

RingStor Cloud – Add NAS as Local Backup Folder

This document specifies steps to use a network attached storage (NAS) to store local backup data.

Configure as UNC Path

1. Create Shared Folder:

Each NAS device may have a slightly different approach to create a shared folder. The following is based on QNAP NAS.

Log into QNAP console, open Control Panel, click Privilege Settings -> Shared Folders, click Create button on right and choose Shared Folder.

Control Panel

Search

Overview

System Settings

Privilege Settings

Users

User Groups

Shared Folders

Quota

Domain Security

Network Services

Applications

Shared Folder Advanced Permissions Folder Aggregation

Create Remove Restore Default Shared Folders

		Size	Folders	Files
	Shared Folder			
	Create an ISO Share	4 KB	1	1
		572 KB	4	9
<input type="checkbox"/>	Public	4 KB	1	1
<input type="checkbox"/>	Web	8 KB	1	2
<input type="checkbox"/>	homes	4 KB	1	1
<input type="checkbox"/>	localbackups	9.11 GB	185	1315
<input type="checkbox"/>	mountpathags	12.54 GB	226	226
<input type="checkbox"/>	mountpathnas	8.25 GB	145	150
<input type="checkbox"/>	rssmbfolder	27.66 MB	39	196
<input type="checkbox"/>	testmp	8 KB	1	2

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Provide a folder name in next screen, click Create button to create the shared folder. The UNC path is in form of [\\IP\folder](#), where IP is the NAS IP address, folder is the shared folder name.

Create A Shared Folder

Please fill out the following fields to create a shared folder

Folder Name:

Comment (optional):

Disk Volume:

Path: Specify path automatically
 Enter path manually

Configure access privileges for users

Currently, only the "admin" account has full permissions for this folder.

Advanced Settings

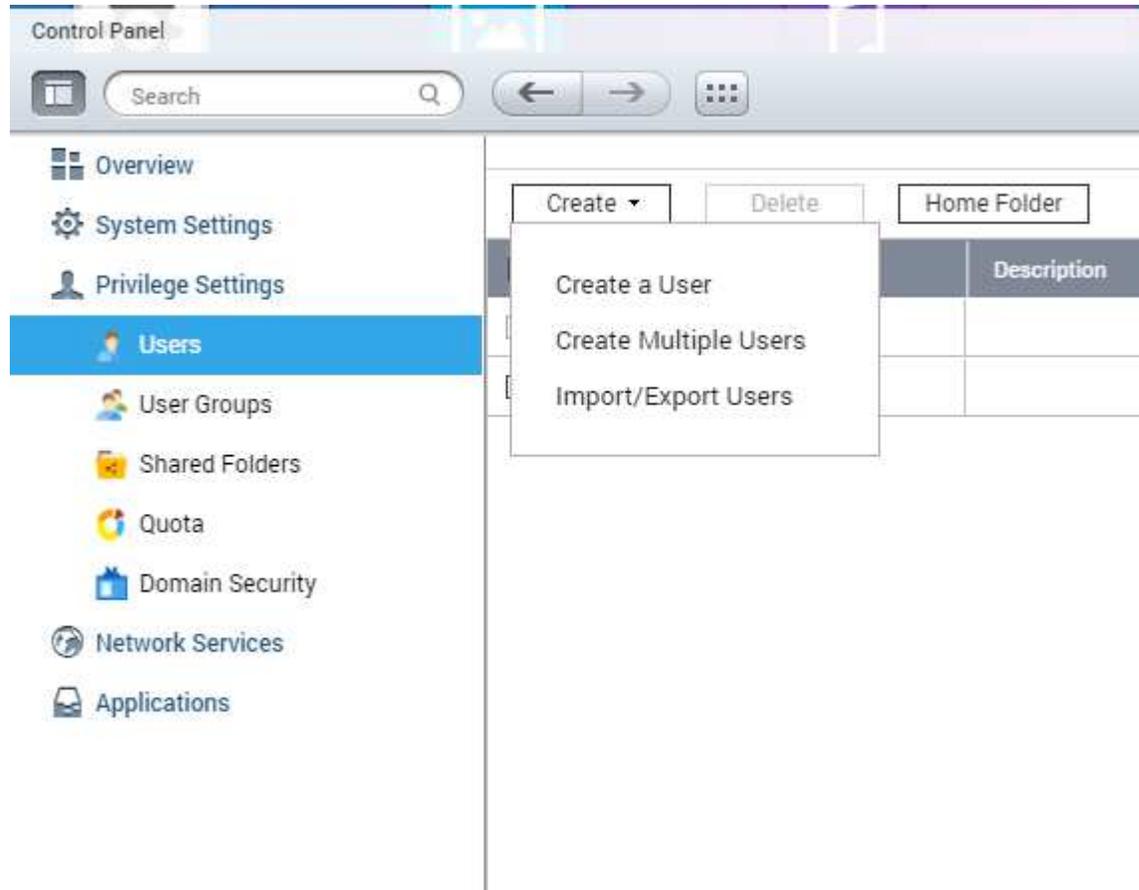
The example above creates an UNC path as \\192.168.0.110\BackupData

2. Create a NAS local user

Before creating a NAS local user to access the shared folder, make sure RingStor DataAgent and its service account is setup properly:

1. The computer where RingStor DataAgent is installed must be in a workgroup, not a domain
2. The RingStor DataAgent service account must be a local admin user on the computer
3. Remote User Account Control (UAC) for RingStor DataAgent service account might need reviewed and updated. On DataAgent computer, follow instruction at :
<https://support.microsoft.com/en-us/help/942817/how-to-change-the-remote-uac-localaccounttokenfilterpolicy-registry-se>

From NAS control panel, click Privilege Settings -> Users, click Create button on right and choose Create a User:



On next screen, Username must be the RingStor DataAgent service account username, password must be service account password.

Click Edit button in Shared Folder Permission, grant RW (read and write) permission to shared folder created in step 1.

Create a User



User Description (optional)

Username:

Password:

0-64 characters Too short

Verify Password:

Show password

Phone number (optional):

Email (optional):

Send a notification mail to the newly created user 

User Group Edit

everyone

Shared Folder Permission Close

Q

Folder Name	Preview	RO	RW	Deny
BackupData	Read/Write	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Download	No Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multimedia	Read/Write	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Public	Read Only	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Web	No Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
homes	No Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
localbackups	No Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Set Local Backup Folder for DataAgent

Log into RingStor Explorer, right click the DataSet, choose Backup and Recover, provide the UNC path shown in blue box:

RingStor DataAgent Console

Backup Recovery

DataSet

DataAgent: rswin7

DataSet: HD1

Backup Mode: Local Backup

Backup Types

Full Differential

Provide Folder for Backup Data

Backup to this folder for all local backups on DataAgent

ex: c:\mydata, \\myserver\share\path

Create a second copy in folder below for base line import:

Post Backup

A virtual disk can be created right after backup is completed. Virtual disk can be loaded into Windows Hyper-V as virtual machine.

Restore as virtual disk at this folder:

Virtual disk format: VHD

Replication

Local backup will be imported to cloud later

Replicate backup to:

Delete local backup after replication is completed
if checked, data can only be restored from cloud

Run It Now Schedule Close

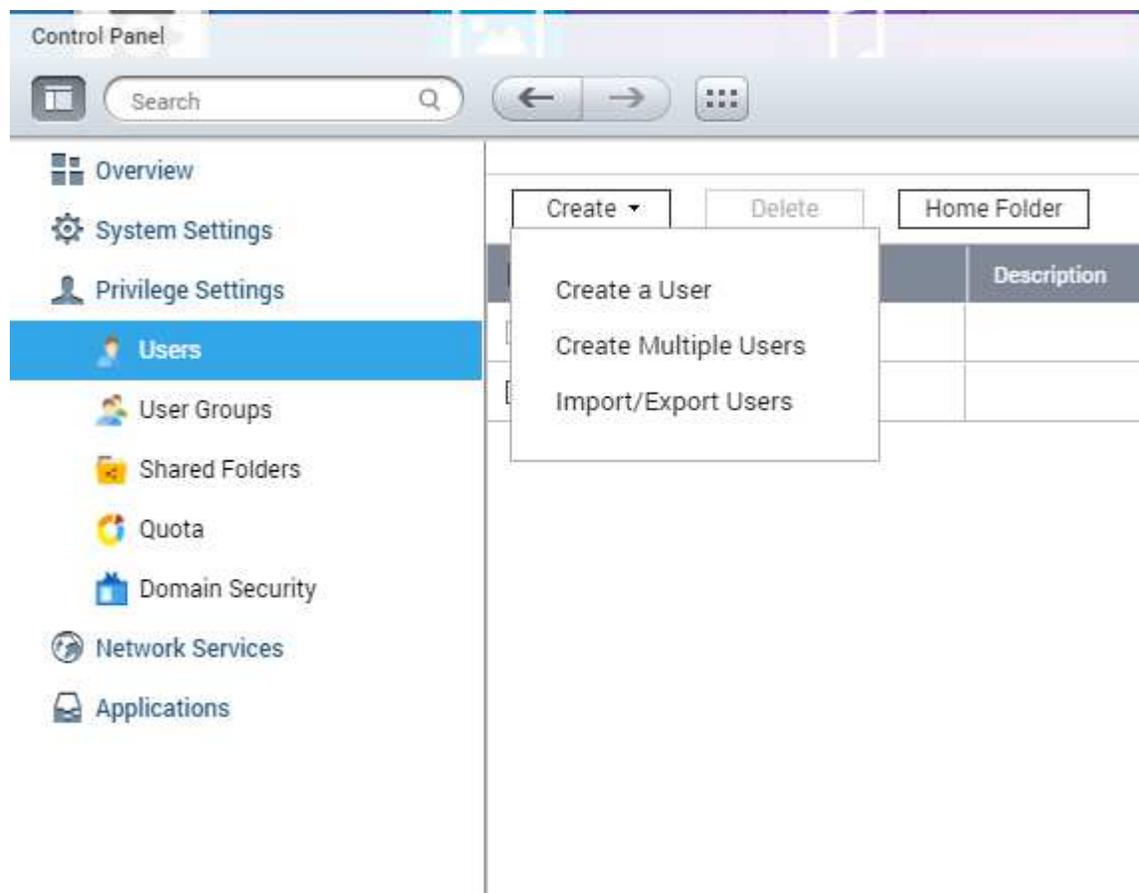
Configure as Mapped Drive

1. Create Shared Folder:

This step is same as step 1 in Configure as UNC Path.

2. Create a NAS local user

From NAS control panel, click Privilege Settings -> Users, click Create button on right and choose Create a User:



On next screen, set username and password.

Click Edit button in Shared Folder Permission, grant RW (read and write) permission to shared folder created in step 1.

Create a User



User Description (optional)

Username:

Password:

0-64 characters Too short

Verify Password:

Show password

Phone number (optional):

Email (optional):

Send a notification mail to the newly created user

User Group Edit

everyone

Shared Folder Permission Close

Folder Name	Preview	RO	RW	Deny
BackupData	Read/Write	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Download	No Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multimedia	Read/Write	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Public	Read Only	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Web	No Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
homes	No Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
localbackups	No Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Set Local Backup Folder for DataAgent

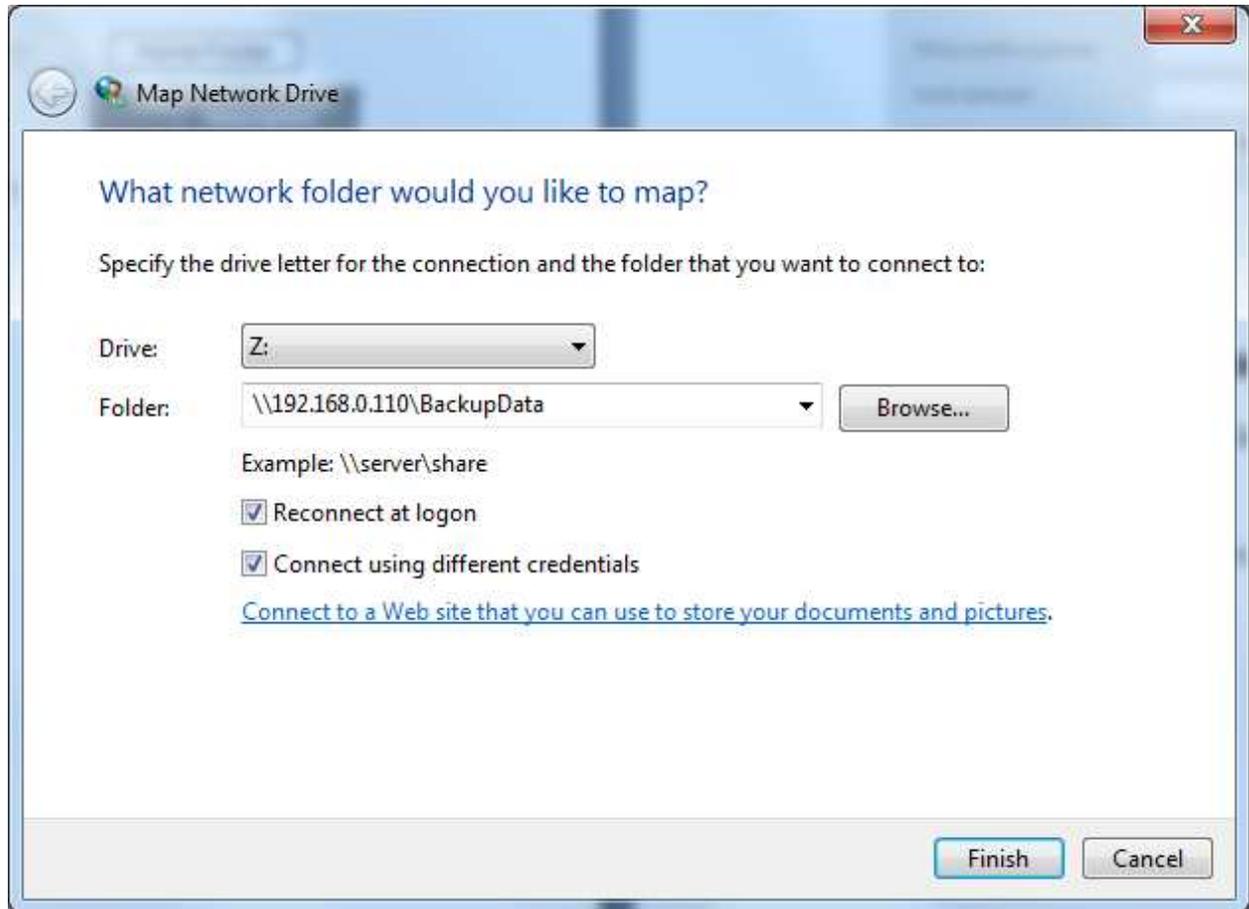
Log into computer as RingStor DataAgent service account, map the shared folder as a network drive:

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www.ringstor.com



At next screen, select “Use Another Account”, provide NAS local user’s credential as IP\username and password, select “Remember my credentials”. IP is the NAS device IP.



Log into RingStor Explorer, right click the DataSet, choose Backup and Recover, provide the mapped drive shown in blue box:

RingStor DataAgent Console

Backup Recovery

DataSet

DataAgent: rswin7

DataSet: HD1

Backup Mode: Local Backup

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Full Differential

Provide Folder for Backup Data

Backup to this folder for all local backups on DataAgent

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Restore as virtual disk at this folder:

Virtual disk format: VHD

Replication

Local backup will be imported to cloud later

Replicate backup to: 

Delete local backup after replication is completed
if checked, data can only be restored from cloud

Run It Now Schedule Close