NetApp

AI-POWERED RANSOMWARE DETECTION FOR BLOCK STORAGE

THE PROBLEM

Ransomware is a digital plague, and it's getting nastier. The Sophos State of Ransomware 2024 report pegs 66% of organizations as victims last year, with block environments increasingly targeted.

Did you know:

- By 2031, a ransomware attack will occur every 2 seconds.
- In 2025, 44% of breaches have been caused by ransomware.
- The frequency of ransomware attacks is up by 149% in 2025 over 2024.
- 86% of ransomware attacks caused total business disruption with operational downtime.

THE SOLUTION

NetApp® Autonomous Ransomware Protection powered by AI (ARP/AI), built into ONTAP® block storage, is redefining how to protect your data at the storage layer, going beyond the traditional "backups are enough" mindset. This isn't some clunky third-party patch slapped onto backups—it's a proprietary, AI-driven fortress embedded in primary storage, catching threats before they sink their claws too deep.

NetApp's ARP/AI for block doesn't wait. It's a protector at the storage layer, sniffing out trouble in real time for primary storage across your block workloads.

Top three reasons

1 Automated ransomware protection that's built in–not bolted on.

2 Advanced data security that's designed specifically for block workloads.

3 The most secure storage on the planet, no matter where your data is stored.

NetApp's built-in resilience means that your data isn't just protected-it's untouchable. Don't wait for the flames to spread; fortify your storage layer and fight back where it matters most.

Built-in security capabilities

NetApp's AI-powered ransomware protection isn't an afterthought; it's the backbone of ONTAP, delivering a suite of advantages that third-party backup scanners can't touch.

- Integrated remote backup/disaster recovery
- Tamper-proof NetApp Snapshot™ copies
- Multi-admin verification
- Multi-factor admin access
- Regulatory-compliant data retention

- In-flight and at-rest encryption
- Inline data compression, deduplication, and compaction
- Symmetric active-active multipathing
- FC, iSCSI, NVMe/FC, NVMe/TCP

Additional resources

NetApp Autonomous Ransomware Protection (ARP/AI) ›

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