FalconStor® StorGuard™ Data Sheet

Storage virtualization and simple licensing means typically expensive data services technology is affordable and all managed centrally

FalconStor StorGuard enables storage virtualization and optimized efficiency across heterogeneous storage and networks, providing centralized management, consolidation, and continuous, active-active availability of primary data for business continuity. It provides:

Superior business continuity (BC) infrastructure, meeting the tightest RTOs using non-disruptive application-aware snapshot technology

With snapshot agents that put the application in hot backup mode, the snapshot is taken typically without a user even noticing. Because the application is quiescent, superior RTO is achieved since the transactions are flushed to disk prior to taking the snapshot, thus not requiring any recovery tools when StorGuard recovers data from the snapshot. This differs from vendors with crash consistent snapshots that require recovery tools when they recover from a snapshot which increases RTO.

Superior architecture for cost-effective High Availability (HA) and BC

StorGuard was designed as a massively scalable, highly available storage virtualization solution. Supporting existing third-party disk arrays, it eliminates data boundaries and vendor lock-in, providing fast and easy data provisioning, mirroring, migration, snapshots, and replication.

TECHNICAL FEATURES

FAST FAILOVER AND FAILBACK	• Mirroring, replication, snapshot, and journaling technology • Supports compute servers, networking, and storage • Spans geographically dispersed sites and clouds
DATA MIGRATION	• Supports major brands of iSCSI, Fibre Channel (FC), or FC over Ethernet (FCoE) protocols • Heterogeneous disk arrays supported with point-and-click data migration • Synchronous data mirroring for HA between two independent disk arrays and asynchronous data replication to remote sites for disaster recovery

METRO-REGION HA	• Cluster technology delivers HA between two independent servers • In datacenter or separated by a metro-region (up to 100km distance)
DATA RECOVERY	• Data recovery from snapshot journal up to microsecond •View I/O activity over time, allowing the administrator to zoom in on the timeline to choose a point of low I/O activity as a recovery point
STORSIGHT™ CENTRAL MANAGEMENT	• Real-time visibility into status, health, and integrity of data services with Reports, Smart Rules, Analytics, and Forecasts • Secure multi-tenancy • Single console to manage all StorGuard and StorSafe® VTL servers and licenses, from on-premises to cloud

RETURN ON INVESTMENT

FalconStor StorGuard enables significant savings for:

1) Data services - storage virtualization and simple licensing makes expensive technology available to IT departments and all under one roof (StorGuard) and managed by one application (StorSight)

2) Data migration - replication, mirroring, snapshot, and journaling technology all available from one application allows IT admins to perform easy migration to the cloud, OS upgrades, ransomware protection, and more

TECHNICAL SPECIFICATIONS

Host Operating Systems and Hypervisors	See Certification Guide
Connectivity Protocols	iSCSI, FC, FCoE

SUPPORT AND SERVICES

For the latest information on our support and services offerings, please visit https://www.falconstor.com/support/support-services/.

Contact FalconStor: https://www.falconstor.com/contact/