

www.sep.de/deduplication

Deduplication

SEP File Deduplication System (VA)

SEP FDS VA (SEP File Deduplication System Virtual Appliance, powered by FalconStor) is a block-level data deduplication and replication solution that provides a space-efficient repository for SEP sesam DataStores. SEP FDS VA can reduce your backup management costs by dramatically reducing your disk storage needs, data center power consumption (+ air conditioning costs), reducing your dependency on tape and reducing off site tape storage costs by enabling you to achieve longer retention periods on disk and facilitating replication of your backups to meet off-site requirements.

How it works

During deduplication, the system analyzes blocks of data and determines whether the data is unique or has already been copied to the SEP FDS VA repository. The process then passes only single instances of unique data to the SEP FDS VA repository and replaces each deduplicated file with a stub file, whose function is to point to the repository and is used to retrieve stored data.

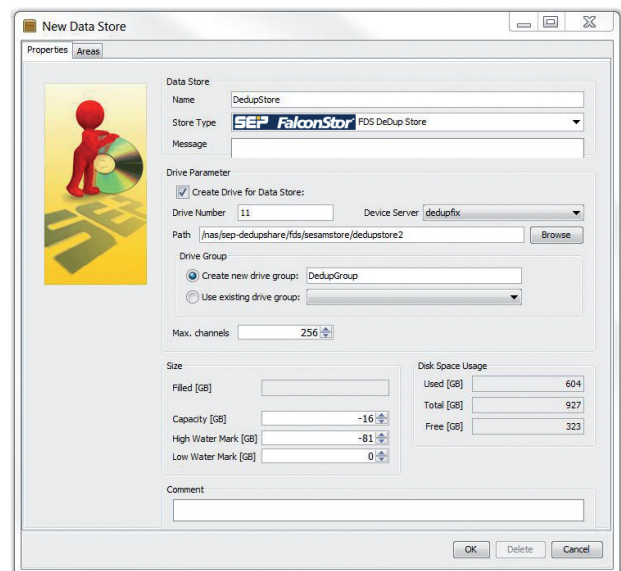
The SEP sesam Management Interface displays the backed up files in their real format to make the restore process usual simple. A reason for block-level type deduplication instead of a file-based deduplication is that a block-level solution examines small sub-blocks and this is making it far more effective at reducing storage consumption.

Full SEP sesam integration

SEP FDS VA comes with an internal SEP sesam Remote Device directly attached to the SEP sesam DataStore. This allows an unlimited number of parallel data streams to increase the backup speed tremendously.

Key Features

Deduplication	Concurrent block-level
Direct block-level access (restore)	✓
Multi Stream Backup integration	✓
Replication	block-level
Replication bandwidth savings (WAN)	up to 97%
Unique data only once transferred from remote site to data center	✓
Physical managed capacity	1 TB up to 64 TB
Disc storage savings	up to 1:24
SEP sesam Management Interface integration	✓
Scheduled deduplication	✓
SEP sesam Remote Device integration	✓
Eliminate tape backup	✓
Virtual Appliance	✓
Hypervisor support	VMware
Supported architectures	64 Bit
Evaluation	30 days



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