

Set Up and Configuration for Remote Sites

Technical Guide

Version: 3.0

Release Date: 2/18/2025



Contents

Overview
Prerequisites
Veeam Installation and Configuration3
Licensing3
Configure Email Notifications 4
Security4
Backup Infrastructure5
Backup Repositories5
Local Repository5
Wasabi Cloud
Scale-Out Repository7
vSphere Integration11
Backup Jobs12
Methodology12
Backup Job Setup12
Backup Copy Job Setup13
Configuration Backup Setup13
File Share Creation13
Repository Creation14
Config Backup Job Setup14
Testing Backup Jobs15

Overview

This document outlines how to set up and configure Veeam Backup and Replication for deployment at remote sites.

Note: All backups will be performed both locally and via Wasabi Cloud.

Prerequisites

Prerequisites
1. Dell T140 server meeting DOC specifications (1)
2. 2 TB hard disc to use for local backup storage (1)
3. Veeam Backup and Replication license (1)
4. VMware Remote Office Branch Office license (1)
An AD service account named: svc_<site #="">-veeam (Example: svc_246-veeam):</site>
 Should be added to the Organization's Service Accounts OU
 Needs to be a member of the Builtin Administrators group in AD
 Set password never expires
 Set user cannot change password
 Set a meaningful description for the account
6. Create a folder to receive the backup copies:
 Create folder on the local DC at D:\VeeamConfigs
Share the folder as VeeamConfigs\$ and set the following permissions:
Remove: Everyone
Add: Authenticated Users with Full Control
 Disable folder inheritance and set the following NTFS permissions on the share:
 Add: DOC\svc <site #="">-veeam with Modify permission</site>
Remove: DOC\Users

Veeam Installation and Configuration

Install the latest version of Veeam Backup and Replication software on the <site code>-UTY01 server to be deployed at each location and accept the defaults.

Licensing

1. To install the Veeam license, click the **Menu** icon **E**, then click **License**.

Configure Email Notifications

- 1. Click the **Menu** icon **E**, select **General Options**, then select **Email Settings** to configure email notifications.
- 2. On the **Email Settings** tab, set the following:
 - Check the box to enable e-mail notifications
 - SMTP server: <Local Domain Controller IP>
 - From: svc_<site #>-veeam@abc.org
 - To: adoe@abc.org; bdoe@abc.org; cdoe@abc.org; ddoe@abc.org
 - Uncheck Notify on warning
- 3. Click the **Test Message** button to send a test email and validate email delivery status.

Security

- 1. On the Veeam Console, click the Menu and select Users and Roles.
- 2. In the Security dialog box, add the following:
 - DOC\Domain Admins with role Veeam Backup Administrator
 - DOC\IT- Sys Admin with role Veeam Backup Administrator
- 3. Remove the following:

User or group	Role	Add
🕵 DOC\Domain Admins	Veeam Backup Administrator	Edit
🕵 DOC\IT-Sys Admin	Veeam Backup Administrator	Luitin
	_	Remove
		_

Administrators group

Backup Infrastructure

Backup Repositories

The DOC backup solution features backing up to both a local source and in the cloud. Due to the nature of how Veeam connects to the Wasabi Cloud, three (3) backup repositories should be created:

- 1. Local Repository
- 2. Wasabi Cloud Repository
- 3. Scale-Out Repository

Local Repository

Important Note: The local repository will be the SATA hard disk installed onto the ESXi host. It will need to be added as a datastore and mounted as the xxx-UTY01 server's V: drive, prior to setting up the repository. The steps are as follows:

- 1. Open the **Backup Infrastructure** area within Veeam.
- 2. Click Backup Repositories and select Add Repository.
- 3. Select **Direct attached storage**.
- 4. Select Microsoft Windows.
- 5. Enter the name Local Storage in the field and click Next.
- 6. Ensure the Repository server reflects the xxx-UTY01 server and click **Populate**. *The list of local drives on the server will be displayed.*
- 7. Select the V: drive and click Next.

New Backup Repository Server Choose reposi	itory server. You can select server from the li	ist of managed servers added to the co	onsole.	×
Name	Repository server:			
Conver	.org (Bac	:kup server)	~	Add New
Server	Path	Capacity	Free	Populate
Repository	😑 C:\	79.5 GB	47.6 GB	
Mount Server	🗢 D:\	399.8 GB	397.3 GB	
Would Server	⊂ V:\	929.8 GB	883.8 GB	
Review				
Apply				
Арріу				
		< Previous Next >	Finish	Cancel

- 8. In the Path to folder field, enter V:\Backups and click Advanced.
- 9. Ensure Use Per VM Backup Files is selected, click OK, then click Next.



- 10. Accept the defaults on the Mount Server screen and click Next.
- 11. Ensure all the settings are correct, then click **Apply**.

Important Note: Ensure there are no errors during the creation process.

Review Please review th	he settings, and click Apply to	continue.			
Name	Repository type:	Windows			
	Mount host:		.org		
Server	Account:	Not set			
Repository	Backup folder:	V:\Backups			
(cpository	Write throughput:	Unlimited			
Mount Server	Max parallel tasks:	4			
Review					
Apply	_				
Apply	The following compo	nents will be processed	on server	.org:	
Apply	The following compo	nents will be processed	on server	.org: Status	
Apply	The following compo Component name Transport	nents will be processed	on server	.org: Status already exists	
Ъррly	The following compo Component name Transport vPower NFS	nents will be processed	on server	org: Status already exists already exists	
Ъррју	The following compo Component name Transport vPower NFS Mount Server	nents will be processed	on server	org: Status already exists already exists already exists	
Аррly	The following compo Component name Transport vPower NFS Mount Server	nents will be processed	on server	org: Status already exists already exists already exists	
Apply	The following compo Component name Transport vPower NFS Mount Server	nents will be processed	on server	org: Status already exists already exists already exists	