

StorONE + Viking Enterprise Solutions: Revolutionizing VMware Storage for Healthcare Virtualization

StorONE and Viking Enterprise Solutions have partnered to deliver a high-performance, cost-effective storage solution for VMware and VMware-replacement environments in healthcare. Deployed on Viking's enterprise-grade VSS2249RQ hardware, StorONE's HIPAA-compliant storage software-platform storage simplifies operations, slashes costs, and scales effortlessly—empowering IT teams to meet the demands of virtualized workloads and PACS imaging with ease.

Industry: Healthcare

Deployment: iSCSI block storage for VMware VMs and PACS



The Challenge for Healthcare Storage

- **Rising Costs:** Licensing and support fees strain IT budgets.
- **Complexity:** Managing storage for VMs and PACS requires multiple tools.
- **Performance:** Legacy systems struggle with growing imaging and VM demands.
- **Scalability:** Proprietary hardware limits flexibility and growth.

StorONE: The Efficient Storage Platform

The StorONE Engine, deployed on Viking's VSS2249RQ SBB servers, delivers unmatched virtualization performance with healthcare-grade reliability.

- **Purpose-Built Hardware:** Viking's VSS2249RQ, designed for mission-critical workloads, provides over 550TB of usable capacity (230TB NVMe + 324TB HDD via JBOD) in a compact, modular form factor trusted by healthcare IT teams worldwide.
- **AI-Enabled Auto-Tiering:** Seamless and automatic block-level data placement optimization, that intelligently moves data between drive tiers to maximize efficiency and reduce waste.
- **Blazing Performance:** Over 1M IOPS with a cacheless design using just 18 NVMe drives.
- **Hypervisor-Agnostic Integration:** iSCSI connectivity supports VMware ESXi, Microsoft Hyper-V, or other hypervisors, enabling rapid PACS access and VM operations.
- **Flexible Scaling:** Add any drives at any time without disruption or vendor lock-in.
- **Always-On Protection:** vRAID, immutable snapshots, and MFA safeguard critical imaging data.

Customer Spotlight: Radiology Imaging

Profile:

A Nevada-based radiology provider operating across 10 states with over 150 ACR-RADSITE certified facilities, specializing in radiology, interventional radiology, and PACS management.

Deployment:

- StorONE software on Viking VSS2249RQ hardware.
- Unified block storage (iSCSI) for VMware virtualization.
- Supported PACS images and 150+ virtual machines.

Outcomes:

- **90%+ capacity utilization** for maximum efficiency.
- **50% lower latency** for faster imaging access.
- **30% reduction in storage costs** compared to legacy systems.
- **Full COTS stack** eliminated proprietary hardware.
- **Streamlined management** with centralized PACS and VM storage.

Why This Stack Excels

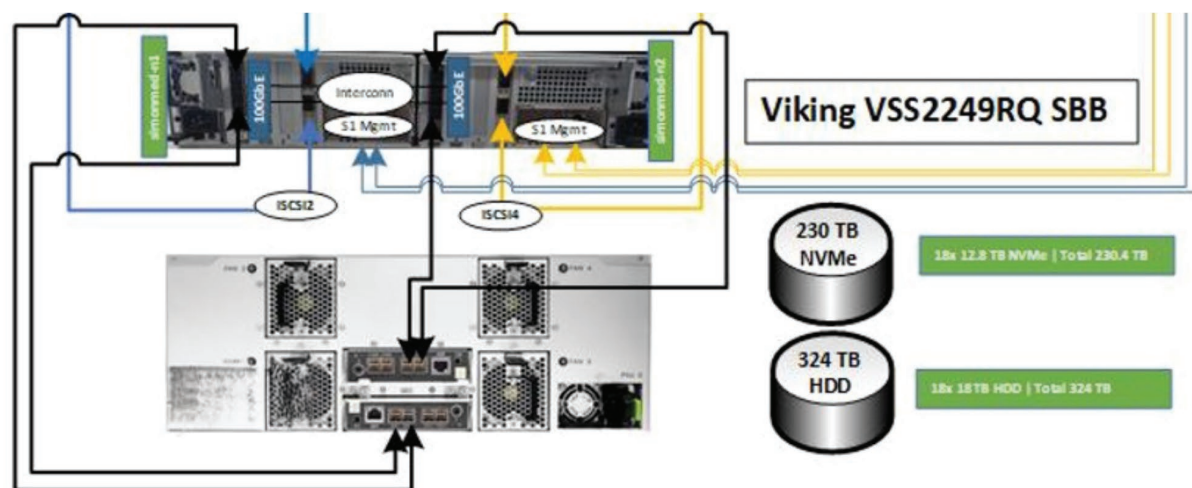
- **Cost-Effective:**
Viking hardware + StorONE software reduces media costs.
- **Intelligent:**
AI-enabled auto-tiering optimizes PACS and VM data across NVMe and HDD.
- **Resilient:**
vRAID and instant ransomware recovery ensure data integrity.
- **Streamlined:**
Web GUI, REST API, and CLI enable effortless management.

Technical Highlights

- **Supported Protocols:**
iSCSI, Fibre Channel, NVMe-oF, NFS, SMB, S3.
- **Rebuilds:**
vRAID recovers 20TB in under 3 hours.
- **Drives:**
Mixed media—NVMe + HDD—in Viking's modular chassis and JBODs.
- **Automation:**
REST API support for seamless integration.

Visualize the Solution

Contact us for a detailed architecture diagram showcasing how StorONE and Viking integrate with your virtualization environment



StorONE: Efficiency Designed for Virtualization

- ☑ **Unified Platform:** Block, file, and object storage from one system.
- ☑ **Hardware Freedom:** Use any drives; expand any time.
- ☑ **Built-In Data Protection:** Ransomware recovery, immutable snapshots, MFA.
- ☑ **Optimized for VMs:** Low-latency, high-throughput, and easy to manage.



Take the Next Step Today

Ready to simplify VMware storage, boost performance, and cut costs? Contact our team for a **free storage assessment** and see how StorONE and Viking deliver unmatched value.

Email: info@StorONE.com | info@vikingenterprise.com

Visit: StorONE.com | VikingEnterprise.com

Schedule a demo now!