EMC VNX SERIES SOFTWARE SUITES

Boost application performance, protect critical information, and reduce storage costs with comprehensive software from EMC

IT administrators everywhere are under constant pressure to do more with less: shrinking budgets, fewer resources, and less infrastructure. EMC meets these challenges with a set of unique and powerful storage and data management software solutions. Designed to work with the EMC® VNX® series of storage platforms, these advanced features dramatically improve efficiency by simplifying and automating many storage tasks.

FAST Suite—Automatically optimize for the highest system performance and the lowest storage cost simultaneously.

Security and Compliance Suite—Keep data safe from changes, deletions, and malicious activity.

Local Protection Suite—Practice safe data protection and repurposing.

Remote Protection Suite—Protect data against localized failures, outages, and disasters.
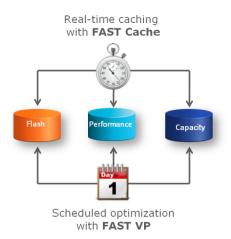
Application Protection Suite—Automate application copies and prove compliance.

Unisphere Management Suite—Monitor and manage multiple VNX systems with full visibility across the virtual stack.

FAST SUITE

The FAST Suite improves performance and maximizes storage efficiency by enabling customers to deploy a FLASH 1st strategy. Using the FAST suite and just a small number of Flash drives, a FLASH 1st strategy lowers storage costs and delivers higher performance levels for your most important applications by automatically tiering and serving data from the most cost-effective drive type, based on the data's need. Customers define how and when data is tiered using policies that dynamically move active data to high-performance drives, and less active data to high-capacity drives, in one-gigabyte increments for both block and file systems. For inconsistent, high-demand workloads, an extendable cache of up to 4.2 terabytes ensures that data is served from the highest performing Flash drives for as long as needed. With a FLASH 1st strategy, customers never have to make concessions for cost or performance.
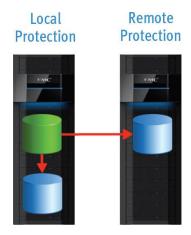
Real-time caching
with **FAST Cache**

Flash   Performance   Capacity

Scheduled optimization
with **FAST VP**

Set-it-and-forget-it performance optimization for application workloads

SECURITY AND COMPLIANCE SUITE

The Security and Compliance Suite helps customers ensure that data is protected from unwanted changes, deletions, and malicious activity. Encrypt data where it is created for protection anywhere outside the server. Maintain data confidentiality for selected data at rest and enforce retention at the file-level to meet compliance requirements. Integrate with third-party anti-virus checking, quota management, and auditing applications for added data protection, security, and peace of mind.

LOCAL PROTECTION SUITE

Practice safe data protection and repurposing with the Local Protection Suite. This suite gives customers any point-in-time recovery with DVR-like roll-back capabilities for business continuity on block-based storage, allowing recovery of production applications with minimal data exposure. Application owners can tune recovery point objectives based on the criticality of data, and perform faster recovery through self-service capabilities. Create point-in-time copies to instantly restore production data residing on file- and block-based storage as well as use production copies for development, testing, decision support tools, reporting, and point-in-time backups.
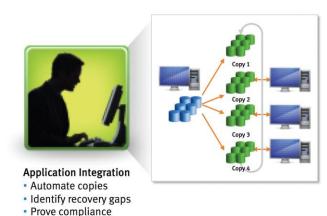

Local
Protection

Remote
Protection

Local copies for instant recovery and repurposing
Immediate disaster recovery at a remote site or restore back to production

REMOTE PROTECTION SUITE

The Remote Protection Suite offers protection against localized failures, outages, and disasters. It lets customers deliver disaster recovery protection for any host and any application on block-based or file-based storage—without compromise—and with immediate DVR-like rollback to a point-in-time. Capabilities include compression and deduplication for WAN bandwidth reduction and application-specific recovery point objectives. Replication options are available for "many to one" fan-in replication for centralized backup operations, as well as "one-to-many" disaster recovery configurations.

APPLICATION PROTECTION SUITE

With the Application Protection Suite, automate application-consistent copies of Microsoft® Exchange, SQL Server®, SharePoint® and Oracle, and prove recovery for defined service levels. User roles enable self-service protection, while improving visibility for all application recovery points. Alerts are generated automatically, enabling fast resolution to recovery gaps. Integrated reporting enables customers to prove compliance with protection policies.

Automate application copies and prove protection compliance

UNISPHERE MANAGEMENT SUITE

Unisphere Management Suite helps you monitor and manage multiple VNX systems with full visibility across the virtual stack - one suite that includes Unisphere, Unisphere Remote and VNX Monitoring and Reporting.

Unisphere is the next-generation unified storage management platform for the VNX series that provides intuitive user interfaces with a task-oriented approach. VNX Monitoring and Reporting provides performance and capacity trending capabilities for VNX storage systems. Unisphere Remote allows VNXe and VNX customers to monitor the health, alerts and performance of large numbers of VNXe and VNX systems across a central console.

THE INDUSTRY'S MOST EXTENSIVE STORAGE SOFTWARE OFFERINGS

The VNX series software is available in two comprehensive packages to ensure customers have all of the necessary capabilities to protect and manage their information. The VNX Total Protection Pack includes replication capabilities, point-in-time recovery features such as snaps and clones combined with automated application copies for assured recovery, along with monitoring and alerting for compliance with protection policies. The VNX Total Efficiency Pack includes all of the protection features plus "set it and forget it" performance optimization. VNX software is managed through Unisphere.

VNX Packs	VNX Suites	Function
VNX Total Efficiency Pack	**FAST Suite** Automatically optimize for the highest system performance and the lowest storage cost simultaneously.	Dynamically tier data across drives
		Extendable cache for performance boost
		Trend analysis and reporting
		Monitor and achieve performance objectives
	Security and Compliance Suite Keep data safe from changes, deletions, and malicious activity.	Encrypt data where it is created
		Disk-based WORM functionality
		Anti-virus integration and alerting
VNX Total Protection Pack	**Local Protection Suite** Practice safe data protection and repurposing.	DVR-like recovery for block storage
		Block storage snaps and clones
		File system snaps
	Remote Protection Suite Protect data against localized failures, outages, and disasters	Unified storage replication with DVR-like recovery
		Integrated WAN deduplication and bandwidth reduction
		Granular file system level replication and recovery
	Application Protection Suite Automate application copies and prove compliance.	Application copy management
		Prove protection compliance

CONTACT US

To learn more about how EMC products, services, and solutions can help solve your business and IT challenges, contact your local representative or authorized reseller—or visit us at www.EMC.com.

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