VEEAMON2017

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

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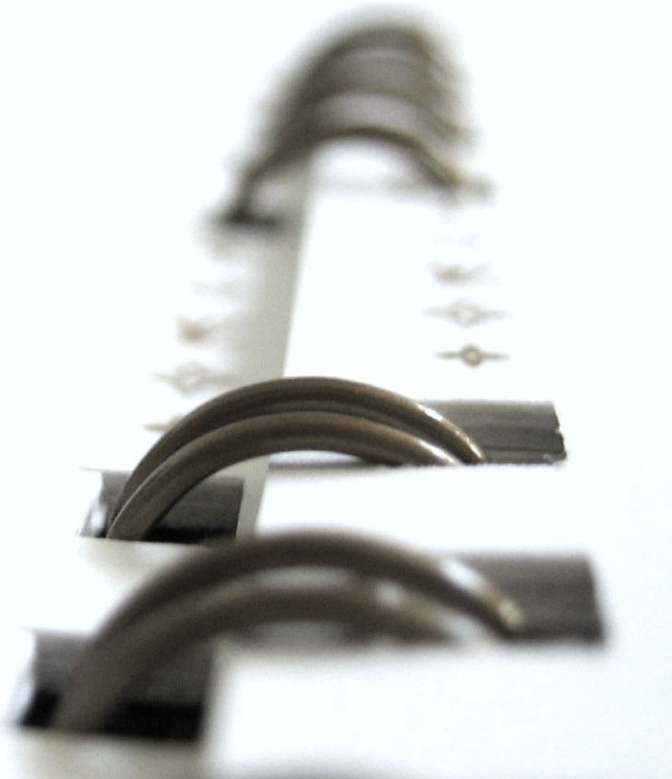
Agenda

- 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

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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

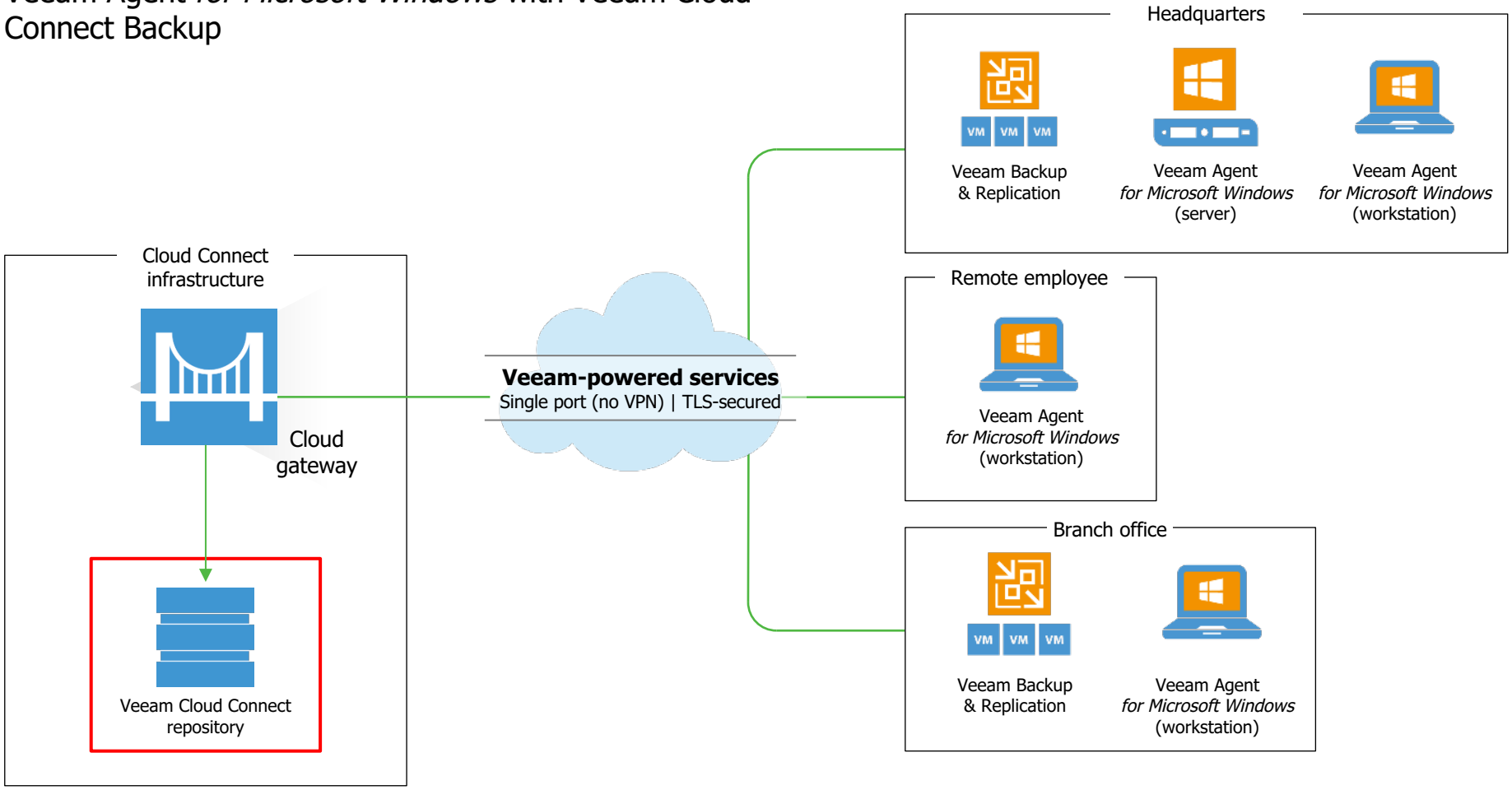
Demo

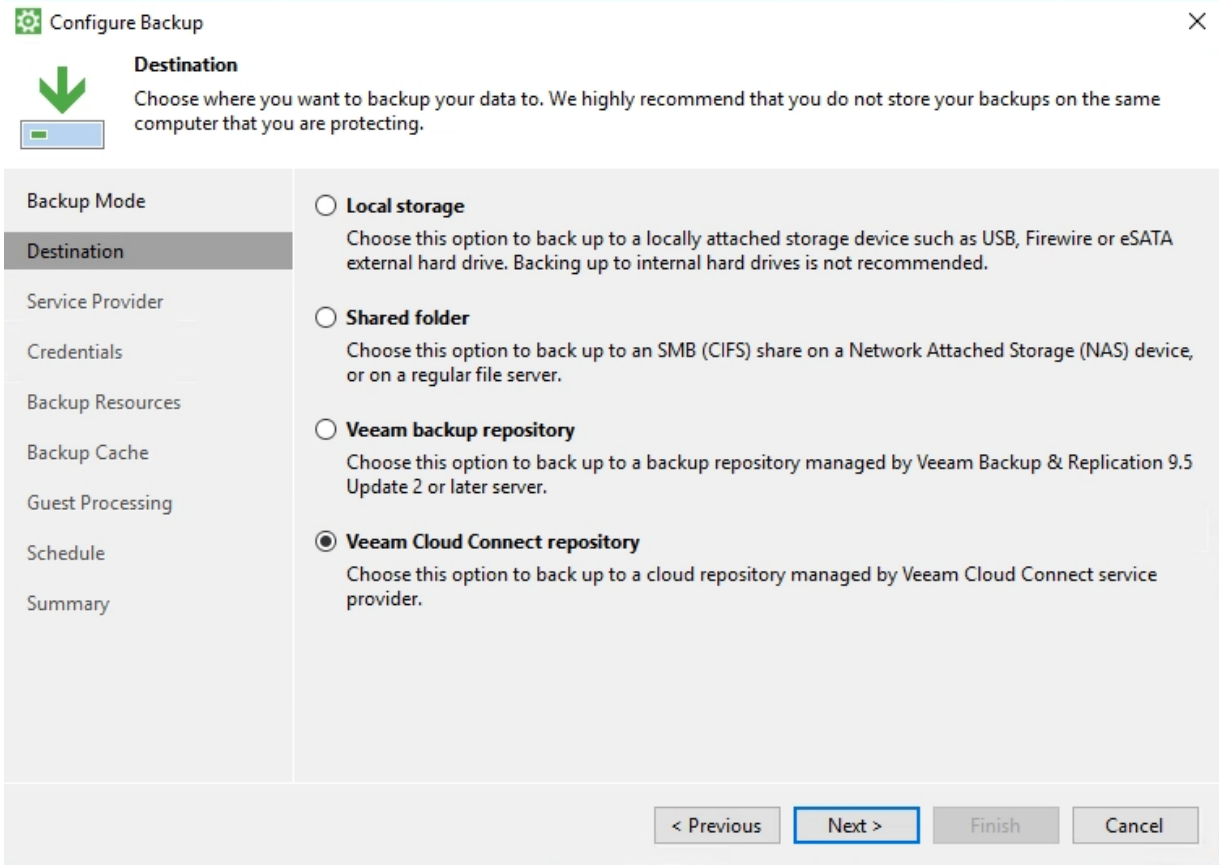
Cloud Connect

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





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Demo

Backup cache

Internal Use Only

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

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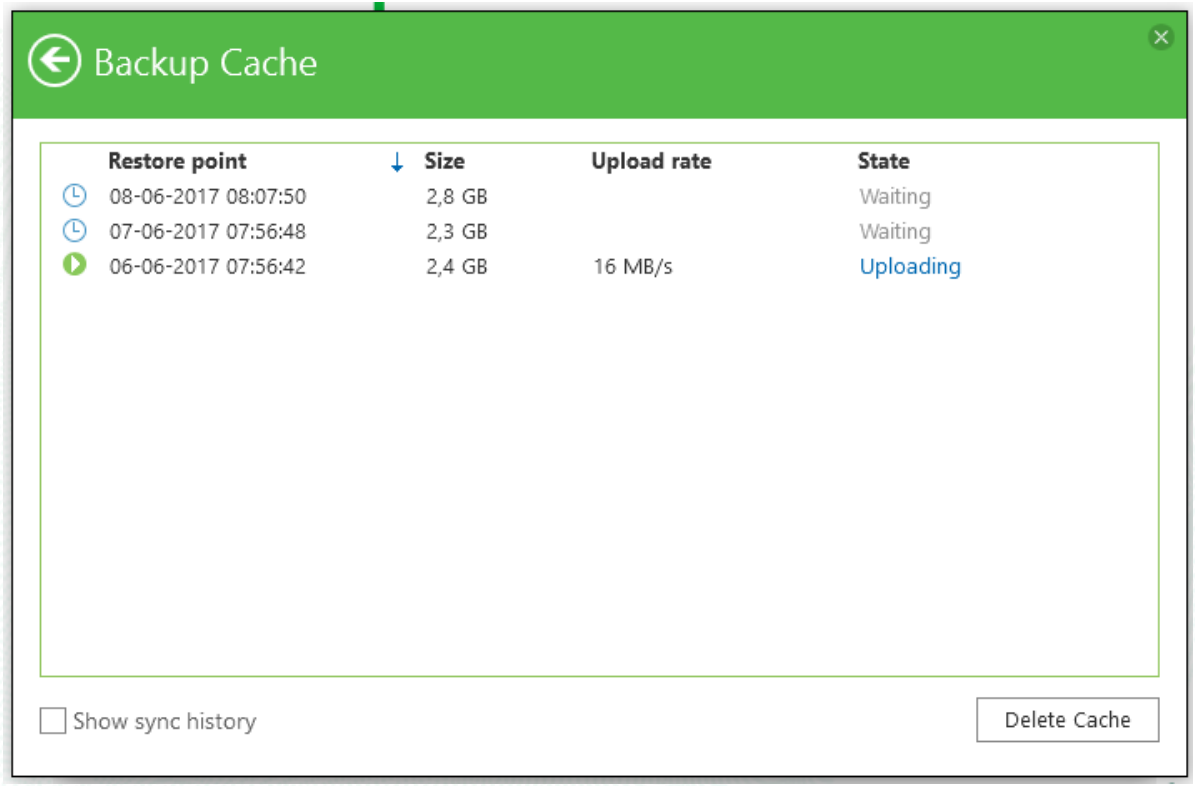
Show Backup Cache



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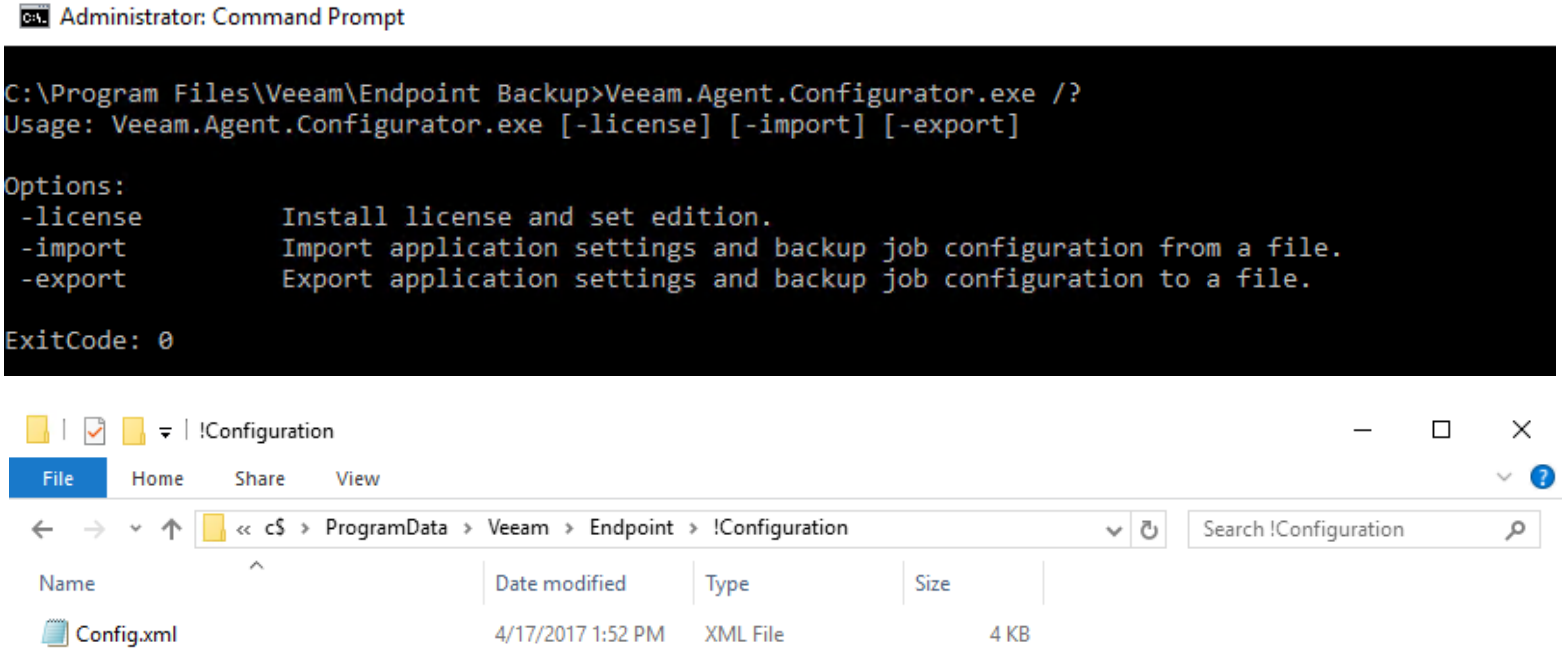
Demo

Configuration API

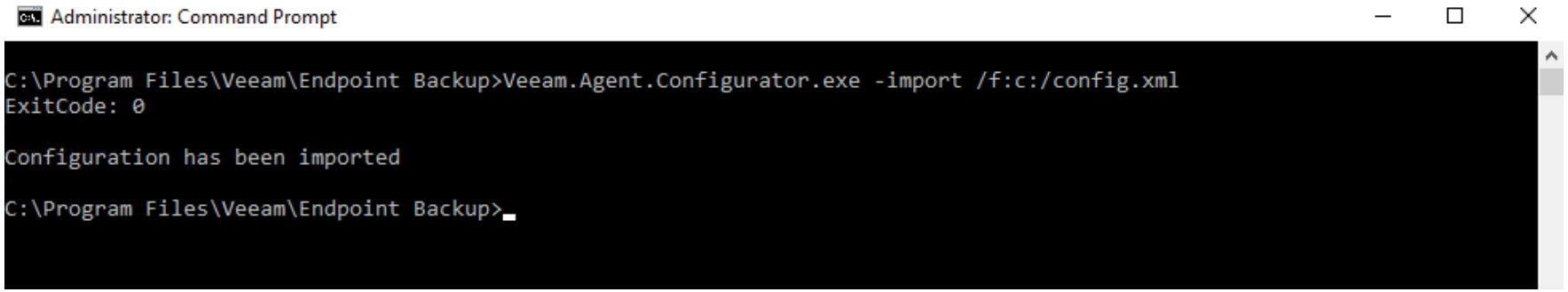
Three key challenges

1. Configuration deployment
2. Customization
3. Integration with anything

Veeam Agent
for Microsoft Windows API



Veeam Agent
for Microsoft Windows API



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Veeam Agent for Microsoft Windows = .ps1

Deploy-VAW.ps1

```
.EXAMPLE
VAWInstall.ps1 -TenantAccount "MyTaccount" -TenantPassword "MyP@ssword" -Configfile "C:\VAW\ExportedConfig.xml"

.NOTES
Version 1.0
Author: Clint Wyckoff @ Veeam
#>

Param (
    [string]$Installer = "\\phx-dc1.phx.aperaturelabs.biz\VAW\2.0.0.677\Source\VeeamAgentWindows_2.0.0.677.exe",
    [string]$LicenseFile = "\\phx-dc1.phx.aperaturelabs.biz\VAW\2.0.0.677\Extras\veeam_agent_windows_trial_10_new.lic",
    [string]$ConfigFile = "\\phx-dc1.phx.aperaturelabs.biz\VAW\2.0.0.677\Extras\Config.xml",
    [string]$TenantAccount = "backup",
    [string]$TenantPassword = "password",
    [string]$VeeamAgentInstallDirectory = "C:\Program Files\Veeam\Endpoint Backup"
)

$VeeamAgentInstallDirectory = $VeeamAgentInstallDirectory -Replace "\\*$"
If ((Test-Path $LicenseFile) -eq $False) {
    Write-Host -ForegroundColor Red "Cannot find the License file at $LicenseFile"
    Exit 1
}
If ((Test-Path $ConfigFile) -eq $False) {
    Write-Host -ForegroundColor Red "Cannot find the Configuration file at $ConfigFile"
    Exit 2
}
If ((Test-Path $Installer) -eq $False) {
    Write-Host -ForegroundColor Red "Cannot find the Installer at $Installer"
    Exit 3
}

Write-Host -ForegroundColor Green "Step #1: Installing Veeam Agent for Windows. Please wait a minute."
$Process = (Split-Path $Installer -leaf) -Replace ".exe$"
Start-Process -FilePath $Installer -Verb runas -ArgumentList "/silent /accepteula"
$counter = 0
Do {
    Start-Sleep -Seconds 2
    If ($counter % 10 -eq 0) {
        Write-Host -ForegroundColor Green "Waiting for installer to complete."
    }
    $counter++;
} While (Get-Process $Process -ErrorAction SilentlyContinue)

Stop-Process -Name "Veeam.EndPoint.Tray" -Force -ErrorAction SilentlyContinue

Write-Host -ForegroundColor Green "Step #2: Applying your License File to the Protected Host"
Set-Location $VeeamAgentInstallDirectory
Start-Process Veeam.Agent.Configurator.exe -ArgumentList "-license /f:'$LicenseFile'"

Write-Host -ForegroundColor Green "Step #3: Applying your Desired Configuration to the Protected Host"
Start-Process Veeam.Agent.Configurator.exe -ArgumentList "-import /f:'$ConfigFile'"

Start-Process "$VeeamAgentInstallDirectory\Veeam.EndPoint.Tray.exe"
```

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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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