



EonStor DS - Data Services

EonStor DS is designed to support mission-critical applications of small and medium businesses (SMB), featuring redundant, hot-swappable hardware components, CacheSafe technology and full RAID protection to deliver high fault-tolerant capability.

To protect data from even more critical threats, EonStor DS also features local and remote replication capabilities. By configuring the scheduler in SANWatch, users can automate replication tasks. In the event of human errors or data volume failures, differential and full copies of critical data sets can be leveraged to quickly recover data and restart service.

In addition, thin provisioning enables users to optimize capacity utilization and minimize investments in large and underutilized data volumes.

LOCAL REPLICATION

SNAPSHOT

- Copy-on-write technology to create point-in-time differential copies without disrupting online applications
- Restore deleted files or rollback data volumes in seconds based on space-efficient recovery points

VOLUME COPY/MIRROR

- Create independent point-in-time and mirrored full data copies without downtime
- Allow production data to be immediately shared by secondary applications, such as testing and data mining
- Restart service in minutes with minimized data loss when a source data volume fatally fails

REMOTE REPLICATION

- Deploy full data copies across storage systems at different sites, either in synchronous or asynchronous mode
- Leverage disk-based remote copies to quickly restart services in the event of source data failures

THIN PROVISIONING

- Allocate capacity dynamically to minimize expenses wasted on large and underutilized data volumes





LOCAL REPLICATION¹

Snapshot	Standard ¹	Advanced ³
Maximum Number of Snapshot Images for a Source Volume	64	256
Maximum Number of Snapshot Images in a System	1,024 / 128 ²	4,096
Volume Copy/Mirror		
Maximum Number of Source Volumes in a System	16	32
Maximum Number of Replication Pairs for a Source Volume	4	8
Maximum Number of Replication Pairs in a System	64	256

REMOTE REPLICATION⁴

Maximum Number of Source Volumes in a System	16
Maximum Number of Replication Pairs for a Source Volume	4
Maximum Number of Replication Pairs in a System	64

THIN PROVISIONING⁴

1. Standard functions are default available.
2. 128 snapshot images on EonStor DS G7 models; all other models support 1,024 snapshot images.
3. Advanced functions are available with optional license.
4. Available with optional license; not available on EonStor DS G7 models.



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