One Software for Data Storage,
Backup & Disaster Recovery

Open-E JovianDSS

On- & Off-Site Data Protection

in Open-E JovianDSS

What is it & how can you benefit?

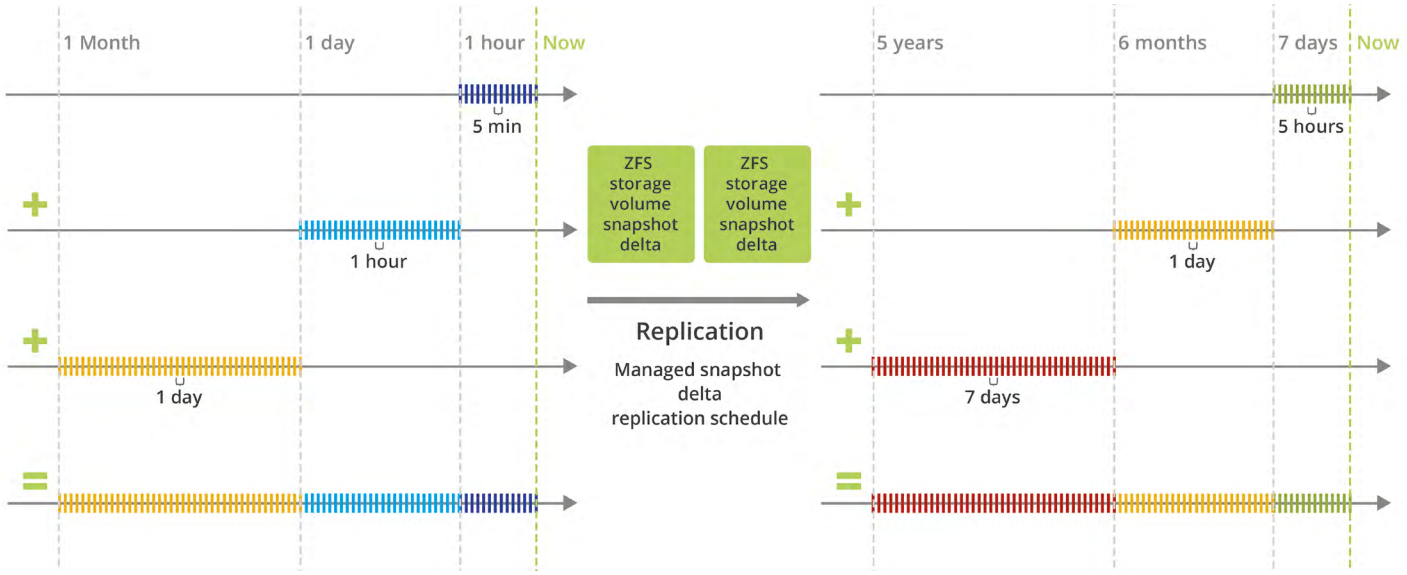
On- & Off-site Data Protection is a solution that prevents data loss and corruption threats thanks to:

- 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

How does it work?

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!

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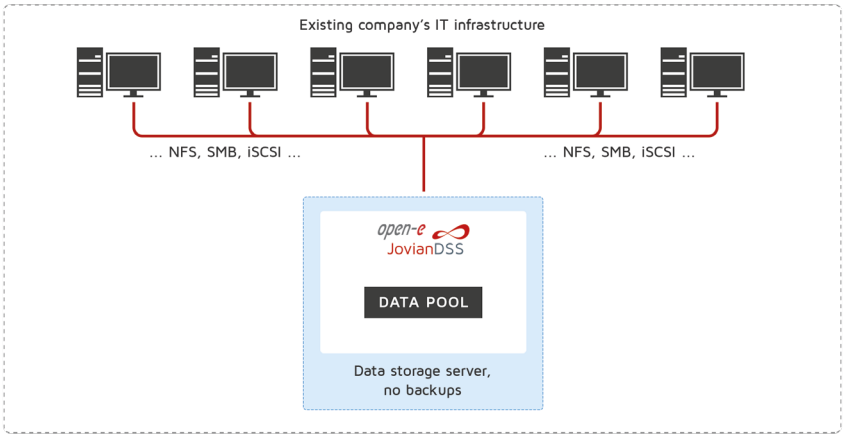
Choose your individual security level

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.

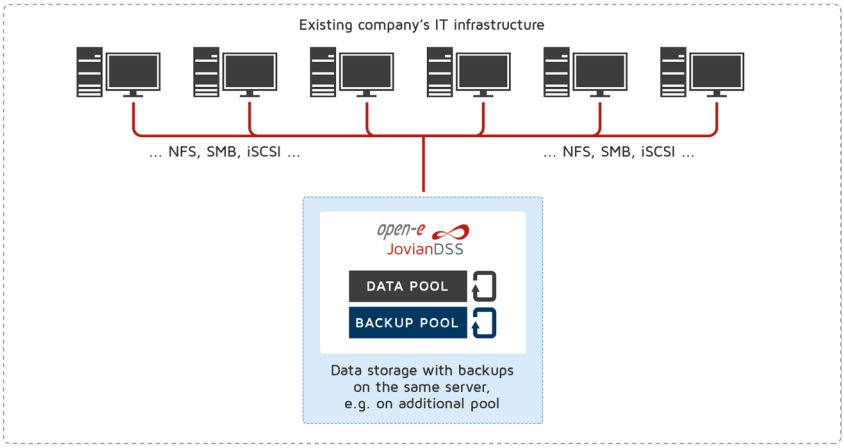
On-site Data Protection - LEVEL 1



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

» Open-E JovianDSS production server

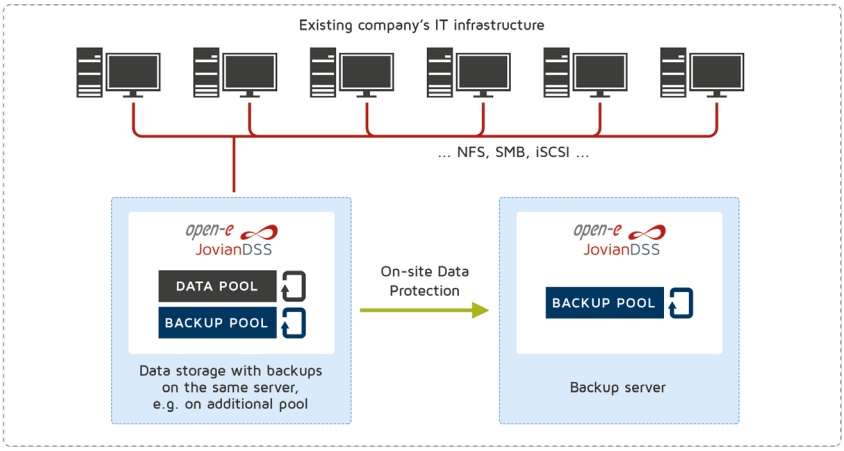
On-site Data Protection - LEVEL 2



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	None	None
Natural disaster	None	None
Theft	None	None
Human error	None	None
Downtime	None	None

» Open-E JovianDSS production server
» Backup on local pool

On-site Data Protection - LEVEL 3



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	None	None
Theft	None	None
Human error	None	None
Downtime	None	None

» Open-E JovianDSS production server
» Backup on local pool
» Backup on system in same location

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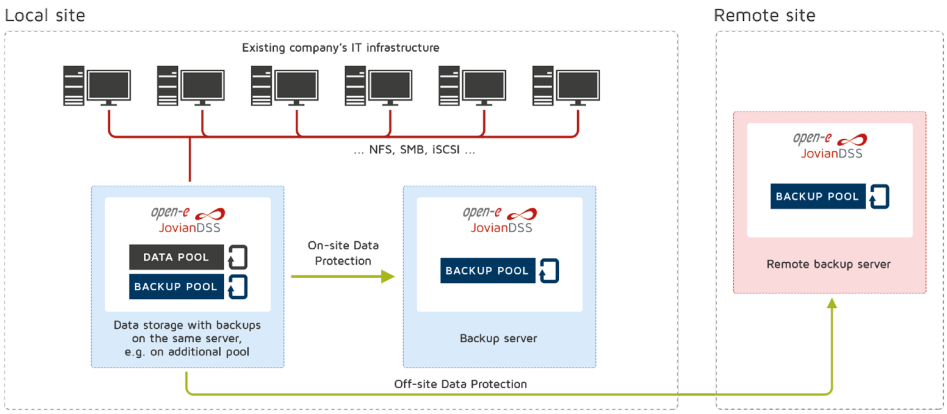
On-site & Off-site Data Protection



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

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

On- & Off-Site Data Protection + High Availability Cluster = Maximum Data Security

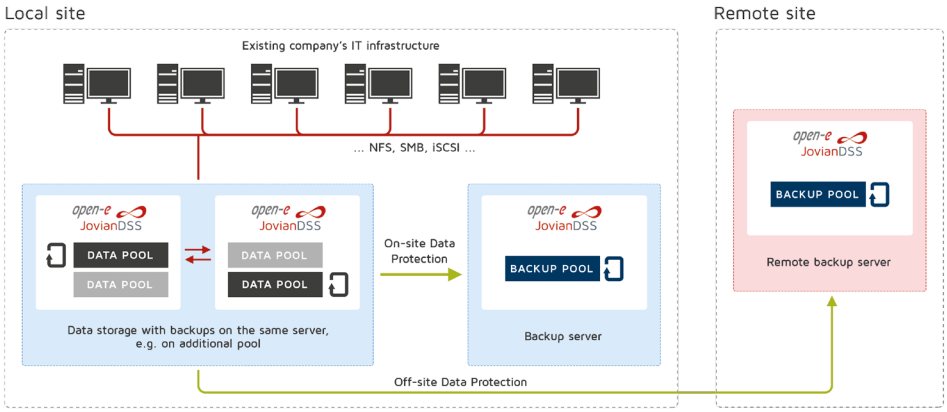
On- & Off-Site Data Protection

- » 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	High Availability	Instant

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

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