

Backup in a Virtual Environment with Overland-Tandberg and Veeam using RDX® QuikStation™

RDX® QuikStation™ is an iSCSI network-attached removable disk appliance designed to provide a flexible platform for data protection and offsite disaster recovery for physical or virtual SMB and SME environments.

Through our partnership, Overland-Tandberg and Veeam Software provide you with a turnkey backup solution for virtual environments based on Overland-Tandberg's products and Veeam Backup & Replication.

Tandberg Data RDX QuikStation

The RDX QuikStation is truly a universal device for both virtualised and physical server environments because it has the unique ability to deliver cost efficiency, durability, media removability for offsite storage, direct data access with the performance of random-access disk, and the flexibility of iSCSI network connectivity. Additionally, the RDX QuikStation can be shared across multiple host systems that are either local or remote.

Veeam Backup & Replication

Veeam Backup & Replication offers fast and reliable Backup and Restore of VMware vSphere® and Microsoft® Hyper-V Servers and Data. Backup and Replication are consolidated in one product. Veeam Backup & Replication sets the new standard for Backup and Recovery by leveraging the advantages of virtualisation with Veeam vPower-Technology.



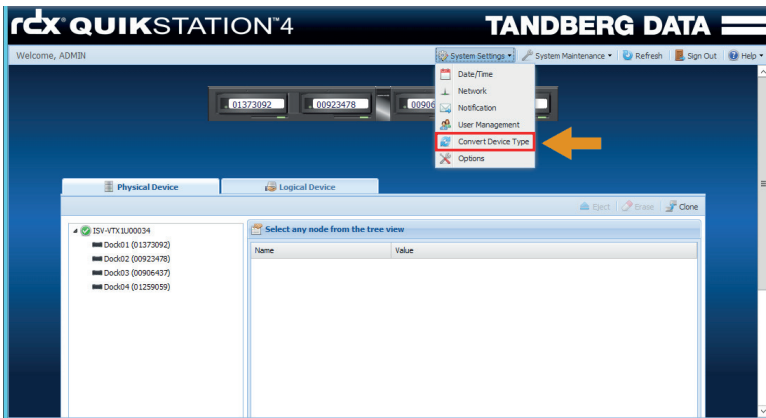
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rdx® QUIKSTATION™ 4

Preparation

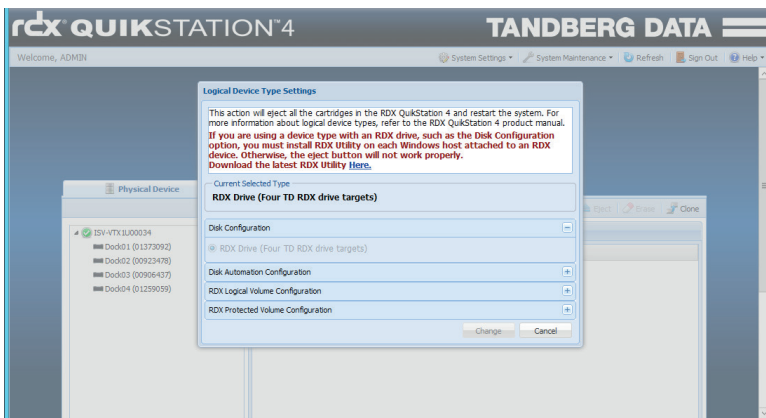
Before RDX QuikStation can be used as a backup target, several preparations need to be done on QuikStation and Windows. This guide shows the setup of the RDX QuikStation 4 as an example. The same procedure applies for RDX QuikStation 8 models.

RDX QuikStation Preparation



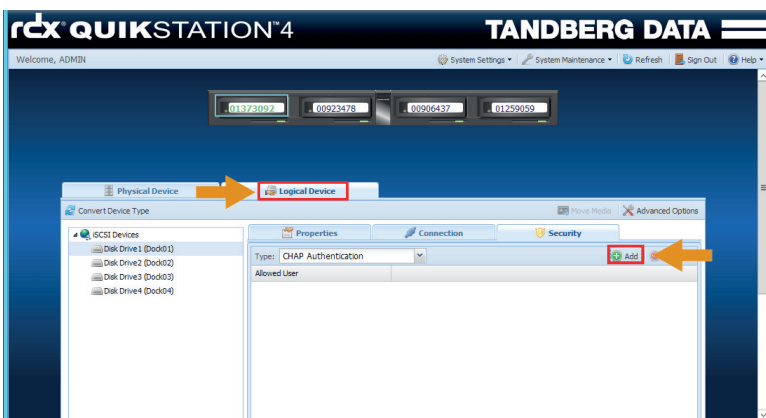
The QuikStation should be set to either removable RDX mode or removable logical volume mode. To check your setting open the web interface of your QuikStation.

From the top menu choose **System Settings** --> **Convert Device Type**.



Choose your desired configuration (for further information refer to the RDX QuikStation manual).

Please note that automation modes for disk and tape do not apply to this guide.

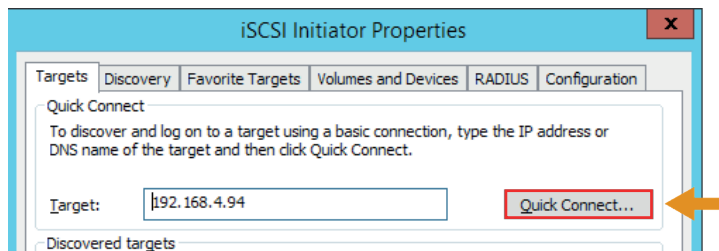


For security reasons, activation of CHAP authentication is recommended with iSCSI connections.

Select **Logical Device** and choose the **Security** tab. For each RDX disk drive click **Add** and enter a user-name and password.

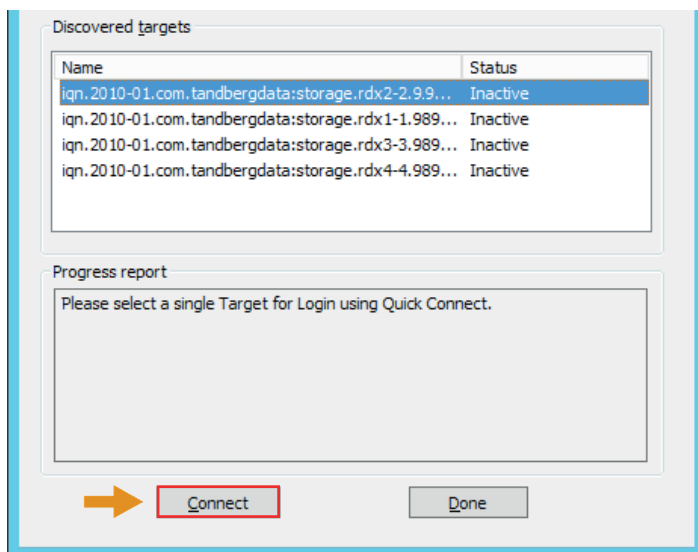
Windows Preparation

Veeam Backup & Replication Server or Veeam Repository Server can connect to the RDX drives in the RDX QuikStation via the Microsoft iSCSI Initiator.



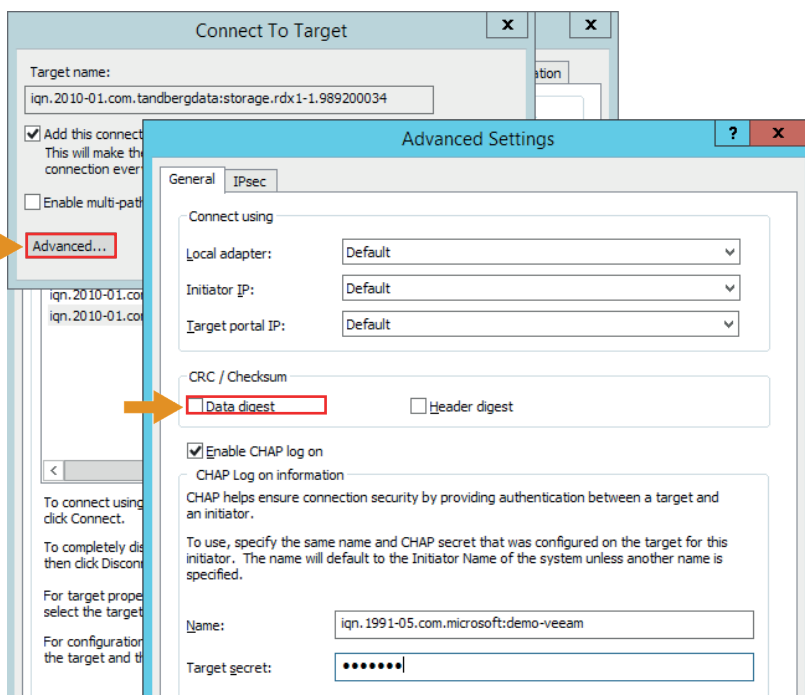
Start the Microsoft iSCSI initiator.

Enter the IP Address of your QuikStation as the target and click on **Quick Connect**.



All RDX drives of the RDX QuikStation will appear.

Select the desired drives and click **Connect**.



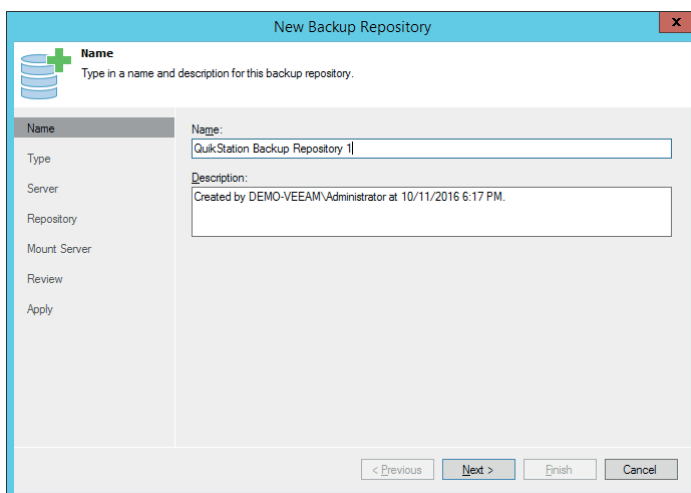
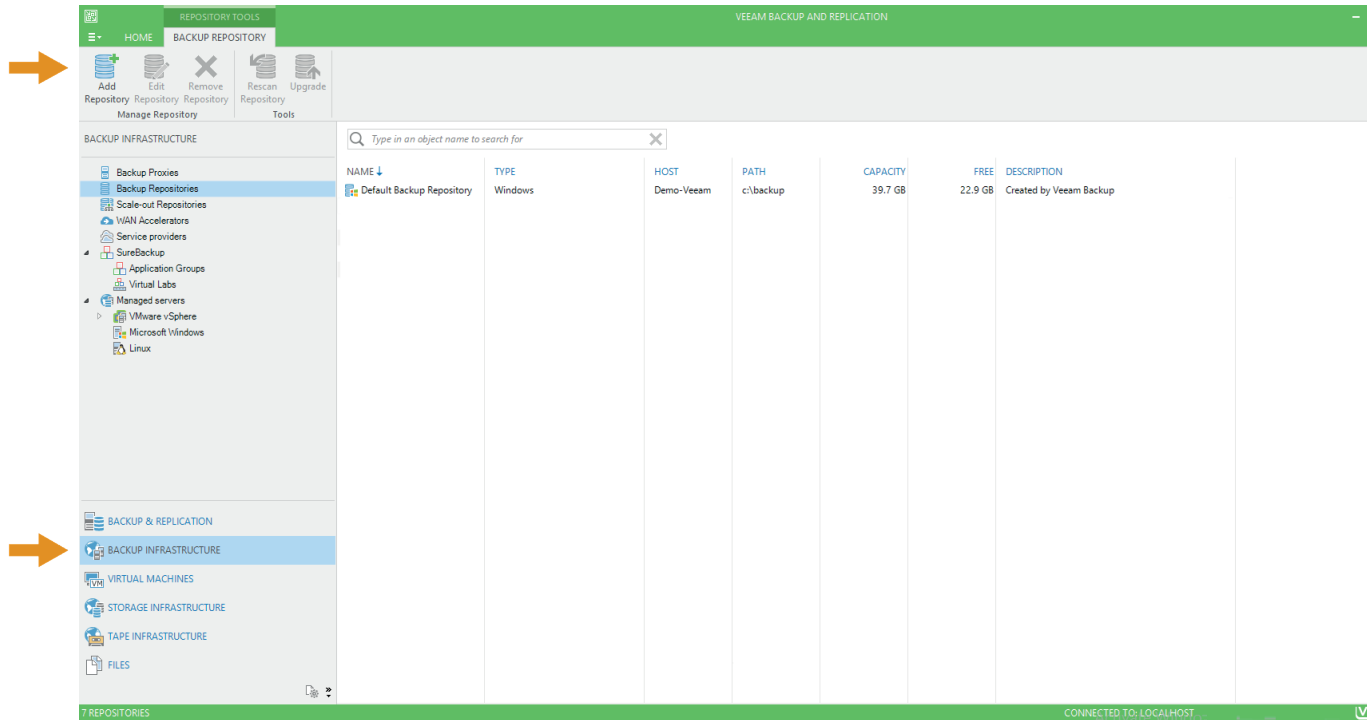
Choose Advanced and check the **Enable CHAP log on** box.

Type in the user name and password you already used during QuikStation setup.

Click **OK**.

Create a Backup Repository for RDX QuikStation

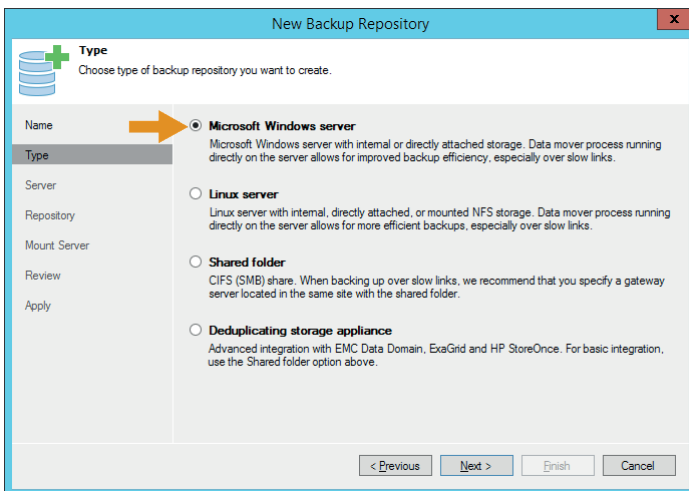
Before RDX QuikStation can be used as a backup target, a backup repository needs to be defined.



From your Veeam Backup & Replication homescreen choose **Backup Infrastructure**. Then choose **Backup Repositories**.

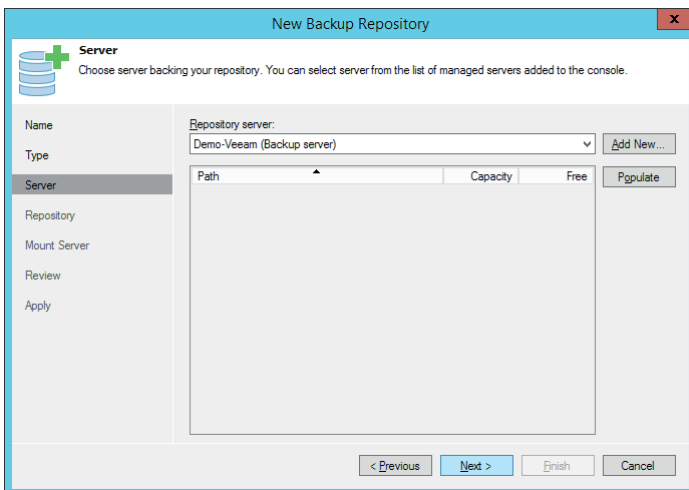
From the top menu choose **Add Repository**. The Add Repository wizard starts up. First, type in a name for your new backup repository.

Click **Next**.



Choose **Microsoft Windows Server** as the RDX QuikStation is directly attached to the server via iSCSI.

Click **Next**.



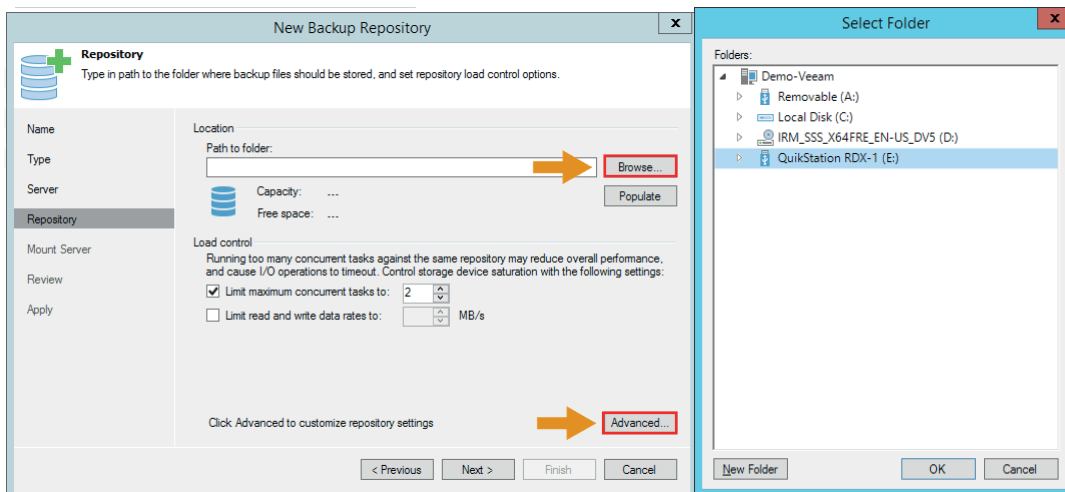
Choose the repository server (this guide assumes that this was created previously).

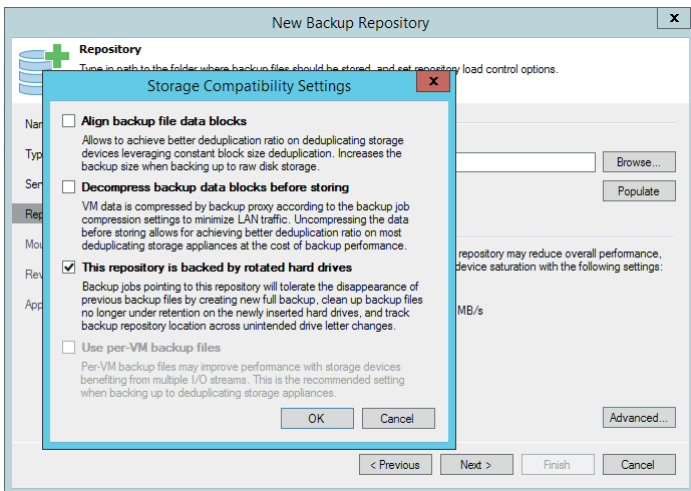
Click **Next**.

Now choose the backup repository. Click **Browse** and select the RDX drive (QuikStation RDX-1 in our case). Click **OK**.

Limit the maximum concurrent tasks to 2.

Click **Advanced**.



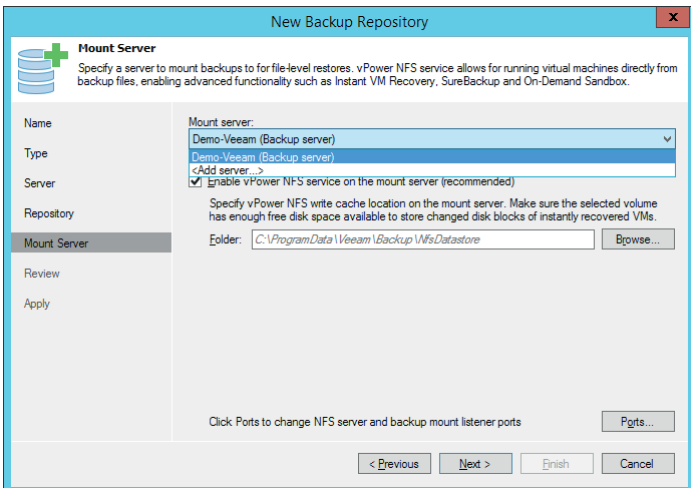


To be protected against any disasters happening in the data centre, backup copies need to be created and stored off-site. We recommend media rotation with at least 3 RDX media to ensure full disaster protection .

Choose **This repository is backed by rotated hard drives**.

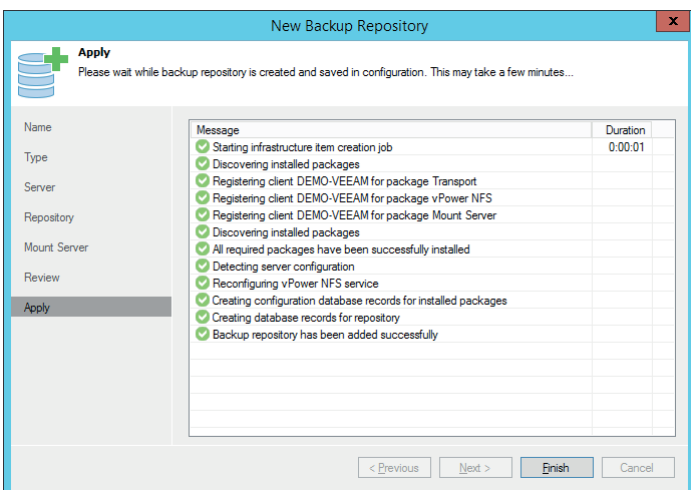
Click **OK**.

Click **Next**.



Mount a server for file-level restores (usually the same as the backup server).

Click **Next**.



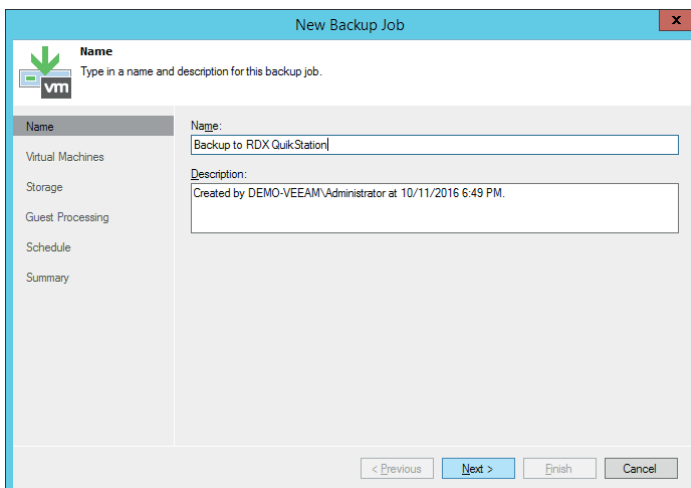
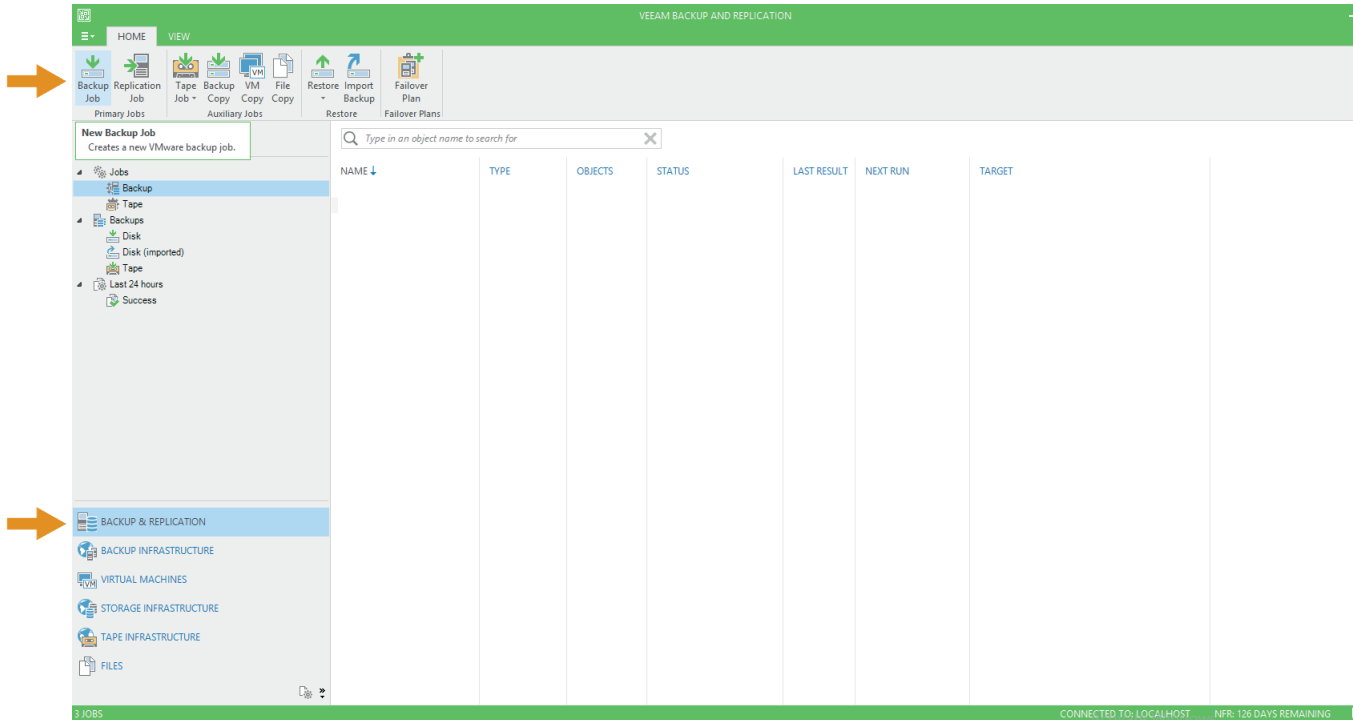
Review your settings, then click **Next**.

Your backup repository will be created.

Click **Finish** to exit this menu.

Create a Backup Job

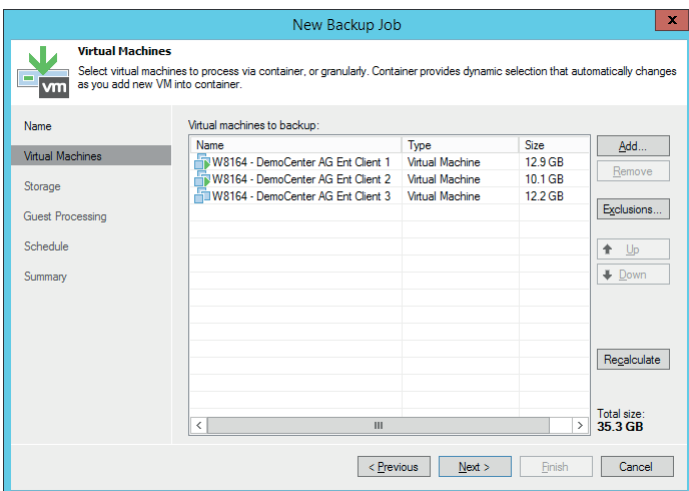
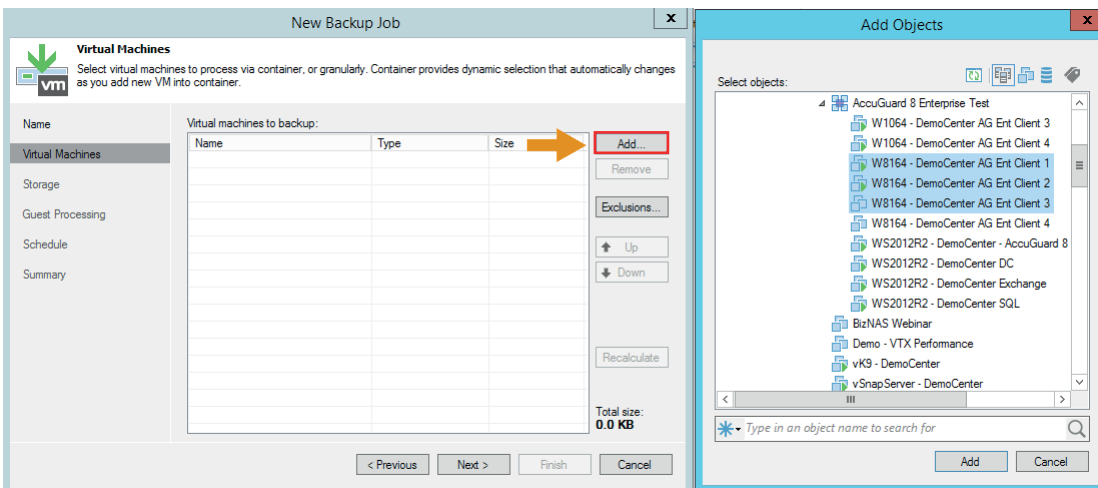
Now we are ready to create a backup job.



From your homescreen choose **Backup & Replication**. Then choose **Backup**.

From the top menu choose **New Backup Job**. The New Backup Job wizard starts up. First, type in a name for your new job.

Click **Next**.

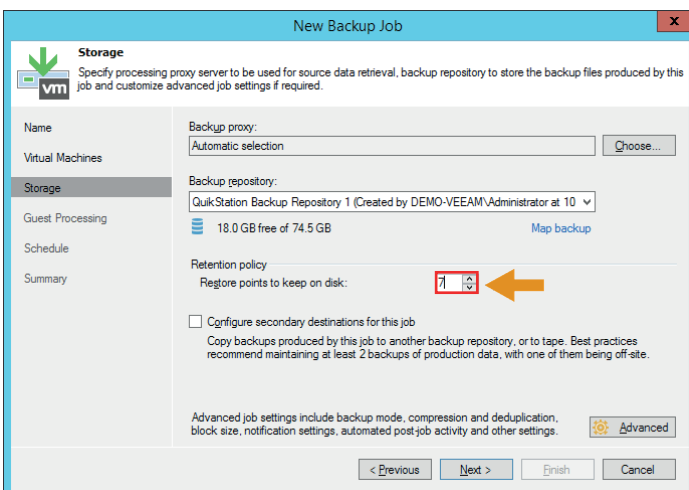


Choose the virtual machines you like to back up by clicking **Add**.

Select the desired machines and click **Add**.

The selected machines are displayed and the total storage size is calculated.

Click **Next**.

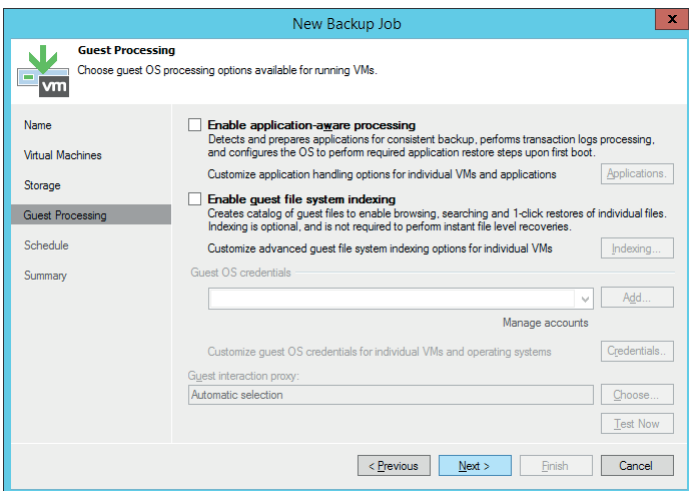


Choose the backup repository we just created as the backup target.

Specify the number of recovery points depending on your backup strategy.

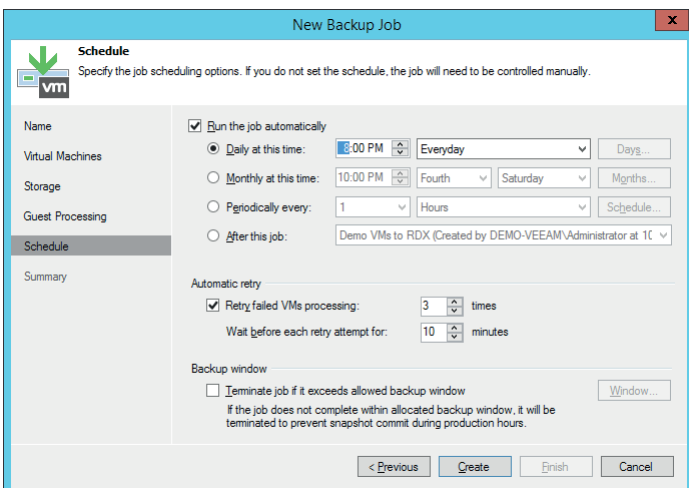
You might choose some advanced options by clicking **Advanced**.

Click **Next**.



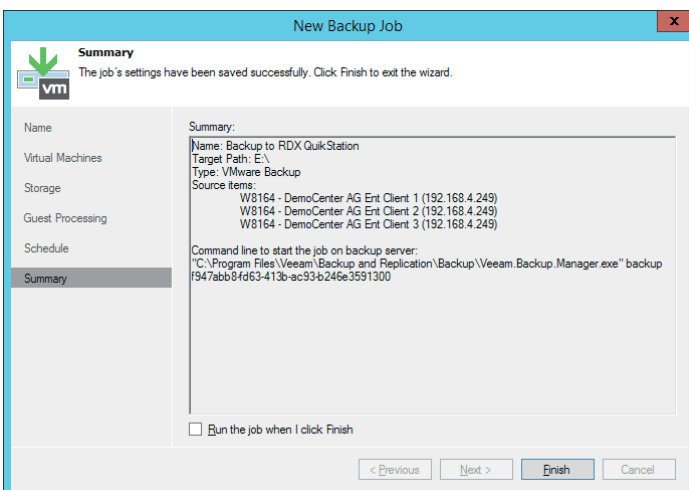
In case of database or exchange backups, choose guest processing options. Otherwise skip this menu.

Click **Next**.



Setup the backup schedule according to your requirements.

Click **Create**.

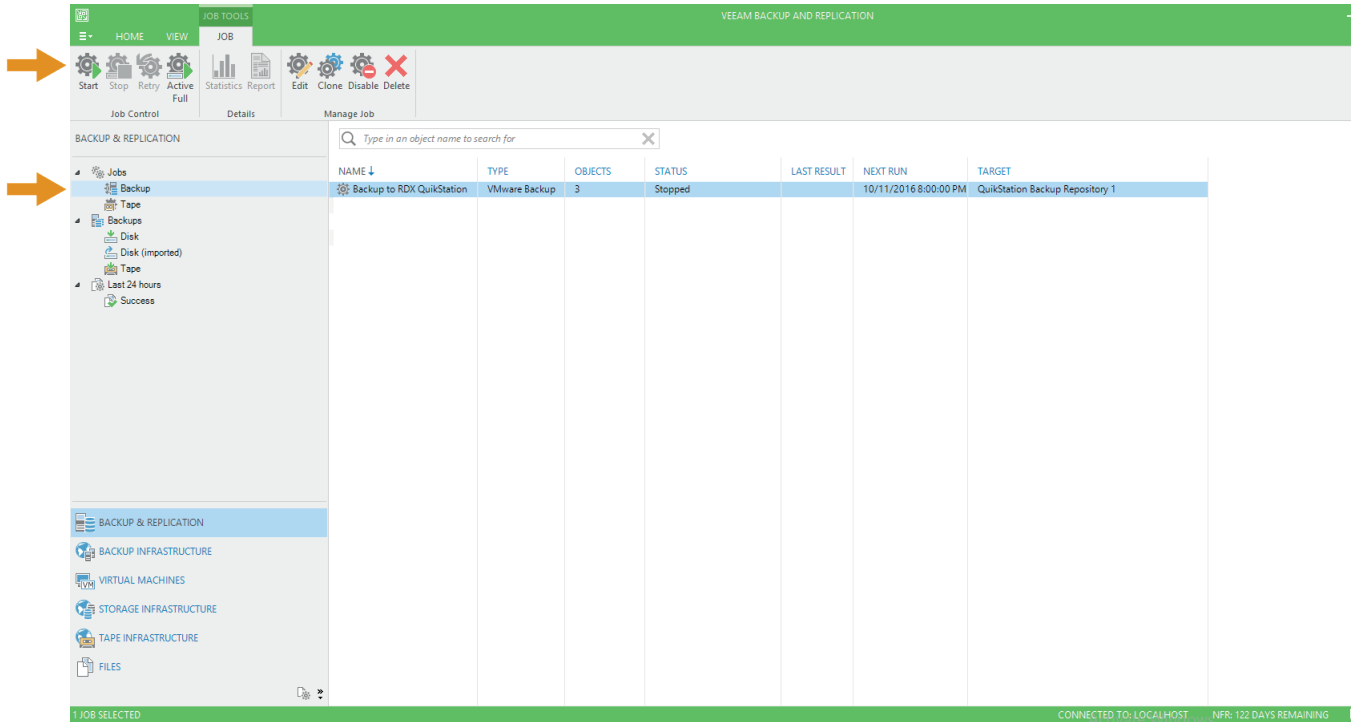


The backup job is created. Your backup settings are displayed

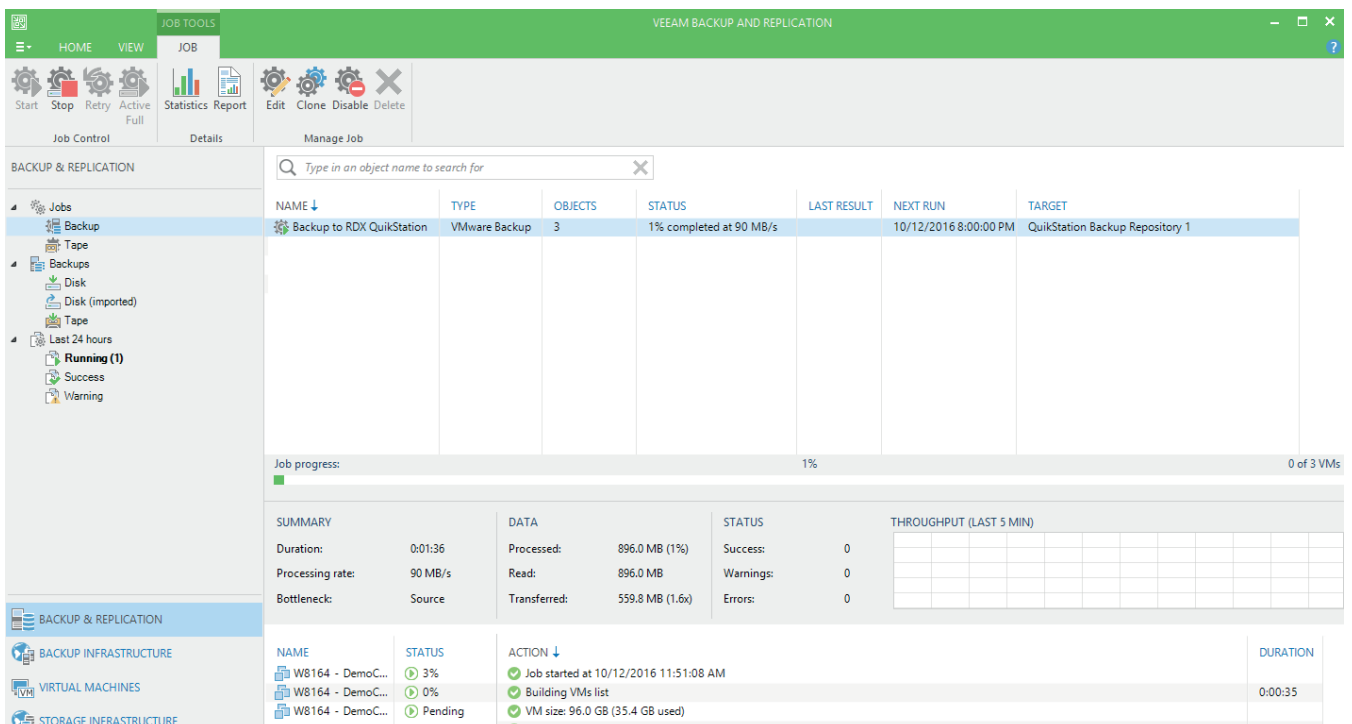
Click **Finish**.

Run your Backup Job

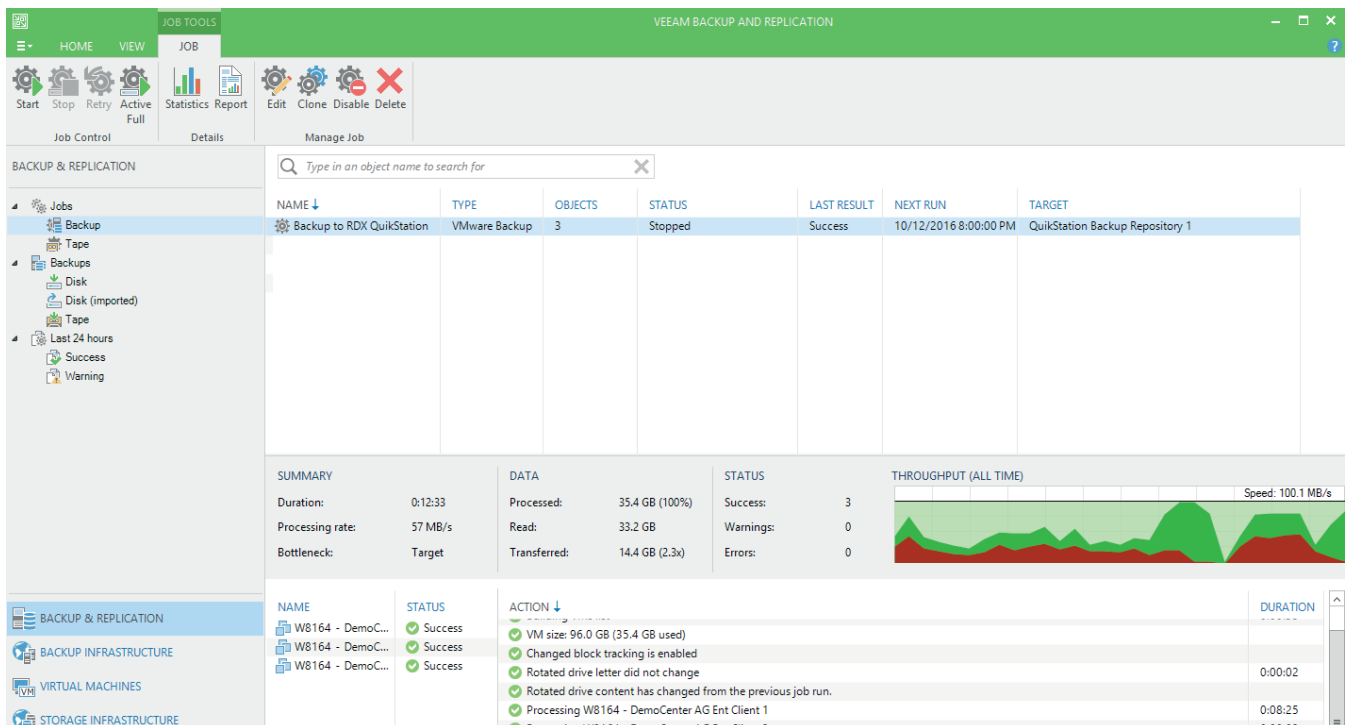
The backup job has been created successfully and will run according to the specified schedule. However, you can start the backup job at any time by selecting the job and clicking “Start.”



The backup job has started. Informations about status and progress are displayed.



The backup job has finished successfully.



Recommendations

The RDX QuikStation drives are recognized by Veeam as Removable Disk Devices which enables selection of a retention policy that specifies the number of restore points Veeam will retain on the RDX media (see page 6). Veeam will indicate the total number of restore points that are available on the existing media. When a new (blank) RDX media or media set is inserted to do media rotation, Veeam Backup & Replication will perform a new full backup.

Activation of the **Reverse Incremental** backup method in advanced job settings is recommended. However, when you want to perform permanent full backups, the RDX cartridge needs to be deleted prior to the backup job. To do so, set the value of **ForceDeleteBackupFiles** to 5 in the registry entry of

HKEY_LOCAL_MACHINE\Software\Veeam\Veeam Backup and Replication.

WARNING: This will delete the entire content of the RDX media. All files will be lost.

For further information and registry values read [knowledge base article #1154](#) at the Veeam support webpage.