

Veeam Backup & Replication 11 Cumulative Patch 20210507

In this post, I am going to install above patch for Veeam B&R v11.0. Veeam released above patch this month. Here is the link with more details about the patch.

<https://www.veeam.com/kb4126>

Release Notes for Veeam Backup & Replication 11 Cumulative Patches

Requirements

Please confirm that you are running V11 GA (build **11.0.0.837**) of any earlier patch level prior to installing this update. You can check this under **Help | About** in the backup console. After upgrade, your build number will be **11.0.0.837 P20210507**.

KB ID:	4126
Product:	Veeam Backup & Replication 11
Published:	2021-03-11
Last Modified:	2021-05-18

Resolved Issues

This cumulative patch includes the following new features, enhancements and fixes for the original V11 GA builds:

P20210507

- Added VMware vSphere 7.0 U2 support including new vSphere API version awareness and virtual hardware version 19 compatibility. Note: CDP functionality is not yet supported with vSphere 7.0 U2 due to the I/O filter drivers signing infrastructure issue at VMware, support will be added in the next cumulative patch.
- Added support for VMware Distributed Switch (VDS) version 7.0 in VMware NSX-T 3.0 or later environments for VM restore operations.
- Archive Tier no longer requires minimum remaining storage time of at least 180 days for GFS backups offloaded to Amazon Glacier Deep Archive, as even when taking into account its early deletion fee, this storage class ends up being cheaper than Amazon Glacier regardless of the remaining storage time.
- Various product functionality should no longer outright refuse to work with pre-release builds of Windows 10 21H1 and Windows Server 2022 builds and will instead attempt to process them using the existing logic created for previous OS versions. This change does not constitute the official support for these platforms, which is planned for version 11a.
- Restoring a V10 configuration backup into a V11 backup server fails with the *"Violation of PRIMARY KEY constraint 'PK_Credentials.Onsite'. Cannot insert duplicate key in object 'dbo.Credentials.Onsite'. The duplicate key value is (GUID)"* error in upgrade logs for installations that had multiple Linux server with the same credentials registered at the time of Veeam Backup & Replication upgrade from version 6.5 to 7.0.
- Jobs do not start according to the schedule, get stuck in the Stopping state, or demonstrate other abnormal behavior due to the Watchdog service thread terminating abnormally in certain circumstances and thus no longer killing job sessions which did not have a chance to finish properly due to some external event.
- Backup from storage snapshots fails with the *"Unknown plug-in: 00000000-0000-0000-0000-000000000000"* error due to the presence of rows with NULL host_id value in the configuration database table. Such rows can appear if you previously removed and re-added your primary storage to Veeam.
- VMware vCloud Director: vCD jobs may fail with the *"VDDK error: 3 (One of the parameters was invalid)"* error due to a conflict with the *SkipCertificateCheck* registry value; SQL Server transaction log backup jobs fail with the *"Unable to cast object"* error; vCD UI plug-in does not support deployments with more than 25 organizations.
- User interface: poor remote backup console responsiveness over high latency links; bottleneck statistics for the proxy component always shows zero load; console fails to load plug-ins when started under account without Local Administrator privileges; vSphere tags combination can now be used for CDP policies as well; backup server patch level is now displayed next to the build number.
- Self-service portals: SQL Server databases restore issue; job schedule settings changes not applying; incorrect tenant quota calculation.
- Direct restore to Amazon EC2: restore fails with the *"The request must contain the parameter size or snapshotId"* errors due to some recent API changes on the AWS side; temporary S3 bucket is not removed automatically following the restore.
- Object storage: ListBuckets API call is issued when registering an S3-compatible object storage repository even if a user does not browse for a bucket but rather specifies its name manually. This prevents bucket registration when the ListBuckets permission is missing from the account used to connect to the bucket.
- RMAN plug-in: addressed a number of issues in corner cases caused by overlapping backup sessions.

- Veeam Cloud Connect: various issues caused by attempting to reuse data movers which are unexpectedly no longer running; tenant backup copy jobs failures with the "Full point was not found" error during retention policy processing; licensing logic may start to impact VCC service availability after if certain data set appears in the configuration database.

P20210401

- Following the upgrade to V11, the retention policy may erroneously delete some of the monthly GFS backups before their retention expires. The issue only affects Backup Copy jobs which have their latest full backup corrupted.

P20210324

- Applicable to Cloud Connect service providers' infrastructure servers only: fix for the quarterly backups retention issue.

P20210319

- Backup jobs appear to hang at OKB on the hard disk reading step due to a race condition that may trigger on a very slow backup storage (usually when Windows deduplication is enabled). Potentially, any process that interacts with a backup file may hang when trying to open a backup file.
- After upgrading to V11 directly from version 9.5, incremental backup and replication runs take longer and produce larger increments than with previous versions for host-based processing of vSphere and Hyper-V VMs.
- Possible data loss with IBM storage snapshot integration due to a wrong LUN deleted during storage snapshot retention processing. This is caused by certain sequence of storage snapshot management operations outside Veeam resulting in a LUN with duplicate internal ID appearing on the storage.
- Veeam.Backup.Service.exe may crash under heavy load if the Snapshot Hunter processing runs into an unexpected issue with the stuck snapshot processing.
- When the scale-out backup repository Capacity Tier uses only the Copy policy, GFS backups will now be made immutable in hardened repository extents of the Performance Tier for the entire duration of their retention policy. Previously, GFS backups were only locked according to the hardened repository immutability settings to enable the Move policy to function correctly even when it was not enabled, making SOBR as a whole not compliant with certain WORM storage regulations.


Solution

If you have V11 GA build installed already, you can apply Cumulative Patch P20210507 using the following update package:

[DOWNLOAD PATCH](#)

MD5: 32db53656b20cbee73d51617b7c9d39a

SHA-1: a0639671034f698c0d987368fc88df5ed9bbc2ba

Version	Build Number	Release Date	Release Notes\Download
Veeam Backup & Replication 11 P20210507	11.0.0.837 P20210507	2021-05-12	
Veeam Backup & Replication 11 P20210401	11.0.0.837 P20210401	2021-04-01	Release Notes for Veeam Backup & Replication 11 Cumulative Patches https://www.veeam.com/kb4126
Veeam Backup & Replication 11 P20210324	11.0.0.837 P20210324	2021-03-24	
Veeam Backup & Replication 11 P20210319	11.0.0.837 P20210319	2021-03-23	

Within the lab, I am running Veeam B&R v11.0



Name	Date modified	Type	Size
Backup and Replication	27-Feb-2021 5:38 AM	File folder	
SnmpSharpNet.dll	05-Jul-2019 10:58 AM	Application extens...	109 KB
SNMPSharpNetWrapper.dll	07-Oct-2020 1:04 PM	Application extens...	25 KB
VeeamLicense.dll	24-Feb-2021 7:51 AM	Application extens...	590 KB
VeeamSnmp.dll	07-Oct-2020 1:04 PM	Application extens...	206 KB

Before we run the update, we have to rename this dll file to .old. After that we have to stop all Veeam services.

Name	Date modified	Type	Size
Backup and Replication	27-Feb-2021 5:38 AM	File folder	
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VeeamLicense.dll.old	24-Feb-2021 7:51 AM	OLD File	590 KB
VeeamSnmp.dll	07-Oct-2020 1:04 PM	Application extens...	206 KB

Get-Service | Where-Object {\$_.DisplayName.StartsWith("Veeam")} | Stop-Service

```

Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.


PS C:\Users\Administrator> Get-Service | Where-Object {$_.DisplayName.StartsWith("Veeam")} | Stop-Service
WARNING: Waiting for service 'Veeam Backup Service (VeeamBackupSvc)' to stop...
WARNING: Waiting for service 'Veeam Backup Service (VeeamBackupSvc)' to stop...
WARNING: Waiting for service 'Veeam Backup Service (VeeamBackupSvc)' to stop...
PS C:\Users\Administrator>

```

Now we can install the update

Name	Date modified	Type	Size
VeeamBackup&Replication 11.0.0.837 20210507.exe	10-May-2021 9:38 ...	Application	431,754 KB

Cumulative Patch 20210507 for Veeam Backup & Replication 11.0



Welcome to Cumulative Patch 20210507 for Veeam Backup & Replication 11.0 Installation Wizard

This wizard will install Cumulative Patch 20210507 for Veeam Backup & Replication 11.0.

< Back Next > Cancel

Ready to Install

Click Install to apply the update.



This wizard will install Cumulative Patch 20210507 for Veeam Backup & Replication 11.0.

Please note that the update will be installed on the backup server only. To update remote components, wait for this installation to finish, open the Veeam Backup & Replication console and follow the Upgrade wizard. Alternatively, we can initiate remote components update process for you.

Update remote components automatically

Click Install to apply the update.

< Back

Install

Cancel



Cumulative Patch 20210507 for Veeam Backup & Replication 11.0 has been installed successfully.

Click Finish to exit the wizard.

VEEAM

< Back

Next >

Finish

Now we can remove .old from this file we renamed earlier.

OS (C:) > Program Files > Common Files > Veeam

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Now we can restart all Veeam services.

```
PS C:\Users\Administrator> Get-Service | Where-Object {$_.DisplayName.StartsWith('Veeam')} | Start-Service
WARNING: Waiting for service 'Veeam Azure Service (VeeamAzureSvc)' to start...
WARNING: Waiting for service 'Veeam Azure Service (VeeamAzureSvc)' to start...
WARNING: Waiting for service 'Veeam CDP Coordinator Service (VeeamBackupCdpSvc)' to start...
WARNING: Waiting for service 'Veeam CDP Coordinator Service (VeeamBackupCdpSvc)' to start...
WARNING: Waiting for service 'Veeam CDP Coordinator Service (VeeamBackupCdpSvc)' to start...
WARNING: Waiting for service 'Veeam CDP Coordinator Service (VeeamBackupCdpSvc)' to start...
WARNING: Waiting for service 'Veeam CDP Coordinator Service (VeeamBackupCdpSvc)' to start...
WARNING: Waiting for service 'Veeam CDP Coordinator Service (VeeamBackupCdpSvc)' to start...
WARNING: Waiting for service 'Veeam CDP Coordinator Service (VeeamBackupCdpSvc)' to start...
WARNING: Waiting for service 'Veeam Guest Catalog Service (VeeamCatalogSvc)' to start...
WARNING: Waiting for service 'Veeam Guest Catalog Service (VeeamCatalogSvc)' to start...
WARNING: Waiting for service 'Veeam Guest Catalog Service (VeeamCatalogSvc)' to start...
WARNING: Waiting for service 'Veeam Guest Catalog Service (VeeamCatalogSvc)' to start...
WARNING: Waiting for service 'Veeam Guest Catalog Service (VeeamCatalogSvc)' to start...
WARNING: Waiting for service 'Veeam Guest Catalog Service (VeeamCatalogSvc)' to start...
WARNING: Waiting for service 'Veeam Guest Catalog Service (VeeamCatalogSvc)' to start...
WARNING: Waiting for service 'Veeam Guest Catalog Service (VeeamCatalogSvc)' to start...
WARNING: Waiting for service 'Veeam Cloud Connect Service (VeeamCloudSvc)' to start...
WARNING: Waiting for service 'Veeam Cloud Connect Service (VeeamCloudSvc)' to start...
WARNING: Waiting for service 'Veeam Cloud Connect Service (VeeamCloudSvc)' to start...
WARNING: Waiting for service 'Veeam Cloud Connect Service (VeeamCloudSvc)' to start...
WARNING: Waiting for service 'Veeam Distribution Service (VeeamDistributionSvc)' to start...
WARNING: Waiting for service 'Veeam Distribution Service (VeeamDistributionSvc)' to start...
WARNING: Waiting for service 'Veeam Distribution Service (VeeamDistributionSvc)' to start...
WARNING: Waiting for service 'Veeam Distribution Service (VeeamDistributionSvc)' to start...
WARNING: Waiting for service 'Veeam Explorers Recovery Service (VeeamExplorersRecoverySvc)' to start...
WARNING: Waiting for service 'Veeam Explorers Recovery Service (VeeamExplorersRecoverySvc)' to start...
WARNING: Waiting for service 'Veeam Mount Service (VeeamMountSvc)' to start...
WARNING: Waiting for service 'Veeam Mount Service (VeeamMountSvc)' to start...
WARNING: Waiting for service 'Veeam Mount Service (VeeamMountSvc)' to start...
WARNING: Waiting for service 'Veeam Mount Service (VeeamMountSvc)' to start...
WARNING: Waiting for service 'Veeam Mount Service (VeeamMountSvc)' to start...
WARNING: Waiting for service 'Veeam Mount Service (VeeamMountSvc)' to start...
PS C:\Users\Administrator>
```

Get-Service -displayname Veeam*

```
PS C:\Users\Administrator> get-service -displayname Veeam*
Status      Name                DisplayName
-----
Running     VeeamAWSSvc         Veeam AWS Service
Running     VeeamAzureSvc       Veeam Azure Service
Running     VeeamBackupCdpSvc   Veeam CDP Coordinator Service
Running     VeeamBackupRETSvc   Veeam Backup Server RESTful API Ser...
Running     VeeamBackupSvc      Veeam Backup Service
Running     VeeamBrokerSvc      Veeam Broker Service
Running     VeeamCatalogSvc     Veeam Guest Catalog Service
Running     VeeamCloudSvc       Veeam Cloud Connect Service
Running     VeeamDeploySvc     Veeam Installer Service
Running     VeeamDistributi...  Veeam Distribution Service
Running     VeeamExplorersR...  Veeam Explorers Recovery Service
Running     VeeamFilesysVssSvc  Veeam Backup VSS Integration Service
Running     VeeamHvIntegrat...  Veeam Hyper-V Integration Service
Running     VeeamMountSvc       Veeam Mount Service
Running     VeeamNFSSvc        Veeam vPower NFS Service
Running     VeeamTransportSvc   Veeam Data Mover Service
Running     VeeamVssProvide...  Veeam VSS Hardware Provider Service
```


Veeam AWS Service	Enables interaction between Veeam Backup & Replication and AWS infrastructure.	Running
Veeam Azure Service	Enables interaction between Veeam Backup & Replication and Microsoft Azure infrastructure	Running
Veeam Backup Server RESTful API Service	Provides a RESTful API endpoint for automating backup server operations.	Running
Veeam Backup Service	Manages scheduled jobs, serves Veeam Backup Enterprise Manager requests.	Running
Veeam Backup VSS Integration Service	Manages Microsoft VSS snapshots used for NAS, file share and off-host agent-based backups.	Running
Veeam Broker Service	Interacts with virtual infrastructure to collect and cache its topology.	Running
Veeam CDP Coordinator Service	Orchestrates CDP activities across all components and policies.	Running
Veeam Cloud Connect Service	Provides transparent connection to cloud resources over secure SSL/TLS channel.	Running
Veeam Data Mover Service	Sends and receives protected data during backup, replication and restore processes.	Running
Veeam Distribution Service	Distributes Veeam Agent setup packages to the protected computers.	Running
Veeam Explorers Recovery Service	Executes database instant recovery workflows on behalf of Veeam Explorers	Running
Veeam Guest Catalog Service	Manages and replicates guest OS file system index data files.	Running
Veeam Hyper-V Integration Service	Enables Veeam Backup & Replication to perform on-host and off-host processing of Hyper-V virtual machines.	Running
Veeam Installer Service	Enables installing, updating and configuring Veeam Backup & Replication components.	Running
Veeam Mount Service	Mounts Veeam backups and replicas for file-level access.	Running
Veeam vPower NFS Service	Implements vPower NFS server that enables running virtual machines directly from backup files.	Running
Veeam VSS Hardware Provider Service	Extends the Microsoft Volume Shadow Copy Service (VSS) to enable agent-based backup from storage snapshots.	Running

Now it is time to check the update report. After upgrade build number will be 11.0.0.837 P20210507.

Open Veeam B&R application from Start Menu



With this we have completed the update install.

Thanks

Ram Lan

23rd May 2021