On- & Off-Site Data Protection in Open-E JovianDSS

What is it & how can you benefit?

On- & Off-site Data Protection is a solution that prevents data loss and corruption threats thanks to:

» Easy-to-use, efficient backups of mission-critical data
» Scalability and ability to store backups on separate servers on- and off-site to ensure maximum data security
» Instant disaster recovery with unparalleled flexibility – restore from 5 minutes ago or 2 years in the past if needed
» Provides data security and ensures Business Continuity in combination with a High Availability Cluster
On both local and off-site locations there are independent snapshot retention policies for:

- Creating new snapshots as often as 1 minute
- Keeping snapshots even for years without running out of space

**One software and native backup**
Built-in Enterprise-grade Backup and Disaster Recovery.

**Backup of everything**
All running virtual machines with applications and data even database backups are consistent.

**Solved problem of backup window**
Backup window reduced to minutes, only data changes are replicated every interval.

**Protection against Ransomware**
Very frequent snapshots with instant access to all data provide a quick way to roll-back to the state before a virus attack.

**Instant access to and restore of previous data versions**
Old images and data versions can be accessed / restored quickly. Via SMB every user has direct access to „Previous Versions“ without administrator help.

**Optional removal and rotation of backup media**
Thanks to Export/Import users can safely remove the backup media (disks) and rotate with other sets, or ship to another location.

**With On- & Off-site Data Protection both RPO and RTO can be counted in minutes.**
These parameters are among the best in the industry!
Choose your individual security level
The greater the importance of data in a company, the greater the required protection. With Open-E JovianDSS you are able to decide how much protection you need: from a simple Open-E JovianDSS production server to a combination of a production server with various backup options.

On-site Data Protection - LEVEL 1

On-site Data Protection - LEVEL 2

On-site Data Protection - LEVEL 3
On-site & Off-site Data Protection

On-site & Off-Site Data Protection + High Availability Cluster

= Maximum Data Security

On-site & Off-Site Data Protection
» Protects data by constantly backing it up and storing copies both locally and remotely
» Allows restoring data to a previous saved point in case of hardware failure or data corruption

High Availability Cluster
» Ensures business continuity by providing uninterrupted access to data even during hardware failures
» Maximizes utilization of hardware and network resources

On-site & Off-site Data Protection with HA

Risks | Counter measure | Restore time
---|---|---
Virus attack | Snapshots | Instant
Data corruption | Self-healing | Instant
Disk failure | RAID | Instant
Rebuild failure | Second RAID | Instant
System failure | Backup server | Instant
Natural disaster | Remote server | Instant
Theft | Remote server | Instant
Human error | Remote server | Instant
Downtime | None | None

» High-Availability Open-E JovianDSS production server
» Backup on local pool
» Backup on system in same location
» Backup on remote site