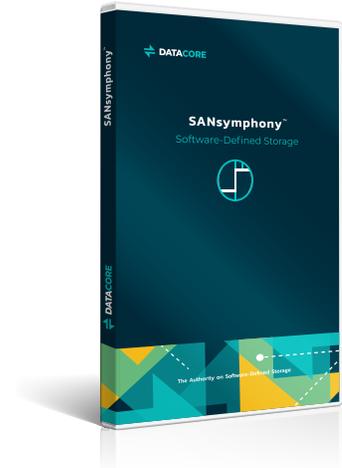


Storage Virtualization Software Essential to your Citrix® Virtualization Strategy

For the fastest performance, highest availability and fullest use from your IT assets, whether on-premises or in the cloud.



SOLUTION HIGHLIGHTS

- Speeds up user experience on virtual desktops and application delivery by removing disk I/O bottlenecks
- Makes business continuity and disaster recovery practical for VDI, virtual servers and hybrid cloud environments
- Eliminates storage-related disruptions due to inevitable maintenance, reconfiguration, upgrades, expansion and failures
- Maximizes use of available disk capacity
- Centralizes and automates management across diverse models and manufacturers of storage equipment

The high definition user experience you expect from your Citrix environment hinges on many variables, with storage high amongst them. How well storage responds at one end-point shapes the user experience and their level of satisfaction at the other. That's especially true in highly virtualized Citrix infrastructures where the working images of desktops, apps and servers simply become stored objects – constantly in motion and constantly being reconfigured and updated.

Like desktop devices, it's clear that no one storage device can cost-effectively meet all of your current and future needs. Nor should incompatibilities between equipment and manufacturers limit your selection. Choosing among competing alternatives at major new rollout and expansion points gives you the chance to shop for the best possible value. It also gives you the chance to incorporate new technologies well suited to your needs.

To this end, DataCore virtualizes storage across your infrastructure, empowering you to apply the most compelling combination of new storage innovations and existing resources. We help you balance business objectives against budget constraints to yield the fastest performance, highest availability and maximum utilization from your IT investments.

The DataCore SANsymphony storage virtualization software is the perfect complement to Citrix desktop, application and server virtualization technologies. It integrates the storage management and control intelligence necessary to realize the most effective use of your on-premises and cloud-resident IT environment.

INFRASTRUCTURE-WIDE FEATURES WORK ACROSS UNLIKE AND INCOMPATIBLE STORAGE DEVICES

 SOFTWARE-DEFINED STORAGE				
CONSUMERS				
PHYSICAL SERVERS		VIRTUAL MACHINES		CONTAINERS
ACCESS METHODS				
FC		ISCSI		SMB
OPERATION & INSIGHTS	DATA SERVICES			COMMAND & CONTROL
PROVISIONING	 AUTO-TIERING	 QUALITY OF SERVICE (QOS)		REST API
DATA MIGRATION	 CACHING	 RANDOM WRITE ACCELERATOR		
HISTORICAL / REAL-TIME CHARTS	 CONTINUOUS DATA PROTECTION	 REPLICATION & SITE RECOVERY		POWERSHELL CMDLETS
HEALTH & PERFORMANCE GRAPHS	 DEDUPLICATION/COMPRESSION	 SNAPSHOTS		PLUG-INS
PROACTIVE ALERTS	 ENCRYPTION	 STORAGE POOLING		
PREDICTIVE ANALYTICS	 LOAD BALANCING	 SYNCHRONOUS MIRRORING		CONSOLE USER INTERFACE
ORCHESTRATION	 PARALLEL I/O	 THIN PROVISIONING		
STORAGE PROTOCOLS				
NVME		FC	ISCSI	SAS/SATA
CLOUD				

SOLUTION OVERVIEW

BUSINESS CHALLENGES

- Finding it unaffordable to put in place a suitable shared storage configuration to support a Citrix XenDesktop virtualization project.
- Experiencing frequent disruptions in a Citrix XenApp environment attributed to storage. For example, outages required to expand capacity, take backups, resize volumes, swap out disk drives, upgrade equipment and migrate data to new devices.
- Mission-critical (Tier 1) applications like Oracle, SAP, SQL Server and Exchange run slowly after virtualizing them despite having adequate processor and memory resources. Problems can be traced to disk I/O bottlenecks and programs running out of disk space because more workloads are competing for the same storage resources.
- High risk of losing critical information due to major and mini disasters that damage or impair storage hardware

or the facilities they are housed in. Such a loss might jeopardize the organization's ability to continue IT operations and could lead to business collapse.

- Budget cuts impeding rollout of adequate SAN to support server consolidation and/or private/hybrid cloud initiatives

USE CASE SCENARIOS

SCENARIO 1:

Virtual desktop environment (VDI) using Citrix XenDesktop combined with on-demand application delivery via Citrix XenApp.

CHALLENGE:

The storage-related costs proposed by others to support your virtual desktops and self-service app delivery requirements exceed your estimation and budget. These costs also seem disproportionately high when compared to the overall project estimates. Yet they don't adequately protect against single points of failure and expose your users to major outages.

SOLUTION:

Use DataCore SANsymphony software to significantly reduce the storage-related investment necessary to meet the low-latency I/O requirements of your hosted virtual desktops while ensuring non-stop access to shared storage pools. Much of that savings comes from getting better use and faster response from the storage you already have in place as well as by adding new NVME/Optane options.

You'll also be able to extend the same robust storage data protection and management services to your adjacent application delivery needs and broader IT requirements.

SCENARIO 2:

Hybrid cloud rollout and transition with Citrix XenApp.

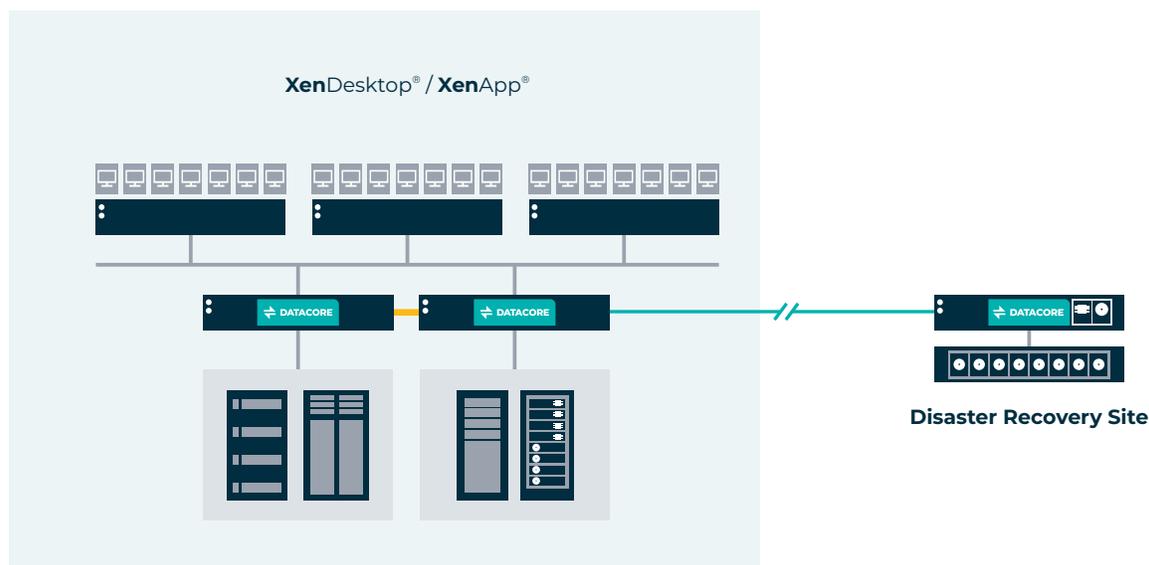
CHALLENGE:

The storage-related aspects of switching from a conventional data center to a combined private/public cloud

environment appear quite complex and expensive, even though the computational cut-over seems straightforward. Many of the current storage devices would have to be replaced and the long migration would severely impact virtual business operations. Most proposals also force you to rely exclusively on one storage hardware manufacturer in order to maintain equipment compatibility, yet you know that the lack of choice will inevitably prove inadequate to meet your long term needs and budget constraints.

SOLUTION:

Transparently migrate data, virtual machines and physical workloads to your private and public cloud environment using DataCore SANsymphony software. Its automated storage tiering and device-independent pooling features will move your disk contents in the background between your current and future storage. The transparent migration works across like or unlike devices, letting you easily transition from on-premises disks to public cloud storage and new private cloud equipment without disruption.



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[REQUEST A DEMO](#)

Discover the Ultimate Flexibility of DataCore Software

DataCore software-defined & hyperconverged storage solutions reduce costs, eliminate vendor lock-in, and deliver ultimate flexibility in how organizations manage, build and modernize their storage infrastructures.

See why over 10,000 customers recognize DataCore Software as the most flexible software-defined storage platform and visit www.datacore.com.

