

Integrating RDX® QuikStation™ into QNAP® NAS Backup

QNAP NAS Systems provide an OS-built in utility to enable scheduled backups to network attached storage systems to secure business critical data. With the integration of Tandberg Data's RDX QuikStation removable media appliance, users can now implement a full disaster recovery solution.

Even almost all QNAP NAS storage systems offer data redundancy via RAID technology, data should be backed up to an external device to be protected against hardware failures or human errors. An easy to use built in utility allows scheduled backups to USB attached devices like memory sticks or external hard disks.

But these devices don't offer much reliability, durability and capacity, as they are not specifically designed for backup and archiving tasks with on/offline storage requirements. The RDX removable storage systems are a media based rugged, reliable and convenient backup appliances which fit perfectly into a professional backup strategy. With its iSCSI technology, RDX QuikStation easily attaches to QNAP NAS systems over the network.

After the backup job has completed, the RDX QuikStation media can be ejected to be placed into a secure location. Another media should then be inserted for the next backup job. This media rotation scenario provides the best protection against data loss and unpredictable failures and disasters.

The following guide explains how to integrate an RDX QuikStation appliance directly to a QNAP NAS system and how to schedule a backup job.

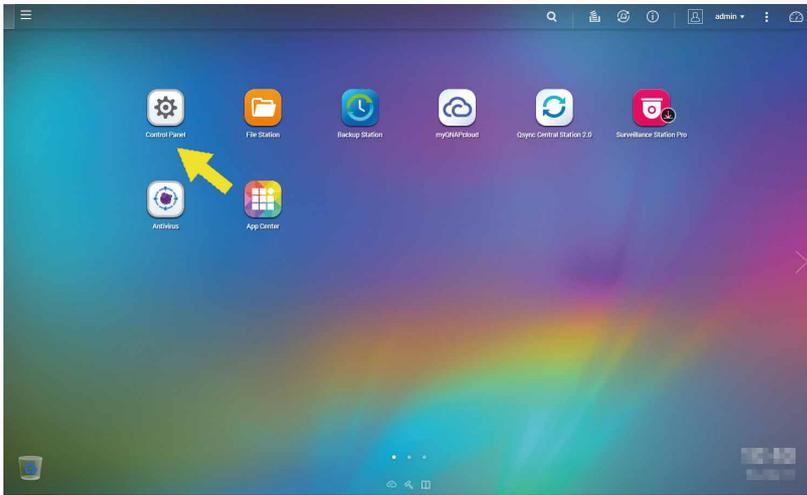


RDX QuikStation is an iSCSI based flexible removable media appliance



QNAP NAS Systems provide integrated backup applications

Introducing RDX® QuikStation™ to QNAP® NAS

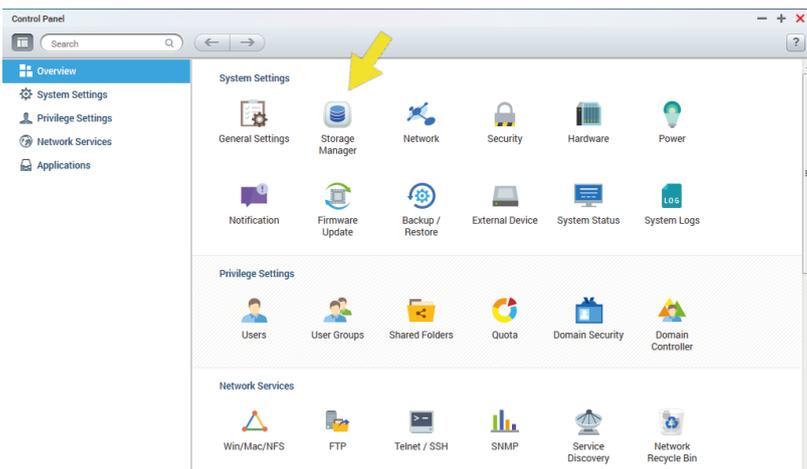


▶ Start your NAS system and connect your RDX QuikStation appliance to your network.

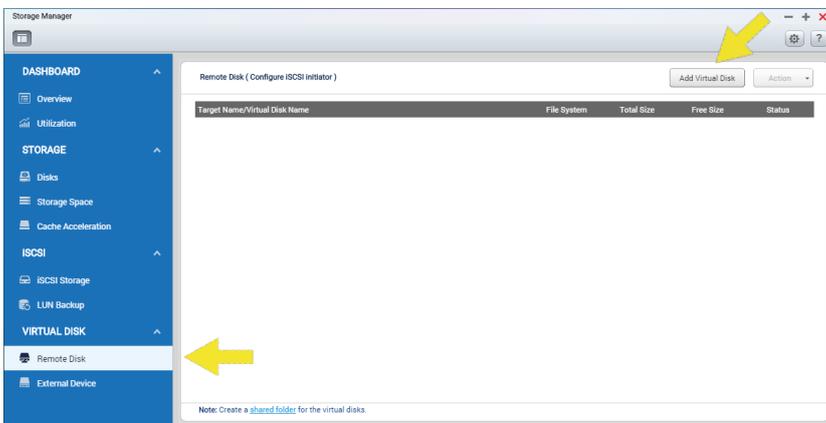
Set an appropriate IP-address according to the RDX QuikStation manual.

Insert RDX media into the drives.

From the home page window, click on "Control Panel".



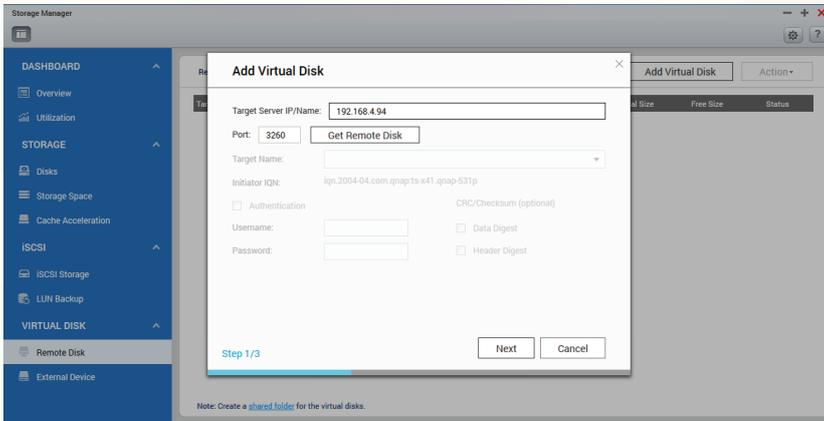
▶ Click on "Storage Manager".



▶ Click on "Remote Disk".

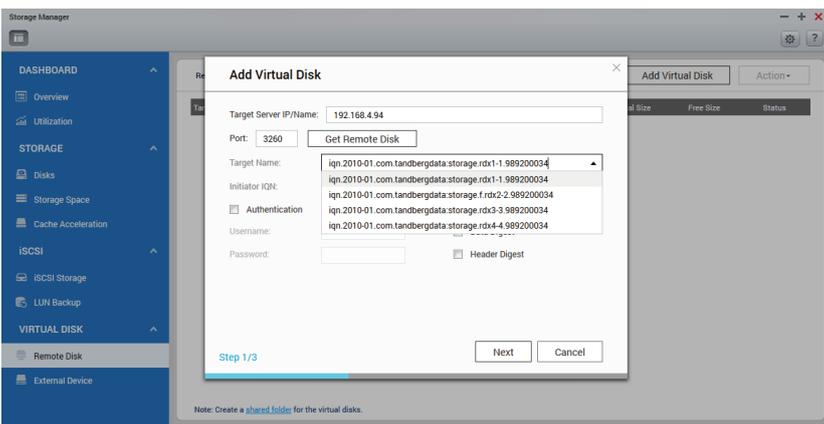
Then click on "Add Virtual Disk".

Introducing RDX® QuikStor™ to QNAP® NAS



Enter the IP-address you specified for the RDX QuikStation.

Click on "Get Remote Disk".

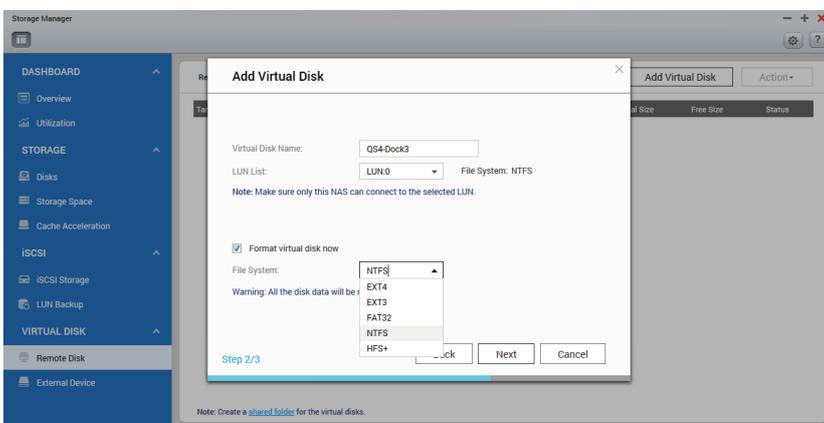


Target and initiator names are now displayed.

Click the "Target Name pull-down menu and choose the desired drive of the QuikStation by selecting the appropriate iSCSI qualifier name (iqn).

Here, we choose rdx3.

Click on "Next".

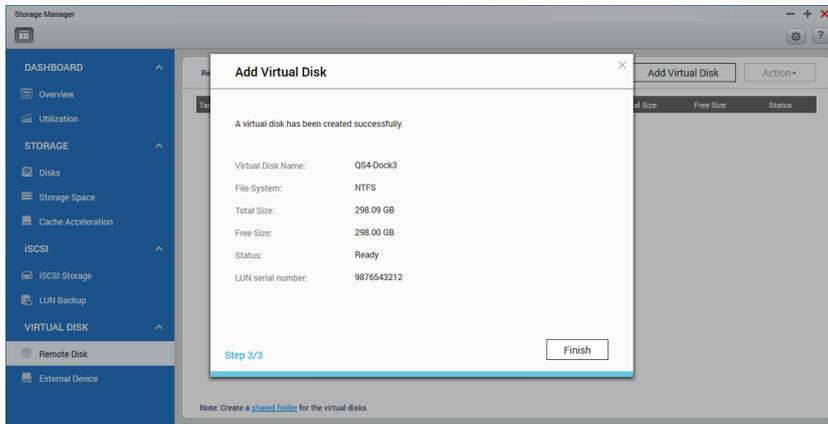


Assign a virtual disk name and a LUN.

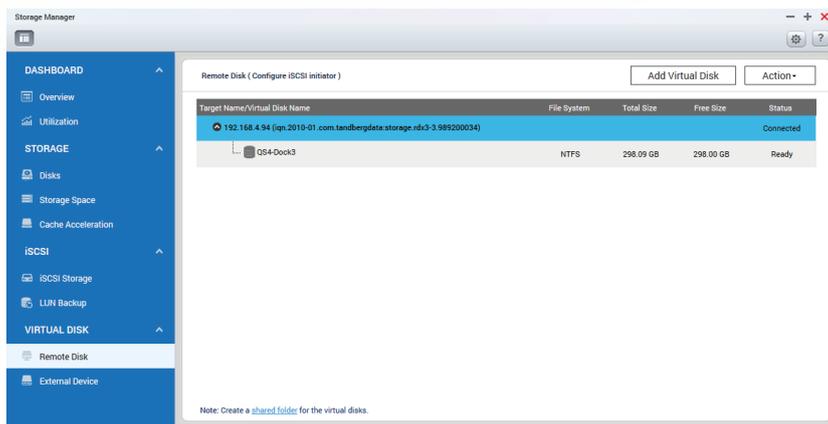
Format the disk by checking the box "Format virtual disk now" and specifying a file system.

Click on "Next".

Introducing RDX® QuikStor™ to QNAP® NAS



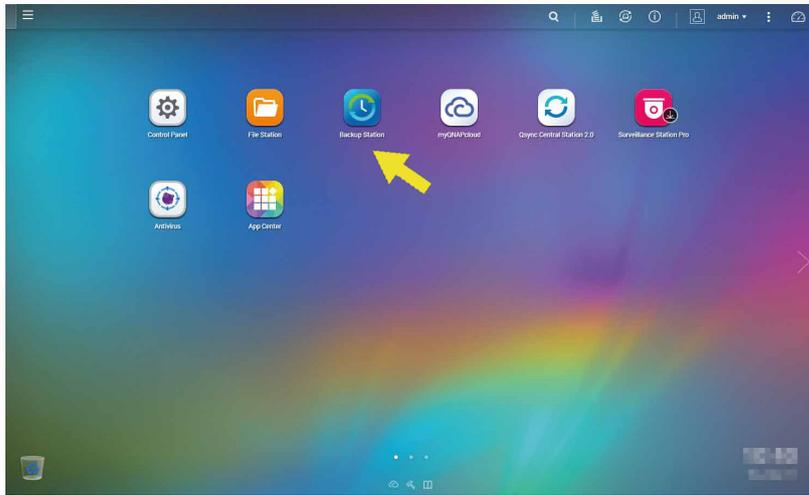
▶ The virtual disk is now created.
Click on “Finish”.



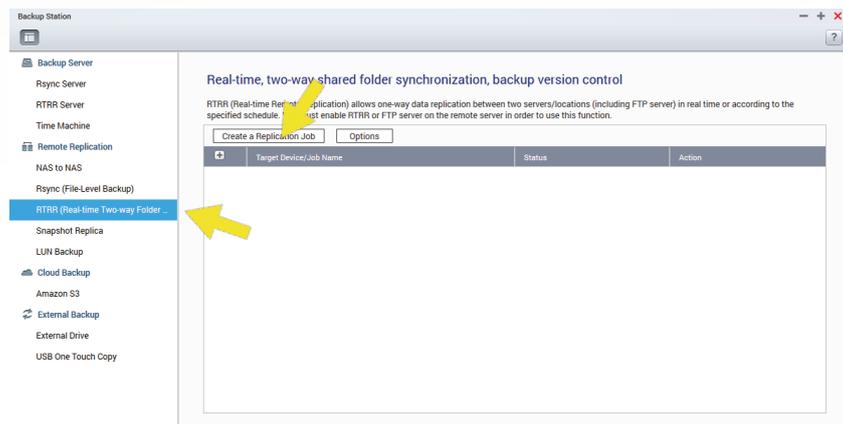
▶ The virtual disk is now displayed in the storage manager window.
Repeat the above steps for further RDX docks you want to introduce.

You might want to create subfolders using the File Station.

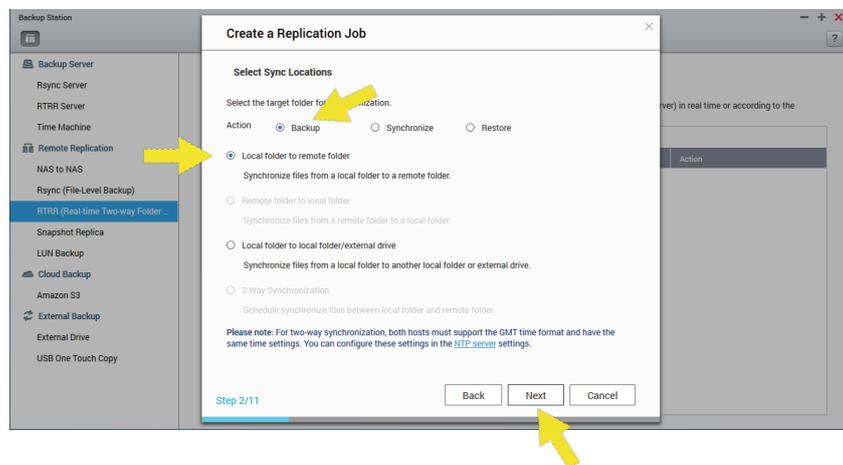
Establish a Backup Job to RDX® QuikStation™



▶ Close the Storage Manager.
Close the Control Panel.
At the home page click on "Backup Station".

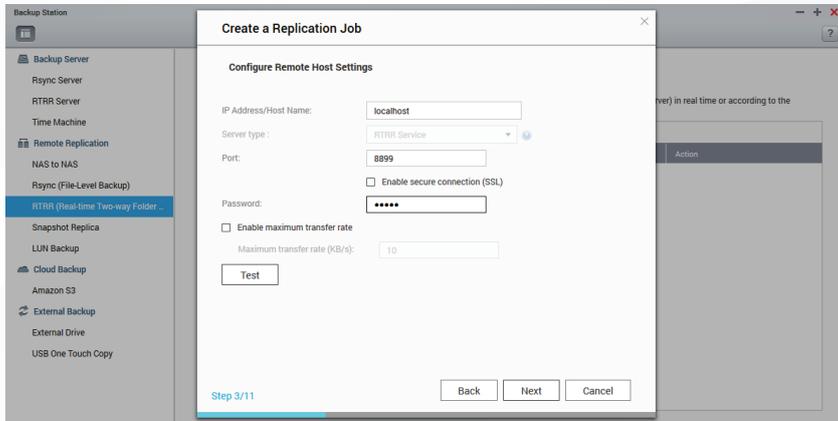


▶ In the Backup Station window click on "RTRR ..." under the "Remote Replication" section.
Then click on "Create a Replication Job".



▶ The "Create a Job" wizard starts up.
Select "Backup" then select "Local folder to remote folder".
Click "Next".

Establish a Backup Job to RDX® QuikStation™

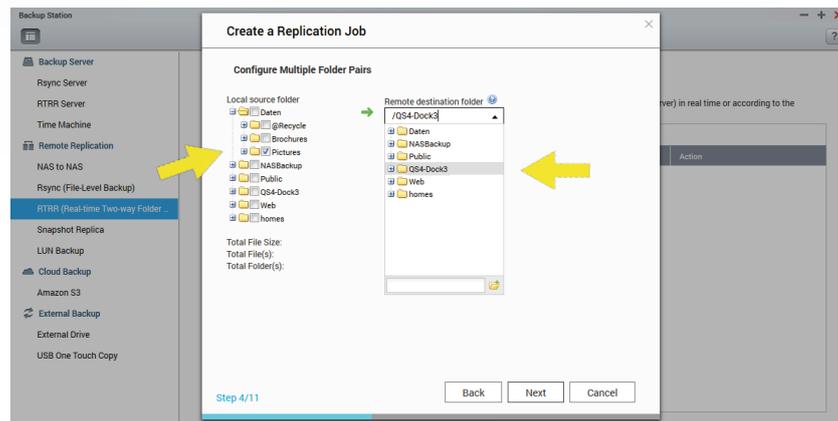


As the RDX QuikStation dock is acting like a local disk, enter "localhost" as the name of the host name.

Keep server type and port. Enter the password of the QNAP NAS.

You might want to test the connection.

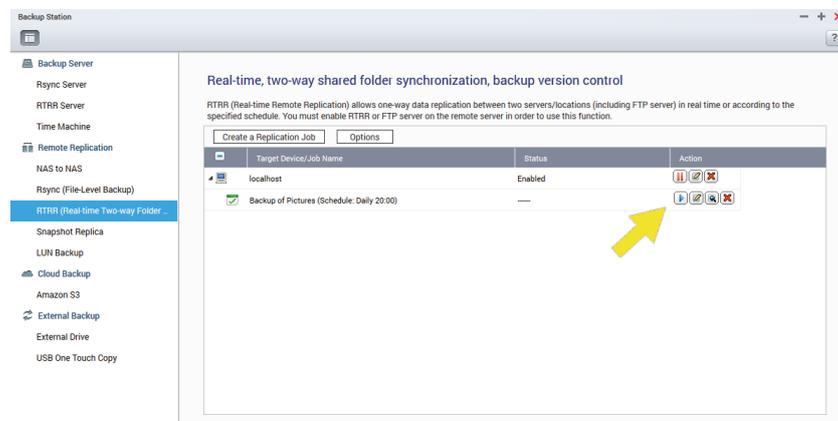
Then click on "Next".



Select source folder(s) you want to backup.

Select the destination folder, in our case "QS4-Dock3" as we created previously.

Click on "Next".



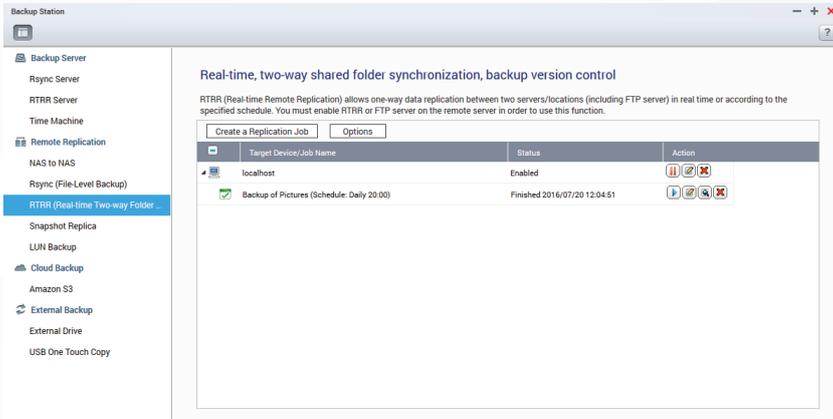
Follow the next steps by defining a schedule and a job name. In our example we chose "Backup of Pictures".

Check your settings, click "Next" to create the job, click "Finish".

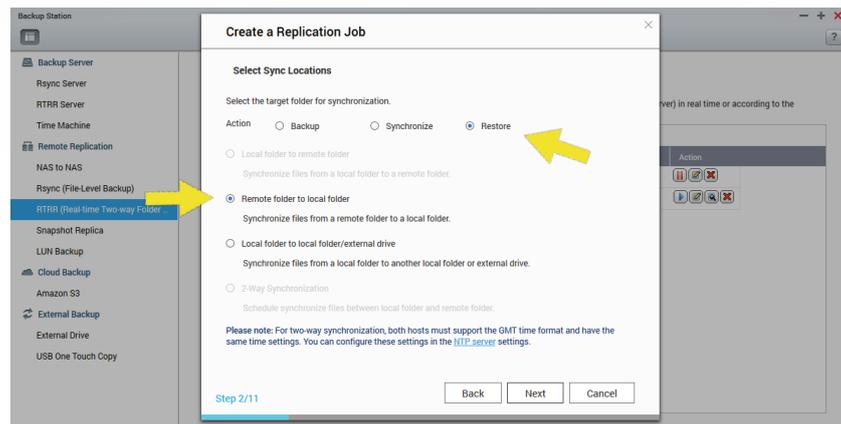
The backup job is now listed and will be started according to the specified schedule.

You can also start the backup job by clicking the arrow icon.

Restoring your Data from RDX® QuikStation™



To restore your data from RDX QuikStation, you can either create a "Restore Job" or using the File Station utility of your QNAP NAS.

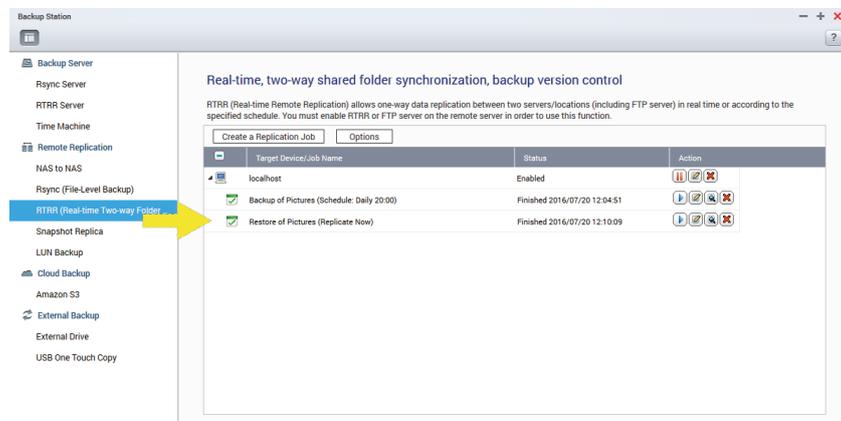


To create a restore job, proceed like creating a backup job.

Choose "Restore" and "Remote folder to local folder".

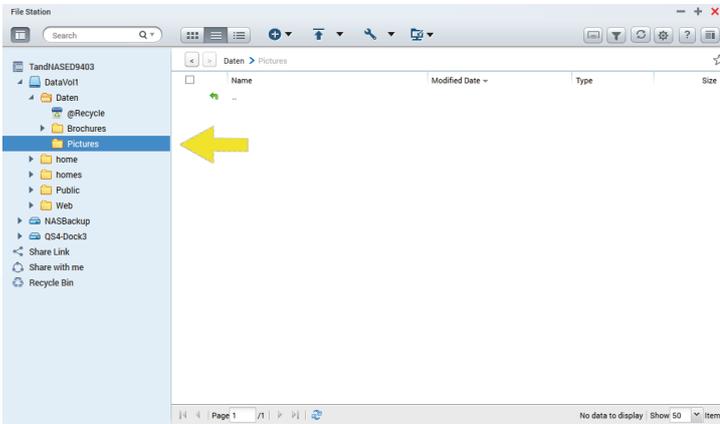
Swap the used source and destination folders in the next step.

Choose a name. Here, "Restore of Pictures" is used.



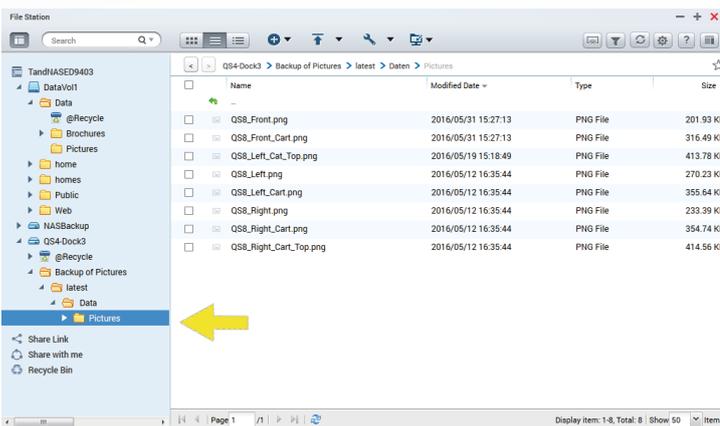
Now both jobs exist in parallel.

Restoring your Data from RDX® QuikStation™



To restore your data from RDX QuikStation using the File Station utility of your QNAP NAS, select "File Station" from the main menu.

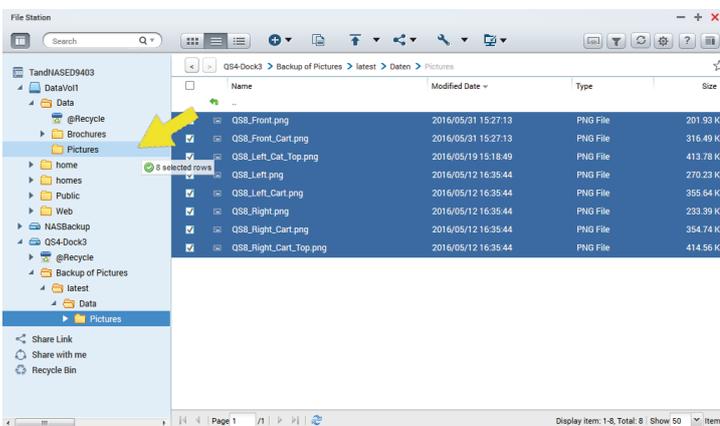
In our example, we lost files in the "Data\Pictures" folder.



This folder was backed up to "QS4-Dock3\Backup of Pictures\latest\Data\Pictures".

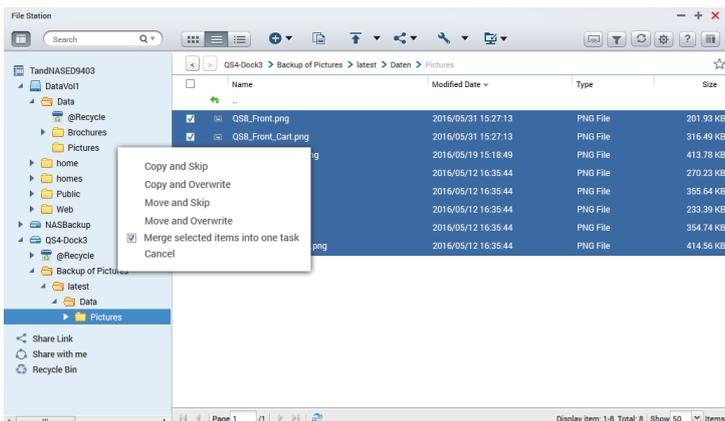
For each backup job, a subdirectory is created. Under this, you find the subdirectory "latest" for the latest backup. If the "Backup Versioning" app is installed, former backups are stored under the subdirectory named with the corresponding time stamp.

Underneath, the directory structure of the source is taken over.



Select all files you want to restore. Drag and drop them to the appropriate directory, here "Data\Pictures".

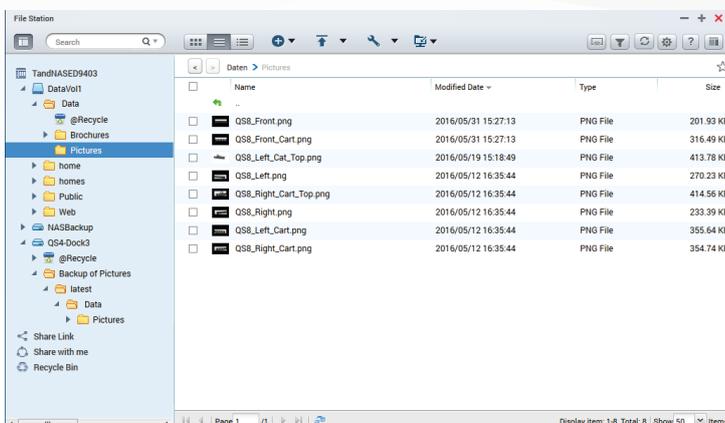
Restoring your Data from RDX® QuikStor™



A popup-window appears which lets you select from various options:

- Copy and skip existing files
- Copy and overwrite existing files
- Move and skip existing files
- Move and overwrite existing files

We recommend to check the box "merge selected items into one task".



The Files are restored.

For further information on Tandberg Data RDX removable disk systems and QNAP NAS refer to the corresponding websites:

www.tandbergdata.com/us/index.cfm/products/removable-disk/

<https://www.qnap.com/i/en/>

Sales Offices

Sales and support for Sphere 3D products and solutions are available in over 90 countries. Contact us today at sales@sphere3d.com. For a full list of Sphere 3D addresses and phone numbers, please see our website at: <http://sphere3d.com/contact-us/>.

To contact a representative call:

Americas: 1 858 571 5555

Germany/France: +49 231 5436 0

Asia Pacific: +65 6818 9266

Japan: +81 3 5475 2140

Canada: 1 416 749 5999

United Kingdom: +44 1 189 89 8000



©2015 Sphere 3D. All trademarks and registered trademarks are the property of their respective owners. The information contained herein is subject to change without notice and is provided "as is" without warranty of any kind. Sphere 3D shall not be liable for technical or editorial errors or omissions contained herein.

IB-RDX_QNAP_EN_A4_2016A