

QStar Partner Solution

RDX® Technology for Archiving

RDX® is the leading technology within the removable hard disk market, and is an exciting option for the archiving market. When selecting an archiving technology that can provide infinite scalability and can protect valuable archived data for the long-term, the rugged removable RDX media cartridge offers some clear advantages.

QStar and Tandberg Data Deliver Powerful and Flexible RDX Archiving Solution

QStar HSM Archive Management software paired with one or more Tandberg Data RDX® QuikStation™ removable disk libraries create a powerful and flexible archive solution for small to enterprise archive requirements.

The Tandberg Data RDX QuikStation iSCSI 2U rack-mount storage platform includes 8 integrated RDX docks. Using Tandberg Data's 1TB RDX cartridges, the system provides up to 8TB of online capacity and unlimited offline capacity. Multiple RDX QuikStation units can be addressed from a single server. QStar HSM Archive Management software can support up to 256 RDX 8 dock QuikStation units, giving more than 2PB of online capacity.



Access to All Archived Data

QStar software, available for Windows, Linux, UNIX or Mac servers, presents the complete RDX QuikStation archive as a network share or mount point using industry-standard CIFS and NFS protocols.

End users have active access to the archive and can easily search, find and retrieve all archived files.

Contents remain visible for searching, even on media that has been removed from the RDX QuikStation.

Solution Benefits

- Presents one or many RDX QuikStation units as a single network share for easy access to all archived files on all media
- Online scalability up to 2PB / Limitless offline scalability
- Retention management to meet internal governance or compliance requirements
- Secure long-term data preservation
- Simple connection with Windows, Linux, UNIX or Mac OS X servers
- Future-proof - Guaranteed support for all new media capacities
- Optional synchronous or asynchronous replication
- Optional AES-128 and 256 encryption with key management

Limitless Scalability

A key requirement of an archive is to easily scale as capacity is required. Storage becomes cheaper each year and so buying just enough today keeps costs down. Using QStar archive software with Tandberg Data RDX QuikStation allows the archive to grow in a number of ways.

- Removing media from the RDX QuikStation and replacing it with new, allows the archive to grow in the most cost effective way. QStar automatically tracks the location of all files on the removed media and, if required, will notify an Administrator via email, to reload the desired media.
- Adding additional RDX QuikStation units allows increased on-line capacity, and removes the need to access offline media. Through the use of iSCSI technology the new RDX QuikStation removable disk libraries can be added seamlessly. QStar software can support up to 256 RDX QuikStation units in a single configuration.
- As higher capacity RDX media becomes available it can be used immediately in the RDX QuikStation. RDX technology is unique in the archive storage world in this regard, as all other removable media solutions require a drive upgrade to use latest capacity media.

Superior Compliance and Protection

Retention management and optional encryption are features provided with this solution by QStar Archive Management software. These features ensure that valuable archived data is managed and protected efficiently.

Retention management helps organizations to meet internal governance or compliance requirements. Retention management securely retains files in a read-only format, within the archive, for a pre-determined period of time. Once that period elapses, files can be automatically purged and media can be re-used for new archive content. Multiple retention periods can be created to support different data sets to meet varying business needs.

Optionally, encryption can be used to ensure that unauthorized reading of media is prevented, particularly if RDX media is transported to another site or RDX QuikStation.

Disaster Prevention Strategies

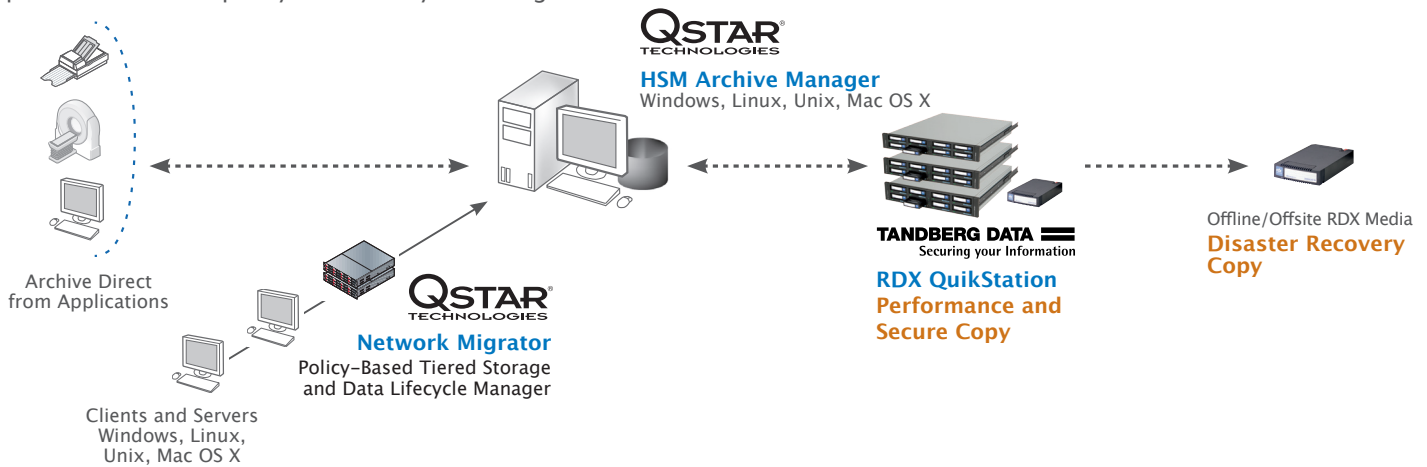
An archive using QStar archiving software and RDX QuikStation removable disk libraries offers two disaster prevention strategies.

A simple, low-cost strategy is to create a disaster recovery (DR) copy and simply remove it from the RDX QuikStation and transport to a remote location. Optionally, with the use of disk mirroring, two simultaneous writes can occur to two RDX cartridges, one which can be removed once full.

A more advanced alternative is to use QStar HSM Archive Replicator software, which allows data to be replicated, either synchronously or asynchronously to a second RDX QuikStation at a second site.

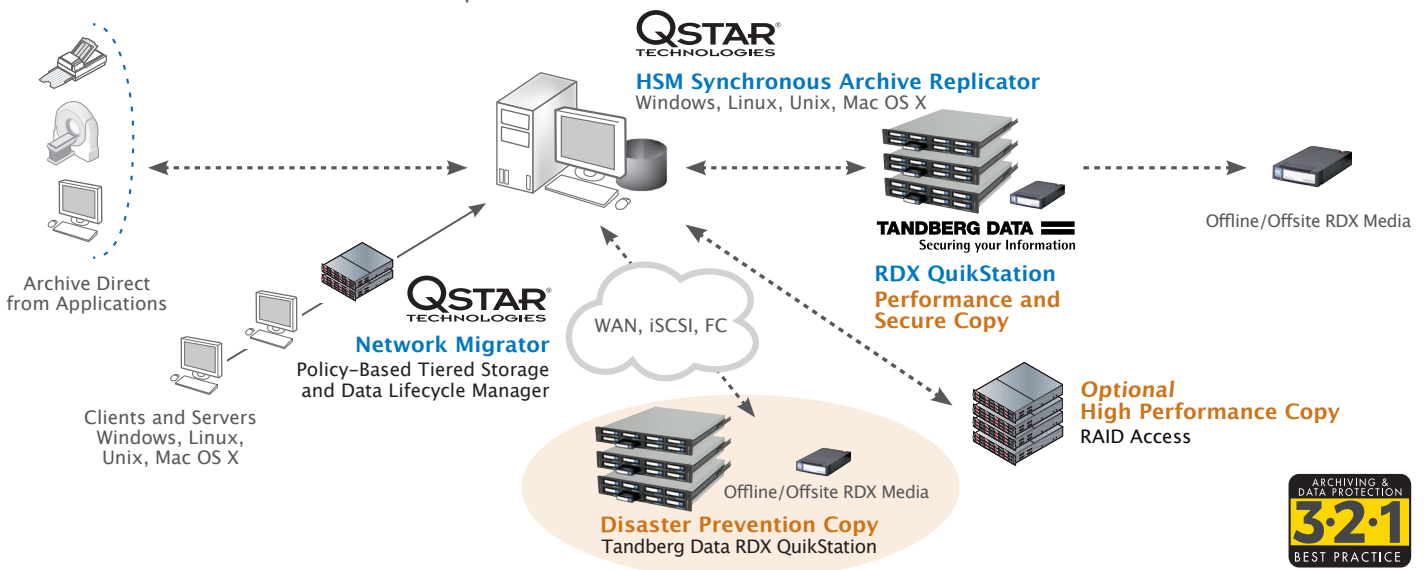
Basic Archive Configuration

Data stored from one or more applications into a single archive with cost effective offline disaster recovery strategy. Optional automated policy based lifecycle management.



Advanced Archive Configuration

Optional functionality can be incrementally added including automated policy based lifecycle management, mirrored RAID performance archive and remote disaster prevention.



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