

# **Step-by-Step Guide**

## How to Backup your data residing on Open-E DSS V7

# to iSCSI Target Volume over a LAN

Software Version: DSS ver. 7.00 up56

Presentation updated: March 2016



#### **Sample Configuration**

This document will explain how to Backup to a remote iSCSI Target Volume over the LAN. Two DSS V7 systems are required with RAID Arrays.

Backing up to an iSCSI Target Volume over the LAN uses two of the features built into the Open-E DSS V7:

- Local Backup (as a remote iSCSI Target is used for the backup destination, the backup data saved in remote server),
- Restore.

An example of the configuration:

- First Array RAID on the DSS1 is for live data on volume group DATA (vg00),
- Second RAID Array on DSS2 is for backup as volume group BACKUP (vg01) configure on the iSCSI Target Volume.

Setup Backup :

Backup schedule is set every day with a 8 weeks retention time for "DATA" share.

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#### Recommended Resources

- Hardware (two systems requires):
  - ✓ x86 compatible
  - ✓ RAID Controller
  - 🗸 HDD's
  - ✓ Network Interface Cards
- Software
  - Two Open-E DSS V7
  - Backup functions are built in the Open-E DSS V7 (without additional requirements of hardware)
- Benefits
  - Data Redundancy over a LAN

#### To set up backup to iSCSI Target Volume over a LAN, perform the following steps:

- **1**. Hardware configuration (see the next slide)
- 2. Configure Destination Node:
  - Create a Volume Group, iSCSI volume and target on the DSS2,
- 3. Connect iSCSI target Volume using iSCSI Initiator
  - On DSS 1, connect iSCSI target Volume from DSS2 using iSCSI Initiator on DSS1
- 4. Configure the Local Backup (on Source Node)
  - Create two Volume Groups (vg00 and vg01) on DSS1
  - Create NAS volume and snapshot,
  - Enable Local backup function
  - Create Backup Task with Shedule
- 5. Create the Restore from Backup

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#### 1. Hardware configuration



















































































































4. ... **Continue** 

After the DSS V7 WEB page has been reloaded, the new Backup tasks should appear. Next, click <u>BackupTask001</u>, in the "Backup tasks" tree.

Data Server (DSS1)

IP Address: 192, 168, 0, 220

Source node

In the Create new schedule for backup task function, enter a Comment for the new schedule and Select time. In this example choose Weekly and check the box for all of days of the week. Select time for the start task (8 pm). Next, click the apply button.















Tape002

Tape003

Tape004



File

File

File

17/03/2016 22:54

17/03/2016 22:55

1 KB

1 KB

1 KB

#### 4. ... Continue

After the end of the Backup all data from **Data** share are located in one file **Tape001**.

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Data Server (DSS1)

IP Address: 192.168.0.220

Source node

4 items

8==





Data Server (DSS1) Source node IP Address:192.168.0.220

#### 5. Create the Restore from Backup

Under the "CONFIGURATION" tab, select the "NAS resources" menu and "Shares".

In order to execute the Restore, you must create new share. In the example, a shared volume named Restore from Backup is to be created on Iv0000.

Shares 🔅	? Create new share	© C
E 1. Backup of Data	Name:	Restore from Backup
<ul> <li>2. backup_db_lv0100</li> <li>3. Data</li> </ul>	Comment:	
	Default path:	/w0000/Restore from Backup
Users 🗱	? O Specified path:	1
		apply Please apply changes or press "reload" button to discard
Groups 😽	ACL (Access control list)	್ಷೇ C
E 1. users	Browser Users & Groups Av	ccess Permissions
	Selection:	
	Filter	⇒







open-e	Data Server (DSS1) Source node IP Address:192.168.0.220	SETUP You are here: Ma	OPCID-C ENTERPRISE CLASS : CONFIGURATION MAINTENAM	STORAGE OS for EVERY BUSINESS	DATA STORAG	GE SOFTWARE V7		
5 Continue		Restore tas	ks 🗱 ? Eask001	Backup Restore tasks Name RestoreTask001	Start time 2016-03-19 21:04:51	C ? Action		
After the end of the Resto <b>Restore tasks</b> , you will st	ore Backup in <b>Backup</b> art the task again.			Restore backup task  Info Backup restore in progress. Please	wait for backup restore process to finish.	<u>ି</u> ୯ ?		
After clicking Subtrom Restore task, detailed int current restore task will b	on the <b>Backup</b> formation regarding be presented.							
		🚖 Event Vie	wer					
			Data Storage Software V7 - All rights reserved					















# Thank you!





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