

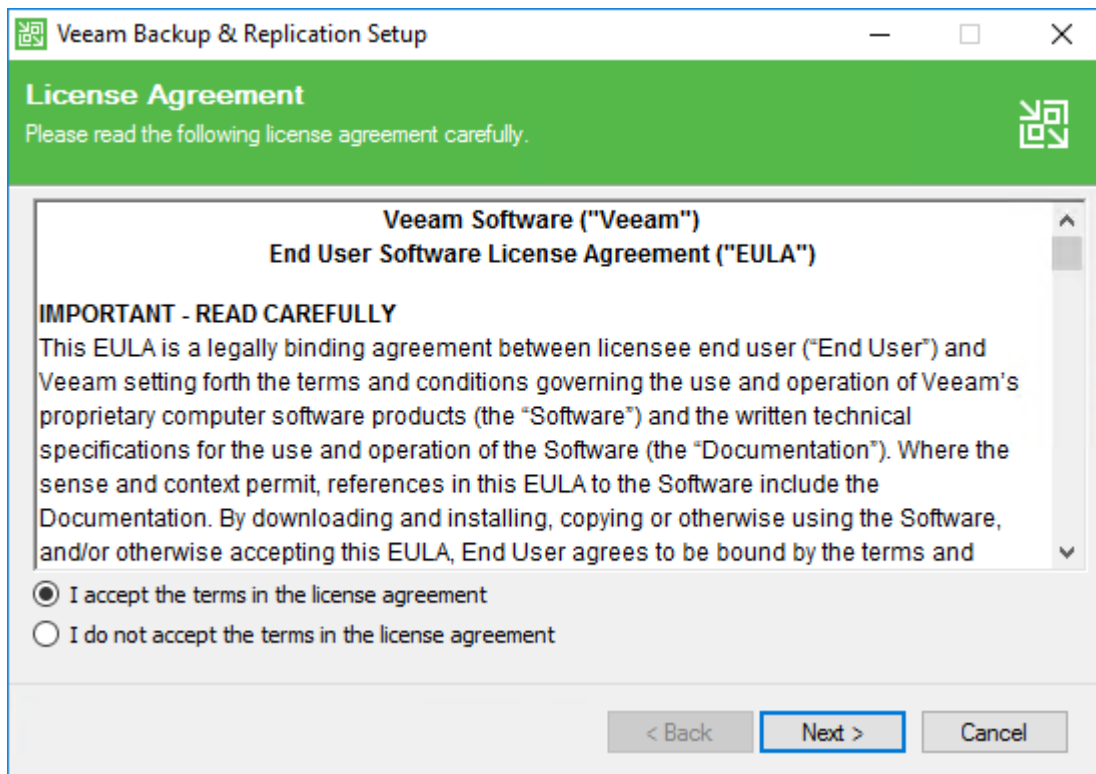
How to install Veeam B&R 9.5 Update 3

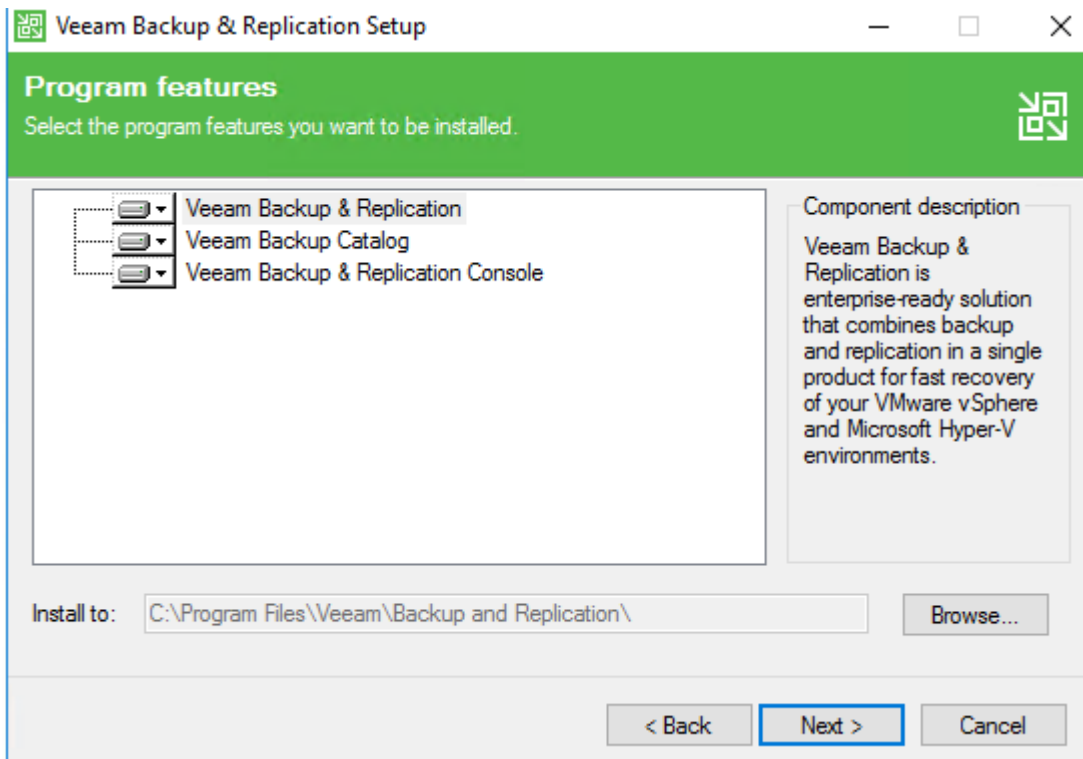
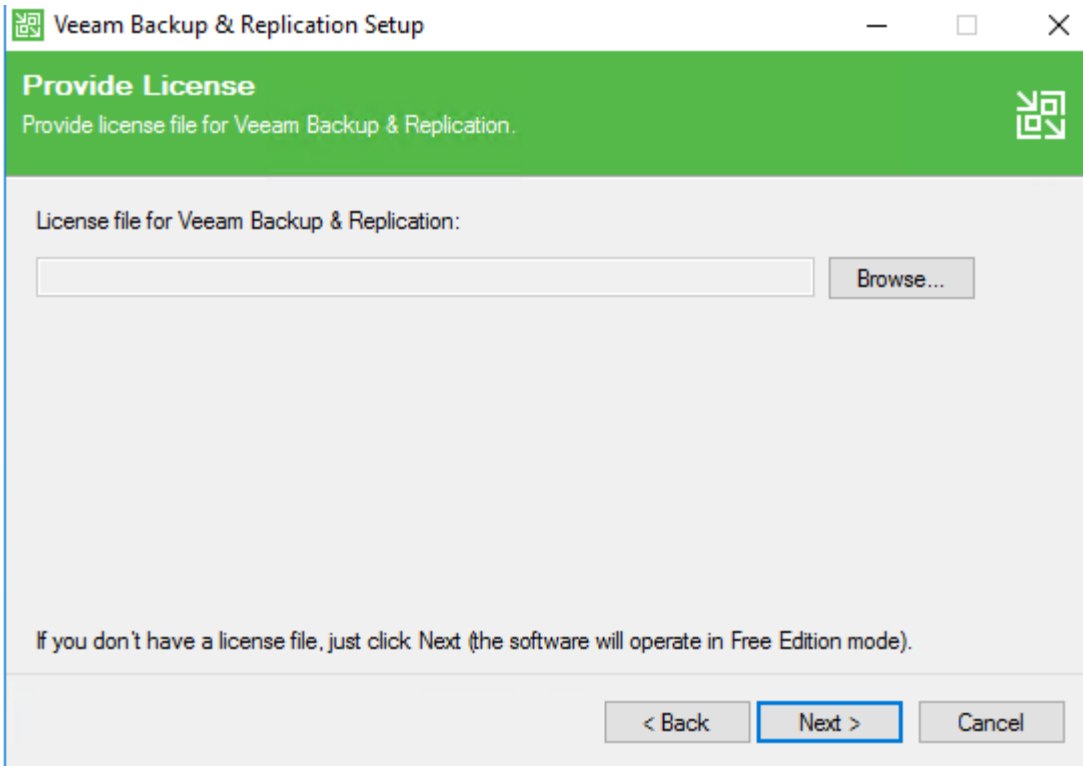
In this exercise, I will walk you through the process of installing and activating Veeam B&R on Server 2016. I created an iSCSI storage of 500GB on EMC NAS to store daily/weekly backups.

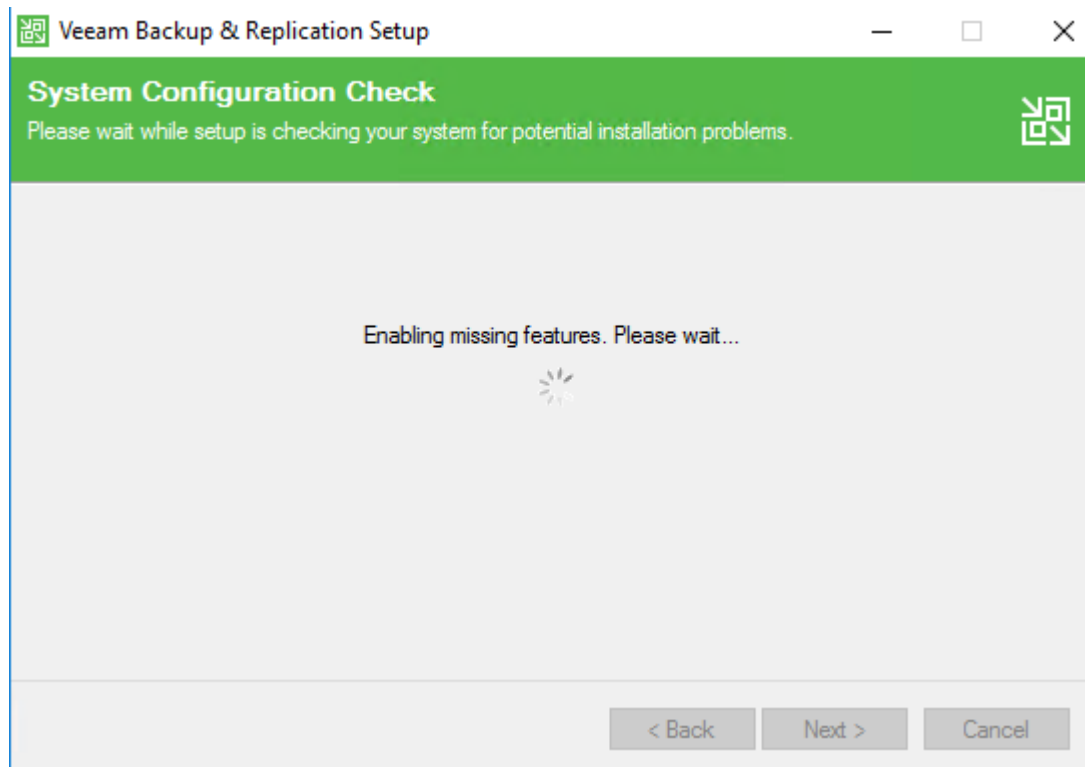
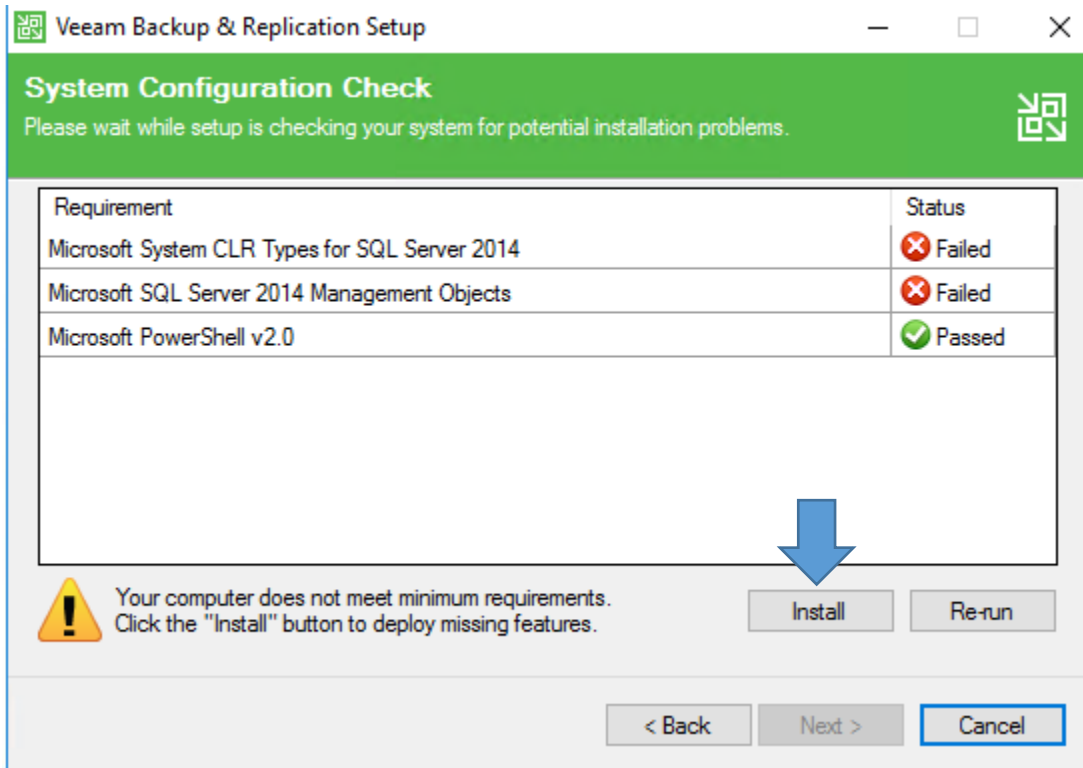
You can download the ISO from Veeam site (Trial version). Mount the ISO and run setup.exe

DC2 > DVD Drive (F:) Veeam Backup and Replication 9.5 >

| Name | Date modified | Type | Size |
|-------------------|----------------------|-------------------|--------|
| AIR | 15-Jun-2018 3:00 ... | File folder | |
| Backup | 15-Jun-2018 3:00 ... | File folder | |
| Catalog | 15-Jun-2018 3:00 ... | File folder | |
| Cloud Portal | 15-Jun-2018 3:00 ... | File folder | |
| EnterpriseManager | 15-Jun-2018 3:00 ... | File folder | |
| Explorers | 15-Jun-2018 3:00 ... | File folder | |
| Redistr | 15-Jun-2018 3:00 ... | File folder | |
| Search | 15-Jun-2018 3:00 ... | File folder | |
| Suite | 15-Jun-2018 3:00 ... | File folder | |
| Updates | 15-Jun-2018 3:00 ... | File folder | |
| autorun.inf | 15-Jun-2018 3:00 ... | Setup Information | 1 KB |
| Setup.exe ← | 15-Jun-2018 3:00 ... | Application | 491 KB |







Veeam Backup & Replication Setup

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 | ✓ Passed |
| Microsoft SQL Server 2014 Management Objects | ✓ Passed |
| Microsoft PowerShell v2.0 | ✓ Passed |

Re-run

< Back

Next >

Cancel

Veeam Backup & Replication Setup

Default Configuration

Click Install to deploy Veeam Backup & Replication with the default configuration settings, or select the check box below to customize them on the following wizard steps.

Configuration settings:

Installation folder: C:\Program Files\Veeam\Backup and Replication\
vPower cache folder: C:\ProgramData\Veeam\Backup\NfsDatastore\
Guest catalog folder: D:\VBRCatalog
Catalog service port: 9393
Service account: LOCAL SYSTEM
Service port: 9392
Secure connections port: 9401
SQL Server: DC2\VEEAMSQL2012

☒ Let me specify different settings

< Back

Next >

Cancel


Veeam Backup & Replication Setup

Service Account


Specify the account for Veeam Backup & Replication service.

☐ LOCAL SYSTEM account (recommended)

☒ The following user account:

 Type in the user name in the DOMAIN\USERNAME format. The specified user account must have local administrator privileges on this server.

User name:

Password: 

Veeam Backup & Replication Setup

SQL Server Instance

Choose SQL Server instance to create Veeam Backup & Replication databases on.

☒ Install new instance of SQL Server (localhost\VEEAMSQL2012)

☐ Use existing instance of SQL Server (HOSTNAME\INSTANCE)

Veeam Backup & Replication database:


Connect to SQL Server using

☒ Windows authentication credentials of service account

☐ SQL Server authentication using the Login ID and password below:


Login ID:

Password:

 Veeam Backup & Replication Setup

Port Configuration

Specify port configuration to be used by Veeam Backup & Replication.



Catalog service port:

9393

Veeam Backup service port:

9392


Secure connections port:

9401

< Back


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Cancel


 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.



vPower NFS


 Write cache folder:

C:\ProgramData\Veeam\Backup\NfsDatastore\

Browse...

Dedicated volume is recommended. The write cache temporarily stores data written to virtual disks of VMs running from backup file. Make sure the selected volume has sufficient free disk space, otherwise instantly recovered VMs will stop due to being unable to perform a disk write.

Guest file system catalog

 Catalog folder:

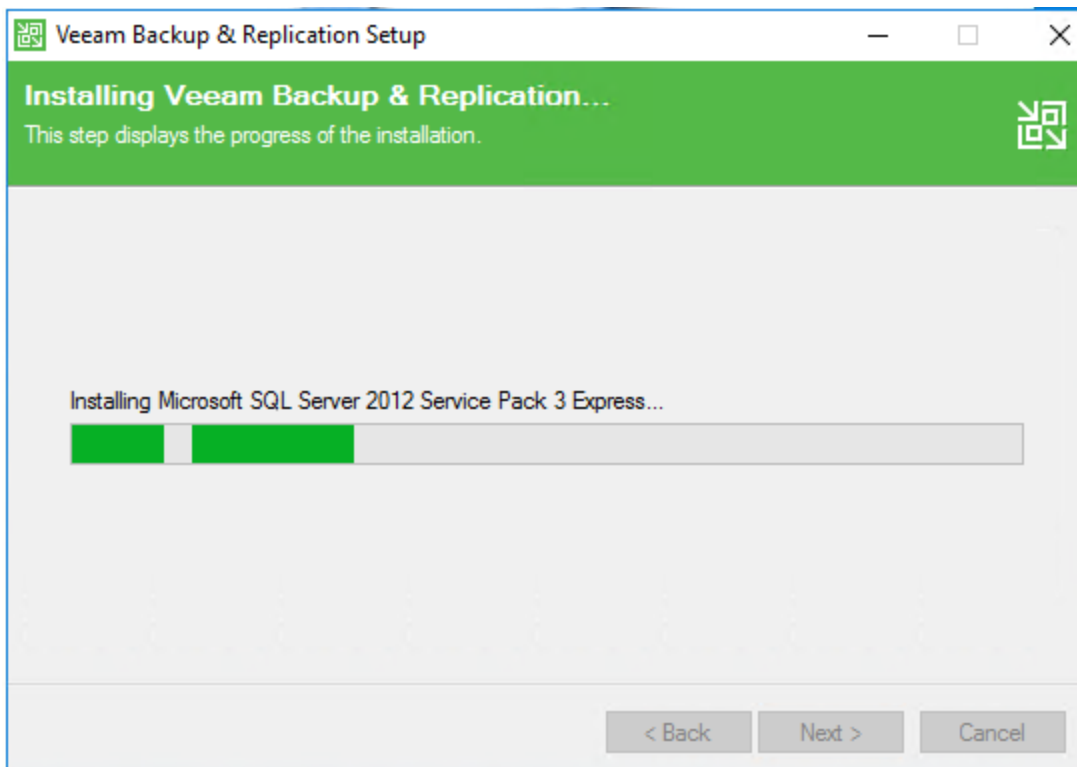
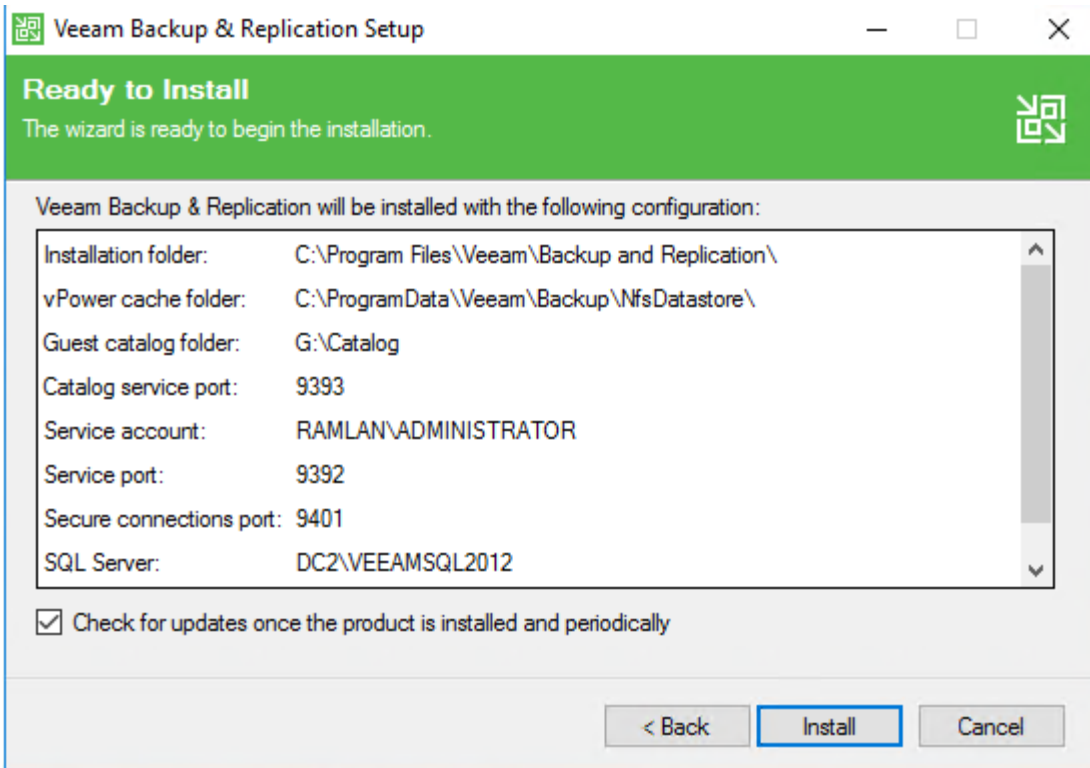
G:\Catalog

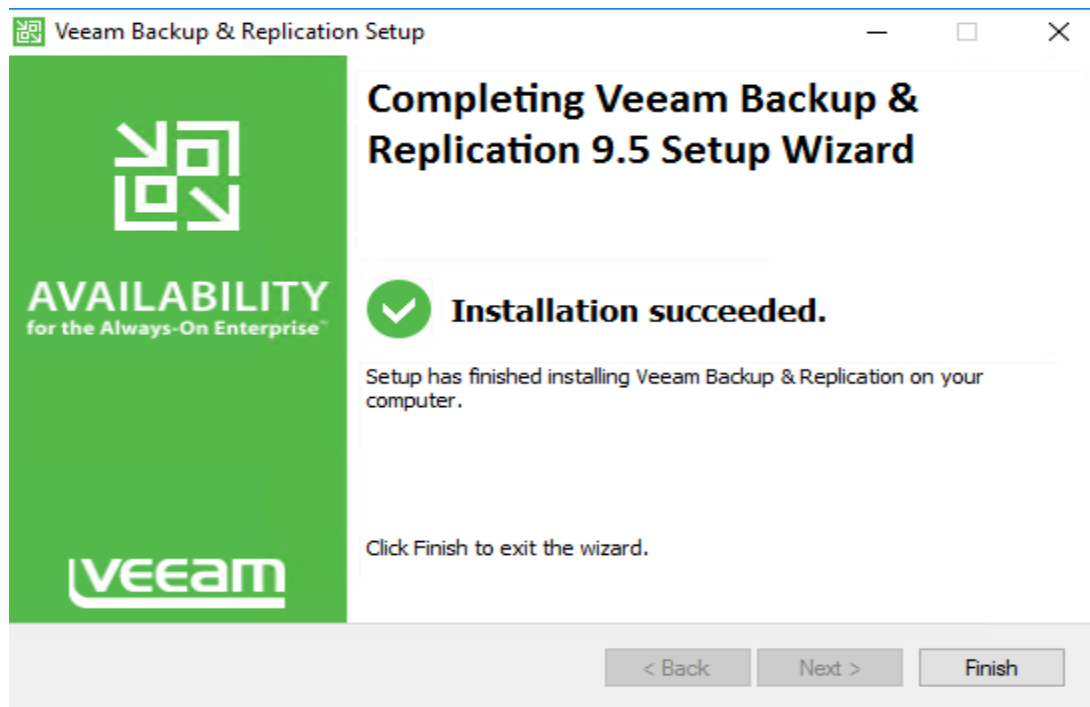
Browse...

< Back

Next >

Cancel





Now we will try to activate Veeam B&R. For this to work properly we have to stop all Veeam services. You can run this command – `Get-service -displayname Veeam*`

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator.RAMLAN> Get-service -displayname veeam*

Status  Name                      DisplayName
-----
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 VeeamMountSvc        Veeam Mount Service
Running VeeamNFSSvc          Veeam vPower NFS Service
Running VeeamTransportSvc    Veeam Data Mover Service
```

The command to stop is `Get-service -displayname Veeam* | stop-service`

```
PS C:\Users\Administrator.RAMLAN> Get-service -displayname 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.RAMLAN> Get-service -displayname veeam*

Status  Name                      DisplayName
-----
Stopped VeeamBackupSvc           Veeam Backup Service
Stopped VeeamBrokerSvc           Veeam Broker Service
Stopped VeeamCatalogSvc      Veeam Guest Catalog Service
Stopped VeeamCloudSvc        Veeam Cloud Connect Service
Stopped VeeamDeploySvc       Veeam Installer Service
Stopped VeeamDistributi...  Veeam Distribution Service
Stopped VeeamMountSvc        Veeam Mount Service
Stopped VeeamNFSSvc          Veeam vPower NFS Service
Stopped VeeamTransportSvc    Veeam Data Mover Service
```

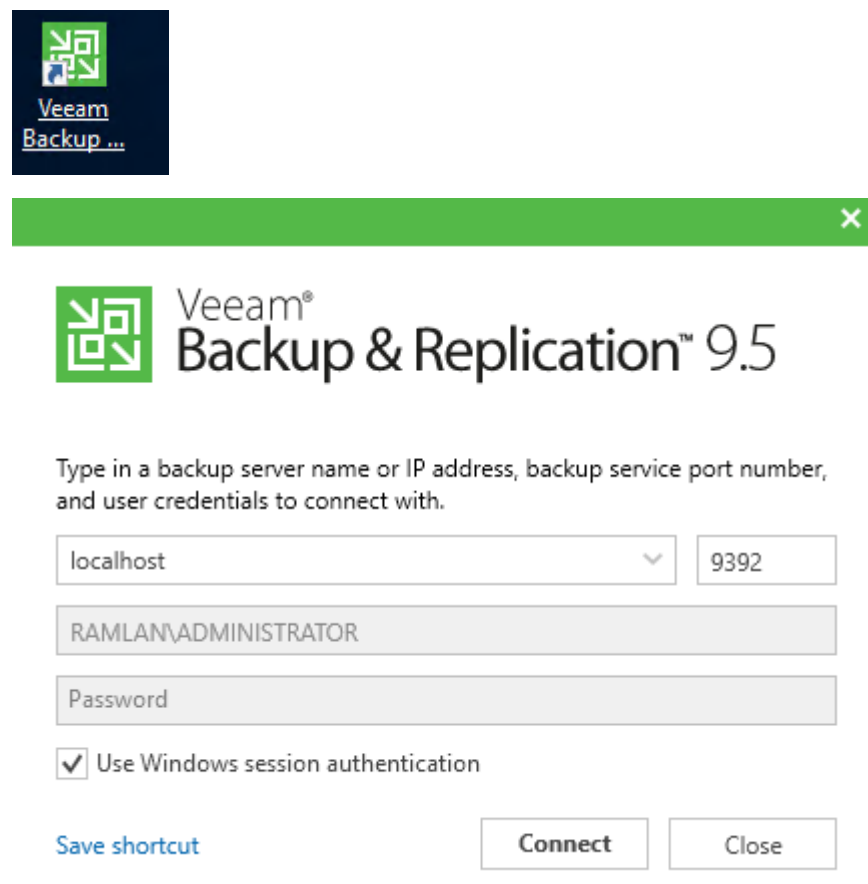

Now we will copy "veComLic.dll" to C:\ProgramFiles\Common Files\Veeam\Backup and Replication folder over writing the original file.

After that we will start the services - Get-service -displayname Veeam* | start-service

```
PS C:\Users\Administrator.RAMLAN> Get-service -displayname veeam* | start-service
WARNING: Waiting for service 'Veeam Backup Service (VeeamBackupSvc)' to start...
WARNING: Waiting for service 'Veeam Backup Service (VeeamBackupSvc)' to start...
WARNING: Waiting for service 'Veeam Backup Service (VeeamBackupSvc)' to start...
WARNING: Waiting for service 'Veeam Backup Service (VeeamBackupSvc)' to start...
WARNING: Waiting for service 'Veeam Broker Service (VeeamBrokerSvc)' to start...
WARNING: Waiting for service 'Veeam Cloud Connect Service (VeeamCloudSvc)' to start...
PS C:\Users\Administrator.RAMLAN> Get-service -displayname veeam*

Status      Name                DisplayName
-----
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     VeeamMountSvc        Veeam Mount Service
Running     VeeamNFSSvc          Veeam vPower NFS Service
Running     VeeamTransportSvc    Veeam Data Mover Service
```

Now we will open Veeam B&R Console





Servers

Select servers to update product's components on. Consider removing servers which are currently down or unreachable from selection. Update process will not reboot the updated server.

Servers

Update

Managed servers:

| Server | Update required | |
|---|--------------------------|--|
| <input checked="" type="checkbox"/> DC2.RAMLAN.CA | Mount Server, vPower NFS | |
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Details...

Refresh

Select All

Clear All

< Previous

Apply

Finish

Cancel



Update

Please wait while product's components are updated on the selected servers. This will take a few minutes.

[illegible]

×



Please wait while product's components are updated on the selected servers. This will take a few minutes.

[illegible]

VEEAM BACKUP AND REPLICATION

HOME

VeeamZIP

File Copy

Restore

Actions

INVENTORY

Virtual Infrastructure

VMware vSphere

Microsoft Hyper-V

Last 24 Hours

Warning

INVENTORY

TAPE INFRASTRUCTURE

FILES

HISTORY

0 OBJECTS

Thanks for using Veeam® Backup® Free Edition

[Online documentation](#) | [Compare editions](#)

AVAILABILITY

for the Always-On Enterprise

Get to know all the powerful features:

VeeamZIP
 Back up a VM on-the-fly into a compressed, self-contained backup file

Restore from Backups
 Restore entire computers, individual files and application items from any Veeam backup.

Restore from Storage Snapshots
 Restore entire VMs, individual guest files and application items from storage snapshots of VMFS and NFS volumes

Veeam Explorers™
 Unlimited e-discovery and granular application item recovery for Microsoft Active Directory, Exchange, SharePoint and SQL Server

Migrate VMs without vSphere vMotion
 Migrate a live VM to any host or datastore with minimal downtime

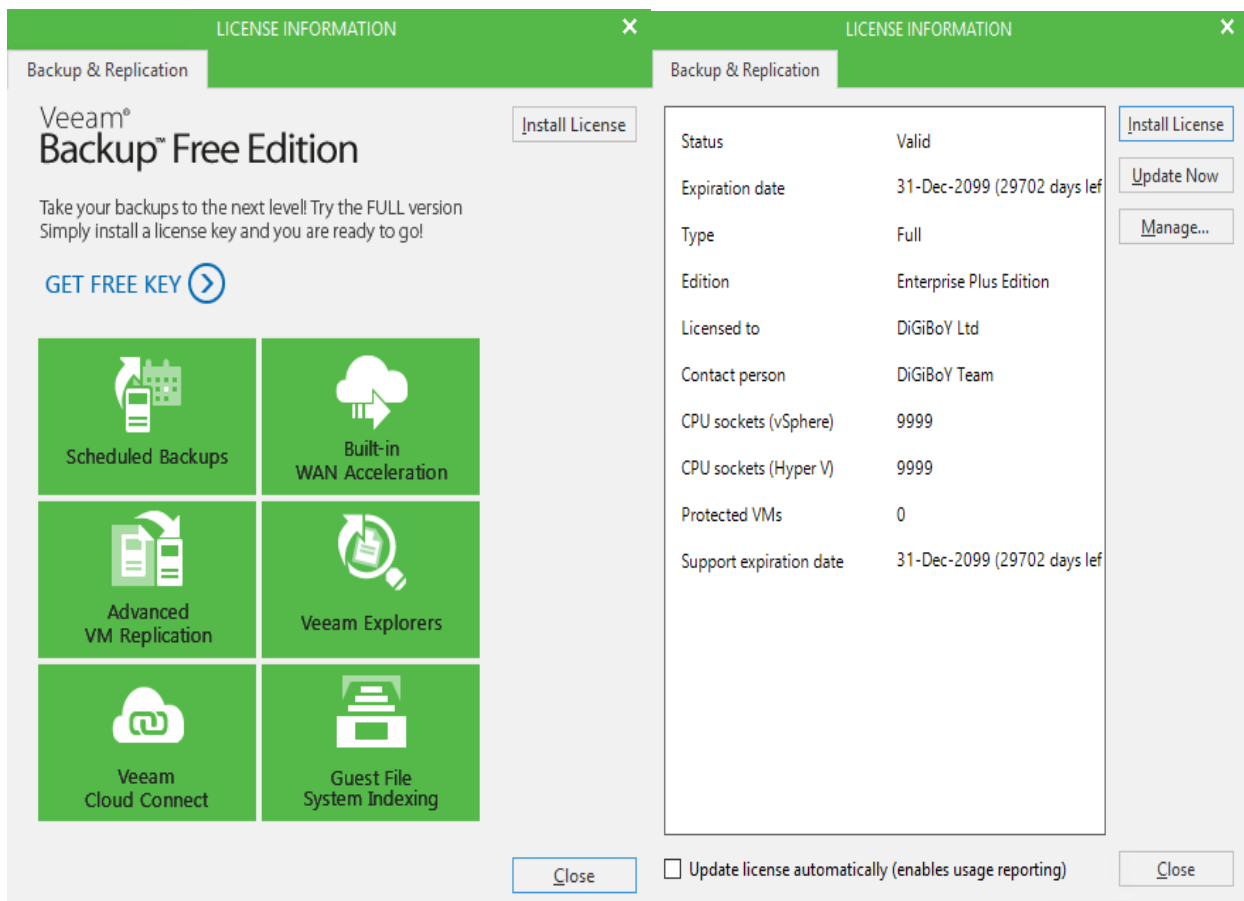
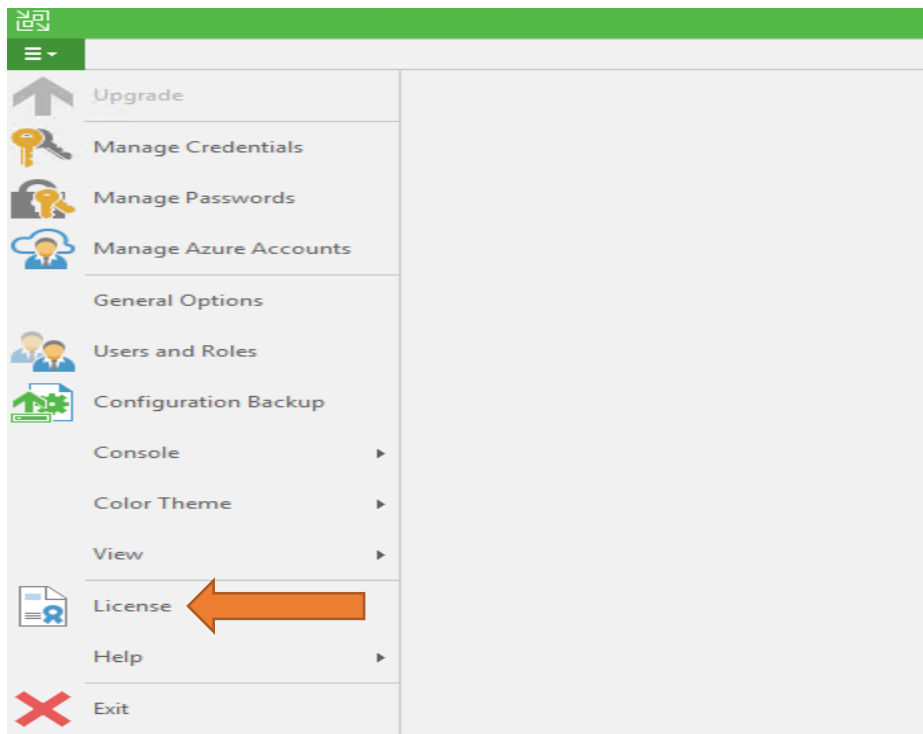
Native Tape Support
 Back up and archive VM backups and any other files to tape with File to Tape jobs

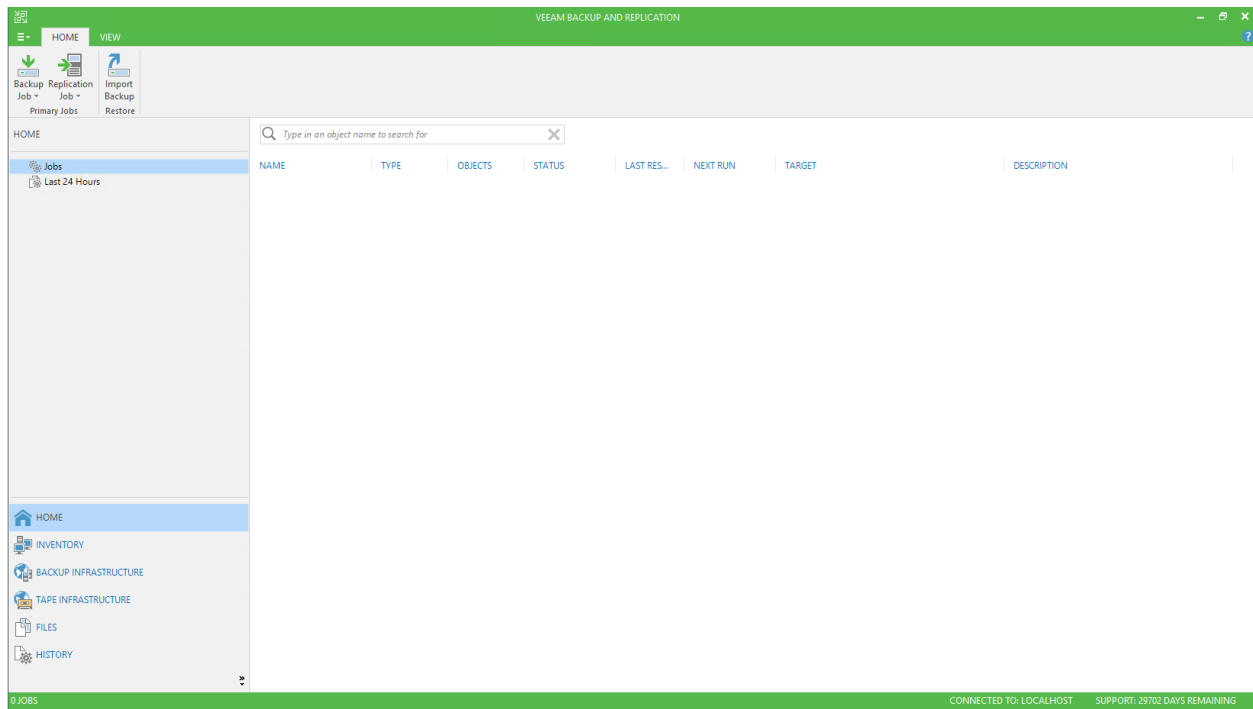
GET MORE FEATURES IN A 30-DAY TRIAL

➔

CONNECTED TO: LOCALHOST

FREE EDITION





CONNECTED TO: LOCALHOST

SUPPORT: 29702 DAYS REMAINING

This concludes the install and license activation for Veeam B&R 9.5 Update 3.

Thanks

Ram Lan

5th Sep 2018

EMAIL SETTING:

Options

I/O Control E-mail Settings SNMP Settings Notifications History Security

☒ Enable e-mail notifications

SMTP server: [Advanced...](#)

From:

To:

Subject:

[Test Message](#)

☒ Notify on success

☒ Notify on warning

☒ Notify on failure

☒ Suppress notifications until the last retry

[OK](#) [Cancel](#) [Apply](#)

Advanced SMTP options

Port:

Timeout: ms

☐ Connect using SSL

☐ This SMTP server requires authentication

Log on as: [Add...](#)

[Manage accounts](#)

[OK](#) [Cancel](#)

[Reply](#) [Reply All](#) [Forward](#) [IM](#)



Wed 05-Sep-2018 11:58 AM

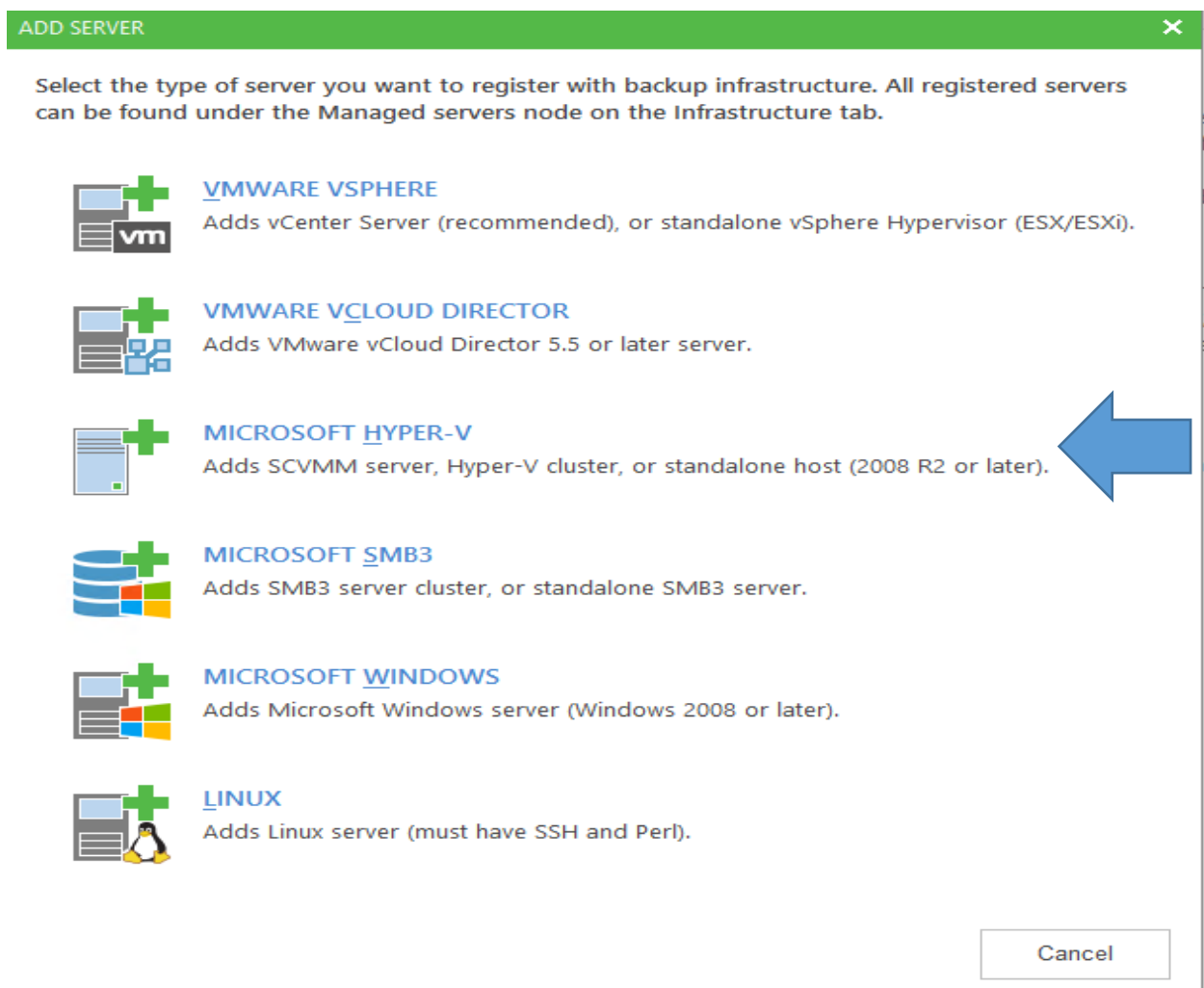
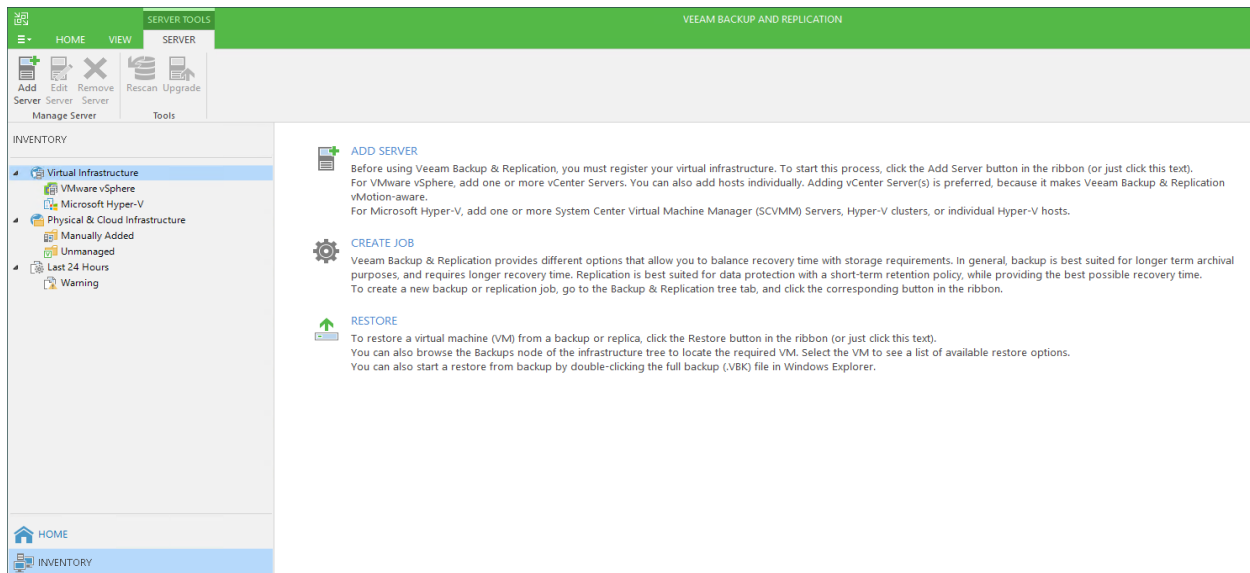
administrator@ramlan.ca

Veeam Backup & Replication

To: [Ram](#)

This is test e-mail message sent by Veeam Backup & Replication.

Now we will add few Hyper-V host servers



New Hyper-V Server



Credentials

Select server administrator credentials.

Name

Type

Credentials

Apply

Results

Summary



Select an account with local administrator privileges on the server you are adding. Use DOMAIN\USER format for domain accounts, or HOST\USER for local accounts.

Credentials:

Add...

[Manage accounts](#)

Click Ports to customize network ports to be used by individual components

Ports...

< Previous

Next >

Finish

Cancel

Credentials



Username: RAMLAN\Administrator

Browse...

Password:

Description:

RAMLAN\Administrator

OK

Cancel

New Hyper-V Server

×

Credentials

Select server administrator credentials.

Name

Type

Credentials

Apply

Results

Summary

Select an account with local administrator privileges on the server you are adding. Use DOMAIN\USER format for domain accounts, or HOST\USER for local accounts.

Credentials:

RAMLAN\Administrator (RAMLAN\Administrator, last edited)

Add...

[Manage accounts](#)

Click Ports to customize network ports to be used by individual components

Ports...

< Previous

Next >

Finish

Cancel

New Hyper-V Server

×

Apply

Please review your settings and click Apply to continue.

Name

Type

Credentials

Apply

Results

Summary

Due to these modifications the following components will be installed or removed on the target host:

| Component name | Status | |
|---------------------|-------------------|--|
| Transport | will be installed | |
| Hyper-V Integration | will be installed | |
| | | |
| | | |
| | | |

This Hyper-V server will act as the backup proxy for jobs running in the on-host backup mode.

Task limit:

4

After you click Apply missed components will be installed on the target host.

< Previous

Apply

Finish

Cancel

New Hyper-V Server

×

+

Results

The following servers have been processed.

| | | |
|-------------|--|----------|
| Name | Message | Duration |
| Type | ✓ Starting managed server maintenance job | 0:00:04 |
| Credentials | ✓ Detecting operating system | |
| Apply | ✓ Collecting hardware info | |
| Results | ✓ Creating temporary folder | |
| Summary | ✓ Package VeeamTransport.msi has been uploaded | 0:00:08 |
| | ✓ Installing package Transport | 0:01:21 |
| | ✓ Package VeeamHvIntegration.msi has been uploaded | |
| | ✓ Installing package Hyper-V Integration | 0:00:13 |
| | ✓ Deleting temporary folder | |
| | ✓ Registering client DC2 for package Transport | |
| | ✓ Registering client DC2 for package Hyper-V Integration | |
| | ✓ Discovering installed packages | |
| | ✓ All required packages have been successfully installed | |
| | ✓ Detecting OS version | |
| | ✓ Creating configuration database records. | |
| | ✓ Collecting disks and volumes info | 0:00:36 |
| | ✓ Server has been saved successfully | |

< Previous

Next >

Finish

Cancel

New Hyper-V Server

×

+

Summary

You can copy the configuration information below for future reference.

| | |
|-------------|---|
| Name | Summary: |
| Type | Microsoft Hyper-V Server 'DC1.RAMLAN.CA' was successfully modified. |
| Credentials | OS version: Microsoft Windows Server 2016 Datacenter 64-bit (10.0.14393 build:14393). |
| Apply | User: RAMLAN\Administrator |
| Results | Hardware info: |
| Summary | Chassis type: Physical |
| | Cores count: 4 |
| | Components: |
| | Transport using port 6162 |
| | Hyper-V Integration using port 6163 |
| | Installer using port 6160 |

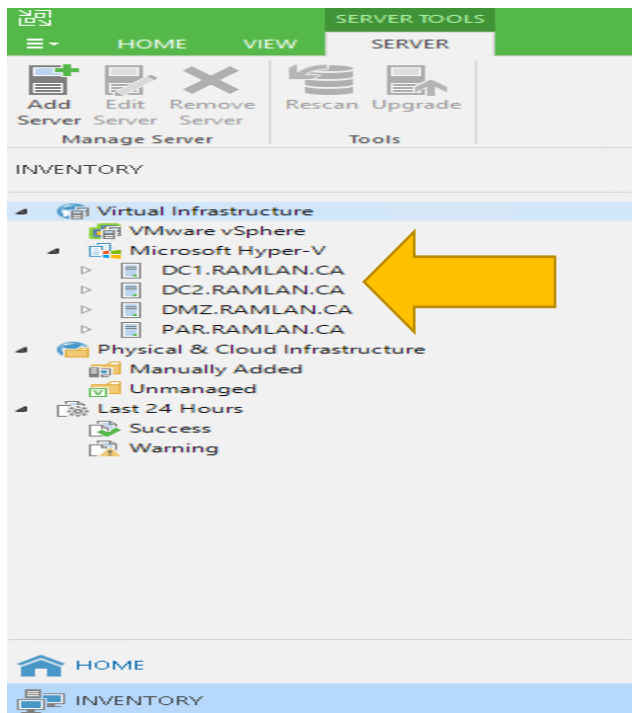
< Previous

Next >

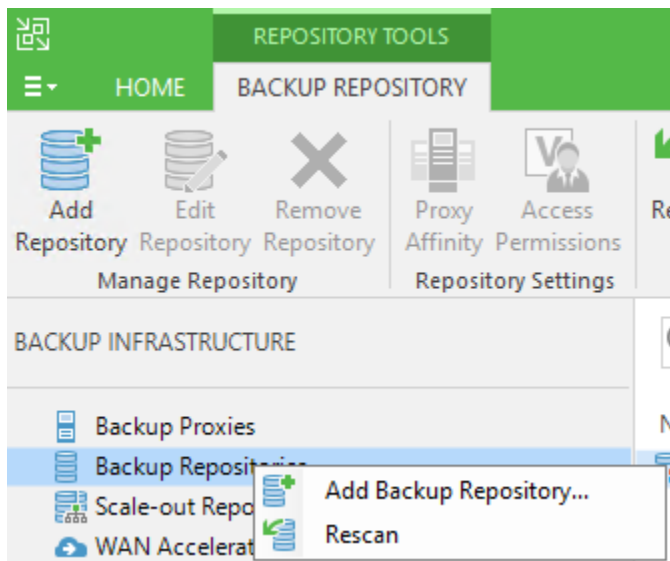
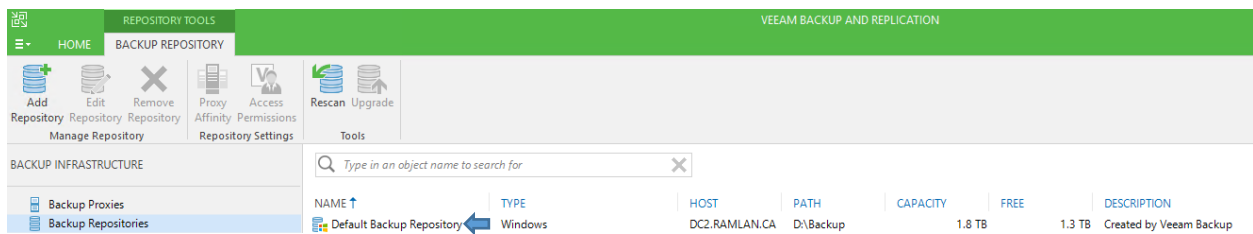
Finish

Cancel


Now keep adding all other Hyper-V hosts. You will see all Hyper-V host as detailed below:



When you install Veeam B&R, it creates a default backup repository. I don't want to use this repository for all backup jobs. I am going to create a new repository and map to G drive which is our iSCSI drive.



New Backup Repository



Name
Type in a name and description for this backup repository.

| | |
|--------------|--|
| Name | <div>Name: Veeam Backup Repository</div> |
| Type | <div>Description: Created by RAMLAN\ADMINISTRATOR at 05-Sep-2018 12:24 PM.</div> |
| Server | |
| Repository | |
| Mount Server | |
| Review | |
| Apply | |


< Previous

Next >

Finish

Cancel

New Backup Repository



Type
Choose type of backup repository you want to create.

| | |
|--------------|---|
| Name | <div><input checked="" type="radio"/> Microsoft Windows server Microsoft Windows server with internal or directly attached storage. Data mover process running directly on the server allows for improved backup efficiency, especially over slow links.</div> |
| Type | <div><input type="radio"/> Linux server Linux server with internal, directly attached, or mounted NFS storage. Data mover process running directly on the server allows for more efficient backups, especially over slow links.</div> |
| Server | <div><input type="radio"/> Shared folder CIFS (SMB) share. When backing up over slow links, we recommend that you specify a gateway server located in the same site with the shared folder.</div> |
| Repository | <div><input type="radio"/> Deduplicating storage appliance Advanced integration with Dell EMC Data Domain, ExaGrid and HPE StoreOnce. For basic integration, use the Shared folder option above.</div> |
| Mount Server | |
| Review | |
| Apply | |


< Previous



Next >

Finish

Cancel


New Backup Repository
✕


Repository
Type in path to the folder where backup files should be stored, and set repository load control options.

| | |
|--------------|--|
| Name | <div> Location Path to folder: <input type="text" value="G:\Backup Jobs"/> Browse... </div> <div>  Capacity: 249.9 GB Populate </div> <div>  Free space: 249.8 GB </div> <div> Load control Running too many concurrent tasks against the same repository may reduce overall performance, and cause I/O operations to timeout. Control storage device saturation with the following settings: <input checked="" type="checkbox"/> Limit maximum concurrent tasks to: <input type="text" value="4"/> </div> <div> <input type="checkbox"/> Limit read and write data rates to: <input type="text"/> MB/s </div> <div> Click Advanced to customize repository settings Advanced... </div> |
| Type | |
| Server | |
| Repository | |
| Mount Server | |
| Review | |
| Apply | |

< Previous
Next >
Finish
Cancel

New Backup Repository
✕


Mount Server
Specify a server to mount backups to for file-level restores. vPower NFS service allows for running virtual machines directly from backup files, enabling advanced functionality such as Instant VM Recovery, SureBackup and On-Demand Sandbox.

| | |
|--------------|---|
| Name | <div> Mount server: <input type="text" value="DC2.RAMLAN.CA (Backup server)"/> </div> <div> <input checked="" type="checkbox"/> Enable vPower NFS service on the mount server (recommended) Specify vPower NFS write cache location on the mount server. Make sure the selected volume has enough free disk space available to store changed disk blocks of instantly recovered VMs. Folder: <input type="text" value="C:\ProgramData\Veeam\Backup\NfsDatastore"/> Browse... </div> <div> Click Ports to change NFS server and backup mount listener ports Ports... </div> |
| Type | |
| Server | |
| Repository | |
| Mount Server | |
| Review | |
| Apply | |

< Previous
Next >
Finish
Cancel

New Backup Repository

**Review**

Please review the settings, and click Apply to continue.

Name
Type
Server
Repository
Mount Server

Repository type: **Windows**
Mount host: **DC2.RAMLAN.CA**
Account: **Not set**
Backup folder: **G:\Backup Jobs**
Write throughput: **Not limited**
Max parallel tasks: **4**

Review

Apply

The following components will be processed on server DC2.RAMLAN.CA:

| Component name | Status |
|----------------|----------------|
| Transport | already exists |
| vPower NFS | already exists |
| Mount Server | already exists |

☐ Import existing backups automatically☐ Import guest file system index

< Previous

Apply

Finish

Cancel

New Backup Repository

**Apply**

Please wait while backup repository is created and saved in configuration. This may take a few minutes...

Name
Type
Server
Repository
Mount Server
Review

Apply

| Message | Duration |
|--|----------|
| ✓ Starting managed server maintenance job | 0:00:01 |
| ✓ Discovering installed packages | |
| ✓ Registering client DC2 for package Transport | |
| ✓ Registering client DC2 for package vPower NFS | |
| ✓ Registering client DC2 for package Mount Server | |
| ✓ Discovering installed packages | |
| ✓ All required packages have been successfully installed | |
| ✓ Detecting server configuration | |
| ✓ Reconfiguring vPower NFS service | |
| ✓ Creating configuration database records for installed packages | |
| ✓ Creating database records for repository | |
| ✓ Backup repository has been added successfully | |
| | |
| | |
| | |
| | |

< Previous

Next >

Finish

Cancel

Veeam Backup and Replication

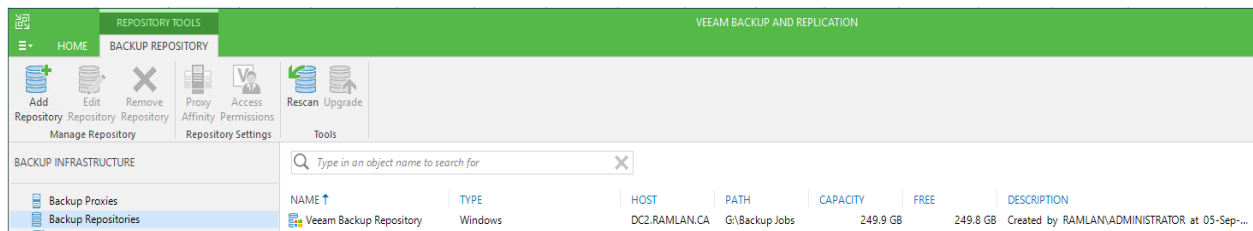
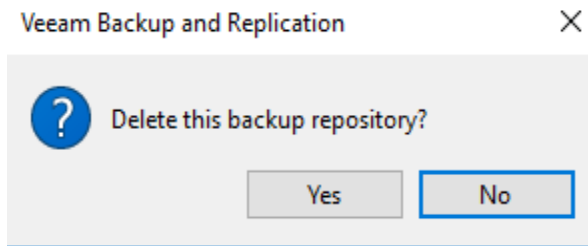
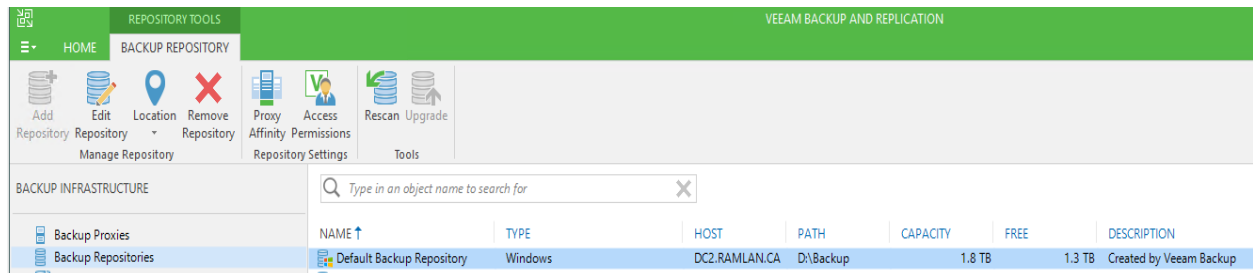


Change the configuration backup location to the newly created repository?

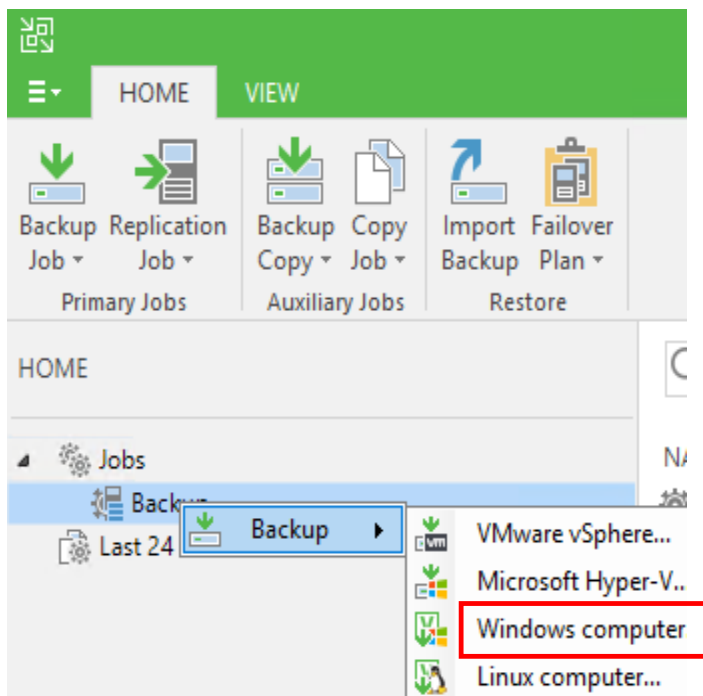
Yes

No

Now, I will remove the repository created by Veeam during initial install.



Will create Exchange Server 2016 backup job & schedule for 8PM. This will be entire computer backup



New Agent Backup Job

**Job Mode**

Specify protected computer type and backup agent management mode.

| | |
|--|--|
| Job Mode | Type: |
| Name | <input type="radio"/> Workstation |
| Computers | <input checked="" type="radio"/> Server |
| Backup Mode | <input type="radio"/> Failover cluster |
| Storage | Mode: |
| Guest Processing | <input checked="" type="radio"/> Managed by backup server |
| Schedule | Veeam backup server schedules and executes backups on the protected computers. This mode is recommended for always-on workloads with a permanent connection to the backup server, such as servers or clusters located in the same data center. |
| Summary | <input type="radio"/> Managed by agent |
| | Veeam backup server deploys the protection policy to all agents, however the job is managed by the agent itself. This mode is recommended for workstations and servers located in remote sites with poor connectivity to the main data center. |
| <div>< Previous Next > Finish Cancel</div> | |

New Agent Backup Job


**Name**

Type in a name and description for this agent backup job.

| | |
|--|---|
| Job Mode | Name: |
| Name | <input type="text" value="Agent Backup Job 1"/> |
| Computers | Description: |
| Backup Mode | <input type="text" value="Created by RAMLAN\ADMINISTRATOR at 05-Sep-2018 12:42 PM."/> |
| Storage | |
| Guest Processing | |
| Schedule | |
| Summary | |
| <div>< Previous Next > Finish Cancel</div> | |

New Agent Backup Job

×

**Computers**
Specify individual computers or protection groups that you want to process. In case of Active Directory-based protection groups, you have the flexibility to pick individual nested containers or objects as well.

Job Mode

Name

Computers

Backup Mode


Storage

Guest Processing

Schedule

Summary

Protected computers:

| Name | Type | |
|--|----------|--|
|  EX2016.RAMLAN.CA | Computer | |
| | | |
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Add...

Remove

↑ Up

↓ Down

< Previous


Next >

Finish

Cancel

New Agent Backup Job

×

**Backup Mode**
Choose what data you want to backup from selected computers.

Job Mode

Name

Computers

Backup Mode

Storage

Guest Processing

Schedule

Summary

☒ **Entire computer**
Back up entire computer image for fast recovery on any level. Deleted, temporary and page files are automatically excluded from the image to reduce the backup size.

☐ **Volume level backup**
Back up images of specified volumes, for example only data volumes. Deleted, temporary and page files are automatically excluded from the image to reduce the backup size.

☐ **File level backup (slower)**
Back up individual files and folders. This mode produces an image-based backup with only selected files included in the image.

< Previous


Next >

Finish

Cancel

New Agent Backup Job

×



Storage
Specify backup repository to store the backup files produced by this job and customize advanced job settings if required.

Job Mode

Name

Computers

Backup Mode

Storage

Guest Processing

Schedule

Summary

Backup repository:

Veeam Backup Repository (Created by RAMLAN\ADMINISTRATOR at 05-Sep-2018 12:24 PM.)

249 GB free of 249 GB

Map backup

Retention policy

Restore points to keep on disk: 14

Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings.

Advanced

< Previous

Next >

Finish

Cancel

Advanced Settings

×

BackupMaintenanceStorageThrottlingNotificationsScripts

Backup mode

☐ Create synthetic full backups periodically

Days...

Create on: Wednesday

Active full backup

☒ Create active full backups periodically

☒ Monthly on: FirstWednesdayMonths...

☐ Weekly on selected days: Wednesday

Save As Default

OK

Cancel

Advanced Settings

×

BackupMaintenanceStorageThrottlingNotificationsScripts

Storage-level corruption guard

☒ Perform backup files health check (detects and auto-heals corruption)

☒ Monthly on: LastFridayMonths...

☐ Weekly on selected days: Friday

Full backup file maintenance

Use these settings to clean up, defragment and compact full backup file periodically when the job schedule does not include periodic fulls.

☒ Remove deleted items data after 14 days

☐ Defragment and compact full backup file

☒ Monthly on: LastSaturdayMonths...

☐ Weekly on selected days: Saturday

Save As Default

OK

Cancel

Advanced Settings

Backup Maintenance **Storage** Throttling Notifications Scripts

Data reduction

Compression level:
Optimal (recommended) ▾

Optimal compression provides for best compression to performance ratio, and lowest backup proxy CPU usage.

Storage optimization:
Local target ▾

Best performance at the cost of lower deduplication ratio and larger incremental backups. Recommended for direct-attached storage.

Encryption

☐ Enable backup file encryption

Password:
▾ Add...

Manage passwords

Save As Default OK Cancel

Advanced Settings

Backup Maintenance Storage **Throttling** Notifications Scripts

☐ Run backup agent with low I/O priority

Reduces impact on other applications running on protected computers at the cost of lower backup performance.

Save As Default OK Cancel

Advanced Settings

Backup Maintenance Storage Throttling **Notifications** Scripts

☐ Send SNMP notifications for this job

☒ Send e-mail notifications to the following recipients:
ram@ramlan.ca

☒ Use global notification settings

☐ Use custom notification settings specified below:

Subject:
[%JobResult%] %JobName% (%VmCount% machines) %Issues%

☒ Notify on success

☒ Notify on warning

☒ Notify on error

☒ Suppress notifications until the last retry

Save As Default OK Cancel

Advanced Settings

Backup Maintenance Storage Throttling Notifications **Scripts**

Job scripts

☐ Before the job:
▾ Browse...

☐ After the job:
▾ Browse...

☒ Run scripts every 1 ▾ backup session

☐ Run scripts on the selected days only
Saturday Days...

Save As Default OK Cancel



Guest Processing

Choose application processing options.

Job Mode

Name

Computers

Backup Mode

Storage

Guest Processing

Schedule

Summary

☒ **Enable application-aware processing**

Detects and prepares applications for consistent backup, performs transaction logs processing, and configures the OS to perform required application restore steps upon first boot.

Customize application handling options for individual items and applications

Applications...

☐ **Enable guest file system indexing**

Creates catalog of guest files to enable browsing, searching and 1-click restores of individual files. Indexing is optional, and is not required to perform instant file level recoveries.

Customize advanced guest file system indexing options for individual items

Indexing...

< Previous

Next >

Finish

Cancel

Specify application-aware processing settings for individual items:

[illegible]

Add...

Edit...

OK

Cancel

New Agent Backup Job

Schedule

Specify the scheduling options. If you do not set the schedule, the job will need to be controlled manually.

Job Mode

Name

Computers

Backup Mode

Storage

Guest Processing

Schedule

Summary

☒ Run the job automatically

☐ Daily at this time: 10:00 PM Everyday Days...

☒ Monthly at this time: 8:00 PM First Wednesday Months...

☐ Periodically every: 1 Hours Schedule...

☐ After this job:

Automatic retry

☒ Retry failed items processing: 3 times

Wait before each retry attempt for: 10 minutes

Backup window

☐ Terminate job if it exceeds allowed backup window Window...

If the job does not complete within allocated backup window, it will be terminated to prevent snapshot commit during production hours.

< Previous

Apply

Finish

Cancel

New Agent Backup Job

Summary

The policy's settings have been saved successfully. Click Finish to exit the wizard.

Job Mode

Name

Computers

Backup Mode

Storage

Guest Processing

Schedule

Summary

Summary:

Name: Agent Backup Job 1
 Type: Windows Agent Backup
 Enable application-aware processing
 Source items:
 EX2016.RAMLAN.CA

☐ Run the job when I click Finish

< Previous

Next >

Finish

Cancel

VEEAM BACKUP AND REPLICATION

HOME VIEW

Backup Replication Job

Backup Copy Job

Import Backup Plan

Failover Restore

HOME

Jobs

Backup

Last 24 Hours

NAME

Agent Backup Job 1

TYPE

Windows Agent Backup

OBJECTS

1

STATUS

Stopped

LAST RES...

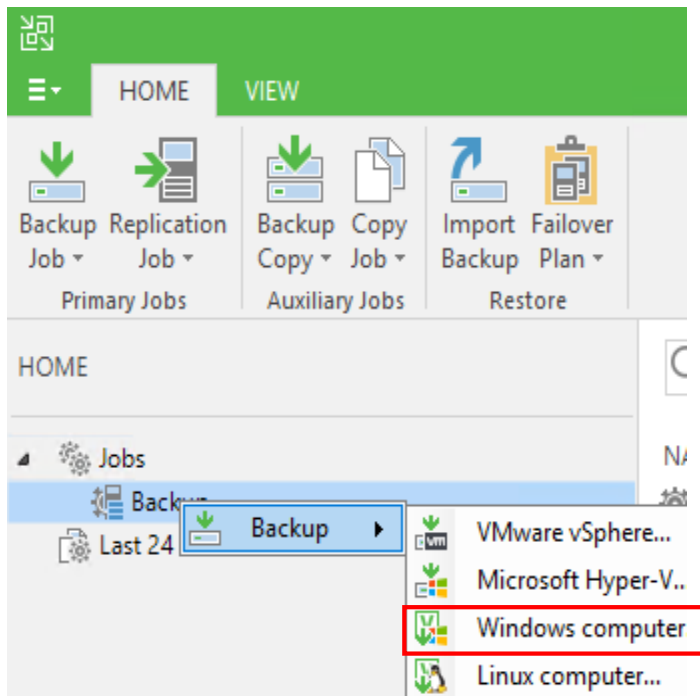
05-Sep-2018 8:00...

NEXT RUN

Veeam Backup Repository

TARGET

The next backup job will be file based for Exchange Server 2016. I just want to backup Mailbox only.



New Agent Backup Job



Job Mode

Specify protected computer type and backup agent management mode.

| | |
|------------------|--|
| Job Mode | Type: |
| Name | <input type="radio"/> Workstation |
| Computers | <input checked="" type="radio"/> Server |
| Backup Mode | <input type="radio"/> Failover cluster |
| Storage | Mode: |
| Guest Processing | <input checked="" type="radio"/> Managed by backup server |
| Schedule | Veeam backup server schedules and executes backups on the protected computers. This mode is recommended for always-on workloads with a permanent connection to the backup server, such as servers or clusters located in the same data center. |
| Summary | <input type="radio"/> Managed by agent |
| | Veeam backup server deploys the protection policy to all agents, however the job is managed by the agent itself. This mode is recommended for workstations and servers located in remote sites with poor connectivity to the main data center. |

< Previous **Next >** Finish Cancel

×



Name

Type in a name and description for this agent backup job.

| | |
|------------------|--|
| Job Mode | Name: |
| Name | <input type="text" value="Agent Backup Job 2"/> |
| Computers | Description: |
| Backup Mode | <input type="text" value="Created by RAMLAN\ADMINISTRATOR at 05-Sep-2018 1:31 PM."/> |
| Items | |
| Storage | |
| Guest Processing | |
| Schedule | |
| Summary | |

[< Previous](#) [Next >](#) [Finish](#) [Cancel](#)

×



Computers

Specify individual computers or protection groups that you want to process. In case of Active Directory-based protection groups, you have the flexibility to pick individual nested containers or objects as well.

Job Mode

Name

Computers

Backup Mode

Items

Storage

Guest Processing

Schedule

Summary

Protected computers:

| Name | Type | |
|------------------|----------|--|
| EX2016.RAMLAN.CA | Computer | |
| | | |
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Add...

Remove

Up

Down

< Previous

Next >


Finish

Cancel



Edit Agent Backup Job Agent Backup Job 2

×



Storage

Specify backup repository to store the backup files produced by this job and customize advanced job settings if required.

Job Mode

Name

Computers

Backup Mode

Items

Storage

Guest Processing

Schedule

Summary

Backup repository:

Veeam Backup Repository (Created by RAMLAN\ADMINISTRATOR at 05-Sep-2018 12:24 PM.)

249 GB free of 249 GB

Map backup

Retention policy

Restore points to keep on disk: 14

Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings.

Advanced

< Previous

Next >

Finish

Cancel

Advanced Settings

×

Advanced Settings

×

Backup

Maintenance

Storage

Throttling

Notifications

Scripts

Backup mode

☒ Create synthetic full backups periodically

Days...

Create on: Saturday

Active full backup

☒ Create active full backups periodically

☐ Monthly on: First Monday Months...

☒ Weekly on selected days: Wednesday

Days...

Backup

Maintenance

Storage

Throttling

Notifications

Scripts

Storage-level corruption guard

☐ Perform backup files health check (detects and auto-heals corruption)

☒ Monthly on: Last Friday Months...

☐ Weekly on selected days: Friday

Days...

Full backup file maintenance

Use these settings to clean up, defragment and compact full backup file periodically when the job schedule does not include periodic fulls.

☒ Remove deleted items data after 14 days

☐ Defragment and compact full backup file

☒ Monthly on: Last Saturday Months...

☐ Weekly on selected days: Saturday

Days...

Save As Default

OK

Cancel

Save As Default

OK

Cancel

Advanced Settings

BackupMaintenanceStorageThrottlingNotificationsScripts

Data reduction

Compression level:
Optimal (recommended)

Optimal compression provides for best compression to performance ratio, and lowest backup proxy CPU usage.

Storage optimization:
Local target

Best performance at the cost of lower deduplication ratio and larger incremental backups. Recommended for direct-attached storage.

Encryption

☐ Enable backup file encryption

Password:

Add...

Manage passwords

Save As Default

OK

Cancel

Advanced Settings

BackupMaintenanceStorageThrottlingNotificationsScripts

☐ Run backup agent with low I/O priority

Reduces impact on other applications running on protected computers at the cost of lower backup performance.

Save As Default

OK

Cancel

Advanced Settings

BackupMaintenanceStorageThrottlingNotificationsScripts

☐ Send SNMP notifications for this job

☒ Send e-mail notifications to the following recipients:
ram@ramlan.ca

☒ Use global notification settings

☐ Use custom notification settings specified below:
Subject:
[%JobResult%] %JobName% (%VmCount% machines) %Issues%

☒ Notify on success

☒ Notify on warning

☒ Notify on error

☒ Suppress notifications until the last retry

Save As Default

OK

Cancel

Advanced Settings

BackupMaintenanceStorageThrottlingNotificationsScripts

Job scripts

☐ Before the job:
Browse...

☐ After the job:
Browse...

☒ Run scripts every 1 backup session

☐ Run scripts on the selected days only
Days...
Saturday

Save As Default

OK

Cancel

**Schedule**

Specify the scheduling options. If you do not set the schedule, the job will need to be controlled manually.

| | |
|------------------|--|
| Job Mode | <input checked="" type="checkbox"/> Run the job automatically |
| Name | <input checked="" type="radio"/> Daily at this time: 2:00 PM Everyday Days... |
| Computers | <input type="radio"/> Monthly at this time: 10:00 PM Fourth Saturday Months... |
| Backup Mode | <input type="radio"/> Periodically every: 1 Hours Schedule... |
| Items | <input type="radio"/> After this job: Agent Backup Job 1 (Created by RAMLAN\ADMINISTRATOR at 05-Sep-... |
| Storage | Automatic retry |
| Guest Processing | <input checked="" type="checkbox"/> Retry failed items processing: 3 times |
| Schedule | Wait before each retry attempt for: 10 minutes |
| Summary | Backup window |
| | <input type="checkbox"/> Terminate job if it exceeds allowed backup window Window... |
| | If the job does not complete within allocated backup window, it will be terminated to prevent snapshot commit during production hours. |

< Previous Apply Finish Cancel

**Summary**

You have successfully created the new Agent backup job.

| | |
|------------------|-------------------------------------|
| Job Mode | Summary: |
| Name | Name: Agent Backup Job 2 |
| Computers | Type: Windows Agent Backup |
| Backup Mode | Enable application-aware processing |
| Items | Source items: |
| Storage | EX2016.RAMLAN.CA |
| Guest Processing | |
| Schedule | |
| Summary | |

☐ Run the job when I click Finish

< Previous Next > Finish Cancel

This concludes the process of configuring backup within Veeam B&R.