Data Sheet

Dell EMC Isilon SyncIQ

Sophisticated, fast and easy-to-use replication and failover solution over the WAN and LAN

ESSENTIALS

- Push-button failover and failback
- Encrypt and replicate critical business data to a secondary—local or remote—site
- Seamless failover and failback of compliance and non-compliance data
- Utilizes any network bandwidth for dependable RPO/RTO planning
- Integrates with unlimited snapshots
- Automatically replicates older or less critical data to a remote store

Fast and reliable file-based replication

All businesses want to protect themselves against unplanned outages and data loss. The best practice is typically to create and keep copies of important data so it can always be recovered. There are many approaches to creating and maintaining data copies, and the right approach depends on the criticality of the data to your business, and its timeliness— how long you can afford to be without it.

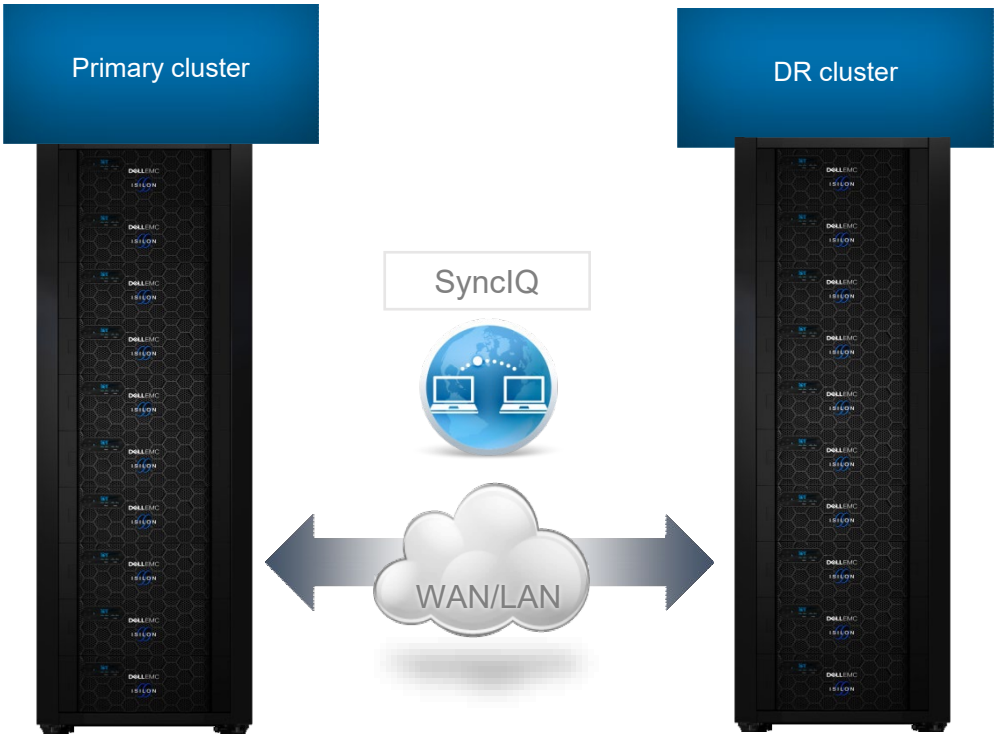
As the sheer size of data under management grows, it puts considerable strain on your ability to protect your data. Backup windows shrink, bottlenecks emerge on the source and destination sites, and logical and physical divisions of data fragment data protection processes. The result is increasing risk to your data and complexity in managing it.

Dell EMC® Isilon® SyncIQ™ offers powerful, flexible and easy to manage replication of data for disaster recovery, business continuance, disk-to-disk backup and remote disk archive.

SyncIQ delivers unique replication performance: every node in an Isilon cluster can send and receive data. Replication actually gets faster the larger your data store grows, since SyncIQ can take advantage of any available network bandwidth. Because both the source and the target can scale to multiple petabytes without fragmentation into multiple volumes or file systems, data replication starts simple and stays that way as the system scales.

A simple and intuitive web-based UI allows you to easily organize SyncIQ replication job rates and priorities to match business continuance priorities. Typically, a SyncIQ recurring job would be put in place to protect the data required for each major recovery point objective in your disaster recovery plan—sync every 6 hours for customer data, every 2 days for HR data, and so on. You can configure a directory, file system or even specific files for more or less frequent replication based on their business criticality. You can also create remote archive copies of out-of-use data that needs to be retained so you can reclaim valuable capacity in your production system.

In addition to being easy, replication should also be non-disruptive and SyncIQ is, taking as much or as little system resource and network bandwidth as you specify, and allowing the flexibility of scheduling sync jobs for off-peak hours.



Key features

Management features

- **Simple set-up:** Installs non-disruptively in fewer than ten minutes
- **Replication policy control:** Set replication policies for an entire cluster or at the directory level
- **File-level policies:** Set replication policies for a specific file types and ranges
- **Scheduling:** Designate replication frequency
- **Security:** end to end optional encryption of data
- **Web-based monitoring:** Control all functionality through a robust Web-based interface.
- **Compliance support:** SyncIQ seamless integrates with SmartLock to failover and failback compliance data
- **Third-Party integration:** Applications like Superna EyeGlass enhance SyncIQ by replicating configuration information

Performance

- **Unmatched replication performance:** All nodes concurrently send and receive data during replication jobs in real time, without impacting users reading and writing to the system. This enables the highest performing replication product in the market for network storage solutions.
- **Incremental transfers:** Only changed data (blocks) is replicated to the target clusters, which means faster replication times and lower network usage.
- **Integrated snapshots:** Save hours with integrated snapshots instead of time-consuming tree walks to hunt for changed files
- **Bandwidth metering & scheduling:** Limit the amount of network bandwidth for any given replication job to allot different bandwidth levels during defined windows of time based on network availability, utilization or cost
- **Throttled cluster impact:** Tune replication jobs to utilize as much or as little of the total cluster resources as needed to balance the speed of replication with the performance of the applications and demands of users accessing the cluster.

High availability

- **Failure & recovery:** In the event the secondary system is not available due to a system or network interruption, the replication job will be able to roll back and restart at the last successful copy operation
- **Alerts & logging:** Upon a critical failure or loss of network connection, an alert will be sent to all recipients configured to receive critical alerts

Take the next step

Contact your Dell EMC sales representative or authorized reseller to learn more about how Dell EMC Isilon scale-out NAS storage solutions can benefit your organization.

Shop Dell EMC Isilon to compare features and get more information.