

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.



Overview System Settings	Shared Folder Advance	ed Permissions Restore Default	Folder Aggrega Shared Folder	ation rs
Privilege Settings Users User Groups	Shared Folder Create an ISO Share	Size 4 KB	Folders	Files
Shared Folders		572 KB	4	
🗳 Quota	Public Web	4 KB 8 KB	1	
Domain Security Network Services	homes	4 KB	1	
Applications	localbackups	9.11 GB	185	131
	mountpathnas	8.25 GB	145	15
	rssmbfolder	27.66 MB	39	19
	testmp	8 KB	1	

Provide a folder name in next screen, click Create button to create the shared folder. The UNC path is in form of <u>\\IP\folder</u>, where IP is the NAS IP address, folder is the shared folder name.



Create A Shared Folder

0	Condenand	
Comment (optional):		
Disk Volume:	Single Disk: Drive 1 (Free Size: 1.78 TB)	•
Path:	 Specify path automatically 	
	 Enter path manually 	
		·**:
		Edit
Configure access privile	ges for users	
Currently, only the "admin" a	ccount has full permissions for this folder.	

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
- Remote User Account Control (UAC) for RingStor DataAgent service account might need reviewed and updated. On DataAgent computer, follow instruction at : <u>https://support.microsoft.com/en-us/help/942817/how-to-change-the-remote-uac-localaccounttokenfilterpolicy-registry-se</u>

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



EL Overview	
System Settings	Create - Delete Home Folder
Privilege Settings	Create a User Descrip
🔰 Users	Create Multiple Users
🤹 User Groups	[Import/Export Users
🙀 Shared Folders	
🗳 Quota	
📩 Domain Security	
Hetwork Services	

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

Ω	User Description (optional)	User Group everyone				Edit
Usemame		Shared Folder Permi	ission			Close
Paceword						٩
Passwuru.	0-64 characters	Folder Name	Preview	RO	RW	Deny
	Too short.	BackupData	Read/Write			
Verify Password:		Download	No Access			
	Show password	Multimedia	Read/Write		\square	
Phone number (optional):		Public	Read Only			
Email (optional):		Web	No Access			
Send a notification mail	to the newly created user 🥹	homes	No Access			
	ă.	localbackups	No Access			
				Create	С	ancel

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:



achup	Recovery	
Datas	Bet	
Da	itaAgent:	rswin7
Da	itaSet:	HD1
Ba	ckup Mode:	Local Backup
Back	up Types	
۲	Full 💿 Di	fferential
Provid	le Folder for Ba	ickup Data
Bad	kup to this fold	er for all local backups on DataAgent
V	192,168.0,110	BackupData
е	x: c:imydata, iin	nyserver\snareopatn
E	Create a sec	cond copy in folder below for base line import:
	1	
Post E	Backup	
Post E Avirt disk	3ackup ual disk can be can be loaded Restore as virti	created right after backup is completed. Virtual into Windows Hyper-V as virtual machine. ual disk at this folder:
Post E Avirt disk	Backup ual disk can be can be loaded Restore as virtu /irtual disk form	created right after backup is completed. Virtual into Windows Hyper-V as virtual machine. ual disk at this folder: nat: VHD
Post E Avirt disk	Backup ual disk can be can be loaded Restore as virtu /irtual disk form	created right after backup is completed. Virtual into Windows Hyper-V as virtual machine. ual disk at this folder: nat: VHD T
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Post E Avirt disk E Repli @ 1	Backup ual disk can be can be loaded Restore as virtu /irtual disk form cation .ocal backup w Replicate backu if checked,	created right after backup is completed. Virtual into Windows Hyper-V as virtual machine. ual disk at this folder: nat: VHD • ill be imported to cloud later up to: • • • • • • • • • • • • • • • • • • •



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						
R	User Description (optional)	User Group everyone				Edit
		Shared Folder Permi	ssion		(Close
osemane.						٩
Password:	0-64 characters	Folder Name	Preview	RO	RW	Deny
	Too short	BackupData	Read/Write			
Verify Password:		Download	No Access			
	Show password	Multimedia	Read/Write			
Phone number (optional):		Public	Read Only			
Email (optional):		Web	No Access			
Send a notification mail	to the newly created user 😣	homes	No Access			
		localbackups	No Access			
				Create	С	ancel

3. Set Local Backup Folder for DataAgent

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



Specify th	e drive letter for the connection and the folder that you want to conr	nect to:
Drive:	Z; •	
Folder:	\\192.168.0.110\BackupData	wse
	Example: \\server\share	
	Reconnect at logon	
	Connect using different credentials	
	Connect to a Web site that you can use to store your documents	and pictures.

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.



Inter Netv	Jork Password
inter your pa	sword to connect to: 192.168.0.110
	RSWIN7\rssmb
	192.168.0.110\admin
	•••••
	Domain: 192.168.0.110 Image: Comparison of the second seco
	Insert a smart card
	OK Cano

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



ckup	Recovery	
Datas	Bet	
Da	itaAgent:	rswin7
Da	itaSet:	HD1
Ba	ckup Mode:	Local Backup
Back	up Types	
۲	Full 🔘 D	ifferential
Provid	le Folder for B	ackup Data
Bad	kup to this fold	der for all local backups on DataAgent
z	1:	
е	x: c:\mydata, \\	myserver\sharedpath
Post E Avirt disk	3ackup ual disk can be can be loaded	e created right after backup is completed. Virtual Linto Windows Hyper-V as virtual machine.
Post E Avirt disk	3ackup ual disk can be can be loaded Restore as vir	e created right after backup is completed. Virtual I into Windows Hyper-V as virtual machine. tual disk at this folder:
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Post E Avirt disk	Backup ual disk can be can be loaded Restore as viri /irtual disk form cation .ocal backup v Replicate back Delete loc if checked,	e created right after backup is completed. Virtual I into Windows Hyper-V as virtual machine. tual disk at this folder: mat: VHD • vill be imported to cloud later up to: • • • •