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# rdx QUIKSTOR

#### INTEGRATION BRIEF

# Integrating RDX<sup>®</sup> QuikStor<sup>™</sup> into SnapServer<sup>®</sup> NAS Backup

SnapServer NAS Systems provide an OS-built in utility to enable scheduled backups on direct attached RDX QuikStor device to secure business critical data. With this integration, users can implement a full disaster recovery solution with media rotation.

Even all SnapServer 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 RDX QuikStor devices.

The RDX QuikStor removable storage system is a media based rugged, reliable and convenient backup system which fits perfectly into a professional backup strategy. With its USB3+ technology, RDX QuikStor easily attaches to SnapServer NAS system's USB3.0 port and is ready to go.

After the backup job has completed, the RDX QuikStor 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 as well as virus and ransomware attacks.

The following guide explains how to integrate a RDX QuikStor drive directly to a SnapServer NAS system and how to schedule a backup job.



RDX QuikStor combines the benefits if Disk and Tape SnapServer NAS Systems provide a direct backup to RDX QuikStor



### Create a backup job



Make sure that your SnapServer is at latest OS level.

Connect your RDX QuikStor drive to the USB3.0 port, insert an RDX media.

Start the SnapServer management application and login.



The system has been configured with 2 shares. These shares

Click on "Administration".

The main menu is displayed.

Click on "Storage".





	Server	Netw	ork	Storage		Security	Mo	nitor	Maintenance	1	
	Sto	rage Pools	Volumes	Snapshots	ISCSI	Snap ECR	Disks	RDX QuikSt	ar		
Storage Pools	Create and	manage S	torage Po	ools.							
Volumes	Use volume	s to partiti	on a Stor	age Pool into	one or r	more distinct	storage	areas.			
Snapshots	Use snapsh users the al	ots to bac bility to res	k up a Sti tore files	brage Pool an from mounted	d ACL s i snapsi	ettings as panot shares.	art of you	ir disaster re	cover strate	gy and gi	ve
ISCSI	Create and	manage is	SCSI disk	S.							
Snap ECR	Schedule er SnapScale	ncrypted co clusters.	ontinuous	replication of	data fro	om this Snap	Server to	o other Snap	Servers, Sna	apCLOUE	Os and
Disks	View all disl	k drives.									
RDX QuikStor	Manage RD server.	X <sup>®</sup> QuikSt	or™ docl	s and cartride	ges; cop	y data and s	schedule	backups bet	ween RDX G	uikStor a	and this
					Close	l					

The storage menu is now displayed.

Select "RDX QuikStor".

snap	Server CC-XSD40	· RDX QuikStor	r				12:03 👘	8 & 4	≷?^
		Server	Network	Storage	Security	Monitor M	aintenance	2	
		Storage	Pools Volumes	s Snapshots	ISCSI Snap ECR	Disks RDX QuikStor			
	2 RDX docks conner	cted. 2 RDX cartri	idges. Click an I	RDX cartridge to	view or edit proper	iies, copy data, format a	nd eject.		
	RDX Dock 🛆	RDX Cartri	dge	Sta	itus	Used %	Free	Size	
	rdx 6980289436	85860133 RDX)	39980 (1TB		ок	28%	661.84 GB	931.51 GB	
	7780514523	85860187 RDX XFS	70752 (1TB 5)		ОК	39%	560.87 GB	931.05 GB	
		-	RDX Ba	ckup Schedules	Refresh	Close			H

Our SnapServer has already 2 RDX QuikStor drives connected. This would enable us to perform mutiple backup jobs on different media.

Click on "RDX Backup Schedules".

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1		Server	Netw	ork	Storage		Security	M	onitor I	Maintenance			ĺ	2		
			Storage Pools	Volumes	Snapshots	ISCSI	Snap ECR	Disks	RDX QuikSto	r						
				т	here are no	backup	schedules									
			-	Create	e Schedule	Ref	resh	Close								
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Initially, there are no backup jobs scheduled.

Click "Create Schedule".



		Documents			
File Home Share View	N				~
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6 items	¥				(H) (

For our backup job, we created the subdirectory "Documents" on share1 as the backup source.



The following steps are required to create a backup schedule:

- Assign a name
- Select the backup type
- Select the volume and the subdirectory which should be backed up
- Select the appropriate RDX drive as the backup target
- Define a schedule
- Choose the backup options

Click "Create Schedule".

#### **Useful hints**

We highly recommend to perfom backups to multiple RDX media using media rotation for full disaster protection. Select "By Dock" as the backup type to be able to run the backup job on multiple RDX media. We recommend rotating the RDX media every morning after entering the office.

The backup job should be scheduled at after-office hours.

If you need to keep multiple recovery points, choose "Create a new folder for each backup". In this case you could restore your data from a previous backup in case of a virus or ransomware attack.

Choose "Eject target cartridge when backup completes" to get a visual confirmation of the backup and a reminder to rotate your media.

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### Download and install the backup software Hyper Backup

Server	r Netw	ork	Storage	1	Security	Mo	onitor	Maintenance			
	Storage Pools	Volumes	Snapshots	ISCSI	Snap ECR	Disks	RDX QuikSto	or			
Warning: Existing data on a	ny cartridge inse	erted into t	arget RDX do	ck 698	0289436 ma	y be del	eted when th	is backup sch	nedule r	uns.	
Are you sure you want to cre	ate backup sch	edule Daily	Backup to F	RDX?							
			Create Sched	lule	Cancel						

If you have chosen backup option 1 from the previous screen, you should be aware, that existing data may be deleted before running the backup job.

Click on "Create Schedule".



The creation of the backup job is complete. If will start to run according to the specified schedule.

You could run the backup on any time by clicking the blue arrow.



### Run the backup job

Server	Netw	ork	Storage		Security	Ma	nitor	Maint	enance		
	Storage Pools	Volumes	Snapshots	ISCSI	Snap ECR	Disks	RDX Qui	kStor			
Are you sure you want to star	t a backup now	for sched	ule Daily Ba	ckup to	RDX?						
				_							
			Start Back	up	Cancel						

This screen appears, if you have started the backup job manually.

Click "Start Backup".







The Backup job is finished. A brief status of the job is displayed.

To get detailed information click the "page sign".



#### Performing a restore

	Server N	letwork	Storage	Security	Monitor	Maintenance	
	Storage Po	ools Volumes	Snapshots is	SCSI Snap ECR	Disks RDX Qui	Stor	
2 RDX docks connect RDX Dock A	ed. 2 RDX cartridg RDX Cartridg	jes. Click an Rl	DX cartridge to v State	iew or edit proper us	ties, copy data, forr Used %	mat and eject. Free	Size
rcx 6980289436	8586013399	980 (1TB	c	ж	28%	661.63 GB	931.51 G
rdx 7780514523	8136( Click t	to view or edit pr	operties and perfo	rm operations for c	artridge 85860133998	0 560.87 GB	931.05 G
	Τ	RDX Back	aup Schedules	Refresh	Close		
	T	RDX Back	up Schedules	Refresh	Close		

To perform a restore, choose "Storage" from the main menu and click "RDX QuikStor".

Choose the appropriate RDX QuikStor drive you want to perform a restore by selecting its serial number.







Select the directory or file you want to restore in the right hand window.

Select the destination in the left hand window.

Click the appropriate copy button.



### Performing a restore



A confirmation window pops up. Click "Begin Copying".

The missing file has been restored.

Click "Close".







To get detailed information click the "page sign".

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