, low-latency storage encryption.

Enable effortless integration with enterprise storage systems and cloud storage services ensuring fast and persistent protection for stored data.

Maximize compute resources with Intel® Advanced Encryption Standard Instructions that help accelerate cryptographic workload and save CPU resources for business-critical applications.

Key Features

- Application-transparent PQC encryption and decryption
- Works for on-premises, HCI, CDI, hybrid cloud and hyperscalers
- AI/ML-accelerated stored data protection
- NIST FIPS 140-2 certified cryptographic module

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