

# BrickStor SP: Secure Cyberstorage for File & Object Data

BrickStor SP is RackTop's high-performance file and object NAS platform built to protect unstructured data from ransomware, insider threats, data theft, and malicious destruction. Powered by patented Active Defense and Cyber Vaulting technologies, it combines enterprise file storage with integrated cyber defense, compliance, and rapid recovery capabilities in one platform.

## Why Traditional Storage Falls Short

Traditional storage and backup solutions usually focus on restoring data after an incident. That still leaves a dangerous gap between the first signs of an attack and the point where IT can respond. By then, files may already be encrypted, stolen, or damaged, creating downtime and business disruption. BrickStor SP is designed to close that gap by helping organizations detect suspicious behavior earlier and remediate damaged or missing files from clean snapshots before a cyber event becomes a larger operational problem.

## What Makes BrickStor SP Different

- Built-in security and compliance capabilities at the storage layer rather than added later through separate tools.
- Patented Active Defense and Cyber Vaulting technologies for real-time protection and resilient recovery.
- Policy-based and immutable snapshots that enable much faster file restoration than backup-only approaches in many attack scenarios.
- User activity monitoring, advanced auditing, encryption, key management, and end-to-end data integrity in a single platform.
- Native support for Attribute Based Access Controls (ABAC) for classified and tagged files.
- Support for SMB, NFS, and S3 workflows with flexible deployment across appliance, SAN gateway, virtual, and cloud environments.

## Why Snapshots Are Better Than Backups During an Attack

When speed matters, restoring files from recent snapshots is often the faster and more desirable recovery path. RackTop's patented bulk cyber remediation and recovery feature intelligently selects which files to remove from the live file system and which files and versions to restore to the live file system from the immutable snapshot. Backups remain important for broader recovery and retention for disaster recovery, but snapshot-based restoration is typically the better first response when the goal is to contain damage and return affected users to service quickly.

Faster Response	Lower Impact	Simpler Operations
Restore clean files quickly from recent snapshots.	Contain incidents before they become widespread outages.	Recover directly from storage without depending only on longer backup workflows.

## Why BrickStor SP Over Other NAS Vendors

Most NAS vendors sell performance, capacity, and availability first, then rely on external security and backup layers to fill the gaps. BrickStor SP takes a different approach by embedding cyber resilience directly into the storage platform while meeting and exceeding performance and availability metrics. That gives customers a stronger security posture, better visibility into user activity, and faster restoration options when an incident occurs.

Category	BrickStor SP	Traditional NAS Vendors
Protection model	Integrated cyber defense at the storage layer.	Security often added through separate tools.
Recovery path	Rapid and intelligent restoration from immutable, policy-based snapshots of individual files.	More dependent on backup workflows after the fact or restoring entire snapshots.
Threat response	Designed to detect, contain, and remediate earlier.	Commonly focused on capacity and system uptime not data availability.
Compliance & visibility	Built-in auditing, monitoring, and encryption.	Varies by platform and add-on ecosystem.
Deployment flexibility	The same secure storage features and capabilities are available as a hardware appliance, SAN gateway, VM, or in a cloud instance.	Options vary by vendor, feature and capability differences between deployment options, and varying security models.

## Flexible Deployment Models

- Turnkey appliance for scalable, secure NAS in data center or ruggedized form factors.
- SAN gateway to add modern secure Cyberstorage for file to existing SAN infrastructure.
- Cloud deployment or cloud tiering for hybrid architectures with Transparent Data Movement.
- Virtual storage appliance support for hypervisors and hyperconverged infrastructure.

## Bottom Line

BrickStor SP gives organizations more than file storage. It delivers a modern Cyberstorage platform that combines enterprise NAS performance with patented cyber defense, immutable recovery, compliance support, and flexible deployment options. For teams comparing alternatives, the advantage is clear: protect unstructured data earlier, recover affected files faster, and reduce dependence on backup-only recovery when time is critical.