



**AVAILABILITY™**  
for the Modern Data Center

# Veeam ONE What's New in v8

## Veeam product suites designed for every business

Veeam Backup & Replication and Veeam ONE are better together. Veeam combines its two marquee solutions to help bridge the availability gap between the requirements of the Always-On Business and IT's ability to effectively deliver availability for businesses of any size.

### Veeam Availability Suite™

combines the industry-leading backup, restore and replication capabilities of Veeam Backup & Replication with Veeam ONE to deliver everything you need to reliably protect and manage your vSphere and Hyper-V environments. Veeam Availability Suite provides the protection and visibility you need to modernize your data center, including high-speed recovery, data loss avoidance, verified protection, leveraged data and complete visibility for any size business.

### Veeam Backup Essentials™

offers the same benefits and features of Veeam Availability Suite specially packaged and priced to offer significant savings for small businesses. Veeam Backup Essentials is designed with ease of use in mind in order to accommodate the needs and budgets of businesses managing virtual environments of 2, 4 or 6 sockets.

Veeam® ONE™ is a powerful monitoring, reporting, and capacity planning tool for VMware vSphere, Microsoft Hyper-V and the Veeam backup infrastructure. It helps enable *Availability for the Modern Data Center™* by providing complete visibility of the IT environment designed to help proactively monitor and alert you to issues before they result in operational impact. Below is a listing of new features introduced with Veeam ONE v8 designed to help manage the needs of the Always-On Business™.

## Advanced capacity planning with “what if” analysis and resource reservation

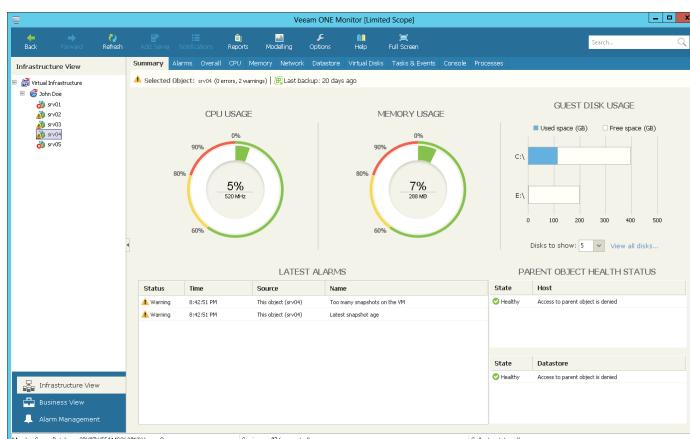
Advanced capacity planning helps you manage multiple deployment projects at the same time giving you the ability to reserve resources, plan hardware upgrades and review resource utilization during possible disaster recovery (DR) situations.

Name	Due Date	State	Creator	Creation Date	Deployment Date
<input type="checkbox"/> Melbourne Office VDI	30.10.2014	Passed	veeam/administrator	10.10.2014	29.10.2014
<input type="checkbox"/> DR Site Infrastructure	01.11.2014	Passed	veeam/administrator	29.10.2014	
<input checked="" type="checkbox"/> Gold Coast Office VDI	15.11.2014	Failed	veeam/administrator	29.10.2014	

Multiple deployment projects

## Multi-tenant reporting and monitoring (VMware only)

Multi-tenant reporting and monitoring offers Veeam ONE users the ability to provide complete infrastructure visibility to tenants by using vCenter Server and vCloud Director granular user permissions. The feature, which is ideal for service providers and enterprise-level businesses, allows you to limit the scope of monitoring and reporting and ultimately delegate self-service responsibilities to individuals managing specific virtual machines (VMs) without ever compromising the security of each user's data. This provides each tenant complete visibility and control of their VMs. Virtual infrastructure admins can build and run commonly used reports in advance, providing their entire user base visibility to key performance indicators and as necessary, build unique data sets for individual users requesting access to additional data.



Multi-tenant reporting and monitoring

## Supported Environments

### VMware infrastructure\*

#### Platforms

- vSphere 6.0
- vSphere 5.x
- vSphere 4.x

#### Hosts

- ESXi 6.0
- ESXi 5.x
- ESX 4.x
- vSphere Hypervisor (free ESXi)

#### Software

- vCenter Server 6.0 (optional)
- vCenter Server 5.x (optional)
- vCenter Server 4.x (optional)
- vCloud Director 5.1, 5.5 (optional)

\*Only English version of VMware infrastructure is supported

### Microsoft infrastructure

#### Platforms

- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2 SP1

#### Hosts

- Windows Server Hyper-V 2012 R2
- Microsoft Hyper-V Server 2012 R2 (free)
- Windows Server Hyper-V 2012
- Microsoft Hyper-V Server 2012 (free)
- Windows Server Hyper-V 2008 R2 SP1
- Microsoft Hyper-V Server 2008 R2 SP1 (free)

#### Software

- Microsoft System Center Virtual Machine Manager 2012 R2 (optional)
- Microsoft System Center Virtual Machine Manager 2012 (optional)
- Microsoft System Center Virtual Machine Manager 2008 R2 SP1 (optional)

### Backup infrastructure

#### Platforms

- Veeam Backup & Replication v8
- Veeam Backup & Replication v7
- Veeam Backup & Replication 6.5 (compatible)

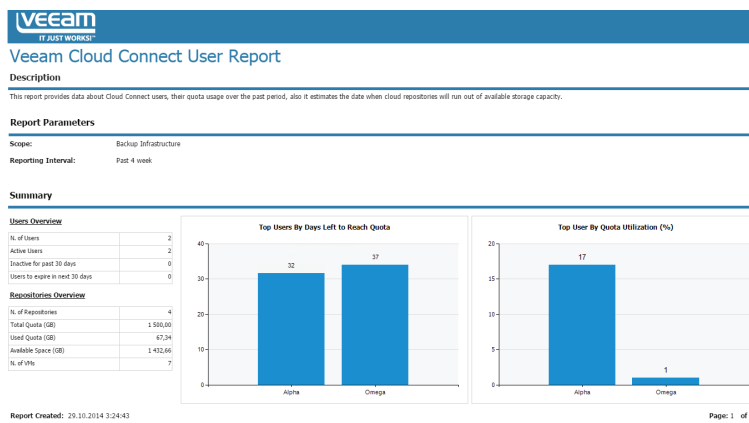
#### Hosts

- Veeam Backup & Replication server
- Veeam Backup Enterprise Manager (optional)

## Veeam Cloud Connect monitoring and reporting

Veeam Cloud Connect monitoring and reporting provides service providers the ability to track usage data on each user. This free feature includes.

- **Predefined alarms:** These alarms notify service providers about user quota lease expiration and free space usage of cloud repositories.
- **Veeam Cloud Connect user report:** This report provides data about Veeam Cloud Connect users, their quota usage over the past period and estimates the date when cloud repositories will run out of available storage capacity.



Veeam Cloud Connect user report

- **Over-provisioned backup repositories:** Helps identify the potential impact of excessive over-provisioning of data stores on your virtual environment.
- **Cloud Connect inventory:** This report provides general inventory information about your Veeam Cloud Connect infrastructure.
- **Cloud gateway summary view:** Veeam ONE Monitor Client provides information on transferred data, user sessions and load on the cloud gateway components.
- **Cloud repositories summary view:** Veeam ONE Monitor Client provides information about cloud repository utilization, number of VMs stored and estimates the date when each user will run out of configured storage quota.

## Enhanced Veeam Backup & Replication Integration Collection engine

A newly updated collection engine is now optimized to work with big data and multiple backup servers.

### Monitoring

- **VM with no backups:** This predefined alarm allows you to set a desired RPO (Recovery Point Objective) for any VM and receive notification if no backups were made in the required interval.
- **Enhanced VM summary view:** The last backup date for every VM has been added to the Veeam ONE Monitor Client summary tab.
- **Tape server support:** Veeam ONE provides the ability to monitor Veeam tape servers and tape libraries connected to these servers including connection state, number of processed VMs, transferred data and daily utilization.
- **New types of repositories support:** New repository types such as EMC Data Domain, Exagrid, and HP StoreOnce are now displayed and monitored in Veeam ONE Monitor Client.
- **New alarms:** Version 8 includes new alarms for tracking the version of Veeam Backup & Replication™ components.

## Reporting

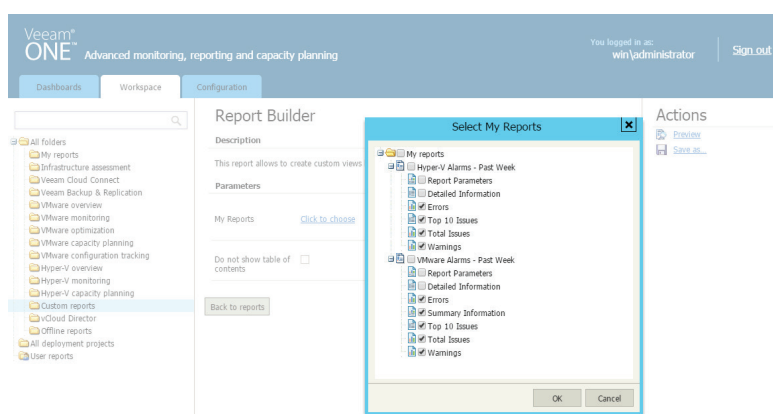
- **Backup infrastructure assessment report:** This report is designed to help you assess your Veeam Backup & Replication configuration and identify potential improvements by taking into consideration all known best backup configuration practices.
- **Job configuration change tracking:** This report provides detailed information on job configuration changes performed within a specific reporting period, including the exact time the configuration change took place and the user account name of the person responsible for the change.
- **SQL backup job historical information:** This report provides a historical overview of all SQL backup jobs, including a list of protected and unprotected databases for each VM.
- **Tape vaults overview:** This report identifies all tape vaults created and lists all tapes stored in each vault.
- **Tape media retention period:** This report lists all tapes registered in the backup console including their configured retention policy and protection status.
- **Delegated restore permissions overview:** This report provides information on the assigned restore permissions for all protected VMs (requires Veeam Enterprise Manager).
- **Orphaned VMs:** This report lists every VM stored in the backup files that do not have a presence in the backup, replication and backup to tape jobs.
- **VM failover plan overview:** This report lists all created failover plans with their configuration and added VMs.
- **Restore operator activity:** Support added for Veeam Explorer™ for Microsoft Active Directory, SQL Server and web restores running through Veeam Enterprise Manager.
- **VMs with no archive copy:** This report highlights all VMs that do not have an archive copy.

## Scalability enhancements

- **Advanced scalability mode:** This mode switches Veeam ONE to high-scale mode, allowing for monitoring of large environments (100+ hosts).

## Reporting

- **Raw data analysis:** This report creates a Microsoft Excel Workbook that can be used for data mining and building custom reports from templates (VMware only).
- **Report builder:** Veeam ONE's new report builder provides users the ability to build custom reports based on existing data tables and charts of predefined report templates.



*Custom report builder*

- **Data store performance assessment:** This report provides information on data store performance identifying potential issues that can occur during the backup process.
- **Host uptime:** This report provides an overview of host uptime, including a list of the hosts with the lowest and highest uptime values.
- **Orphaned VM snapshots:** This report provides information on VM snapshots that are located on the data stores but are not visible to the Snapshot Manager.
- **Extended reporting intervals for cluster widgets:** With version 8, cluster-based performance widgets can now report on monthly and quarterly performance trends.
- **VMs growth report:** Now with version 8, the VM growth reporting interval can be configured based on selected dates.
- **Alarms overview report:** Users can now filter alarms based on their severity.

- **How many VMs can be added:** Version 8 added functionality to account for VM reservations in the report calculation.
- **VM change rate estimation:** With version 8, the reporting interval can now be configured based on selected dates.
- **Latest backup job status:** Version 8 extended the list of available reporting intervals.
- **Host failure modeling:** Version 8 added functionality to select hosts for modeling.
- **Capacity planning:** Version 8 added functionality to select business hours for performance data analysis.
- **Alarms current state overview:** This report shows all currently unresolved alarms for the virtual infrastructure.
- **Report import/export:** Now it is possible for virtual administrators to share reports across multiple installations of Veeam ONE.
- **Report export formats:** When using SSRS, Veeam ONE users now have additional report export formats to utilize.

## Alarms

- **Data store exclusion from host alarms:** New settings allow for the exclusion of specified data stores from host-based alarms.
- **New predefined alarms:** New alarms have been added to Veeam ONE for monitoring free space usage of Hyper-V data stores and bad logon operations to the Hyper-V hosts.
- **New alarm suppress options:** Veeam ONE administrators can now create different daily and weekly suppress periods for all predefined alarms.
- **Guest OS free space alarm:** This alarm can now be triggered with a delay to avoid false notifications during the Veeam Backup & Replication file-level recovery process.
- **Excluded objects overview:** On the Alarm Management tab, Veeam ONE users can now review all objects that have been excluded from alarming.
- **Enhanced alarm notification capabilities:** Version 8 introduces updated email notification logic.

## Other

- **vSAN support:** Veeam ONE now collects performance metrics and configuration data for vSAN data stores that are displayed in the infrastructure tree of the Monitor Client.
- **vSphere Tags support:** vSphere objects such as VMs, hosts, data stores and clusters can now be categorized using Veeam ONE Business View rules and dynamic groups.
- **SNMP v2 support:** Veeam ONE now allows the selection of SNMP v2 as a default protocol for sending SNMP traps.
- **SNMP v3 support:** Veeam ONE now allows the selection of SNMP v3 as a default protocol for sending SNMP traps.
- **Updated UI:** The Veeam ONE user interface has been redesigned and optimized for large-scale infrastructures.



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