Veeam Full Restore

Monday, October 29, 2018 9:12 AM

This document is showing a full restore of Veeam if it needs to be rebuilt (assuming no hardware loss, no loss of database, and database being online/accessible)

Step 1. Deploy new Windows server (VM or physical does not matter)

Step 2. Once Windows server is online, copy Veeam installer to local storage (could also mount ISO if server is a VM)

Step 4. Log onto Veeam server as local administrator.

Step 5. Start Veeam installer (install button on left of menu in screenshot):



Step 6. Accept EULA:

📴 Veeam Backup & Replication Setup	—		×
License Agreement Please read the following license agreement carefully.			乮
Veeam Software ("Veeam") End User Software License Agreement ("EULA")			^
IMPORTANT - READ CAREFULLY This EULA is a legally binding agreement between licensee end user ("E Veeam setting forth the terms and conditions governing the use and ope proprietary computer software products (the "Software") and the written te specifications for the use and operation of the Software (the "Documenta sense and context permit, references in this EULA to the Software include Documentation. By downloading and installing, copying or otherwise using and/or otherwise accepting this EULA, End User agrees to be bound by the sense to be bound by the software include to the software included to the so	End Use ration of echnical tion"). W e the ng the S the terms	r") and 'Veeam': /here the oftware, s and	s v
 I accept the terms in the license agreement I do not accept the terms in the license agreement 			
< Back Ne	ot >	Cano	el

Step 7: Skip license file entry (this can be performed after install, or will get loaded via Enterprise Manager)

📴 Veeam Backup & Replication Setup	-	×
Provide License		הע

📴 Veeam Backup & Replication Setup	—		Х
Provide License Provide license file for Veeam Backup & Replication.		Ì	卽
License file for Veeam Backup & Replication:	Browse.	··	
If you don't have a license file, just click Next (the software will operate in Free Editio	on mode).		
< Back Ne	xt >	Cancel	
Step 8: Select all program features for install (all are selected by default):			
Veeam Backup & Replication Setup	_		×

Program features Select the program features you want to be installed.	
Veeam Backup & Replication Veeam Backup Catalog Veeam Backup & Replication Console	Component description Veeam Backup & Replication is enterprise-ready solution that combines backup and replication in a single product for fast recovery of your VMware vSphere and Microsoft Hyper-V environments.
Install to: C:\Program Files\Veeam\Backup and Replication\	Browse
< Back	Next > Cancel

Step 9: System pre-requisite check will fail, so press "Install" (highlighted by red rectangle) to deploy the missing features:

📴 Veeam Backup & Replication Setup 🛛 🗕	- 🗆 X
System Configuration Check Please wait while setup is checking your system for potential installation problems.	とう
Requirement	Status
Microsoft System CLR Types for SQL Server 2014	😣 Failed
Microsoft SQL Server 2014 Management Objects	😵 Failed
Microsoft PowerShell v2.0	Passed
Your computer does not meet minimum requirements. Click the "Install" button to deploy missing features.	Re-run
< Back Next >	Cancel

Step 10: Press "Re-run" and ensure that all pre-requisite checks pass:

図 Veeam Backup & Replication Setup	– 🗆 X
System Configuration Check Please wait while setup is checking your system for potential installation	problems.
Requirement	Status
Microsoft System CLR Types for SQL Server 2014	Second Passed
Microsoft SQL Server 2014 Management Objects	Second Se
Microsoft PowerShell v2.0	Passed
	Re-run
< Bac	k Next > Cancel

Step 11: Select "Let me specify different settings" to modify the database to a remote location:

📴 Veeam Backup & Replication Setup 🦳 🗆			
Default Configura Click Install to deploy Veea the check box below to cus	tion m Backup & Replication with the default configuration settings, or select stomize them on the following wizard steps.	訠	
Configuration settings:			
Installation folder:	C:\Program Files\Veeam\Backup and Replication\	^	
vPower cache folder:	C:\ProgramData\Veeam\Backup\NfsDatastore\		
Guest catalog folder:	C:\VBRCatalog		
Catalog service port:	9393		
Service account:	LOCAL SYSTEM		
Service port:	9392		
Secure connections port:	9401		
SQL Server:	WEEAMSQL2012	~	
Let me specify differen	t settings		
	< Back Install Can	cel	

Step 12: Enter the correct remote SQL server, instance and database names:

🔡 Veeam Backup & Replication Setup	-	
SQL Server Instance Choose SQL Server instance to create Veeam Backup & Replication databases on.		習
O Install new instance of SQL Server (localhost\VEEAMSQL2012)		
Use existing instance of SQL Server (HOSTNAME\INSTANCE)		
	~	Browse
Veeam Backup & Replication database: VeeamBackup		
Connect to SQL Server using		
 Windows authentication credentials of service account 		
SQL Server authentication using the Login ID and password below:		
Login ID: sa		
Password:		
< Back Next	>	Cancel

Step 13: Ensure that the installer now shows the correct database details:

📴 Veeam Backup & Replication Setup 🦳 🗌				
 (t	Default Configura Click Install to deploy Veear he check box below to cus	tion n Backup & Replication with the default configuration settings, or select stomize them on the following wizard steps.	t	訠
	Configuration settings:			
	Installation folder:	C:\Program Files\Veeam\Backup and Replication\		^
	vPower cache folder:	C:\ProgramData\Veeam\Backup\NfsDatastore\		
	Guest catalog folder:	C:\VBRCatalog		
	Catalog service port:	9393		
	Service account:	LOCAL SYSTEM		
	Service port:	9392		
	Secure connections port:	9401		
	SQL Server:	VeeamBackup		~
	Let me specify differen	t settings		
		< Back Next >	Cano	cel

Step 14: Leave ports at the default configuration and press "Next::

🗃 Veeam Backup & Replicatio	n Setup	-	
Port Configuration Specify port configuration to be us		る	
Catalog service port:	9393		
Veeam Backup service port:	9392		
Secure connections port:	9401		
	< Bac	ck Next >	Cancel

Step 15: Leave data locations at the default settings and press "Next":

📴 Veeam Backup & Replication Setup	-		×
Data Locations Specify where guest file system catalog (persistent data), and vPower NFS write cache (non-persistent data) should be stored.			迥
vPower NFS			
Write cache folder:	-		
C: \ProgramData \Veeam \Backup \VfsDatastore \	Brow	se	
Dedicated volume is recommended. The write cache temporarily stores data written VMs running from backup file. Make sure the selected volume has sufficient free dis instantly recovered VMs will stop due to being unable to perform a disk write.	to virtu k space,	al disks o otherwi	of se
Guest file system catalog			
Catalog folder:			
C:\VBRCatalog	Brow	se	
< Back Next	>	Canc	el

Step 16: Select "Check for updates once the product is installed and periodically" and click "Install":

ШĘ	🔯 Veeam Backup & Replication Setup 🦳 —				×
1	Ready to Install The wizard is ready to begin the installation.				闿
	Veeam Backup & Replicat	ion will be installed with the following configuration:			
	Installation folder:	C:\Program Files\Veeam\Backup and Replication\			^
	vPower cache folder:	C:\ProgramData\Veeam\Backup\NfsDatastore\			
	Guest catalog folder:	C:\VBRCatalog			
	Catalog service port:	9393			
	Service account:	AD\			
	Service port:	9392			
	Secure connections port:	9401			
	SQL Server:	VeeamBackup			~
[Check for updates one	e the product is installed and periodically			
		< Back Ir	nstall	Cano	el

Step 17: Waiting for installation to complete:

📴 Veeam Backup & Replication Setup		-	□ ×
Installing Veeam Backup & Replication This step displays the progress of the installation.			迥
Installing Veeam Backup & Replication Update 3a			
	< Back	Next >	Cancel

Step 18: Once installation is completed, click "Finish":



Step 19: Accept the restart of the server now that the installation is complete:



Step 20: After reboot, log back into Windows server with service account. Launch the Veeam Backup & Recovery console:



Step 21: Select defaults to log into local Veeam instance with service account credentials:

Veeam [®] Backup &	Replication [™] 9.5
pe in a backup server name or	P address, backup service port num
ocalhost	9392
2016-	
\D\	
AD\ `assword	
AD\ Password] Use Windows session authent	ication

Step 22: From the menu in the top-left of the screen, select "Configuration Backup":



Step 23: Select "Restore" from the Configuration Settings Backup window:

Configuration Backup Settings	×
Backup	
Enable configuration backup to the following repository:	
Backup repository:	
Default Backup Repository (Created by Veeam Backup)	\sim
51.4 GB free of 79.5 GB	
Restore points to keep: 10	
Perform backup on: Daily at 10:00 AM	Schedule
Last successful backup: <u>10/30/2018 10:00 AM</u>	Backup now
Encrypt configuration backup	
Password:	
~	Add
Manage passwords	
Saved credentials and backup server certificate will no included in the configuration backup until encryption	t be is enabled
Restore	
Restore the configuration backup to this server:	Restore
OK Cancel	Apply

Step 24: Select the "Restore" option in the configuration restore wizard, then select "Next":

🖄 Veeam Backup and Replicati	on Configuration Restore	Х
Restore Mode Specify your configu	ration restore scenario.	
Restore Mode Configuration Backup Backup Contents Target Database Restore Options Restore Summary	 Restore Use this mode if you have unexpectedly lost your backup server, and are trying to restore it. Once the configuration restore has been completed, the wizard will initiate the process of searching for any new restore points that might have been created after the last configuration backup. Migrate Use this mode if you are performing planned migration of your backup server to a new computer To ensure there is no data loss, make sure you are using the configuration backup made after all jobs have been stopped and disabled. 	r.
	< Previous Next > Finish Cancel	

Step 25: Click browse and enter the original configuration file path to import the last copy backed up, then press "Analyze":

Veeam Backup and Replic	ation Configuration Restore c kup ration backup file you would like to use.	×
Restore Mode	Backup repository:	
	This server	~
Configuration Backup	Backup file:	
Backup Contents		Browse
Target Database Restore Options	Configuration backup file located in remote backup repositories will be copied locally into a temporary folder. This may take some time.	
Restore		
Summary		
	< Previous Analyze > Finish	Cancel

Step 26: Verify backup contents displayed and press "Next":

🖄 Veeam Backup and Replication	n Configuration Restore		×
Backup Contents Review the contents of	f the corresponding backup fil	le. If necessary, go back in the wizard to pick another one.	
Restore Mode	Parameter	Value	^
Configuration Backup	Backup file		
configuration backup	Path	seating" of the local original grant and the	
Backup Contents	Size	242.6 MB	
Description of the second seco	Creation time	10/30/2018 10:00:21 AM	
Password	Creation duration	0:02:21.898	
Target Database	Compressed data	242.6 MB	
	Uncompressed data	2.5 GB	
Restore Options	Compression ratio	10.70x	
Restore	Encrypted backup	Yes	
Restore	Password loss protection	Supported	
Summary	Downloaded backup file -		
	Path	C:\Users\ \AppData\Local\Temp\tmp2118.tmp	
	Product		
	Product name	Veeam Backup and Replication 9.5 Update 3a	
	Product version	9.5.0.1922	
	Database version	4087	
	Catalogs		*
		< Previous Next > Finish Cance	ł

Step 27: Enter encryption password for configuration backup, then press "Validate":

🖄 Veeam Backup and Replicati	on Configurat	ion Restore X
Password Specify configuratio	n backup's pa	ssword.
Restore Mode	Password:	••••••
Configuration Backup		Titled "(config backup encryption)" within PMP under VEEAM Backup & Recovery
Backup Contents		
Password		l forgot the password
Target Database		
Restore Options		
Restore		
Summary		
		< Previous Validate > Finish Cancel

Step 28: Ensure that the correct database name and server name are entered and press "Refresh". After the database checks complete, accept the warning that the database is in use by pressing "Yes". Select "Connect" to continue. Accept warning that current database contents will be lost.

🖄 Veeam Backup and Replicati	ion Configuration Restore	×
Target Database Specify the Veeam B	ackup & Replication database to restore configuration to.	
Restore Mode Configuration Backup Backup Contents Password Target Database	Connection Database name: VeeamBackup Server name: Searching for SQL servers	Refresh
Restore Options Restore Summary	Windows authentication SQL authentication Login name: AD\ Password:	
	< Previous Connect > Finish	Cancel

Step 29: Select all options for the restore (backup and replica catalog, session history, and both advanced options) and press "Restore":

🖄 Veeam Backup and Replicati	ion Configuration Restore X
Restore Options Specify what configuration data in	uration data you want to restore. Once you click Restore, the wizard will proceed with restoring the selected nto the specified database.
Restore Mode Configuration Backup Backup Contents Password Target Database Restore Options Restore Summary	Restore Backup and replica catalog Restores information about available backup and replica restore points, including content and location of all tapes which have been written. Session history Restores job sessions and restore operator activity history. Advanced Enable required PowerShell execution policy for SCVMM Backup existing database before configuration restore (recommended) Creates native backup of the existing database using SQL Server's built-in backup capabilities.
	< Previous Restore > Finish Cancel

Step 30: After the analysis completes, Veeam will give a warning about the user interface needing to be closed. Select "Yes" to continue:

Veeam Ba	ackup and Replication Configuration Restore	×
	Veeam user interface is open: 1 instance of Veeam Backup and Replication Console We need to close it and stop all running jobs. This may take a moment. Continue?	
	Yes No]

Step 31: Veeam will close the UI and begin the configuration restore process:

督	Veeam	Backup	and	Replication	Configuration	Restore
---	-------	--------	-----	-------------	---------------	---------

Restore

Please wait while configuration is being restored...

Restore Mode	Message	Duration	^		
Configuration Backup	Enable PowerShell execution policy: yes				
configuration backap	Checking open database connections				
Backup Contents	Analyzing configuration backup file				
	Checking configuration backup file (100% done)	0:00:48			
Password	Backing up database VeeamBackupRestore	0:00:19			
T	Searching for database VeeamBackupRestore backups				
larget Database	Database backup name VeeamConfigurationRestore Full Database Backup				
Restore Ontions	📀 Database backup location				
Restore options	Created database backup VeeamBackup_VeeamBackupRestore_20181030_140559				
Restore	🕑 Cleaning up database (100%)	0:00:41			
	Deploying database (100% done)				
Summary	Restoring database				
	Processing configuration VeeamBackupRestore at initial	0:00:13			
	Analyzing database VeeamBackupRestore				
	Decompressing configuration backup	0:00:12			
	Connecting to database VeeamBackupRestore				
	Starting configuration catalog restore (100% done)	0:00:03			
	Reading configuration backup	0:00:09	¥		
	L				
	a Dansieura - Charles - Fisik	Conner			

Step 32: After the configuration has been restored to the database, the wizard will show the full task history and you can select "Next":

🖄 Veeam Backup and Replicati	on Configuration Restore		×
Restore Please wait while con	nfiguration is being restored		
Restore Mode	Message	Duration	^
Configuration Backup	Occompressing configuration backup	0:04:13	
Configuration Backup	Connecting to database VeeamBackupRestore		
Backup Contents	Starting configuration catalog restore (100% done)	0:00:03	
	Reading configuration backup	0:04:03	
Password	Configuration catalog processed (19933 items)	0:00:06	
Target Database	Sackups catalog processed (42197 items)		
	Sessions catalog processed (425895 items)	0:03:33	
Restore Options	Tape catalog processed (1 items)		
Restore options	Finalizing configuration catalog restore (100% done)	0:00:06	
Restore	🕑 Disabling all scheduled user jobs		
	Saving database VeeamBackupRestore settings		
Credentials	Cocking database VeeamBackupRestore		
Summary	Analyzing restored configuration		
	Enabling Microsoft PowerShell execution policy		
	Microsoft PowerShell execution policy is already set to Remote Signed		
	🛛 Restoring backup server certificate		
	Saving configuration restore session		
	Configuration restore completed successfully		~
	< Previous Next > Finish	Cancel	

Step 33: Select any credentials to be edited, or click "Start" to restore all credentials:

 \times

Credentials				
Please verify and	update the restore credentia	als, if they have changed s	ince the time when configuration	n backup was taken.
estore Mode	Account	Туре	Description	Edit
onfiguration Backup	R	Standard		
oningulation backup	2	Standard		
ckup Contents	2	Standard		
	8	Standard		
assword	2	Standard	42 March Constraint Sect.	
Target Database	8	Standard	40 August Street Backage 1	
	8	Standard	40 August Damage and Dama	
store Ontions	8	Standard		
store options	8	Standard		
estore	8	Standard		
		Standard		
edentials	R	Standard	Incapture' chartenes where it	
	Δ.	Linux		
ummary	8	Standard	factor (1995) factor and and	
	Δ.	Linux		
	8	Standard		
	8	Standard		

Step 34: Click "Finish" to complete the configuration restore wizard and launch the Veeam Backup & Replication user interface.

😭 Veeam Backup and Replicatio	n Configuration Restore X				
Review the configurat Remember to enable a	ion restore result, and click Finish to exit the wizard. all jobs back once configuration data synchronization completes.				
Restore Mode	Summary: Configuration restore is completed successfully				
Configuration Backup Backup Contents	Source backup file: bco				
Password	Target database: VeeamBackupRestore Note that all jobs are disabled after configuration restore. Do not enable them back until Veeam				
Target Database	Backup & Replication synchronizes the restored configuration data with the actual state of backups and replicas on disk. You can monitor the synchronization progress using the Configuration Database Resynchronize session under History tab of the management tree.				
Restore Options Restore					
Credentials					
Summary					
	└── Launch the Backup & Replication user interface				
Wait for configuration synchronization process to complete before enabling the jobs. You can monitor the synchronization progress using the Configuration Database Resynchronize session under History tab of the management tree.					
	< Previous Next > Finish Cancel				

Step 35: The Veeam Backup & Replication user interface will launch and you will see all components and jobs restored, with all jobs disabled. You will need to re-sync the Veeam servers & repositories before re-enabling all jobs.

		VEEAM BACK	JP AND REPLICA	TION			- □ ×
Backup Replication Job × Job × Primary Jobs	y SureBackup Job - ary Jobs	nt Failover µp Plan ▼ pre					
HOME	Q Type in an object name	e to search for		×			
4 Salobs	NAME 🕇	TYPE	OBJECTS	STATUS	LAST RES	NEXT RUN	TARGET
禄国 Backup	德	Windows Age	1	Stopped	Success	<disabled></disabled>	
ackup Copy	**	Windows Age	1	Stopped	Warning	<disabled></disabled>	And Address of Concession, Name
👘 File Copy	*	Windows Age	1	Stopped	Warning	<disabled></disabled>	August Sugar
Backups	溶	Windows Age	1	Stopped	Warning	<disabled></disabled>	Auto Sugar
🗶 Disk	溶	Windows Age	1	Stopped	Warning	<disabled></disabled>	August Sugar
Disk (copy)	10	Windows Age	1	Stopped	Warning	<disabled></disabled>	August Sugar
📳 Replicas	10	VMware Back	1	Stopped	Warning	<disabled></disabled>	August Sugar
⊿ 🗟 Last 24 Hours	10	VMware Back	1	Stopped	Warning	<disabled></disabled>	Auto Sugar
🔂 Success	*	Windows Age	1	Stopped	Failed	<disabled></disabled>	August Sugar
🙀 Warning 🗸 🗸	*	VMware Back	1	Stopped	Success	<disabled></disabled>	August Sugar
	1	VMware Back	1	Stopped	Success	<disabled></disabled>	August Coupers
合 НОМЕ	*	VMware Back	1	Stopped	Success	<disabled></disabled>	August Sugar
-	*	VMware Back	1	Stopped	Success	<disabled></disabled>	August Sugar
	*	VMware Back	1	Stopped	Warning	<disabled></disabled>	Auto Sugar
	10	VMware Back	1	Stopped	Success	<disabled></disabled>	distanti daga di
BACKUP INFRASTRUCTURE	徛	VMware Back	1	Stopped	Success	<disabled></disabled>	August Sugar
	猗	VMware Back	10	Stopped	Failed	<disabled></disabled>	Sectors Cogette
STORAGE INTRASTRUCTORE	猗	VMware Back	10	Stopped	Failed	<disabled></disabled>	Audio Sugar Cons.
TAPE INFRASTRUCTURE	10	VMware Back	1	Stopped	Success	<disabled></disabled>	Audio Sugari
	猗	VMware Back	1	Stopped	Warning	<disabled></disabled>	Auto Cogoli
FILES	*	VMware Back	1	Stopped	Success	<disabled></disabled>	Audio Sugari
	*	VMware Back	1	Stopped	Success	<disabled></disabled>	
Lŵ *	<						>
4 JOBS					CONNE	CTED TO: LOCALHOST	FREE EDITION