

EonStor DS - Data Services

EonStor DS systems support the mission-critical applications of small and medium businesses (SMB). They feature redundant hot-swappable hardware components, CacheSafe technology, and full RAID protection to deliver high fault-tolerant capabilities.

To protect data from major threats, EonStor DS systems support local and remote replication. By configuring the scheduler in SANWatch, users can automate replication tasks. In the event of human error or data volume failure, 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 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

AUTOMATED STORAGE TIERING

- Optimize storage performance and increase ROI by leveraging high speed SSD for expedited access to hot data while using affordable drives such as NL-SAS for archiving purposes

THIN PROVISIONING

- Allocate capacity dynamically to minimize large data volume underutilization and increase the benefit gained from investment in storage





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

AUTOMATED STORAGE TIERING⁴

Automated Storage Tiering	Yes
Maximum Number of Storage Tiers	2
Storage Tiers Based on Drive Type	Yes
SSD Support	Yes
Storage Tiers Based on RAID Level	Yes
Automated Data Migration with Scheduling Options	Yes

THIN PROVISIONING

“Just-in-time” capacity allocation optimizes storage utilization and eliminates allocated but unused storage space

- Standard functions are default available.
- 128 snapshot images on EonStor DS 3000 and EonStor DS G7i models; all other models support 1,024 snapshot images.
- Advanced functions are available with optional license.
- Available with optional license; remote replication is only available on EonStor DS 3000 models.
- Available with optional license; automated storage tiering is only available on EonStor DS 3000 models.



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Asia Pacific (Taipei, Taiwan)
 Infotrend Technology, Inc.
 Tel: +886-2-2226-0126
 E-mail: sales.ap@infotrend.com

Americas (Sunnyvale, USA)
 Infotrend Corporation
 Tel: +1-408-988-5088
 E-mail: sales.us@infotrend.com

US Central Office
 Tel: +1-847-984-9077
 E-mail: sales.us@infotrend.com

Europe (Basingstoke, UK)
 Infotrend Europe Ltd.
 Tel: +44-1256-305-220
 E-mail: sales.eu@infotrend.com

Germany (Munich)
 Infotrend Deutschland GmbH
 Tel: +49(0)89/20 70 42-650
 E-mail: sales.de@infotrend.com

China (Beijing)
 Infotrend Technology, Ltd.
 Tel: +86-10-63106168
 E-mail: sales.cn@infotrend.com

Japan (日本, 東京)
 Infotrend Japan, Inc.
 Tel: +81-3-5730-6551
 E-mail: sales.jp@infotrend.com