

Step-by-Step Guide

Backup to attached Tape Drive using Open-E DSS V7

Software Version: DSS ver. 7.00 up54

Presentation updated: February 2016



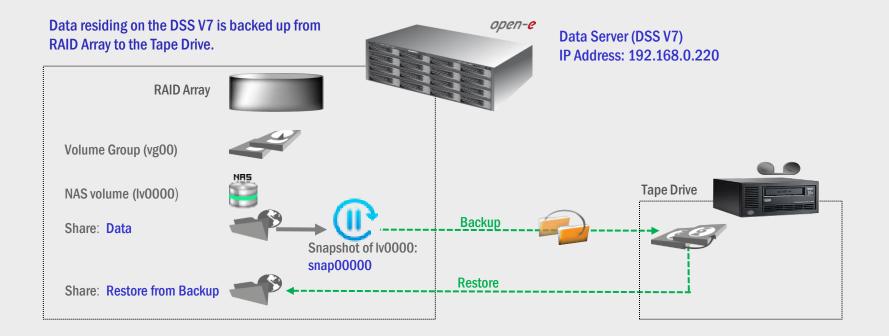
To set up a backup to an attached Tape Drive, perform the following steps:

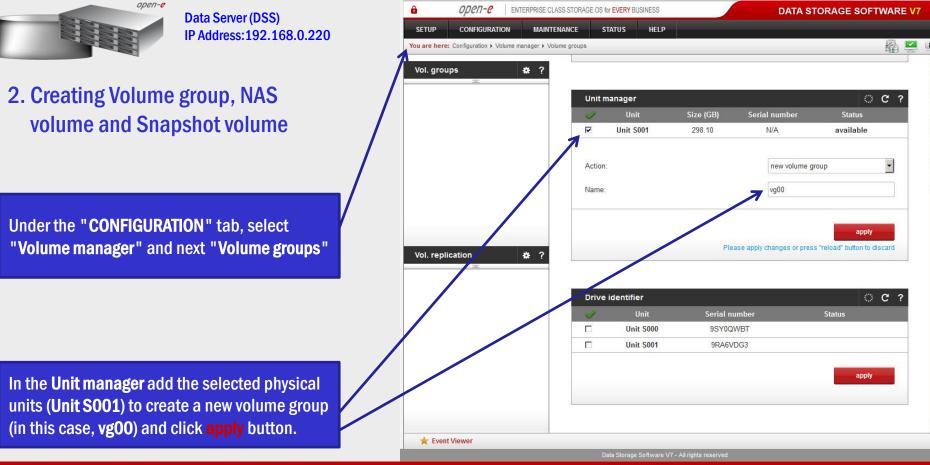
1. Hardware configuration

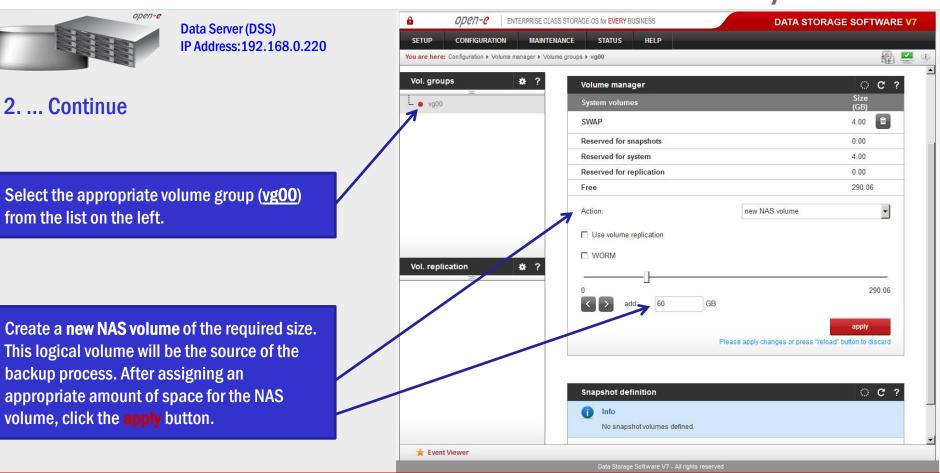
- 2. Creating Volume group, NAS Volume and snapshot
- **3.** Configure the Backup to use with a Tape Drive
- 4. Create the Restore from Backup



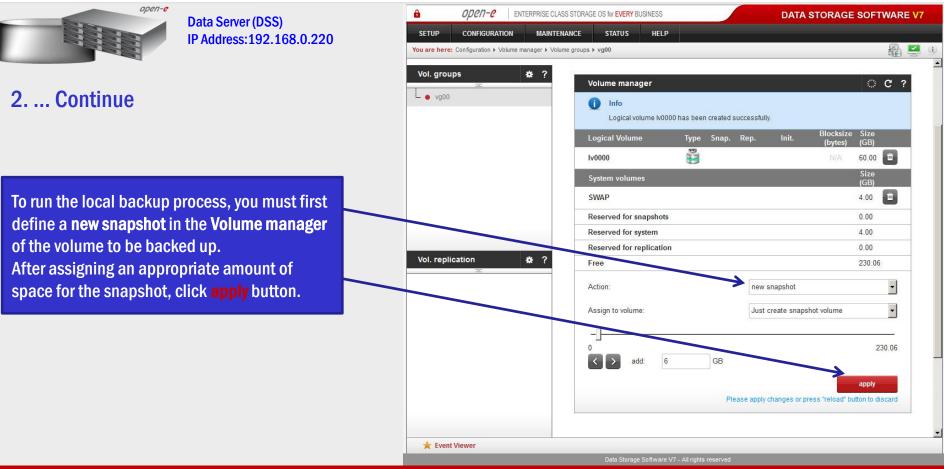
1. Hardware configuration







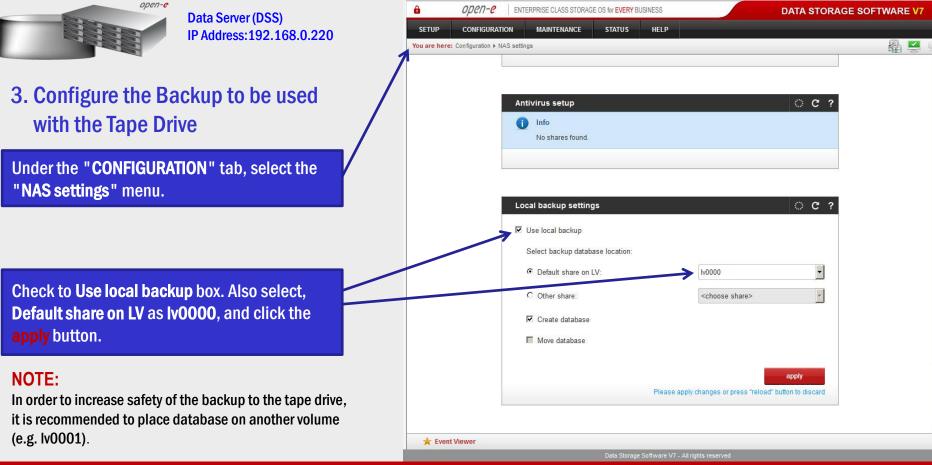


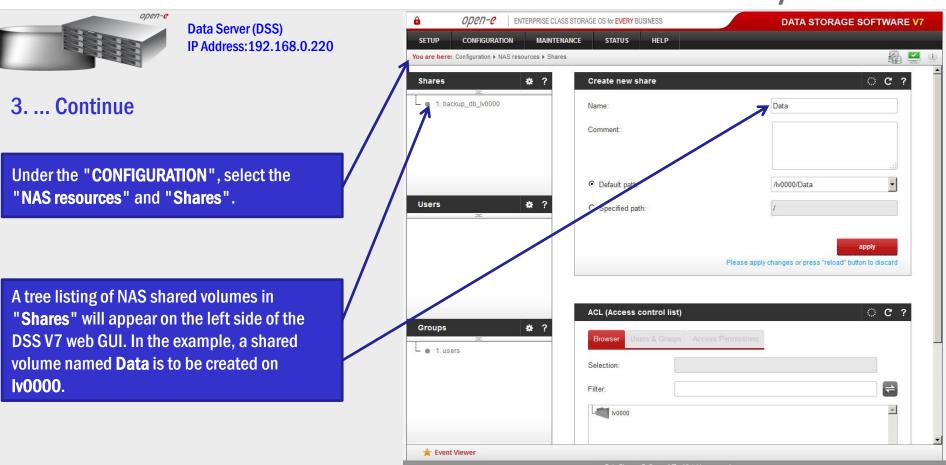


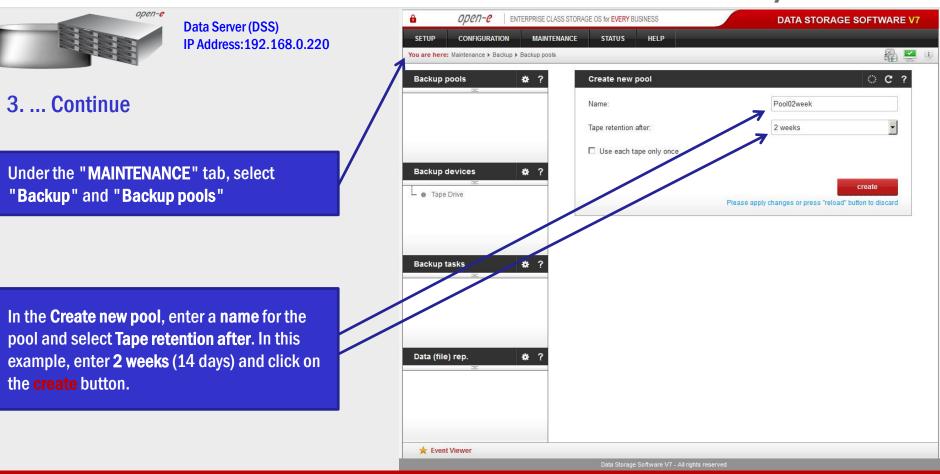
| | Data Server (DSS) | Open-e ENTERPRISE C | CLASS STORAGE OS for EVERY BUSINESS | DATA STORAGE SOFTWARE V |
|----------------------|---|--|---|--|
| | IP Address: 192.168.0.220 | SETUP CONFIGURATION MAINT | TENANCE STATUS HELP | |
| | | You are here: Configuration > Volume manager > V | | |
| | | Vol. groups 😽 ? | Reserved for snapshots | 6.00 |
| | | voi. groups 😽 i | Reserved for system | 4.00 |
| Continue | | L 💿 vg00 | Reserved for replication | 0.00 |
| | | | Free | 224.06 |
| | | | Action: | new NAS volume |
| | | | Use volume replication | |
| | | | WORM | |
| | | | 1 | |
| | | | | |
| | | | 0 | 224.06 |
| : | a lasta luciuma ta ba | | 0 A add: 0.00 GB | 224.06 |
| | ne logical volume to be | | | |
| | ne logical volume to be uple - Iv0000) and click | Vol. replication 🚸 ? | | 224.06 apply |
| ked up (in this exam | | Vol. replication * ? | | |
| | | Vol. replication 😽 ? | | |
| ked up (in this exam | | Vol. replication * ? | | |
| ked up (in this exam | | Vol. replication * ? | A add: 0.00 GB | apply |
| ked up (in this exam | | Vol. replication ** ? | Snapshot definition | apply |
| ked up (in this exam | | Vol. replication * ? | Snapshot definition | apply C ? LV Status |
| ked up (in this exam | | Vol. replication * ? | Snapshot definition | apply C ? LV Status |
| ked up (in this exam | | Vol. replication * ? | Snapshot definition Name Snap00000 N000 | apply C ? LV Status unused |
| ked up (in this exam | | Vol. replication * ? | Snapshot definition Name Snap00000 N000 | apply C ? LV Status unused apply |

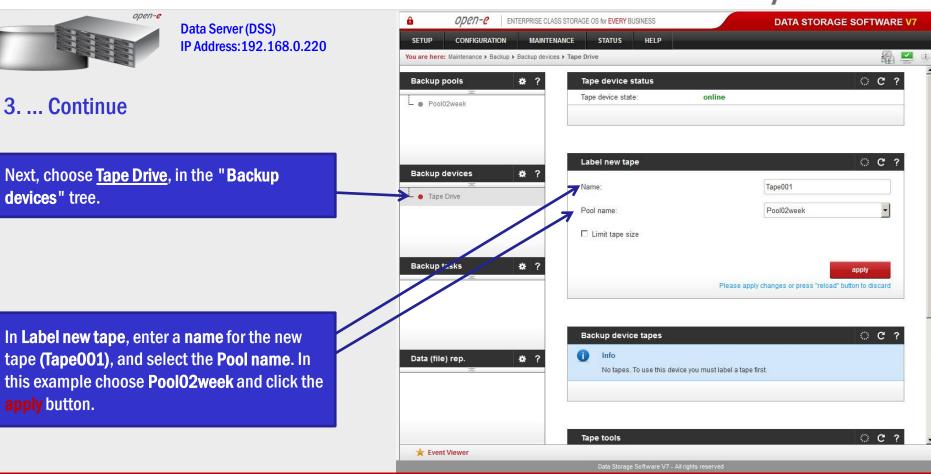
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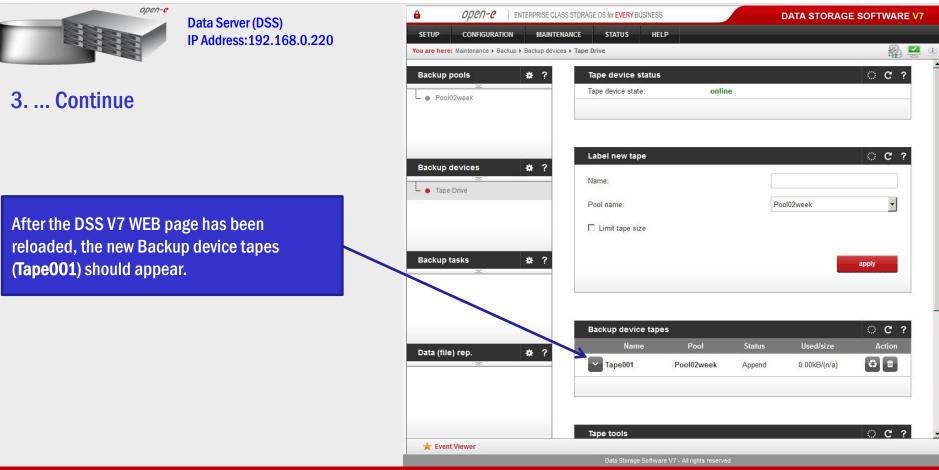


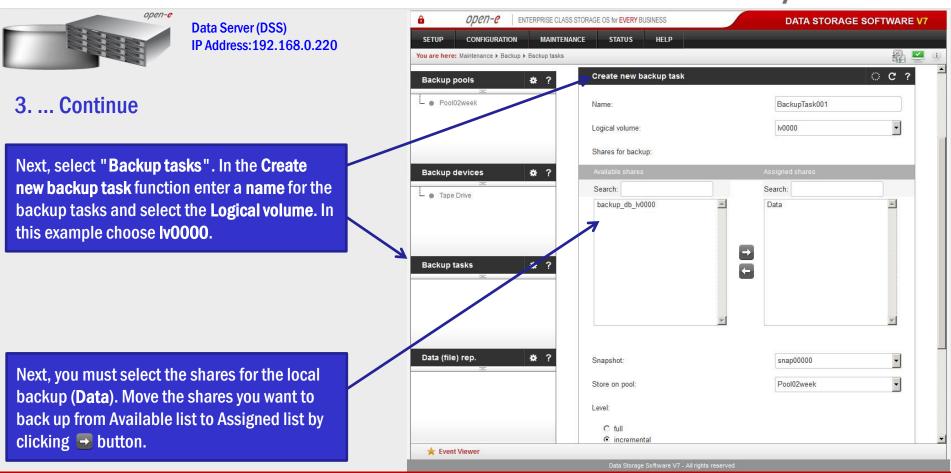


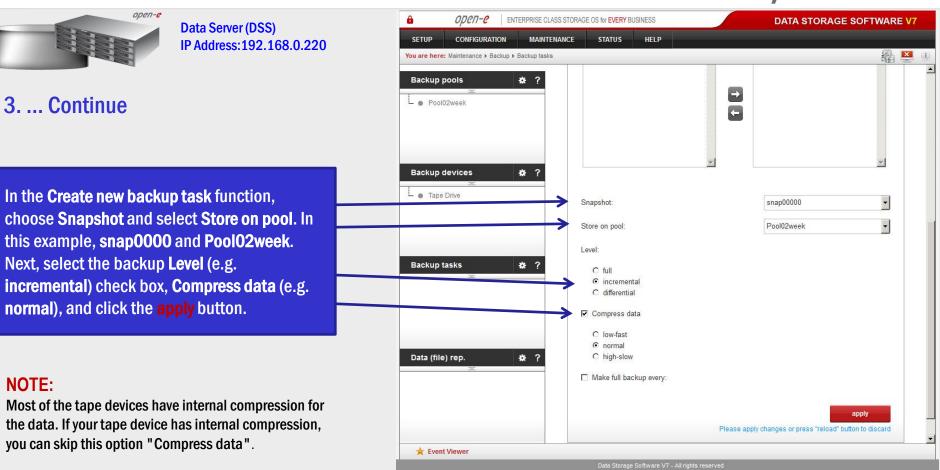


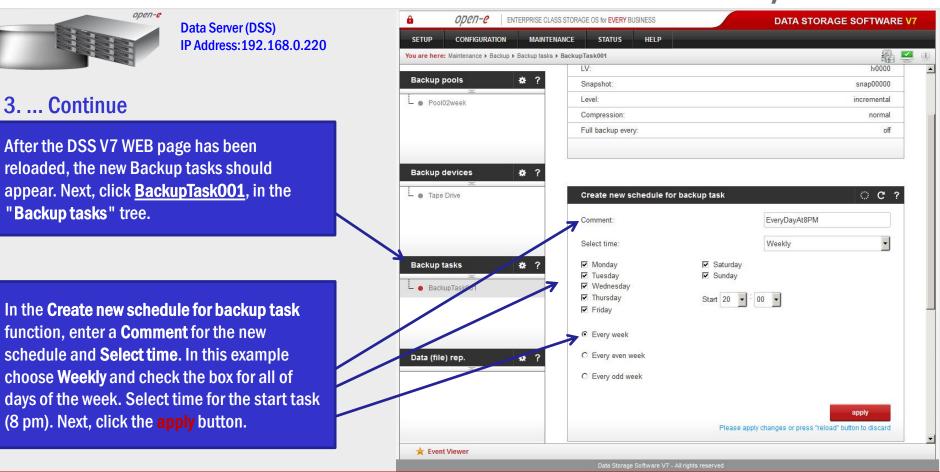












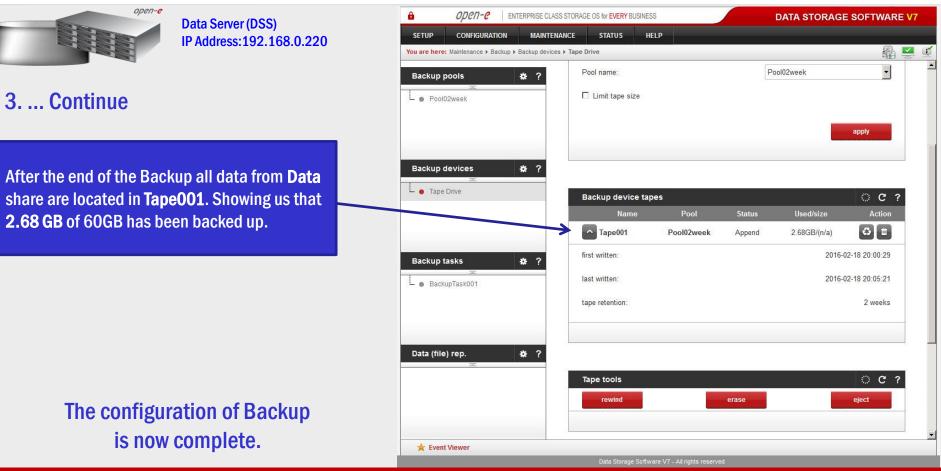
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| open-e | Data Server (DSS) | Den-e enterprise | CLASS STORAGE OS for EVERY BUSINESS | DATA STOR | AGE SOFTWARE V7 |
| A CONTRACTOR OF THE OWNER OWNER OWNER OF THE OWNER OWN | IP Address:192.168.0.220 | | ITENANCE STATUS HELP | | |
| | | You are here: Maintenance Backup Backup ta | sks | | 🛱 💆 |
| | | Backup pools 🗱 ? | Backup tasks | | o C ? |
| Continue | | Pool02week | Name | Start time | Action |
| | | | BackupTask001 | n/a | |
| | | | last log | No logs found. | |
| ter clicking 🖻 button i | in the Bookup tacks | | short description | | |
| en en la seconda de la sec | | Backup devices 🔅 ? | shares: | | Data |
| nction you can see stat | tus of the backup | Tape Drive | pool: | | Pool02week |
| sks. | | | level: | | incremental |
| | | | | | |
| | | Backup tasks 🔅 ? | | | 1 |
| | | E BackupTask001 | 2 | | |
| | | | Create new backup task | | 0 C ? |
| | | | Name: | | |
| | | | Logical volume: | Iv0000 | - |
| | | Data (file) rep. 🗱 ? | | | |
| | | | Shares for backup: | | |
| | | | Available shares | Assigned shares Search: | |
| | | | Data | Search. | |
| | | | backup_db_lv0000 | | |
| | | 🚖 Event Viewer | | | |
| | | | Data Storage Software V7 - All rights r | reserved | |

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|----------------------------------|--------------------------|---|--|---|---|--|
| open-e | Data Server (DSS) | OPCN-C ENTERPRISE CLASS STORA SETUP CONFIGURATION MAINTENANCE | AGE OS for EVERY BUSINESS | DATA STORAGE SOFTWARE V | 7 | |
| | IP Address:192.168.0.220 | You are here: Maintenance > Backup > Backup tasks | STATUS | 🛱 💆 🗹 | | |
| 3 Continue | | Backup pools * ? | Backup tasks Name BackupTask001 | Start time Action 2016-02-18 20:00:04 | | |
| The Backup tasks function | on shows the backup | | last log 2016-02-18 20:00:26 short description | start | | |
| task running at 8 pm. | | Tape Drive | shares: pool: | Data Pool02week | | |
| | | Backup tasks 🗱 ? | level: | incremental | | |
| | | | Create new backup task | 0 C ? | | |
| | | Data (file) rep. 🔅 ? | Name: Logical volume: | 10000 T | | |
| | | | Shares for backup: Available shares Search: | Assigned shares Search: | | |
| | | 📩 Event Viewer | Data | 2 | • | |
| | | | | | | |

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| open-e | Data Server (DSS) | â | open- <mark>e</mark> | ENTERPRISE CLASS STOR | AGE OS for EVERY BUSINESS | | DATA S | TORAGE S | OFTWARE V7 | |
| | IP Address:192.168.0.220 | SETUR You are 1 | P CONFIGURATION | MAINTENANCE | STATUS HELF | | _ | | £ 2 | đ |
| | | Tasks | 5 | ₩ ? | Running tasks | | | | 0 C ? | |
| 3 Continue | | | = Backup | | Name | | Туре | Start ti | | |
| of in continue | | -•• | Restore from backup | | BackupTask001 | | Backup | 2016-02-18 2 | (0:00:04 | |
| | | | Data (File) Replication Antivirus | | | | | | | |
| Under the "STATUS" tab | , select " Tasks " and | | Volume Replication | | | | | | 37 C C | |
| Backup. | | L | Snapshots | | Tasks log Time | Name | Туре | Status | C ? | |
| | | | | | 2016-02-18 20:00:26 | BackupTask001 | Backup | ОК | Started | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Runnings tasks tab displ | | | | | | | | | | |
| currently running tasks, i | n this case shows | | | | | | | | | |
| BackupTask001. | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | ★ E | Event Viewer | | | | | _ | _ | |
| | | | | | Data Storage Software | e V7 - All rights reserved | | | | |

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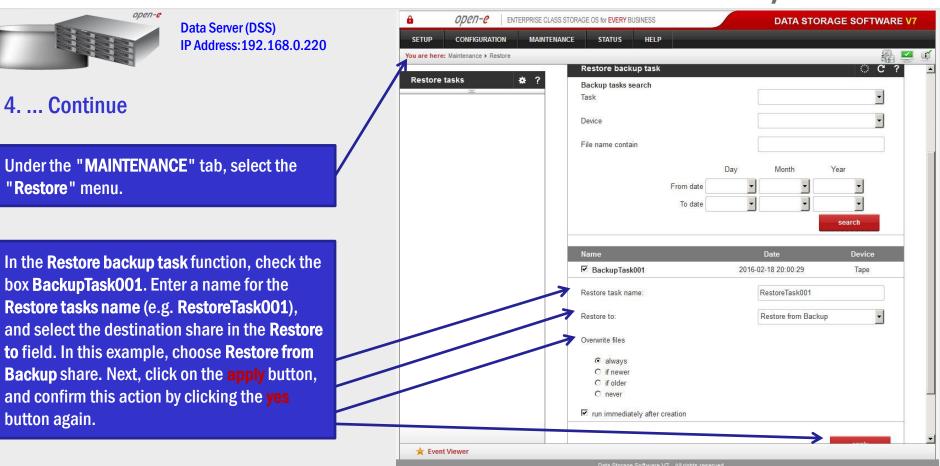
Data Server (DSS) IP Address:192.168.0.220

4. Create a Restore from the 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 | ि с 1 |
|---|----------------------------|---|
| 1. backup_db_lv0000 2. Data | Name: | Restore from Backup |
| | Comment: | a |
| | Default path: | /lv0000/Restore from Backup |
| Users 🌞 | C Specified path: | 1 |
| L • 1. john | | apply Please apply changes or press "reload" button to discard |
| Groups 🔆 | ACL (Access control list) | 0 C ? |
| | Browser Users & Groups Acc | cess Permissions |
| • 1. users | | |
| | Selection: | |
| | Selection: | ₹ |



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|------------------------------------|-----------------------------|---------|---------------------|--|--|
| open-e | Data Server (DSS) | â | OPCN-C ENTERPRISE | CLASS STORAGE OS for EVERY BUSINESS | DATA STORAGE SOFTWARE V7 |
| | IP Address: 192.168.0.220 | SETUP | CONFIGURATION MAIL | NTENANCE STATUS HELP | R. 💌 X |
| | | | | | |
| | | Restore | | Backup Restore tasks Name | Start time Action |
| 4 Continue | | L • Res | toreTask001 | RestoreTask001 | 2016-02-18 20:23:27 |
| | | | | last log | |
| | | | | 2016-02-18 20:23:30 | start |
| After the end of the Rest | ore Backup in Backup | | | short description device: | Таре |
| Restore tasks , you will st | | | | destination share: | Restore from Backup |
| Nostoro tusks, you will st | | | | backup tasks: | BackupTask001 (2016-02-18 20:00:29) |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | Restore backup task | 0 C ? |
| After clicking 🔄 button | on the Backup | | | Info Backup restore in progress. Please w | rait for backup restore process to finish. |
| Restore task, detailed in | formation regarding | | | | |
| current restore task will b | pe presented. | | | | |
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| | | | | | |
| | | 🚖 Ever | t Viewer | | |
| | | | | Data Otraca Octover 1/7 All data and | |

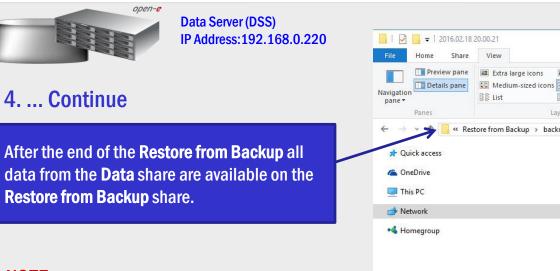
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| | Backup to attach | ed Tape Drive | | open- <mark>e</mark> |
|--|---|--|--|--------------------------|
| ext, click on the <u>Restor</u> | Data Server (DSS) IP Address:192.168.0.220 | OPCN-C ENTERPRISE CLASS SETUP CONFIGURATION MAINTENA You are here: Maintenance > Restore > Restore Task00 Restore tasks *? Restore Task001 | | DATA STORAGE SOFTWARE V7 |
| | | | Remove restore task | С ? гетоvе |
| n the Restore tas k, to di nformation on the curre | | | | |
| | | 🚖 Event Viewer | | |
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|--|---|---|
| Data Server (DSS) IP Address:192.168.0.220 | OPCIT-C ENTERPRISE CLASS STORAGE OS for EVERY BUSINESS SETUP CONFIGURATION MAINTENANCE STATUS HELP You are here: Status > Tasks > Restore from backup Tasks X* Running tasks | DATA STORAGE SOFTWARE V7 |
| 4 Continue | A Provide Action of the second s | Type Start time Restore from backup 2016-02-18 20:23:27 |
| Under the "STATUS" tab, select the "Tasks" menu. Next, in the "Tasks" tree on the left select <u>Restore from backup</u> . | O Data (File) Replication Antivirus Volume Replication Snapshots Time Name 2016-02-18 20-23:30 RestoreTask | C ? Type Status Action 001 Restore from backup OK Started |
| Running tasks tab displays information for currently running tasks, in this case about RestoreTask001. | ★ Event Viewer Data Storage Software V7 - All rights | reserved |

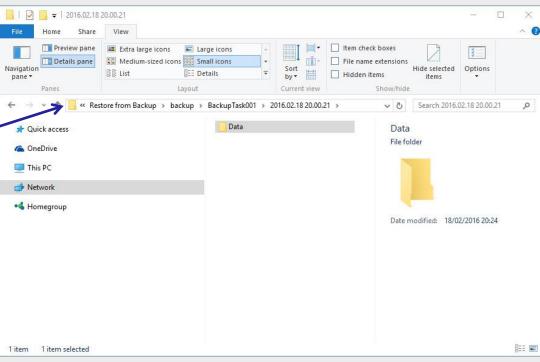




NOTE:

In case you restore data from more than one backup you need to merge data from all backup folders (starting from the oldest one) to a single data set.

The configuration of the Restore from Backup is now complete.





Thank you!





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