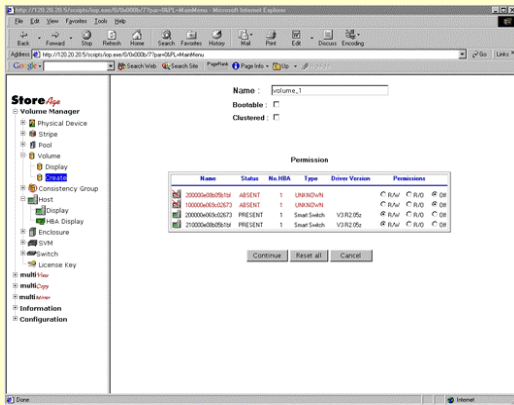


# StoreAge SVM™ for Troika NSS Platform™

## NETWORK-BASED SAN STORAGE MANAGEMENT



### Maximizes Application Uptime

Dynamically provisions storage capacity to prevent out-of-space conditions

### Enhances Business Continuity

Instant read/write copies of data enable zero-downtime backup, online data restores, data warehouse updates and application testing

### Cost-effective Disaster Recovery

Any-to-any mirroring continuously replicates data from any storage, to any storage, at any location

### Seamless Data Migration

Non-disruptively migrates data from any device, to any device, at any location while production applications remain online

### Incremental, Seamless Deployment

Network-based NSS Platform easily drops into existing networks, providing wire-speed performance and easily managed pooled storage across heterogeneous fabrics

## StoreAge SVM

SVM (Storage Virtualization Manager) is an out-of-the-data-path (asymmetric) SAN appliance that provides centralized, network-based volume management, snapshot, replication and mirroring across all storage devices within a SAN.

Unlike host-based or storage-based volume management and data replication technologies, StoreAge SVM is a network-based solution that centrally manages all storage regardless of the operating systems or storage devices in use. By deploying SVM agents on the Troika Network Storage Services Platform, StoreAge leverages Troika's intelligent storage application technology to deliver centralized storage management, business continuity and disaster recovery capabilities across all attached servers and storage subsystems within a SAN.

StoreAge SVM solutions provide a number of key business benefits in managing SAN environments, such as:

- Maximizing application uptime by dynamically expanding volumes on a just-in-time basis, preventing out-of-space conditions from disrupting production applications
- Optimizing the use of existing storage resources by pooling unused capacity, eliminating the common practice of "over-allocating" capacity to each server
- Enhancing business continuity by creating instant read/write copies of data on any SAN storage device, enabling zero-downtime backup, online data restores, data warehouse updates and application testing to occur without disrupting production servers or applications.

- Providing cost-effective disaster recovery capabilities by mirroring data between different storage devices from different vendors – either locally or remotely – and enabling rapid failover and failback between sites in the event of planned or unplanned downtime
- Seamlessly migrating data between any storage devices attached to the SAN without disrupting production applications, supporting data movement activities such as storage consolidation, deployment of new storage devices and the retirement of older storage subsystems

## Troika Network Storage Services Platform

Troika's NSS Platform provides a platform for optimizing storage services within the network. Troika optimizes deployment of storage services within the network by:

- Reducing host maintenance headaches by providing a network-based, drop-in platform for storage services.
- Optimizing I/O operations without impacting performance of the network, on a scalable and reliable platform
- Minimizing interoperability issues and downtime associated with switches by providing an E/F-port agnostic solution.
- Increases interoperability by supporting the ability to bridge across multiple, heterogeneous, incompatible fabrics.

## PARTNER SOLUTION

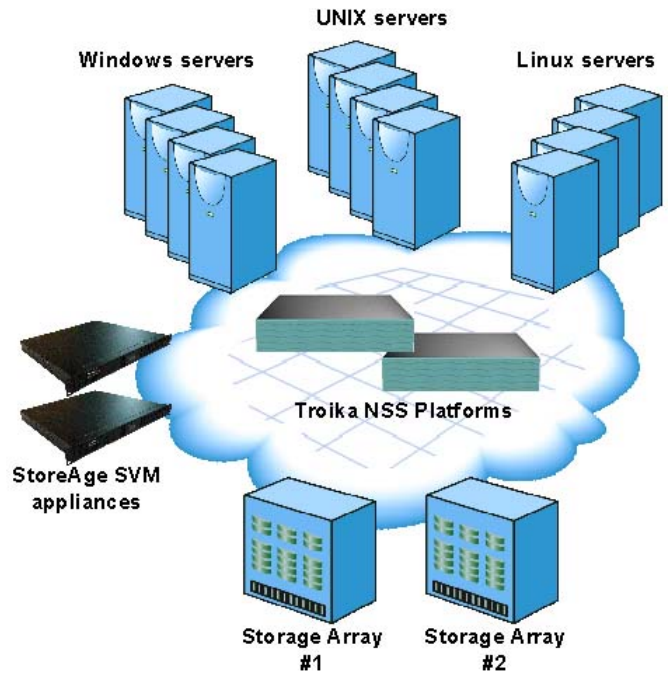
### StoreAge SVM for Troika NSS PLATFORM

StoreAge SVM's network-centric design supports both highly available and highly scalable SAN configurations with the Troika platform. By supporting multiple Network Storage Services Platforms within the same SAN, StoreAge SVM:

- Enables highly scalable deployment of Fibre Channel networks, by increasing the number of application nodes within the SAN
- Supports I/O load balancing and alternate pathing by allowing the same data volumes to be accessed from multiple Troika devices
- SVM agents may be host-based and/or Network Storage Services Platform-based, allowing flexible configuration options and providing an efficient price/performance solution. Host-based SVM agents provide uniform multi-pathing between attached hosts and storage devices.

### A New Generation of Advanced SAN Management

By combining the unprecedented scalability and performance capabilities of the Troika Networks' optimized storage application platform with StoreAge SVM's centralized storage provisioning, data movement, data protection and storage management features, a new generation of advanced SAN management technology is now a reality.



*StoreAge SVM/NSSP Configuration – A StoreAge-enabled SAN with dual Troika Network Storage Services Platforms. All storage within the SAN is centrally managed, including volume management, snapshots, data replication and data mirroring to a remote site. The NSSP provides drop-in deployment of StoreAge capability into the SAN.*

## SYSTEM REQUIREMENTS

- Troika Networks Network Storage Services Platform (NSS Platform) K800 or K1600
- StoreAge SVM V3R1 or higher
- Management Interface: Standard Web Browser