



Titan Storage Server

HIGHLIGHTS

- Real time mirroring of data
- Supports cluster level NVRAM mirroring configurations for added data protection and availability
- Block level synchronous transmission - asynchronous replication
- Policy based replication
- Distances of up to 100km
- Single or clustered Titan configuration support

BlueArc Remote Volume Mirroring (RVM)

Take Data Protection to a Higher Level. Lower the Risk of Downtime and Data Loss with Synchronous Real-Time Copies.

For the most stringent, continuous availability requirements of today's enterprise, BlueArc Remote Volume Mirroring (RVM) offers IT organizations an easy way to achieve the highest level of data availability and protection from within their BlueArc Titan storage environment.

In situations where companies simply cannot afford application downtime or data loss due to a catastrophic failure at their primary site, BlueArc RVM offers a more granular, off-site disaster recovery solution that protects critical data. With RVM, IT groups can now enable block-level, synchronous replication of two system drives, located in two different RAID arrays, at distances up to 100km apart.

With two, real-time copies of data maintained simultaneously, on two BlueArc Titan systems in different locations, RVM allows the data at the recovery site to be available instantaneously in the event of a failure at the primary site.

BlueArc RVM offers synchronous mirroring configurations that replicate from within the data center to remote metropolitan locations of up to 100km away for disaster recovery. Additionally, BlueArc RVM asynchronous replication provides protection between primary and secondary sites beyond 100km in distance. Regardless of disaster recovery requirements, customers can replicate to a BlueArc device across the street or to a separate geographic location.

Addressing the Availability Needs of Today's Business.

Companies who can gain the most benefit from BlueArc RVM tend to require the highest service levels for availability, recovery and backup of their most critical data. In these cases, RVM becomes a natural choice for customers who simply cannot afford to lose any data, no matter how small.

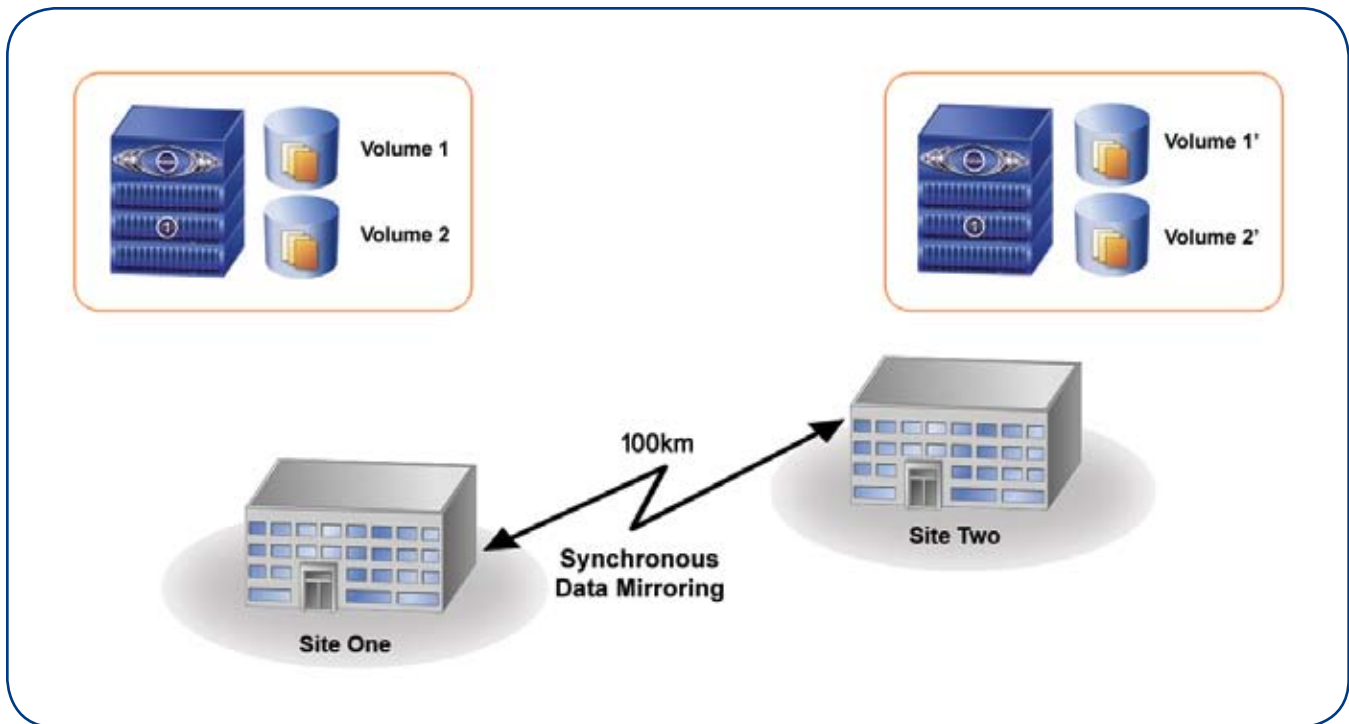
Other environments that cannot tolerate significant downtime benefit from BlueArc RVM's ability to provide a simultaneous, real-time copy of the data at a separate location. If necessary, the secondary site can pick up where the site leaves off in support of continued operations.

Some customers, such as large service providers and entertainment companies, may have backup windows that are simply too large to be practical or workflows that would be disrupted too much if they were to run more traditional backup procedures. Environments like these can deploy synchronous block level mirroring to ensure that exact copies of all key data at any given time exist, as well as to provide more flexibility in their backup strategy. Whether using a single or clustered approach, BlueArc RVM can support the highest level of availability and data protection needs of today's enterprises.

Adding Deeper Layers of Availability to the BlueArc Family of HA Solutions.

BlueArc offers a full spectrum of High Availability solutions to meet the needs of the most demanding IT environment. Now, with BlueArc RVM, companies can go deeper and reach farther beyond the bounds of their primary data center to protect critical data at off-site locations.

A key component to true, off-site disaster recovery, BlueArc RVM allows IT organizations to continue data protection efforts at their primary site while adding seamless, synchronous mirroring at a secondary location. With a redundant BlueArc system at the off-site location, the RVM solution transparently replicates block-level changes directly to the failover site in real time or as it is planned based on synchronous and asynchronous replication usage.



Solution Diagram Remote Volume Mirroring allows two system drives located in different RAID arrays to be synchronously replicated at the block level to distances of up to 100km.

FEATURE	SPECIFICATION
Remote Synchronous Configuration	<ul style="list-style-type: none"> • Distances up to 100km • Cluster NVRAM mirroring • Automatic Node Fail-over • Rollback to last checkpoint
Block-level Efficiency	Yes
Synchronous & Asynchronous Mirroring	Yes
Re-synchronization of Broken Mirrors	Yes, mirrors can be broken and re-synchronized
Flexible Priority Designation	Yes, primary and secondary mirror designations can be assigned and changed
GUI and CLI Support	Yes
Policy-based Replication	Yes
Licensed Feature	Yes



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