Step-by-Step Guide

How to Connect a DSS V7 to another DSS V7 with an iSCSI Target Volume

Software Version: DSS ver. 7.00 up57

Last update: June 2016

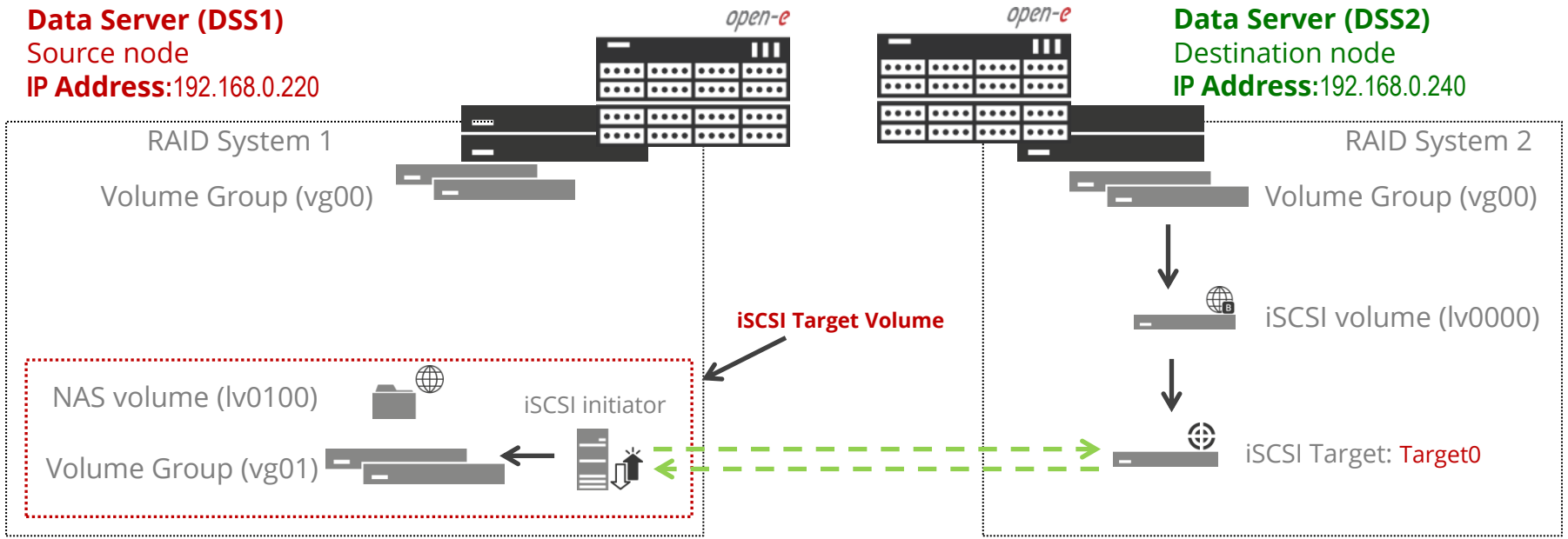
The aim of this document is to demonstrate how to Connect to an iSCSI Target Volume from DSS V7. It shows in step-by-step, how to set up DSS V7 and connect to another DSS V7 with an iSCSI Target Volume.

To connect to an iSCSI Target Volume over a LAN, between two DSS V7 systems, perform the following steps:

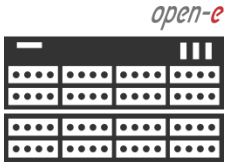
1. Hardware configuration
   - Configure Destination Node:
2. Create a Volume Group, iSCSI volume and target on the DSS2,

3. Connecting iSCSI target Volume using iSCSI Initiator on DSS1
   - Connect to iSCSI target Volume from DSS2 using iSCSI Initiator on DSS1
4. Create a Volume Groups (vg01), on DSS1

1. Hardware configuration



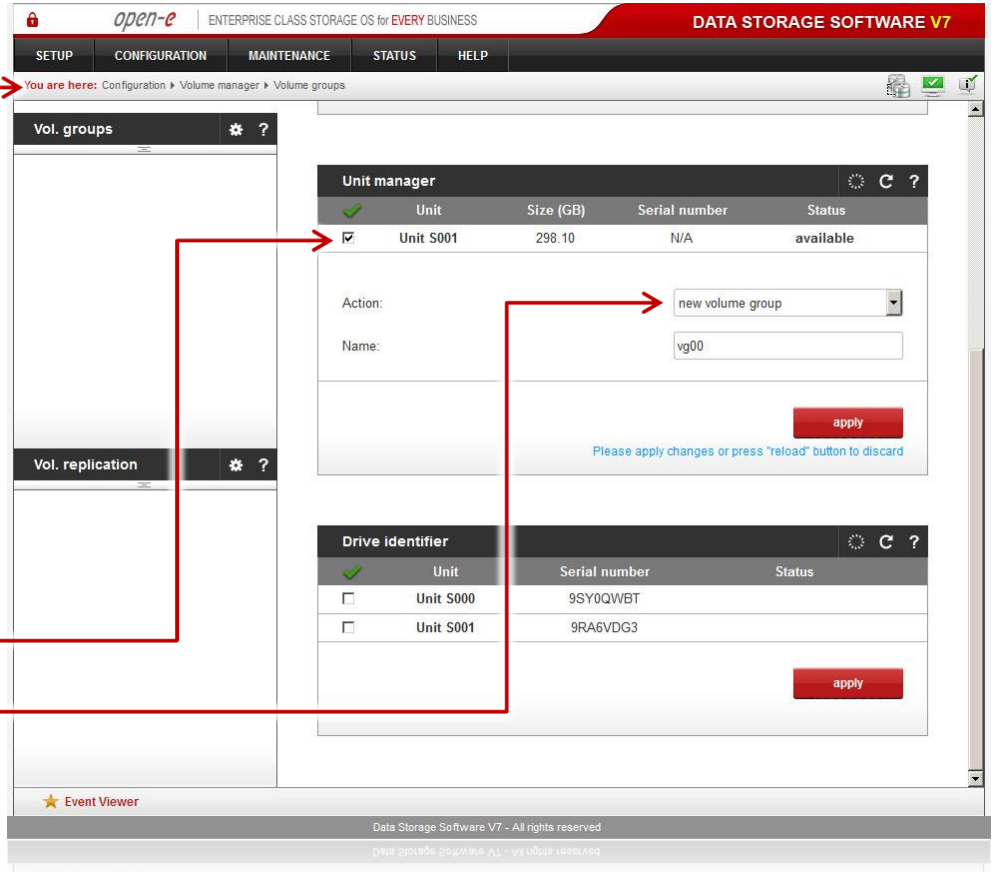
2. Configure DSS V7



Data Server (DSS2)
Destination node
IP Address: 192.168.0.240

Under the "**CONFIGURATION**" tab, select "**Volume manager**" and next "**Volume groups**".

In the **Unit manager** add the selected physical units (**Unit S001**) to create a **new volume group** (in this case, **vg00**) and click **apply** button.



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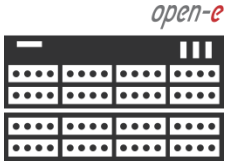
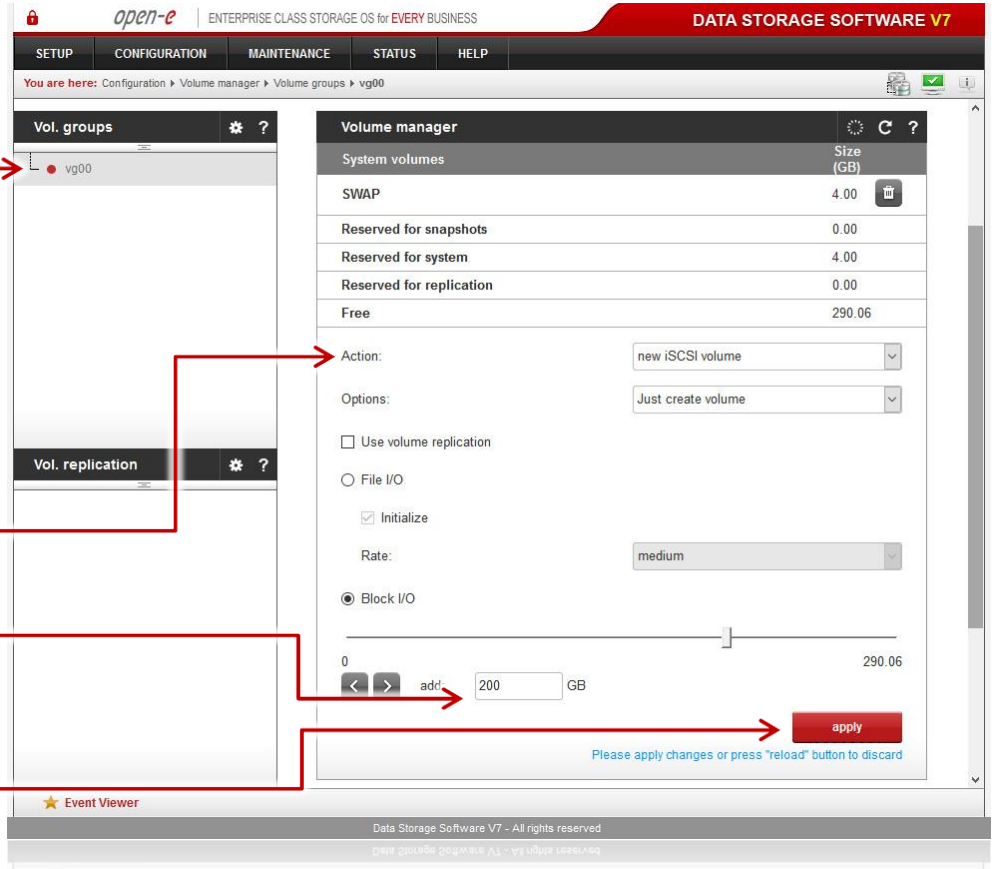


Data Server (DSS2)
Destination node
IP Address: 192.168.0.240

Select the appropriate volume group (**vg00**) from the list on the left. In **Action** select a **new iSCSI volume** of the required size. This logical volume will be the iSCSI Target .

Select the appropriate volume. Next , select the required size of iSCSI volume. In this eg. Adding 200 GB for the iSCSI volume. After assigning an appropriate amount of space for the iSCSI volume, click the **apply** button.



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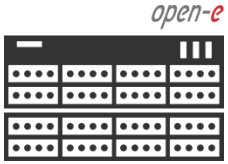
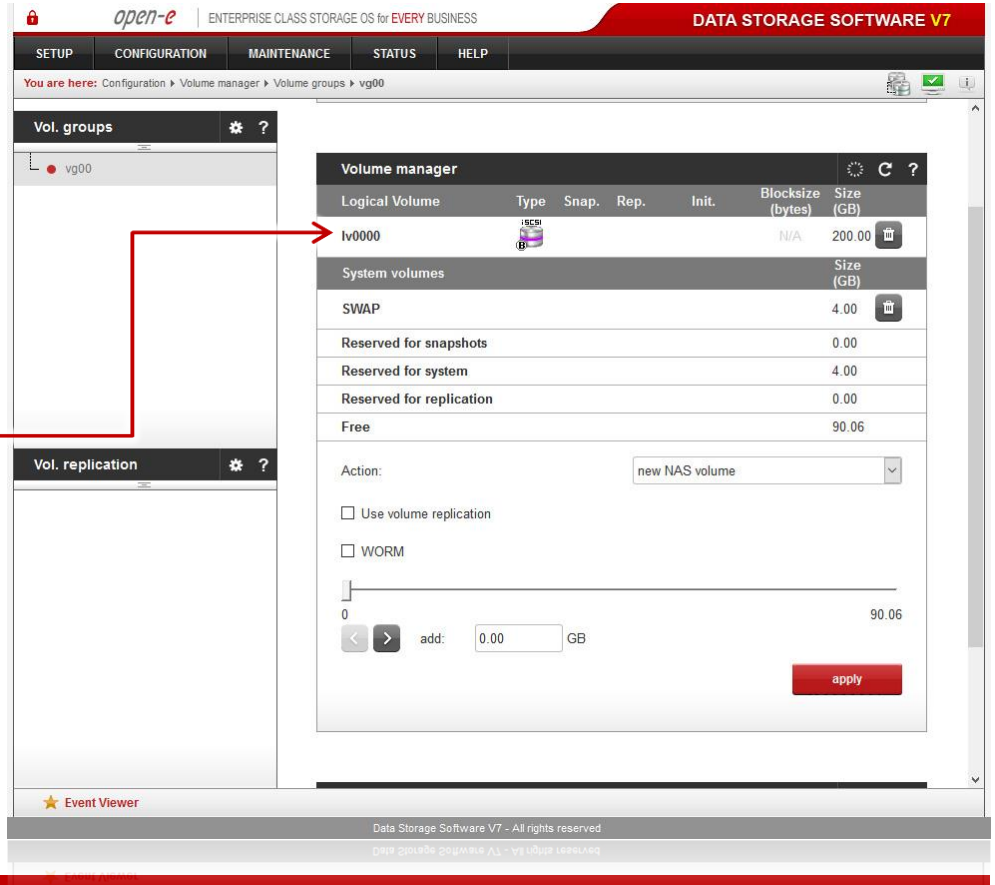


Data Server (DSS2)
Destination node
IP Address: 192.168.0.240

The destination iSCSI Volume Block I/O is now configured.



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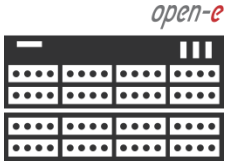
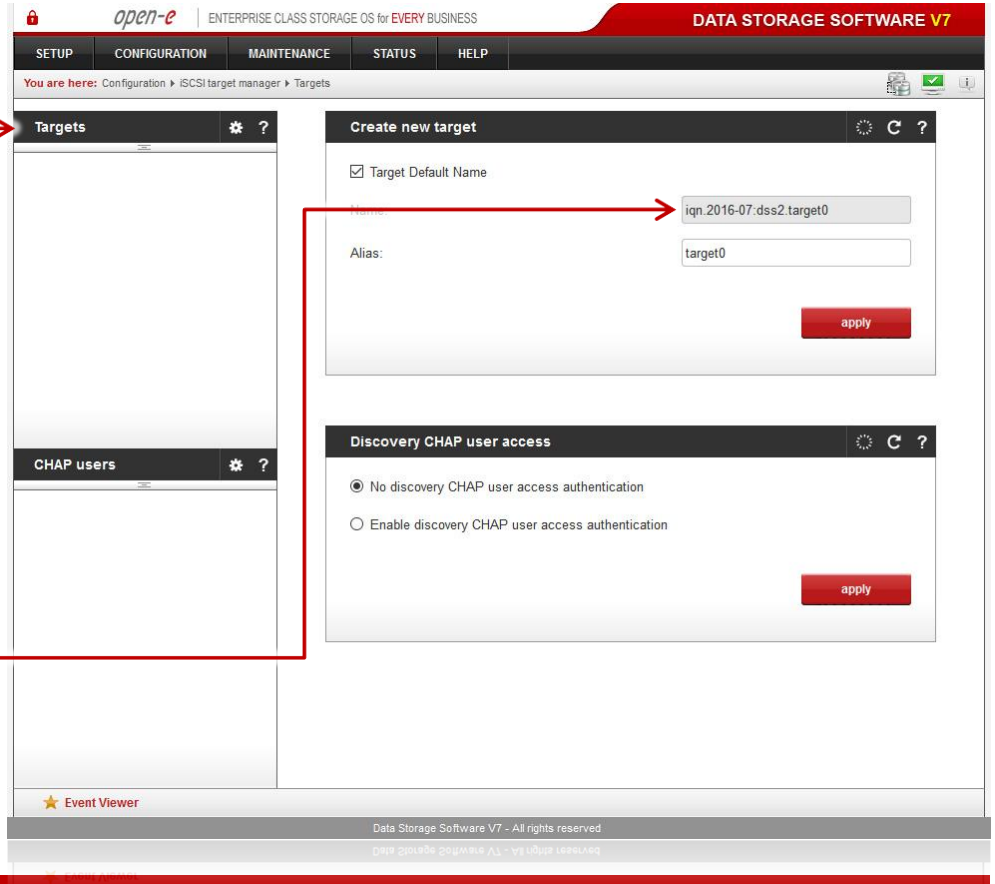


Data Server (DSS2)
Destination node
IP Address: 192.168.0.240

Choose "**CONFIGURATION**", "**iSCSI target manager**" and "**Targets**" from the menu.

In the **Create new target**, click the **apply** to confirm.



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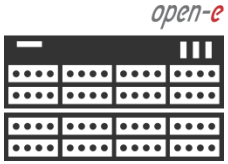
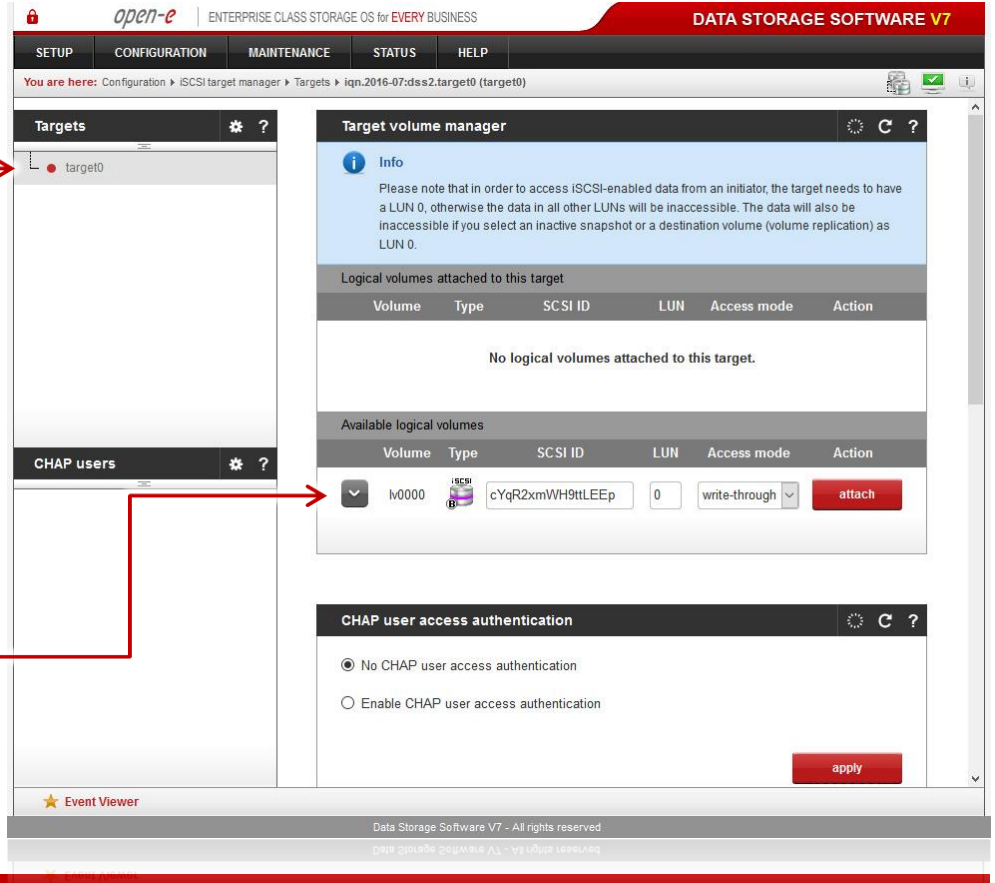


Data Server (DSS2)
Destination node
IP Address: 192.168.0.240

Select **target0** within the **Targets field**.

To assign a volume to the target, click the **attach** button located under **Action**.



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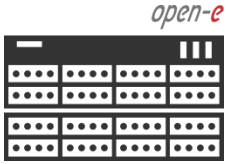
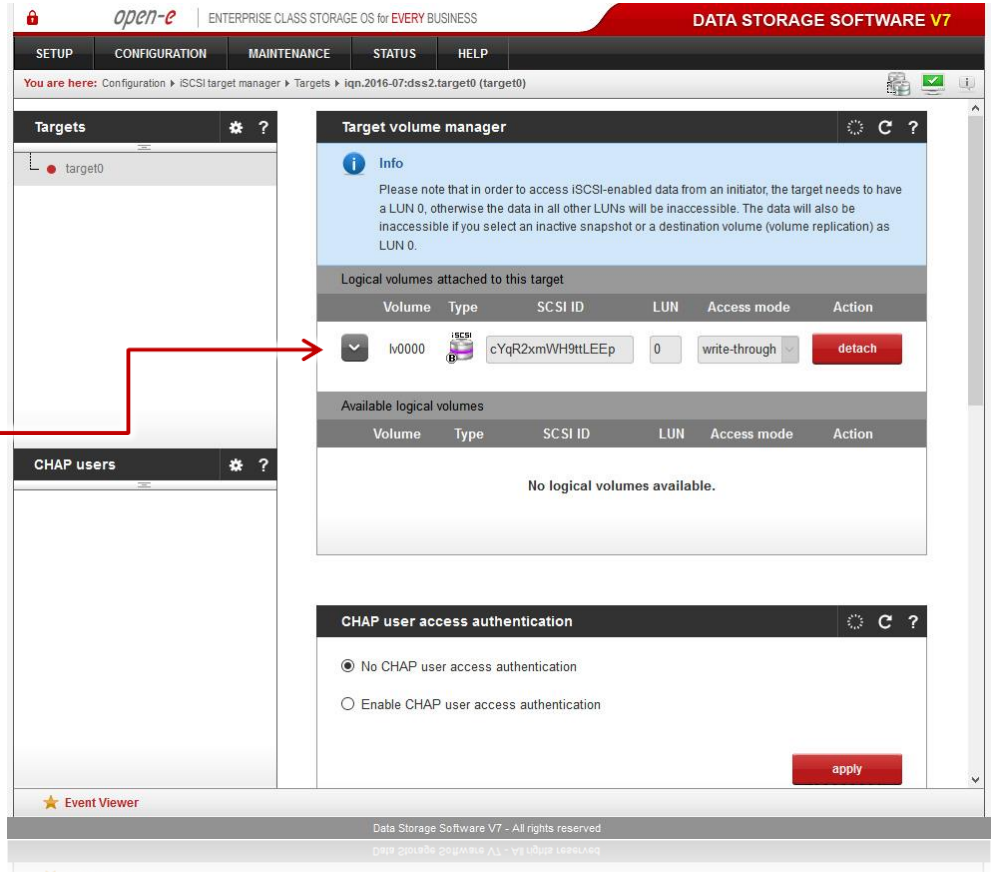
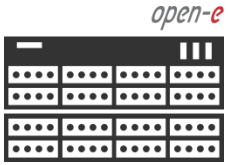


Data Server (DSS2)
Destination node
IP Address: 192.168.0.240

The destination iSCSI target is now configured.

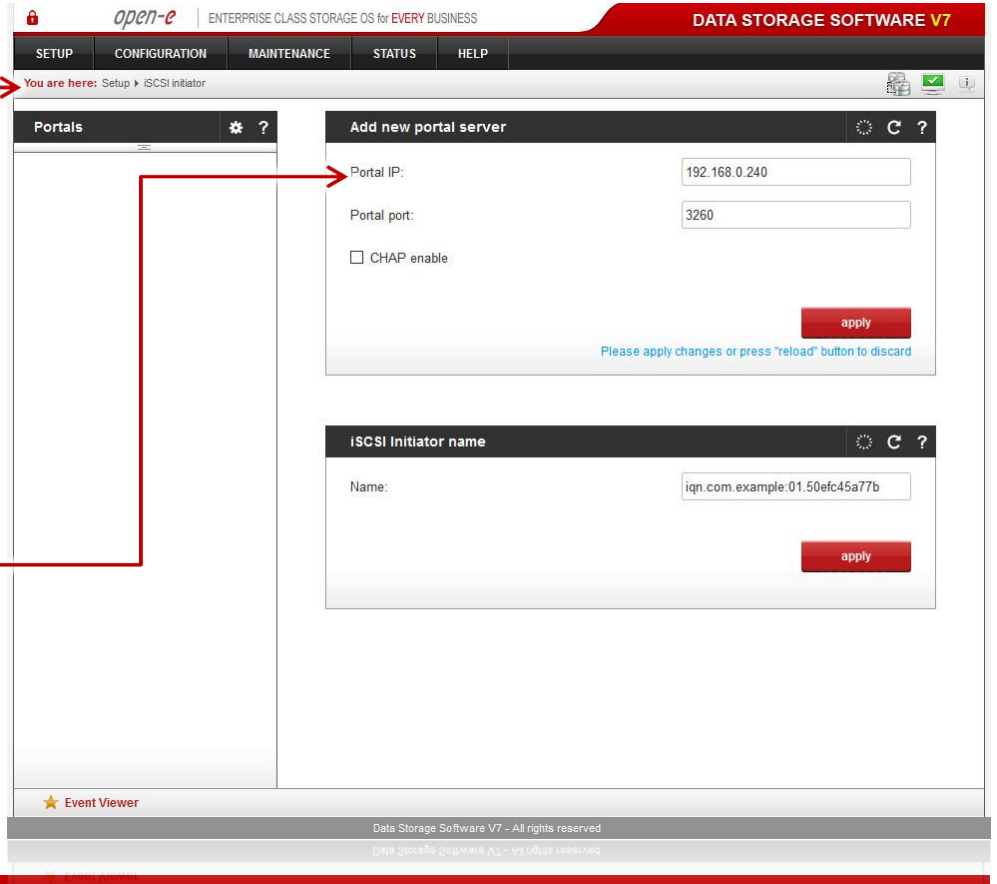


3. Connecting the iSCSI target Volume using iSCSI Initiator



Data Server (DSS1)
Source node
IP Address: 192.168.0.220

Choose "**SETUP**", "**iSCSI initiators**". In **Add new portal server**, in field **Portal IP** enter the IP Address of targets on the destination node (in our example this would be 192.168.0.240) then click on the **apply** to confirm.



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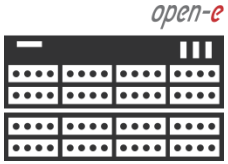
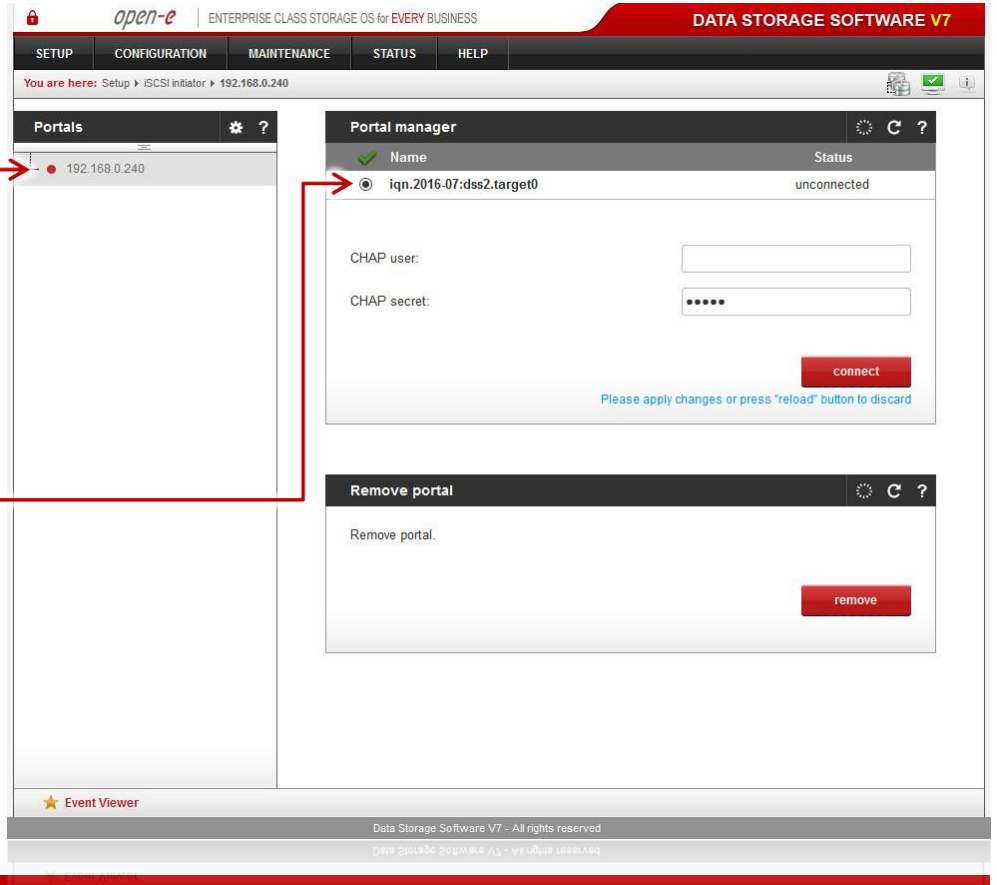


Data Server (DSS1)
Source node
IP Address: 192.168.0.220

Select **192.168.0.240** within the **Portals** field. In **Portal manager** select the name of the iSCSI targets and click the **connect** button.



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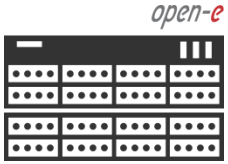
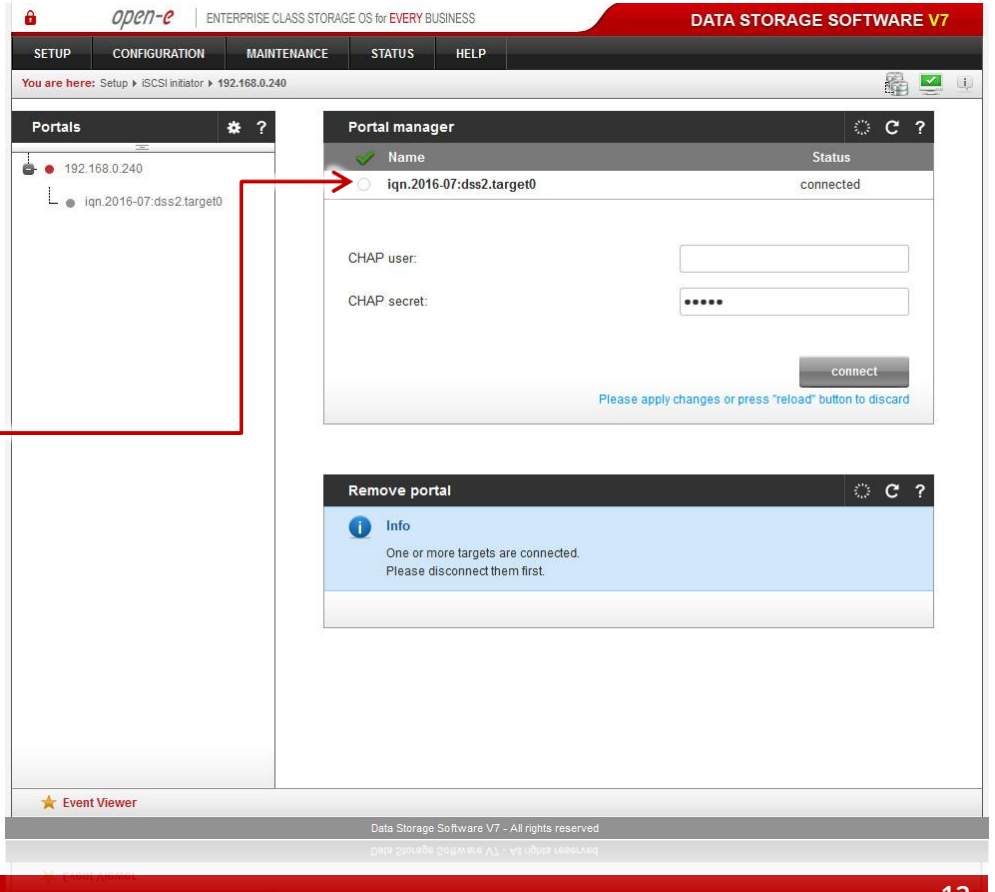


Data Server (DSS1)
Source node
IP Address: 192.168.0.220

iSCSI target: **iqn.2016-07:dss2.target0** has been connected successfully.



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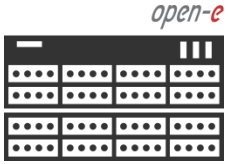
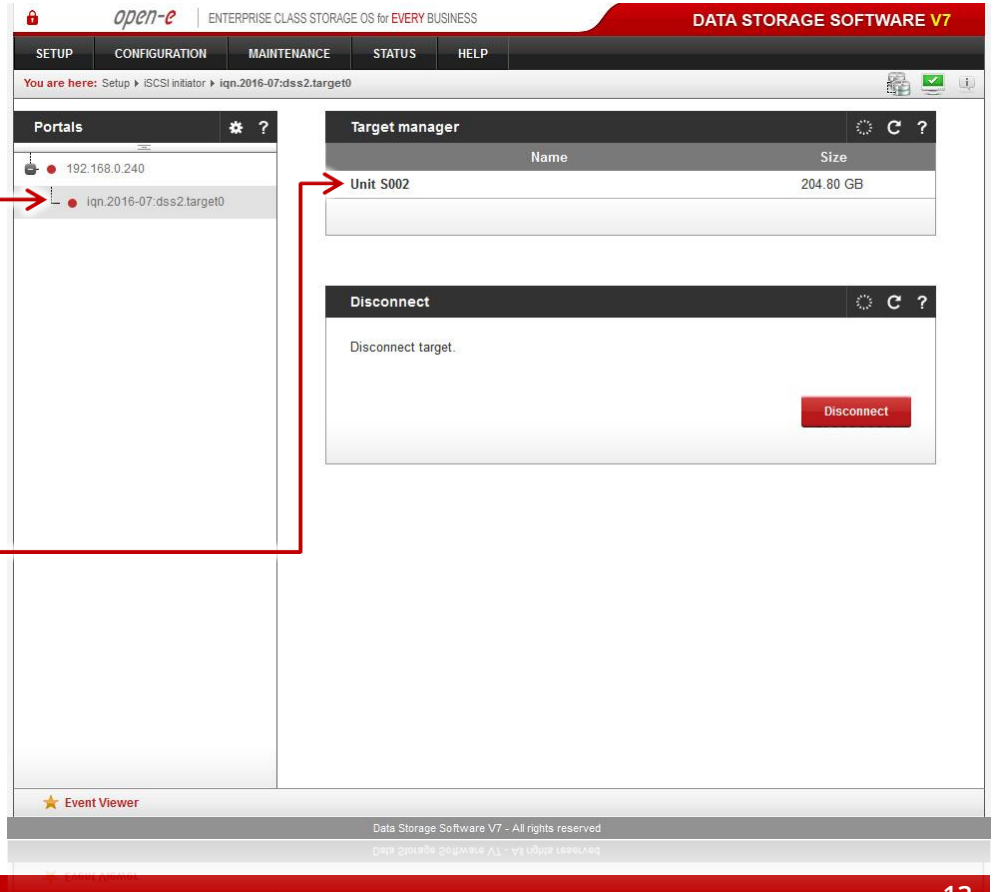
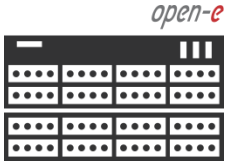


Data Server (DSS1)
Source node
IP Address: 192.168.0.220

Next, click on the iSCSI target name within the **Portals**, in this example the name is: **iqn.2016-07:dss2.target0.**
In the **Target manager** you can view the connected target's name as well as its size.



4. Create a Volume groups (vg01), on DSS1

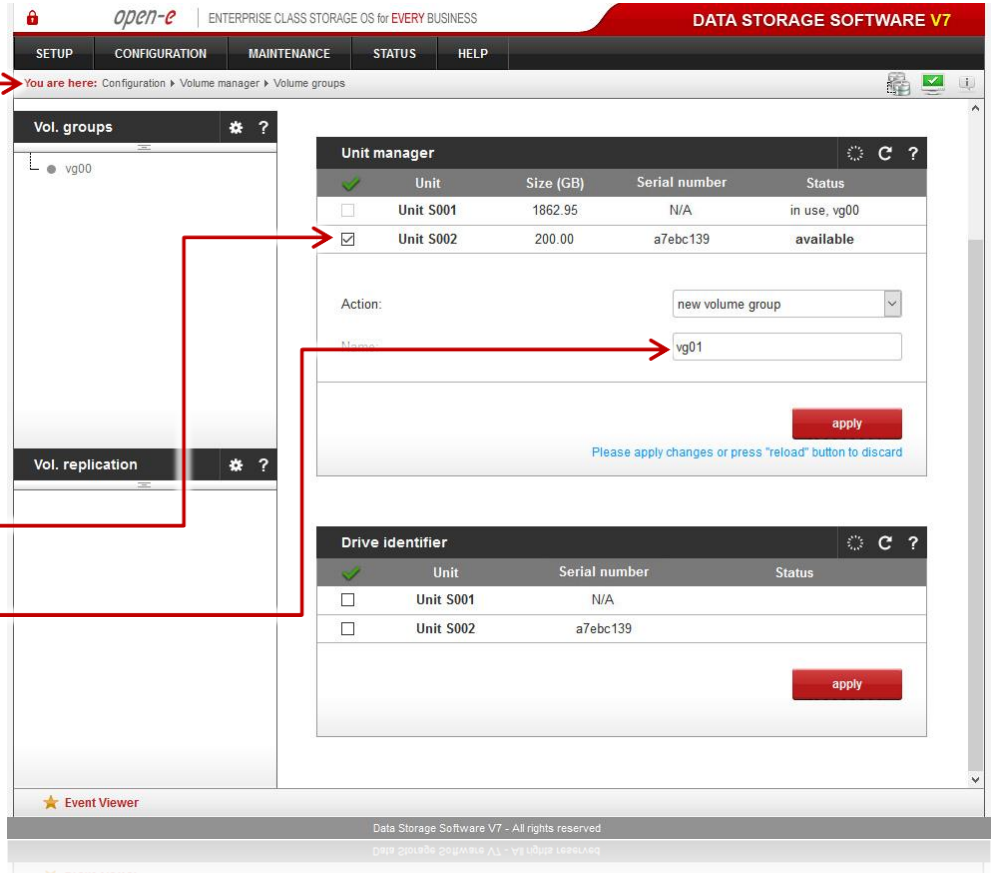


Data Server (DSS1)
Source node
IP Address: 192.168.0.220

Under the "**CONFIGURATION**" tab, select „**Volume manager**" and next **Volume groups**.

In the **Unit manager** select physical units (**Unit S002**) to create a new volume group (in this case, **vg01**) and click **apply** button.

The configuration of connecting to an iSCSI target Volume is now complete.



Thank You!