

What's New with Veeam Agent *for Microsoft Windows 2.0*



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Agenda

Introduction

Veeam[®] Agent editions

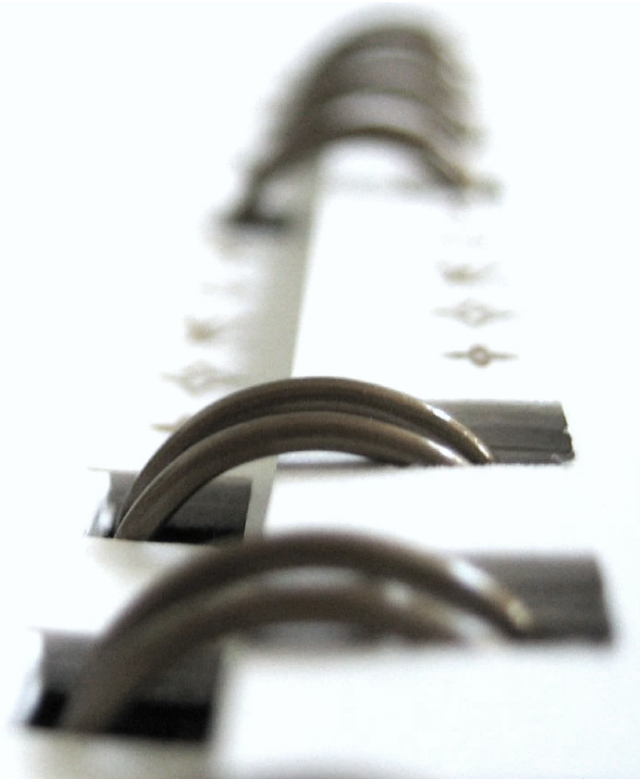
Full server support and application processing

Cloud Connect

Backup cache

Configuration API

Veeam Agent + Veeam Backup & Replication[™] =
Veeam Backup & Replication Agent edition



Why agents?





Three key challenges

1

Non-virtualized systems

2

Roaming laptop and tablet RPO

3

Public cloud / other hypervisor

What is an agent?

Persistent software that runs continuously within the operating system.

Required for protecting:

- Physical servers, workstations and endpoints
- Workloads running in Microsoft Azure, AWS or other public cloud
- Veeam restore options that enable workload mobility



Why use agents?

1

A way to interact
with public cloud
architectures

2

Better interaction
with physical servers
and workstations

3

**Agentless is
STILL superior
in virtualized
environments**

Editions



Veeam Agent for Microsoft Windows

	Free	Workstation	Server
Instant Recovery to Microsoft Hyper-V VM	●	●	●
Direct Restore to Microsoft Azure	●	●	●
Source-side encryption	●	●	●
Password Loss Protection	●	●	●
Endpoint protection for mobile users		●	●
Back up directly to Veeam Cloud Connect		●	●
Remote configuration and management API		●	●
24.7.365 technical support		●	●
Synthetic full backup		●	●
Advanced ReFS Integration		●	●
Application-aware processing			●
Transaction log backup for databases			●
Guest file indexing and search			●

Full server support



Three key challenges

1

Bare metal recovery

2

Application consistency

3

Application item restore

Demo



Cloud Connect





Three key challenges

1

Back up over WAN

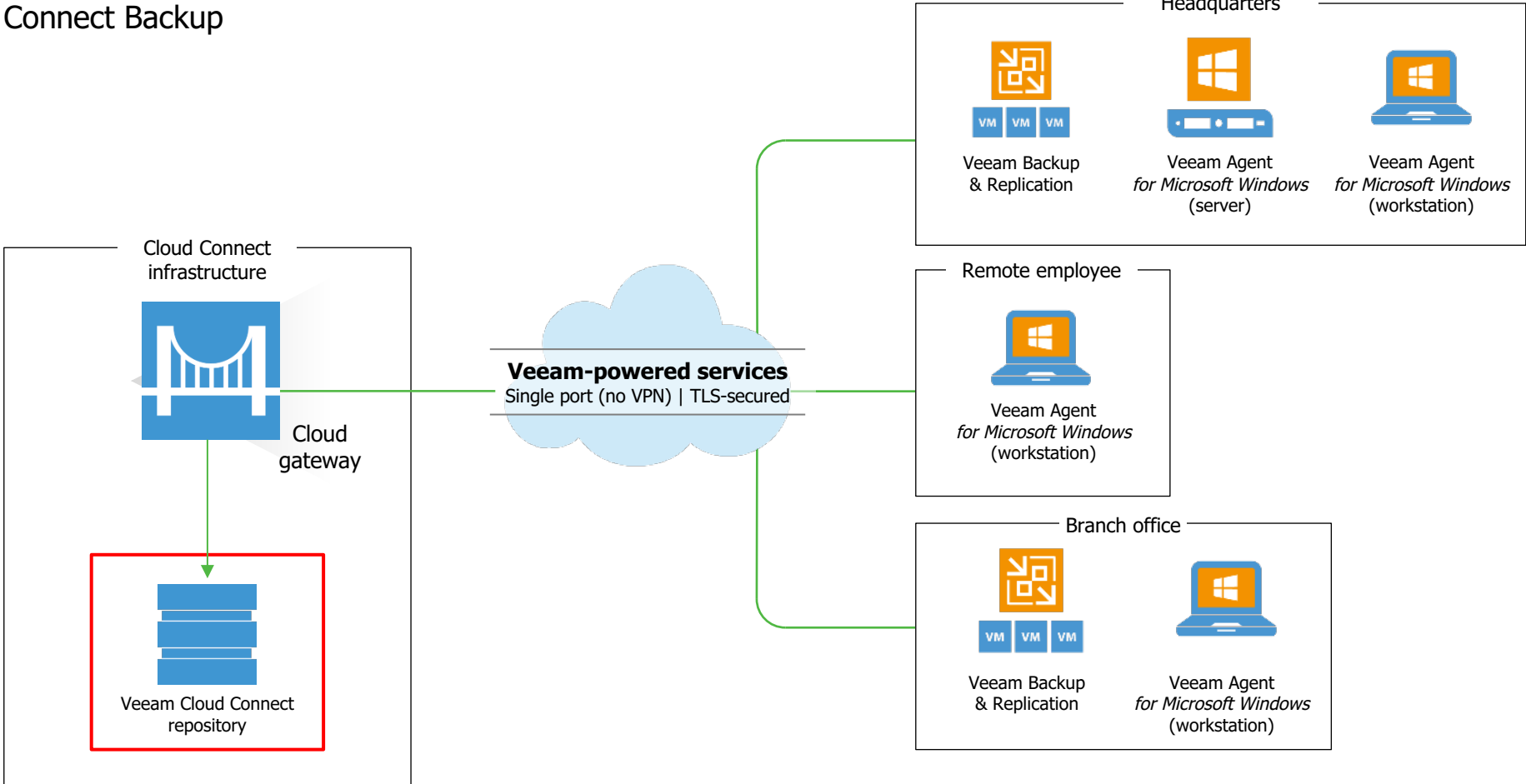
2

Multi-site protection

3

Backup as a Service

Veeam Agent for Microsoft Windows with Veeam Cloud Connect Backup



Configure Backup



Destination

Choose where you want to backup your data to. We highly recommend that you do not store your backups on the same computer that you are protecting.

Backup Mode

Destination

Service Provider

Credentials

Backup Resources

Backup Cache

Guest Processing

Schedule

Summary

Local storage

Choose this option to back up to a locally attached storage device such as USB, Firewire or eSATA external hard drive. Backing up to internal hard drives is not recommended.

Shared folder

Choose this option to back up to an SMB (CIFS) share on a Network Attached Storage (NAS) device, or on a regular file server.

Veeam backup repository

Choose this option to back up to a backup repository managed by Veeam Backup & Replication 9.5 Update 2 or later server.

Veeam Cloud Connect repository

Choose this option to back up to a cloud repository managed by Veeam Cloud Connect service provider.

< Previous

Next >

Finish

Cancel

Demo



Backup cache

The background is a solid green color with a decorative wavy pattern of small, light green dots that creates a sense of depth and movement, particularly on the right side of the image.



Advanced backup cache



Critical technology for mobile workers to not miss recovery points when they are offline

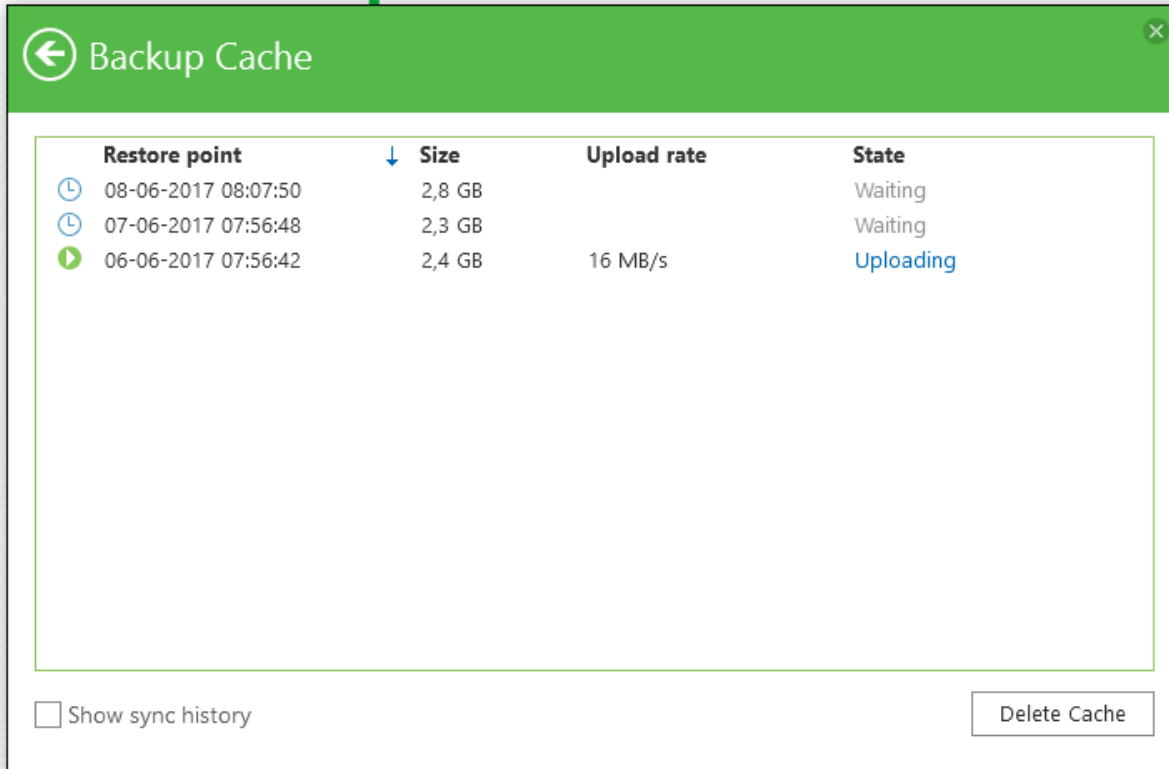


Incremental restore points are made **without** the full backup



Then those are uploaded when connectivity is re-established

Show Backup Cache



The screenshot shows the 'Backup Cache' window with a table of restore points. The table has four columns: 'Restore point', 'Size', 'Upload rate', and 'State'. The first two rows are in a 'Waiting' state, while the third row is 'Uploading' at a rate of 16 MB/s. At the bottom left, there is a checkbox for 'Show sync history' which is currently unchecked. At the bottom right, there is a 'Delete Cache' button.

Restore point	Size	Upload rate	State
08-06-2017 08:07:50	2,8 GB		Waiting
07-06-2017 07:56:48	2,3 GB		Waiting
06-06-2017 07:56:42	2,4 GB	16 MB/s	Uploading

Show sync history

Delete Cache

Demo



Configuration API





Three key challenges

1

Configuration deployment

2

Customization

3

Integration with anything

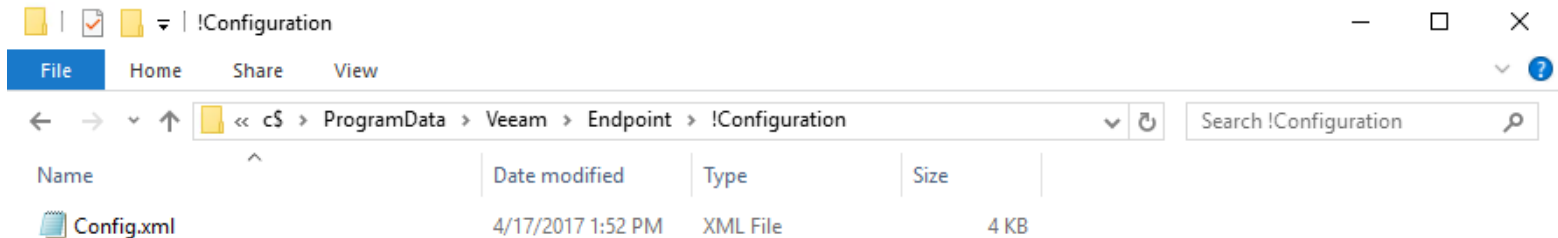
Veeam Agent *for Microsoft Windows API*

Administrator: Command Prompt

```
C:\Program Files\Veeam\Endpoint Backup>Veeam.Agent.Configurator.exe /?
Usage: Veeam.Agent.Configurator.exe [-license] [-import] [-export]

Options:
-license      Install license and set edition.
-import      Import application settings and backup job configuration from a file.
-export      Export application settings and backup job configuration to a file.

ExitCode: 0
```



Veeam Agent *for Microsoft Windows API*

Administrator: Command Prompt

```
C:\Program Files\Veeam\Endpoint Backup>Veeam.Agent.Configurator.exe -import /f:c:/config.xml
ExitCode: 0

Configuration has been imported

C:\Program Files\Veeam\Endpoint Backup>_
```

Veeam Agent for Microsoft Windows = .ps1

```
Deploy-VAW.ps1 X
40 .EXAMPLE
41 VAWInstall.ps1 -TenantAccount "MyTaccount" -TenantPassword "MyP@ssword" -Configfile "C:\VAW\ExportedConfig.xml"
42
43 .NOTES
44 Version 1.0
45 Author: Clint Wyckoff @ Veeam
46 #>
47
48 Param (
49     [string]$Installer = "\\phx-dc1.phx.aperturelabs.biz\VAW\2.0.0.677\Source\VeeamAgentWindows_2.0.0.677.exe",
50     [string]$LicenseFile = "\\phx-dc1.phx.aperturelabs.biz\VAW\2.0.0.677\Extras\veeam_agent_windows_trial_10_new.lic",
51     [string]$ConfigFile = "\\phx-dc1.phx.aperturelabs.biz\VAW\2.0.0.677\Extras\Config.xml",
52     [string]$TenantAccount = "backup",
53     [string]$TenantPassword = "password",
54     [string]$VeeamAgentInstallDirectory = "C:\Program Files\Veeam\Endpoint Backup"
55 )
56
57 $VeeamAgentInstallDirectory = $VeeamAgentInstallDirectory -Replace "\\*$"
58 If ((Test-Path $LicenseFile) -eq $False) {
59     Write-Host -ForegroundColor Red "Cannot find the License file at $LicenseFile"
60     Exit 1
61 }
62 If ((Test-Path $ConfigFile) -eq $False) {
63     Write-Host -ForegroundColor Red "Cannot find the Configuration file at $ConfigFile"
64     Exit 2
65 }
66 If ((Test-Path $Installer) -eq $False) {
67     Write-Host -ForegroundColor Red "Cannot find the Installer at $Installer"
68     Exit 3
69 }
70
71 Write-Host -ForegroundColor Green "Step #1: Installing Veeam Agent for Windows. Please wait a minute."
72 $Process = (Split-Path $Installer -leaf) -Replace ".exe$"
73 Start-Process -FilePath $Installer -Verb runas -ArgumentList "/silent /accepteula"
74 $counter = 0
75 Do {
76     Start-Sleep -Seconds 2
77     If ($counter % 10 -eq 0) {
78         Write-Host -ForegroundColor Green "Waiting for installer to complete."
79     }
80     $counter++;
81 } While (Get-Process $Process -ErrorAction SilentlyContinue)
82
83 Stop-Process -Name "Veeam.EndPoint.Tray" -Force -ErrorAction SilentlyContinue
84
85 Write-Host -ForegroundColor Green "Step #2: Applying your License File to the Protected Host"
86 Set-Location $VeeamAgentInstallDirectory
87 Start-Process Veeam.Agent.Configurator.exe -ArgumentList "-license /f:'$LicenseFile'"
88
89 Write-Host -ForegroundColor Green "Step #3: Applying your Desired Configuration to the Protected Host"
90 Start-Process Veeam.Agent.Configurator.exe -ArgumentList "-import /f:'$ConfigFile'"
91
92 Start-Process "$VeeamAgentInstallDirectory\Veeam.EndPoint.Tray.exe"
```

Demo



Veeam Backup & Replication Agent edition!



Three key challenges

1

Physical only sites

2

Management and control

3

Advanced restore options

Demo



Questions

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Thank you!

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