

ExaGrid

Using Veeam Backup and Replication™ Software With an ExaGrid System

Copyright

No part of this document may be reproduced or transmitted in any form or by any means without the express written permission of ExaGrid Systems, Inc.

© 2003-2011 ExaGrid Systems, Inc. All rights reserved. Printed in USA.

This document, the associated software, and the associated online documentation are the property of ExaGrid Systems, Inc. or its licensors, as applicable, and are loaned to the user under the terms of the ExaGrid Systems, Inc. End User License Agreement. Unauthorized copying or use of the software or any associated materials is contrary to the property rights of ExaGrid Systems and is a violation of state and federal law.

Trademarks

ExaGrid is a registered trademark of ExaGrid Systems, Inc. ExaGrid Systems (Logo), InstantDR, InfiniteFiler, GRIDdisk and Intelligent Disk-based Data Protection are all trademarks of ExaGrid Systems, Inc. All third-party trademarks are the property of their respective owners.

License Agreement

This document, the associated software and the associated online documentation are the property of ExaGrid Systems, Inc. or its licensors, as applicable. The use of these materials and the software is strictly limited to those users who have signed the ExaGrid Systems, Inc. End User License Agreement.

For any software acquired directly or indirectly on behalf of a unit or agency of the United States Government, whether for civilian agencies or for units of the Department of Defense, the software is a commercial item or commercial computer software (and documentation), and pursuant to Section 12.212 of the Federal Acquisition Regulations (FAR) or DoD FAR Supplement Section 227.7202, is provided under restricted rights as enumerated in the End User License Agreement.

Preface

This guide provides instructions on how to use the Veeam Backup and Replication Software backup product with the ExaGrid System. This guide assumes the reader is experienced with Veeam and the ExaGrid System.

Veeam provides a number of ways to backup data. This guide provides basic backup examples. More experienced users will be able to use the information provided in this guide and build more complex backup schemes.

Purpose

The purpose of this guide is to suggest configurations, processes and procedures that will optimize the use of Veeam with the ExaGrid System.

Related Documentation

Title	Part Number
ExaGrid Administrator's Guide	210-0165-xx
ExaGrid Release Notes	210-0174-xx

Contacting ExaGrid Technical Support

If you have technical questions about this product that are not answered in this document contact ExaGrid Support:

- Email: support@exagrid.com
- Phone: 800-868-6985 and at the prompt, press 2.

Contents

1. Using Veeam 5.x With an ExaGrid System 1

ExaGrid Shares 2

ExaGrid Share Considerations 3

How to Create a Veeam 5.x Share 4

Recommended Veeam 5.x Job Settings 5

Creating a Veeam 5.x Backup 8

2. Recovering 14

Disaster Recovery 15

Using Veeam 4.x With an ExaGrid System 16 How to Create an ExaGrid Utility Share 17 Recommended Veeam 4.x Job Settings 18

Using Veeam 5.x With an ExaGrid System

This guide provides a basic example of how to use Veeam 5.x to backup to an ExaGrid Share.

Experienced Veeam 5.x users will be able to use the information provided in this guide and build more complex backup schemes.

The ExaGrid System supplements Veeam 5.x's backup capabilities, providing improved data protection management, fast and reliable online data restores, enhanced security, and rapid data recovery from system or site disasters.

The ExaGrid System Architecture is described in detail in the *ExaGrid Administrator's Guide* and ExaGrid online help. The following architectural information may be of particular interest to Veeam 5.x users:



- A Veeam 5.x Server writes to an ExaGrid Share on an ExaGrid Server using the CIFS protocol.
- The first time the backup job is written to an ExaGrid System, there is nothing for it to deduplicate against; so the ExaGrid System only compresses the backup.
- The next time the backup job writes to the ExaGrid System, the new backup is compared to the previous backup.
- The ExaGrid System keeps only the unique bytes in the previous backup.
- The ExaGrid System keeps the most recent version of the backup in its entirety.
- In dual site configurations, you can specify whether or not to maintain a copy of a share on the second site.

ExaGrid Shares

Before you can use Veeam 5.x to backup to an ExaGrid System, you must first create an ExaGrid Share. You will then use Veeam 5.x to write to the ExaGrid Share.

ExaGrid Share Considerations

How many shares to create, which ExaGrid Server(s) will host which shares and what data will be backed up to a share must be part of your overall backup strategy. As part of your strategy, consider:

- For systems with multiple ExaGrid Servers, creating shares on ExaGrid Servers in such a way that the backup load is evenly distributed across ExaGrid Servers.
- Creating no more than 20 shares per ExaGrid Server but no more than 80 shares per ExaGrid Site.
- Use unique share names across your ExaGrid System. You must use unique share names on each ExaGrid Server. In addition, ExaGrid recommends using unique share names across your ExaGrid System. Doing so will:
 - Make ExaGrid reports easier to interpret
 - Avoid share name conflicts in disaster recovery scenarios
 - Avoid share name conflicts if you decide to migrate a share to another ExaGrid Server
- Creating multiple shares. Doing so allows you to:
 - More easily manage and identify data contained in a share.
 - Group data that needs to be copied and protected to a second site. This will ensure that only the data that needs to reside on the second site is copied over your network, thereby keeping network traffic to a minimum.
 - More efficiently migrate shares to a new ExaGrid Server. The more data a share contains, the longer it will take to migrate. When creating shares and their associated backups, consider future growth of your system and which data you may want to move (migrate) to a ExaGrid Server in an expanded system.
- How many NICs are available on the ExaGrid Server being written to. Systems with multiple NICs allow you to write backup data from multiple sources to multiple shares.
- Veeam backup jobs with similar VM guest machines (platform, software, etc.) will get additional deduplication when sent to a common ExaGrid Veeam Share.

How to Create a Veeam 5.x Share

This section provides a very high-level description of how to create an ExaGrid Share. Detailed instructions on how to create an ExaGrid Share can be found in the *ExaGrid Administrator's Guide* and the ExaGrid online help.

To create an ExaGrid Share:

- 1. In the ExaGrid Manager's navigation tree, click the ExaGrid Server's name on which you want to create the share.
- 2. In the ExaGrid main menu, click Manage.
- 3. From the drop down menu, click **Shares**.
- 4. In the Task area click **New**. The Create New Share page is displayed.
- 5. From the drop down list select Veeam.
- 6. In the space provided, enter a name for the share. You must use unique share names on each ExaGrid Server. In addition, ExaGrid recommends using unique share names across your ExaGrid System. Doing so will:
 - Make ExaGrid reports easier to interpret
 - Avoid share name conflicts in disaster recovery scenarios
 - Avoid share name conflicts if you decide to migrate a share to another ExaGrid Server.
- 7. For multi-site systems, select whether or not you want to replicate (copy) the share to a second site. Putting a copy onto another site provides an additional layer of protection for your data.

For example, you can create a share dedicated to full backups and keep a copy of those backups on another site. At the same time you can create a share dedicated to incremental backups and not copy the share to the second site.

- 8. If the share is to be copied to another site, from the drop down menu, select the site.
- 9. Enter the IP address and subnet mask for the device(s) that will write to the share.

Note – Some devices may use more than one IP address. You must include all IPs/names of all devises (physical or virtual) that will write to the share.

10. Click Done.

Recommended Veeam 5.x Job Settings

Veeam 5.X users must use ExaGrid's Veeam Share as a mount point for Veeam to write its backups.

The following is a list of the settings required to use Veeam 5.x to backup to an ExaGrid System.

- Processing Mode Advanced dialog box:
 - You may use Encrypt LAN traffic as needed
- Backup Destination Advanced Settings, Backup tab:
 - Ensure **Reversed Incrementals** is unchecked
- Backup Destination Advanced Settings, **Storage** tab:
 - Check Enable inline data deduplication.
 - Set **Optimize for** as **Local Target**.
 - From the Compression drop down menu, select None
- Backup Destination Advanced Settings, Advanced tab:
 - Uncheck Enable automatic backup integrity checks.
- Synthetic backups
 - Synthetic backups are run on the ExaGrid Server that hosts the Veeam Share. To minimize the impact on system performance, ExaGrid recommends running synthetic backups according to Veeam's recommended recipe of: After the initial full backup, run daily incrementals and weekly synthetics.
- Instant Recovery, Sure Backup and Application Item Recover
 - These Veeam features may only be used from an ExaGrid Source Share. do not use them with an ExaGrid InstantDR Share.
- Guest File Level Recovery
 - May be used from either an ExaGrid Source Share or an ExaGrid InstantDR Share.
- Import
 - Veeam's Import function may be used to browse to and restore a file from an ExaGrid InstantDR share. However, you may not power on a VM that resides on an InstantDR share.
- Agent Nodes
 - Veeam allows you add Linux boxes as servers. ExaGrid Servers are Linux boxes and MAY NOT be added.

Deleting VMs from a backup file

Veeam provides a facility to delete individual VM backups from a backup job.

Instead of deleting VMs, ExaGrid requires changing backup jobs to stop backing up unwanted VMs. This will allow Veeam to age out the backup files that contain the unwanted VMs.

🔣 Veeam Backup and Replic	tation					_ 🗆 ×
Eile Edit View Tools	Backup Help Backup State State Fdit Backup Job	A 8		X	1	
Backup and Fepilcation Backup and Fepilcation Backups Backups Backups Backup Back	Virtual Machines Select virtual machines to process vis selection that automatically changes a Virtual machines to backup: Name TinyVM_N8 VEEXM_SUN1	container, or granularfy is you add new VM into Type Virtual Machine Virtual Machine	< Back Next >	Add Benove Egclusions Regalculate Total size: 60.05 GB	ed run 23/2011 8:04:31 23/2011 8:06:50 23/2011 8:06:50 23/2011 8:06:50 23/2011 8:06:50 23/2011 8:06:50 23/2011 8:06:50 23/2011 8:06:50 Yet acheduled>	Target ho: [My Comp [My Comp [My Comp [My Comp [My Comp [My Comp [My Comp [My Comp
1 objects selected	(Denside		License: Enterp	rise	VE	eam

In some cases, if you try to delete a single VM from a backup job an error dialog box will be displayed



Finally, if you do delete a VM from a backup job, Veeam will not recognize that backup file as one of its save points and will not age it out when it reaches the job's defined retention period. Such backup files must be removed manually:

- 1.Via Windows Explorer, access the ExaGrid Veeam share that contains the Veeam backup files.
- 2. Delete the Veeam backup files (.vbk and .vib) whose time stamp in the backup job's name is older than the backup job's defined retention period.

Creating a Veeam 5.x Backup

To create a Veeam backup job with the recommended settings:

1. In the Veeam main menu, click **Backup** and the backup wizard will start:



- 2. In the **Name and Description** dialog box, enter a name and description for the backup job.
- 3. Click Next and the Processing Mode dialog box is displayed:



4. Select a mode as needed.

5. Click **Advanced** and the Processing Mode Settings dialog box is displayed:

• Direct SAN ac	cess	
VM data is retrir server is conne	Processing Mode Settings	/eeam Backup
 Virtual Applia VM data is retrie Veeam Backup 	Failover ✓ Eailover to network mode if primary backup mode fails Encyption Concruet LAN traffic	only be used if equirements.
 Network VM data is retrix Device) protocr_ 	DK Cancel	(Network Block
Clink Advanced I	e exclamine follower and execution collings	Aduran

- 6. Check the **Failover setting** as needed.
- 7. Select Encrypt LAN traffic as needed
- 8. Click OK and the Processing Mode Settings dialog box closes
- 9. Click Next and the Virtual Machines dialog box is displayed:

or granularly. Container provides aw VM into container.	dynamic 🚺
Size	<u>A</u> dd
	Bemove
	Exclusions
	Regalculate
	Total size:
	0.00 KB
	Size

10. Click **Add** and the Add Objects dialog box is displayed:



- 11. Expand the objects tree until you find the virtual machine(s) you want to backup.
- 12. Select a virtual machine(s).
- 13. Click **Add** and the selected virtual machine is added to the list of virtual machines to be backed up:

Name	Tupe	Size	Add
C VEEAM_BCK1	Virtual Machine	222.00 GB	Egolusions Regalculat Total size: 222.00 GB

14. Add more virtual machines as needed.

15. When you are done adding virtual machines, in the Virtual Machine's dialog box click **Next** and the Backup Destination dialog box is displayed:

This com	puter or shared folder	▼ <u>H</u> ost F	roperties		
Path to fol	der.				
\\ExaGric	Server/VeeamShare			Browse	Check Space
File name:	BackupToExaGrid				
	nints to keep on disk:		14 📫		
Hestore po	, or don.				

- 16. In the destination space, keep the default of This computer or shared folder.
- 17. In the **Path to Folder** space, enter the fully qualified path to the ExaGrid Veeam Share that you created for this backup job.
- 18. Enter a **File name** as needed. Using the job name, which is the default, will make finding the file name easier.
- 19. Click Advanced and the Advanced Settings dialog box is displayed:

Backup D	Deduce made	
Specify wh	C Reversed incremental	
Destinati	 Detector incremental run produces full recovery file of the most recent state. Recommendel for backup to general purpose disk. Incremental Traditional incremental backup with periodic fulls. Recommended for 	
Path to f	Example surplication fulls (forever incremental)	
\\ExaGir	I Enable Synthetic ruis (rolever-inclemental)	Enace L
	Create on: Saturday	
File nam:	Create on: Saturday Transform previous full backup chains into rollbacks Allows to keep only one full backup file on disk to save disk space. Increases synthetic full creation time.	
File nam Restore	Create on: Saturday Transform previous full backup chains into rollbacks Allows to keep only one full backup file on disk to save disk space. Increases synthetic full creation time. Active full backup	
File nam Restore To view	Create on: Saturday Transform previous full backup chains into rollbacks Allows to keep only one full backup file on disk to save disk space. Increases swithetic full creation time. Active full backup Perform active full backups periodically C Monthly on: First Y Monday Y Mogths	nced
File nam Restore To view	Create on: Saturday Transform previous full backup chains into rollbacks Allows to keep only one full backup file on disk to save disk space. Increases synthetic full creation time. Active full backup Perform active full backups periodically C Monthly on: First Y Monday Y Months C Workhy on selected days: Days	nced

- 20. Ensure Reversed Incrementals is unchecked.
- 21. Enable synthetic fulls as needed

Note – Since synthetic backups are run on the ExaGrid Server that hosts the Veeam Share, to minimize the impact on system performance, ExaGrid recommends running synthetic backups according to Veeam's recommended recipe of after the initial full: daily incrementals, and weekly synthetics.

- 22. Make other selections as needed.
- 23. Click the **Storage** tab and the Advanced Settings for storage features are displayed:

	Advanced Setting		×	
New Backu	Backup Storage	Notifications vSphere Advanced		×
Backup D Specify wł only choos	Deduplication	ine data deduplication (recommended)		
<u>D</u> estinati	Compression			h
This co	Level:	None		
Path to f	į	Disabling compression is recommended when backing up to a storage device with hardware compression and deduplication.	Space	
File name	Storage Optimize for:	Local target		a
Restore	i)	Best performance at the cost of lower deduplication ratio and larger incremental backup size. Recommended for fastest backup to SAN, DAS or local storage.		
To view			nced	er ,
			Cancel	1 10
	,	OK Cancel		_

- 24. Check Enable inline data deduplication.
- 25. From the Compression Level drop down menu, select None.
- 26. From the Storage Optimize for drop down menu, select Local Target.
- 27. Make selections in the **Notification** and **vSphere** tabs as needed.

28. Click the **Advanced** tab and the Advanced Settings for the advanced features are displayed:

	Advanced Settings	×
New Backu	Backup Storage Notifications vSphere Advanced	×
Backup D Specify wh only choos	Backup options	
Destinati	Snapshot Safe removal for gnapshots larger than: 100 == MB	
Path to f	Integrity checks Enable automatic backup integrity checks Post job activity	Space
File name	Run the following command: Browse	
Restore	Run every 1 = backup cycle Run on sejected days only Days	
To view		nced
		Cancel
	OK Cancel	

- 29. Uncheck Enable automatic backup integrity checks.
- 30. Make other selections as needed
- 31. Click OK and the Advanced Settings are set
- 32. In the Backup Destination dialog box click **Next** and the Guest Processing dialog box is displayed:

	Enable application-aware image processing
	Quiesces applications inside processed VM using Microsoft VSS to ensure transactionally consistent backup, and configures them to perform required VSS restore step during next VM boot.
	Enable guest file system indexing
	Indexes guest OS files inside processed VM to enable browsing and searching for guest files in backup Indexing is completely optional, and not required to be able to perform instant file level recovery.
·G	Guest OS credentials
S	pecify the account with local administrator privileges on all VMs included in this job.
2	
U	Jsername: Biowse
U P	Jaemane: Browse

33. Set Guest Processing options as needed.

34.	Click Next	and the	Job	Schedule	dialog	box is	display	yed:
			-					/

b Schedule pecify the job scheduling optio pntrolled manually.	ns. If you do not set th	e schedule, the	job will need to	be
 Bun the job automatically Daily at this time: 	10:00 PM 🚊	everyday		Days
○ Monthly at:	10:00 PM	Fourth	Saturday	Mgnths
C Periodically every:	J1	Hours		Schedule
Automatic retry				
I™ Hetry failed VMs p Wait before each	rocessing: attempt for:	13 🕂 time:	s ites	

- 35. Set the job schedule as needed.
- 36. Click **Next** and the backup Job Summary is displayed:



37. Click Finish and your backup job will run according to schedule.

Recovering

Recovers are done from the Veeam user interface. Consult the Veeam documentation for details.

Disaster Recovery

A Veeam server close to the ExaGrid Site that hosts a replicated Veeam InstantDR Share can find and import backup(s) on a replicated Veeam Share.

Once imported, you must recover the entire VM (or entire disks in the VM). ExaGrid does not support booting a VM from an InstantDR share.

In case of a disaster, if a Veeam Share is replicated to another ExaGrid Site, the Veeam share can be recovered to the ExaGrid Site that hosts the replicated share. The recovered ExaGrid Share will become the primary share. In this case, because the recovered share is the primary share, you may, via Veeam, boot the VM directly from the recovered, primary share.

Using Veeam 4.x With an ExaGrid System

Veeam 4.X users must use ExaGrid's Utility Share as a mount point for Veeam to write its backups.

Utility Shares are designed to accommodate any data type. Data may be copied manually, through a script or from an application to a Utility Share.

- Data in Utility Shares is not deduplicated and can not be replicated to a second ExaGrid Site.
- You may only create one Utility Share per ExaGrid Server.
- When you create a Utility Share you must allocate a specific amount of storage space to the Utility Share. The space allocated is taken proportionately from the host ExaGrid Server's landing space and retention space.
- When you create a Utility Share, the amount of available landing space and retention space reported in Summary Reports will be automatically adjusted.
- When allocating space, you must consider the impact of the space allocation on your backup landing space as well as your retention space.

Caution – It is possible to allocate space for a Utility Share such that it interferes with your ExaGrid Server's ability to accept and retain backups from other backup applications. Because of this, ExaGrid recommends that you allocate no more than twenty percent (20%) of the ExaGrid Server's space to a Utility Share.

How to Create an ExaGrid Utility Share

This section provides a very high-level description of how to create an ExaGrid Utility Share. Detailed instructions on how to create an ExaGrid Utility Share can be found in the *ExaGrid Administrator's Guide* and the ExaGrid online help.

To create an ExaGrid Utility Share:

- 1. From the navigation tree, select the ExaGrid Server that will host the share.
- 2. In the main menu, click Manage.
- 3. From the drop down menu, click Shares. The Shares page is displayed.
- 4. In the Tasks column, click New. The New Share Wizard is displayed.
- 5. From the share type drop down menu, select Utility.
- 6. In the space provided, enter a name for the share.
- 7. Select **CIFS** as the protocol that Veeam will use to write to the ExaGrid Utility Share.
- 8. Use the Reserved Space slider to allocate space for the Utility Share.

Caution – A Utility Share's size should not exceed 20% of the total space on its host ExaGrid Server.

- 9. In the spaces provided, enter the Share Access Whitelist information:
 - a. In the spaces provided enter the IP address or DNS names of backup servers, media servers and other devices allowed to backup to this share. If a backup server uses multiple IP addresses, all IPs for that server must be entered in the list.
 - b. In the spaces provided, enter the subnet mask associated with the backup servers that are allowed to write to this share. If you have specified an IP address for the backup server(s), leaving this field blank will restrict access to the specified IP address.
 - c. To add IP addresses and subnet masks, click Add.

Note – Some devices may use more than one IP address. You must include all IPs/names of all devices (physical or virtual) that will write to the share.

- 10. Click **Create** and the new share confirmation screen is displayed.
- 11. Click **OK** and the new ExaGrid Utility Share is created.

Recommended Veeam 4.x Job Settings

The following is a list of the settings required to use Veeam 4.x to backup to an ExaGrid System.

- Veeam 4.x backups must be written to an ExaGrid Utility Share. Utility Shares are not deduplicated and can not be replicated to a second ExaGrid Site.
- A Utility Share's size should not exceed 20% of the total space on its host ExaGrid Server.
- The Utility Share must be set to accept CIFS backups.
- Veeam recommends that the amount of space allocated should equal the total size of the VM(s) being backed up.
- To minimize the amount of space consumed, in the job's Advanced Settings:
 - Check Enable inline deduplication
 - From the **Compression** level drop down menu, select **Optimal**.

To create a Veeam backup job with the recommended settings:

1. In the Veeam main menu, click **Backup** and the backup wizard will start:

New Backup Job			×
Name and Description Type in a name and description for this backup job.			
Name:			
BackupToExaGrid			
Description			
Centrel de Lorenzou de C.S. PM Deuter by APPS RIM Madministrator			
	< Bask	Next>	Cancel

- 2. In the **Name and Description** dialog box, enter a name and description for the backup job.
- 3. Click **Next** and the backup Mode dialog box is displayed:



- 4. Select VMware vStorage API.
- 5. From the Mode drop down menu, select Network.
- 6. Click Next and the Virtual Machines dialog box is displayed:

Yess	Cine		
Type	5428		Add
		1	Eyclusions
			Recalculate
		1	otal size:
			1.00 KB
	Туре	Type See	Type Size

7. Click Add and the Add Objects dialog box is displayed:



8. Expand the objects tree until you find the virtual machine you want to backup

ackup 15 Total Mac elect vitual mac Name Name	Add Objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects Select objects	Add. Centres Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Contre
	* Type an object name to search for Q	Cancel

- 9. Select the virtual machine
- 10. Click Add and the virtual machine is added to the Virtual Machine's dialog box:

iew Backup Job			x
Virtual Machines Select virtual machines to proc selection that automatically char Virtual machines to backure	ess via container, or granularly nges as you add new VM into o	Container provides container.	dynamic 🔡
Name	Tune	Size	Add
tting¥M4-3	Vitual Machine	29.00 68	Bemove Egolusions
			Total size:
			29.00 GB
	1	< Back N	est> Cancel

11. Add more virtual machines as needed.

12. When you are done adding virtual machines, in the Virtual Machine's dialog box click **Next** and the Backup Destination dialog box is displayed:

iew Backup Job		×
Backup Destination Specify where to store the backup files produced by this job, and addition only choose backup destination between computers added to the console	nal job settings. You can	
Destination: This consulter or shaved folder		
Path to folder: [\\172.22.1.190/ExaGidWeeklp	Browse Check Space	
Ele name: BackupToExeGrid		
To view or edit additional backup job settings; click Advanced	Advanced	
< <u>B</u> ack	Next> Cancel	J

- 13. In the **Path to Folder** space, enter the fully qualified path to the ExaGrid Utility Share that you created for this backup job.
- 14. Enter a **File name** as needed.
- 15. Click Advanced and the Advanced Settings dialog box is displayed:

A.	lvance	d Settings	
E	Genera	Compression vSphere Backup	
	Notif	ications	
	Г	Enable gmail notifications for this job	
	Г	Enable SNMP notifications for this job	
	Back	up options	
	Þ	Enable VMware tools quiescence	
	Integ	pity checks	
	P	Enable automatic backup integrity checks	
	Post	job activity	
	Г	Run the following gommand:	
			Upwas_
		🕫 Run every 1 🛨 backup cycle	
		C Run on selected days only	Days
4			
			OK Cancel

- 16. Set the General Advanced Settings as needed.
- 17. Click the **Compression** tab and the compression advanced settings are displayed:

idvanced Settings	×
General Compression vSphere Backup	
Deduplication	-
[Enable inline deduplication (recommended]	
Compression	-
Compression levet Optimal	•
Opinal concernion provider for bent concernion to performance ratio for typical backup rever.	
OK Ca	ancel

18. Check Enable inline deduplication.

- 19. From the **Compression level** drop down menu, select **Optimal**.
- 20. In the other Advanced Settings tabs, make other selections as needed.
- 21. Click OK and the Advanced Settings are set
- 22. In the Backup Destination dialog box click **Next** and the backup Consistency dialog box is displayed:

New Backup Job	×
Backup Consistency Microsoft Volume Shadow Copy Service (VSS) integration ensures that the produced virtual machine backup is transactionally consistent, as an opposite to crash-consistent.	
Enable Veeam VSS integration	
🗖 Continue backup even if Veeam VSS quiescence fails	
Default Veeam VSS agent credentials	
Specify the account with local administrator privileges on all VM included in this job. Username must be supplied in the DOMAIN/USERINAME format.	
Username: Bjowse	
Password.	
Advanced options	
To exclude certain VM or containers from Veeam VSS processing, or to granularly set credentials, click Advanced.	vanced
(Back New)	Cancel

- 23. Make Backup Consistency settings as needed.
- 24. Click Next and the Job Schedule dialog box is displayed:

New Backup Job Schedu Specify the ji controlled ma	tob le scheduling option nually.	s. If you do not set th	ne schedule, the job	will need to be	×
F Bunth ← Da ← Per	e job automatically ly at this time: iodically every:	10:00 PM	on week days Hours	v v	Dgyn Schiedule
Autom	atic retry Retry failed VMs pr ∭alt before each a	cessing: Rempt for:	3 times 10 times 10 times		
			< <u>B</u> ack	Greate	Cancel

- 25. Set the job schedule as needed.
- 26. Click **Next** and the backup Job Summary is displayed:

New Backup Job	×
VEEAM #1 for Virtualization	Completing the Backup Job Wizard. You have successfully created the new backup job. Summary Renet: Backup 40:2 Target Flank, 1V72.22.1.1906.sublick/weakly Target Flank, 1V72.22.1.1906.sublick/weakly Demotion: 7V72.22.1.1906.sublick/weakly Demotion: 7V72.22.1906.sublick/weakly Demotion: 7V72.22.1906.sublick/weakly Demotion: 7V72.22.1906.sublick/weakly Demotion: 7V72.22.1906.sublick/weakly Demotion: 7V72.22.1906.sublick/weakly Demotion: 7V72.22.1906.sublick/weakly Demotion: 7V72.22.1
	Bun the job when I click Finish
	<gack next=""> Enith</gack>

27. Click Finish and your backup job will run according to schedule.



ExaGrid

Using Veeam Backup and Replication™ Software With an ExaGrid System

Part Number: 210-0317-01

© 2003-2011 ExaGrid Systems

Printed in the U.S.A. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written permission of ExaGrid Systems