

Remote Replication - Synchronous (RRS)

Embedded Data Services

Addressing business continuity requirements for off-site files (data vaulting) where data is protected from various failures and threats, and real-time replication of critical data between multiple storage arrays (disaster recovery) are two common problems SMB/SME IT operations must resolve in a cost-effective manner.

RRS delivers powerful benefits for SMBs and SMEs including:

- **Enables companies to restart mission-critical applications immediately after a primary site disaster, bringing critical activities back online**
- **Delivers a cost-effective and flexible solution for business data synchronization between local and remote volumes for immediate use**
- **Simplifies moving and using data from external sources, making the entire process straightforward and efficient**

With iQstor's Remote Replication - Synchronous (RRS), the ultimate solution for disaster recovery, companies can restart mission-critical applications immediately after a primary site disaster, bringing critical activities back online. Using RRS, administrators have a cost-effective and flexible solution for business data synchronization between local and remote volumes (both synchronous and asynchronous) that allows IT personnel to easily create an exact copy of a volume and assign that copy to an application server for immediate use – making the process of moving and using data from external sources a straightforward and efficient process.

Server-less, automated solution for disaster recovery

RRS, similar to other iQstor data services features, is storage controller-based and does not impact the operation of user applications. Once a volume is replicated to a remote site, the user has immediate access to the remote data for application testing, backup and recovery.

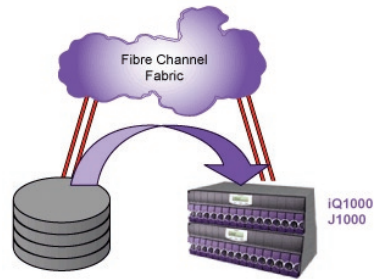
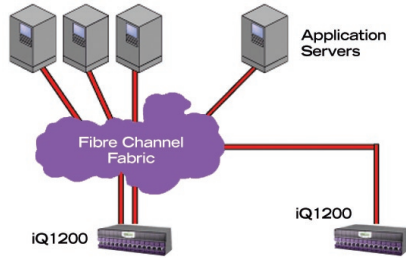
RRS enables server-less automated facilities to accomplish these tasks, and storage administrators can easily manage data movement and synchronization between local and remote storage volumes at blazingly fast speeds to:

- Produce remote mirrored copies of iQstor virtual volumes on another iQstor storage system
- Produce remote mirrored copies of iQstor virtual volumes on third-party Fibre Channel arrays, and,
- Acquire and migrate data from external Fibre Channel volumes and produce a virtual volume mirror.



The ability of RRS to deliver wide ranging, server-less mirroring functionality allows SMBs and SMEs to implement a number of data protection and data movement solutions to increase productivity, workflow efficiencies and protect their business investments. Several of these solutions include:

Business Continuity / Remote Copy - When a company's business continuity requirements dictate the need to be able to restart a mission critical application immediately after a primary site disaster, remote synchronized copies of data are required. With RRS, specified iQstor virtual volumes can be synchronously or asynchronously mirrored via Fibre Channel connections to remote locations with significant flexibility in dealing with a wide range of iQstor and third-party storage.



RRS allows you to easily mirror and migrate data between iQstor systems and third-party storage to create easy-to-deploy, easy-to-manage synchronized copy and business continuity solutions for your company

Data Migration / Synchronized Copy - Storage administrators regularly face a number of common problems involved in moving data between storage arrays, and RRS solves a variety these issues that administrators regularly face. One of these tasks is the movement of data from an older storage technology that is being displaced by newer systems. RRS is able to address this problem by reading data, without server involvement, from any industry-standard Fibre Channel LUN and producing an exact copy on a specified virtual volume. When the copy is complete, the newly-created virtual volume can be assigned to an attached application server for immediate use, enhancing workflow efficiencies and increasing productivity.

Available on iQ1000 and iQ1200 Storage Systems

RRS is one of the advanced, enterprise-level data services features available to SMBs and SMEs with iQstor's iQ1000 and iQ1200 storage systems. iQ1000 is a fully redundant Fibre Channel solution that delivers investment protection, cost-effectiveness and reliability for businesses that need a robust solution with the availability, manageability, data integrity and enterprise-level functionality required in today's data centers. The iQ1200 combines iQstor's proven enterprise-level features with cost-effective Serial ATA (SATA) disk drives to deliver efficient storage growth, scalability, data protection, storage automation and plug and play simplicity for near line applications – at a dramatically low price point.

