



ULTRAIOTM STORAGE FOR RACKTOP BRICKSTOR SP

Imagine a revolutionary new storage architecture that combines the power of GPUs and CPUs to deliver a combination of performance, resilience, and efficiency, enabling massive amounts of data to be managed in a highly available storage system. Nyriad® is enabling a new generation of storage solutions that empower businesses to grow, adapt, and stay competitive in a data-driven world. We are simplifying how data is stored, accessed, and managed.

PERFORMANCE - RESILIENCE - EFFICIENCY

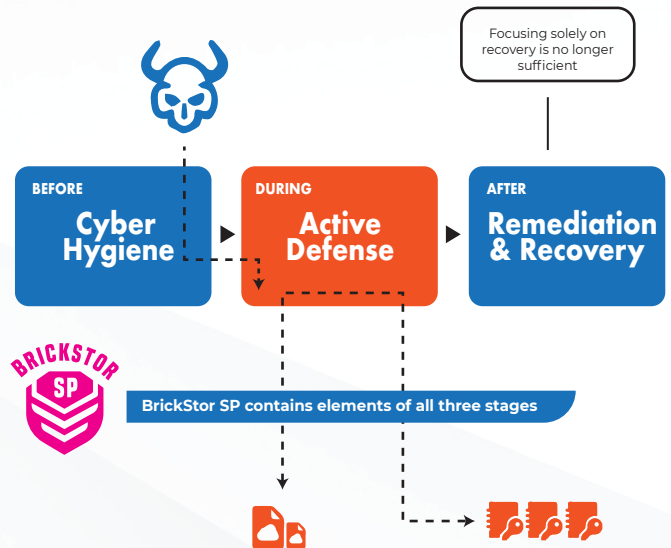
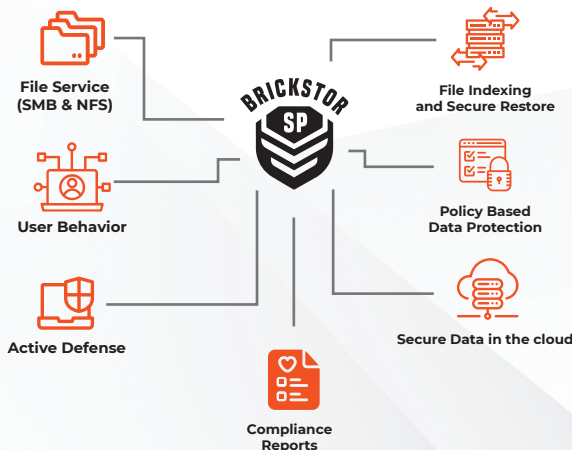
REIMAGINE YOUR FILE STORAGE WITH RACKTOP BRICKSTOR SP

AND NYRIAD'S ULTRAIOTM GPU-POWERED STORAGE ARCHITECTURE

ULTRAIOTM STORAGE + BRICKSTOR SP

RackTop® BrickStor SP combined with Nyriad's UltraIO™ storage solution provides secure unstructured data services with a highly performant, resilient, and efficient storage platform. Now you have a secure enterprise file location for SMB and NFS that protects your data from today's modern cyber attacks.

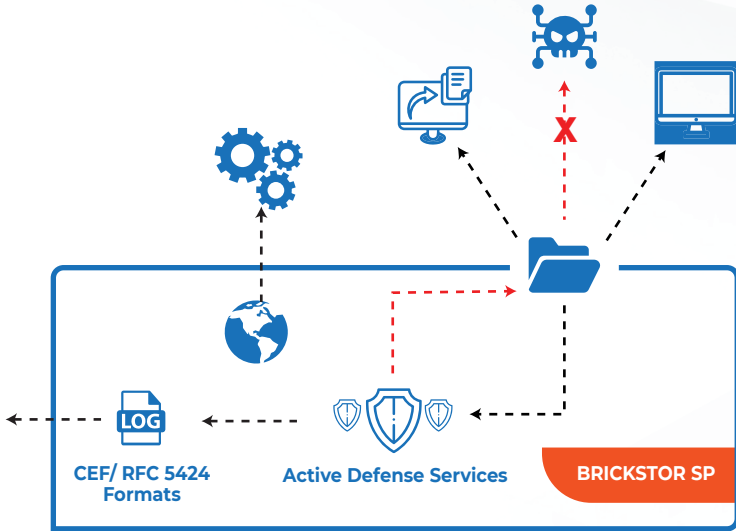
The differentiator in this solution is that RackTop's BrickStor SP platform continually evaluates trust at the transaction level while the UltraIO system provides data integrity at the erasure coded block level. BrickStor SP, in real time, grants or denies access to the data without any agents. As transactions are initiated, the BrickStor file system can determine if someone is attacking stored data, whether as ransomware, mass file deletion, file exfiltration, etc. This unique solution dynamically protects data during all three phases of the ransomware attack. While BrickStor SP is protecting files, the UltraIO storage system continually verifies all block data and dynamically recreates any failed blocks with no interruption.



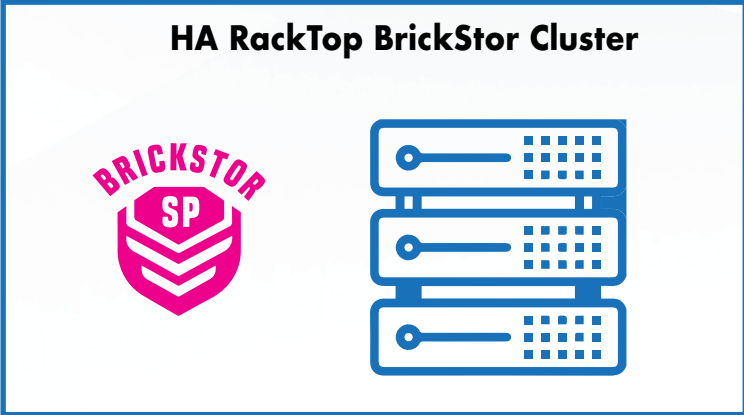
In addition, RackTop keeps all file access transactions in a searchable database, allowing administrators to run inquiries into file access or show data lineage or heritage.

RackTop BrickStor SP also provides comprehensive compliance reporting. Included are over 250 reports that map directly to the NIST800-171/53 data access control standards. This satisfies compliance requirements from standards such as CMMC, SOX, HIPAA, FINRA, etc.

BrickStor SP Cyber Resilient Protection for Primary Files



SMB and NFS



DEPLOYMENT ARCHITECTURE

RackTop's and Nyriad's integrated, tested solution combines the secure data services of BrickStor SP with the UltraIO system's GPU-accelerated erasure coding to provide enterprises, research institutions, and other organizations high bandwidth, high resiliency, and high efficiency file and block storage. As a block storage platform, UltraIO HA controllers can service multiple parallel workloads at up to 20 GB/s, while the block-level erasure coding provides high capacity utilization without the inherent risks and challenges of RAID.

The UltraIO solution's simple management and large scale also permit workloads other than BrickStor to reside on the same array. This means organizations can have over 3PB of usable capacity servicing multiple data workloads on the same system with performance and capacity to spare.

