

INTEGRATION BRIEF

Flexible Backup with RDX

111

Using Veritas Backup Exec with RDX QuikStor

March 9, 2021



Overland-Tandberg RDX QuikStor

The RDX QuikStor removable disk storage system offers rugged, reliable and convenient storage for backup, archive, data interchange and disaster recovery. RDX is endorsed by all major OEMs, provides high performance up to 430GB/hr* and capacities up to 5TB per cartridge.

* depending in media and interface type

Veritas Backup Exec

Backup Exec[™] gives you fast, simple, complete, cost-effective protection and recovery for your data, wherever it lives. Veritas Backup Exec focuses on keeping data protection simple, secure and unified. You choose what to back up, where to store it and how to pay for it. Your data remains secure and available at every stage.

Configuring Storage

Before RDX can be used as a backup target, RDX QuikStor needs to be configured as a backup target. Select **Storage** from the main menu and click on **Configure Storage**.





ę	Configu	ure storage on DEMO-BACKUPEXEC -		\times
1	Whick	n type of disk-based storage do you want to configure?		
1				
	9	Disk storage Storage on a volume, a hot-swappable device, a USB device, or a FireWire device.		
		Disk cartridge device Storage on a device that uses disk cartridge media, such as an RDX device, or devices that appear as removable storage, such as USB thumb drives.	in Windo	ws
		Deduplication disk storage Storage on a volume on which only unique data is stored to reduce the size of backups.		
	Ţ	Import a legacy backup-to-disk folder Storage on a folder on a disk that was created with a previous version of Backup Exec. You can im existing backup-to-disk folder.	port an	
Į				
,	What are	the different types of disk storage? Sector Sec	Cance	

Select **Disk cartridge device** as Backup Exec has already

included a preset for RDX.

Click **Next**.

陰 Configure	storage on DEMO-BACKUPEXEC	_		×
What na device?	ame and description do you want to use for the disk o	artrid	lge	
Name:	RDX Drive			
Description:	RDX QuikStor			
	Sack Nex	t >	Cance	el 🛛

Assign a name and a description for the RDX backup target (here we have chosen **RDX Drive**).

Click Next.

Select the drive letter of the desired RDX drive (**F**: in our case)

Click Next.





Configure storage on DEMO-BACKUPEXEC		-		×
Storage configuration summa	ary			
Storage category				~
Storage type Disk cartridge device				~
Name and description for the disk cartridge devi	ice			$\hat{\sim}$
Name:	RDX Drive			
Description:	RDX QuikStor			
Disk cartridge device location				
Drive letter:	E:			
	< Back	Finish	Canc	el

Check all your setting. If changes need to be done, click **Back**, otherwise click **Finish**.

Sort and Filter *	Pause Disable Offline	Configure Storage	Configure Cloud Storage	Delete	Scan Inve	entory Catalo	g Inventory and In Catalog now	hitialize Eject Clean	label Import E	xport Erase Restore	
liews	State		Configure			All Ch	Stor	rage Operations		Media Op	erations
			Charles		Channe T	All Stor	age	Channel Transferre	Count		UX Drive detail
CDrive (FLDR00000 QuikStor	2)		Online		Disk cartr	ridge device	Active Alerts	storage menuing	Capacity	20.3 GB used of 1.	86 TB
Apark and											
	Contand Filter - Filter - Filter - Filter - Control (FLDR000000 QuidSor	Soft and Finds - State Chrive (FLDR000002) Guidder	Soft and Filter * Configure Filter * State	Soft and Filter - State Configure Configure Configure Filter - Configure Con	Soft and Filter * Configure Configur	Soft and Filter - State Configure Co	Sort and Finer State Configure Confi	Sort and Time* Of Chiline Configure	Soft and Timer* Offline State Configure Configure Configure Son Inventory Configure Configure Son Inventory Soft and Configure Son Inventory Configure State Son Inventory State Son Inven	Soft and Finter Offline State Configure State Configure Count State Sant State State State	Sort and Timer Offline Configure State Configure State Sam Inventory Cataling Underson Nentory Cataling State Storage Operations Media Op Media Op Media Op Media Op All Storage State Storage Type Active Allers Storage Trending Capacity Online Disk cartridge device I

RDX QuikStor is now ready to use and displayed under the available storage devices.



Create a Backup Job

Now we are ready to create a backup job.

<u> </u>							
Ø Veritas Backup Exec™							
(2) Hon	Backup and Restore	Job Monitor	E Storage	Reports Instant	Cloud Recovery		
Standard Tr	ree 🤤 🔮 One-Time Backup	• 😜 Restore		Convert to Virtual	• 🛛 🔯 Instantly R	ecover a VM	🐺 Validate VM for
Compact	Backup Galendar	📤 Search			🛀 Remove a	Recovered VM •	
Y Sort and Filter •		😰 Create Di	saster Recovery Disk				
Views	Backups		Restores	Conversions	Instant	Recovery	Recovery Re
Servers			l	All Servers 🔹			
lobs	Name 🗢	Server	Storage	Job Type	State	Job Status	
Job History							
Active Alerts							
				No jobs	oviet		
				NO JODS	exist.		

From the main menu choose **Back-up and Restore**.

Select Backup.

🔞 Veritas Backup E	xec™							
(ھ	C Home	Rackup and Restore	Job Monitor	Storage	III. Reports	Instant Cloud Re	covery	
Compact	List B	Cone-Time Backu Backup Calendar	P * Estore b Search Create D	oackup sets created isaster Recovery Dis	l by this job sk	Convert to Virtual •	💱 Instantly 🖳 Remove	Recover a VM a Recovered VM •
Views		Back Up to Cloud			-		Instar	nt Recovery
Servers	Na	Back Up to Disk Cartridg	e		-		Job Type	State
JODS		Back Up to Disk Cartridg	e and then Duplica	te to Tape	-	• 🦛 🗕		
Job History		Back Up to Disk Cartridg	e and then Convert	to Virtual Machine	-	• 🍋 🗕 🌗		
Active Alerts		Back Up to Disk Cartridg	e and Simultaneou	sly Convert to Virtu	al Machine 🛛 💻	+ 🝋 + 📑		
		Back Up to Disk			-			
		Back Up to Disk and the	n Duplicate to Disk	Cartridge	-	- 🔛 - 🍋		
		Back Up to Disk and the	n Duplicate to Tape		-	→ 🔤 → 🚾		
		Back Up to Disk and the	n Convert to Virtual	Machine	-	• 🚑 🗕 🌗		
		Back Up to Disk and Sim	ultaneously Conver	t to Virtual Machine	e 🛋	• 🚇 + 😑		
		Back Up to Tape						
		Create a Synthetic Backu	p					
		Create a Forever Increme	ental Backup for Vir	tual Machines		- 2		

As we just describe here a backup to RDX QuikStor, choose **Back Up to Disk Cartridge** from the list box.



Now it is time to define the backup options. Please refer to the Backup Exec manual for details. We just decribe a simple backup here.

At the left panel click **Edit** to select the backup sources.

Demo-BackupExec Backup 00010	Demo-BackupExec Browse Selection Details		Simplif	fied Disaster Reco	very: OFF 🥯
	Iag as business-critical	s business-critical			
	✓ ✓	Name	Size	Туре	Modified Ti
	• 🗹 🖻 D:	Documents		Hie Folder	3/4/2021 /
+ - (=)	< >>	<			>





Select the drives, directories or files you want to be backed up.

Click OK.

The backup source is now defined (drive D: in our case).

Don't forget to give the backup job a name and a description (here, we have choosen **Backup important documents to RDX**).

Now click **Edit** at the right hand panel to define further backup settings.

Beside individual options, we want to mention one important setting.

To choose the RDX QuikStor for the dedicated backup target click **Storage** at the left hand panel and choose the **RDX drive** as a full and incremental backup target.

Click **OK**.



Image: Compart Standard Image: Compart	alidate VM for Recovery
Implementation Implementatio	alidate VM for Recovery
All Servers All Servers	
Jobs Name Server Storage Job Type State	Job Status
Backup important documents to RDX Demo-BackupExec RDX Drive Backup Scheduled: Backup important to RDX-Full documents to RDX-Full	ortant 🕓 Scheduled
Active Alerts	
4 m	

The backup job is now created.



Run Backup Job

Now we are ready to run the backup job.

ome	Rackup and Restore	Job Monitor	Storage	LL Reports	Instant Cloud R	ecovery			
Tree List	Backup	● ▼ ≧ Resto	re backup sets created h e Disaster Recovery Di:	by this job k	Convert to Virtual	• 🔯 Inst	antly Recover a VM nove a Recovered VM •	Validate VM for Recov	Jobs
	Backups		Restores		Conversions		nstant Recovery	Recovery Ready	
				All Servers	5 -	💷 Ea	dit 🛛 村 Priority 🔹	🕕 Hold 🔹	🂁 View Job Histor
Name	· *		Server	Storage		Job D	elete 🛞 Run Now 🔫	🖉 Test Run	
•	Backup important docum	ents to RDX	Demo-BackupExec	🐃 RDX Dri	ve	Back	documents to R	Jobs DX-Full	·····
1					_				``````````````````````````````````````
PEXEC	Alerts 😣 :0 🔥 0 🔽 (dol 0 🞧 0	s 🕸 1 📼 0 🖄 0	* *					VERITAS

The backup job will start upon the defined schedule. Under the **Jobs** menu select **Run Now** to start the job immediately.

0	ne	Backup and Restore	Job Monitor	Storage	lil. Reports	Instant Cloud Re	ecovery					
	Tree List	Backup Calenda	ıp • 20 Resto r al Search 20 Create	re backup sets created i 1 e Disaster Recovery Disk	by this job	Convert to Virtual	• 💱 Instantly R	Recover a VM	👼 Validate V	M for Recovery	Jobs	
		Backups		Restores		Conversions	Instant	t Recovery	Recove	ry Ready		
Γ						All Servers •						
	Name	*		Server	Storage		Job Type	State		Job Status		Byte Count S
	•	Backup important docu	ments to RDX	Demo-BackupExec	🐃 RDX Dri	ve	Backup	Active: Backup in documents to RD	nportant X-Full	Active: Disco	vering Resources - Back 00:00:32	0 Bytes 0.00 MB/min

The backup job is running.

The backup job finished successfully.

Ø Veritas Backup Exec [™]										- 0) ×
<u>ا</u>) me	Restor	re Job Mor	nitor Storag	e f	III. Reports Instant Cl	loud Recovery				
Standard Compact	Tree List	Backup Backup Cale	ackup • ""∐i F ndar as S S	Restore iearch Create Disaster Reco Restores	very Disk	Convert to Virtual •	Instantly Recov	ver a VM overed VM •	Validate VM for Reco	very Ø	
Servers					All	Servers -					-
laha.	Nam	8 🔺	Server	Storage	Job Typ	B Job Status	Percent Complete	Start Time	End Time E	lapsed Time By	te Count
Jobs History		Backup important d	Demo-Backu.	RDX Drive	Backup	Successful	100%	3/5/2021 3:57:42 PM	3/5/2021 3:58:54 PM	00:01:12	13.8 MB
Active Alerts											
DEMO-BACK	UPEXE	:C Alerts 🐼 0 👍	0 😨 0 🕠	0 Jobs 🕸 1 🥫	0 🏖 0	* *				,	/ERITAS



Create and run a restore job.

Restore is just as important as a backup.

Backup and Restore Job	Monitor Storage Ref	II. ports	Instant Cloud Re	covery				-		×
Backup •	 Restore backup sets created by this Search Create Disaster Recovery Disk 	job	to Virtual •	💱 Instantly F 🙀 Remove a	lecover a VM Recovered VM •	😿 Validate \	/M for Recovery	Job]	
Backups	Restores		Conversions	Instant	Recovery	Recov	ery Ready			
	Restore	I Servers	; -							
ame 🔺	Browse the backup sets from a single server, and then restore the	ge		Job Type	State		Job Status			
Backup important documents	data.	DX Drive		Backup	Scheduled: Backu documents to RD	p important X-Full	() Scheduled			

From the main menu select **Backup and Restore**.

Select **Restore backup sets** created by this job to create a restore job.

Select which data you want to restore. In our case, we choose **Files, folders, or volumes**.

Click Next.



Restore Wizard	- D >
What do you want to restore?	
File and folder backups to a point-in-time Browse the backup sets to find files, folders, or volumes to restore. Backup Exec uses the related backup sets, to restore the data to the point-in-time at which the backup set was	backup set that you select, as well as any created.
File and folder backups from a backup set Browse the backup sets to find files, folders, or volumes to restore. Backup Exec restores you select.	only the data from the backup set that
Files and folders located through Search Search for files, folders, or volumes in backup sets or archives, and restore selected items	

Select File and folder backups from a backup set.



Sestore Wizard				- 0	>
What files and folders do you want to restor	e?				
Resource View Details View			Ŀ	lest/Edit Crede	entials
✓ ✓ ୩ Demo-BackupExec	Name	Size	Type File Folder	Modified Tin	ne 54:08
✓ ✓ ♥					
	<				>
	<	< <u>B</u> aci	c <u>N</u> ext	> Can	ice

🐌 Restore Wizard				×
Where do you	want to restore the data?			
 To the original location 	n			
 To a different locatio 	n			
Drive:				
Example: \\server\dr	ine			
Daths			Provers	
Foundation Control of				-
Louispie, goost				
Server logon account	System Logon Account		Add/Ed	lit
 Note: If you restore that you have end 	e files from a volume that has Windows deduplication, Backup Exec places the files on the disk as non-ded ugh disk space to restore the non-deduplicated data before you run a restore job. For more information se	luplicate re: TECH	d. Ensure 204775	
 Note: During a reached by Backup Exec 	Jirected restore, you may not be able to restore some file system attributes from the original data. For more treats the file system attributes for different types of file systems, see: TECH205960	e inform	ation aboi	ut
Microsoft Virtual Har	d Disk (Windows Server 2008 R2 or later)			
Create a Virtual H	lard Disk for redirected data			
Create a differ	ent Microsoft Virtual Hard Disk for each backup set that is restored			
Create a single	2 Microsoft Virtual Hard Disk that contains the merged files and folders from all redirected backup sets			
VHD file name:				
What happens if I restor	z to a Virtual Hard Disk? < Back Next	<u> </u>	Cancel	

How do you want to restore operating system features? Restore Removable Storage data (Windows 2003 only) Retore disk quota data Innction points © Retore gintcion points, mount points, symbolic links, files, and directories Preserve existing junction points, mount points, and symbolic links, and restore files and directories	or Restore Wizard			×
Restore Removable Storage data (Windows 2003 only) Restore disk quota data Iunction points Restore junction points, mount points, symbolic links, files, and directories Preserve existing junction points, mount points, and symbolic links, and restore files and directories Wich options should telect? Value State Value Stat	How do you want to restore operating system features?			
Retore disk quota data Nunction points				
Retore dirk quota data Iunction points. Retore guiction points, mount points, symbolic links, files, and directories Preserve existing junction points, mount points, and symbolic links, and restore files and directories Which options should 1 select? Value 2010 Cancel	Restore Removable Storage data (Windows 2003 only)			
Unich options Bectore junction points, mount points, and symbolic links, and directories Preserve existing junction points, mount points, and symbolic links, and restore files and directories	Restore disk quota data			
Bettore junction points, mount points, and symbolic links, files, and directories Preserve existing junction points, mount points, and symbolic links, and restore files and directories	Junction points			
Which options should I select? < Back Next > Cancel	Restore junction points, mount points, symbolic links, files, and directories Preserve existing junction points, mount points, and symbolic links, and restore files and directories			
Which options should I select?				
Which options should I select? < Back Next > Cancel				
Which options should 1 select? < Back Next > Cancel				
Which options should 1 select? < Back Next > Cancel				
Which options should I select?				
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Which options should 1 select? < Back Next > Cancel				
Which options should 1 select? < Back Next > Cancel				
Which options should 1 select? < Back Next > Cancel				
Which options should I select?				
Which options should I select? < Back Next > Cancel				
Which options should I select? < Back Next > Cancel				
Which options should 1 select? < Back Next > Cancel				
Which options should I select? < Back Next > Cancel				
Which options should I select? < Back Next Cancel				
Which options should I select? Cancel				
Which options should I select? Cancel				
	Which options should I select? < Back	Next >	Cancel	

Select the restore point (date of backup) and select the folder or files you want to restore.

Click **Next**.

Backup Exec offers different options for the restore. Here, we select **To the original location** as the backup destination.

Click **Next**.

Select your options and click **Next**.

🐌 Restore Wizard		— 🗆 X
What additional tasks d	o you want to perform before and/or a	after a restore?
Run a command before and/or after	er the restore	
Type a command to run before the r	estore runs:	
Type a command to run after the res	tore runs:	
Let Backup Exec check the exit Run job only if pre-command is Run post-command only if pre- Run post-command if not complete wi Run these command: Con this Backup Exec server On each server restored to Notification Select each recipient to notify when	odes of the commands to determine if the commands complete successful fails thin <u>30 P</u> minutes he job completes.	ed successfully
Recipient Name 💌	Recipient Type	Manage recipients
include the job log in email notif	cations	Properties
Which options should I select for the ad	ditional tasks?	< Back Next > Cancel

h Restore V	Vizard				×
What j	ob name and schedule do you want to use?				
Name:	Restore important documents from RDX				
Schedule:	Run now				
	Run gn: 3/4/2021 6:57 PM				
	Create without a schedule				
	Options				
	Schedule Queue				
	Reschedule the job if it does not start 24				
	Cancel the job if it is still running				
	Submit job on hold				
		< Back	<u>N</u> ext >	Cance	el 👘

Restore Wizard			
Restore Summary			
Data to restore		~	1
Restore:	Files, folders, or volumes		
lype of data		~	
Type:	File and folder backups from a backup set		
elections		~	
Indude -** (Subdir)			
ocation to restore to		~	
Restore to original location:	Yes		
ile integrity, hierarchy, and security options		~	
Restore files that were corrupt or incomplete in the backup:	No		
Recreate the directory structure from the backup when the data is restored:	Yes		
Restore existing files:	Overwrite the file on disk only if it is older		

You might define a pre- and/ or post-script command for the restore job.

Click **Next**.

Define a name and a schedule for the restore job.

Click **Next**.

Check all your setting. If changes need to be done, click **Back**, otherwise click **Finish**.

The restore job starts according to the defined schedule.

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وھ)	C Home	Rackup and Restore	Job Monitor	Storage	Reports	Instant Cloud F	Recovery					
Standard Compact	Tree List	Cone-Time Back Backup Backup Calenda	ar 🕹 Resto	re backup sets created n e Disaster Recovery Di	l by this job sk	Convert to Virtua	I • 💓 Instanth	y Recover a VM e a Recovered VM ▼	Recovery Ready •	Jobs Cre	dentials	
Views		Backups		Restores	All Servers	Conversions	Insta	ant Recovery				
Lobe	Nan	ne 🔺		Server	Storage		Job Type	State		Job Statu	IS	
1005	• (Backup important docu	uments to RDX	Demo-BackupExec	🗮 RDX Drive	e	Backup	Scheduled: Back documents to Ri	up important DX-Incrementa	() Sche	duled	
Job History	Ž	Restore important docum	ents from RDX	Demo-BackupExec			Restore	Active		Activ	e: Queued	
Active Alers												
	<											>
TE DEMO-BA	CKUPEXE	C Alerts 🔯 🔍 🔼 🔍 😭	lo 🕰 lopa	: 🚾 2 😥 1 🌌 0	S 6						VE	2117/5

🔞 Veritas Backup B	xec™									-	o x
	C Home	Backup and Restore	Job Monitor	Storage	LIL Reports	Instant Cloud Re	ecovery				
Compact	Tree List	ackup € Backup Calendar	p ▼ 🐉 Restor 🚔 Search 😭 Create	re backup sets created n e Disaster Recovery Di Restores	d by this job sk	Convert to Virtual	Instantly Remove	Recover a VM a Recovered VM •	Validate V	/M for Recovery	3 5
Servers		Duckups		nestores	Demo-Bac	kupExec •	insta	it necovery	heed		*****
lobs	Nan	ne 🔺		Server	Storage		Job Type	State		Job Status	
Job History	•	Backup important docur Full backup, Incremental backup	nents to RDX	Demo-BackupExec	🐃 RDX Dr	ive	Backup	Scheduled: Backu documents to RD	ip important X-Full	() Scheduled	
Job mistory	Z	Restore important docume	nts from RDX	Demo-BackupExec			Restore	Completed		Successful	
Backup Sets											
Active Alerts											
Credentials											
Properties											
		C Alerts 🚱 0 🔥 0 🔽	0 💿 0 lobr	🤹 🦗 2 💌 n 🗫 n			_				
	ACKOPLAL				- or or						

The restore job completed successfully.



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