Veeam ONE

What's new in v11?

Veeam® ONE™ is Veeam's comprehensive monitoring and analytics solution for backup, virtual and physical environments with extensive support for Veeam Backup & Replication™ workloads, including VMware vSphere, Microsoft Hyper-V and Nutanix AHV Hypervisors, and Microsoft Windows, Linux and Mac physical devices.

Veeam ONE delivers deep, intelligent monitoring, reporting and automation through interactive tools and intelligent learning, identifying and resolving real customer problems before they become major issues. Veeam remains focused on delivering key capabilities that ensure organizations like yours get complete visibility into their backup infrastructure and the operational aspects of their backup and recovery processes.

NEW Veeam ONE v11 expands these capabilities to fulfill these needs by fully embracing the new capabilities seen in Veeam Backup & Replication v11 and enhancing the existing features to deliver more value to your business's data protection strategy than ever before.

Major NEW features

Continuous Data Protection (CDP) monitoring and reporting

NEW Veeam ONE v11 keeps adding significant value to Veeam Availability Suite™ by providing deep visibility for the most recent addition to the list of next-gen Veeam technologies. The unique benefits of CDP support include:

- **Monitoring and alerting:** Catch any issue affecting the processing of your mission-critical workloads by CDP policies at the speed of light and precisely control the workloads' protection state by analyzing monitoring data and alerts.

- **Reporting:** Now, Veeam ONE users can easily ensure compliance with the desired SLAs and quickly determine the root causes of SLA drops by analyzing each processed VM's last 100 issues. Moreover, the new version delivers predefined reports for simple reporting scenarios, such as auditing and compliance, in addition to the ability to create custom reports.

Veeam Backup & Replication and Veeam ONE together deliver an enterprise solution for backup, recovery and monitoring
Veeam combines these two marquee solutions into cost-effective, value-added suites to enable businesses to protect, manage and monitor their entire IT environment, including virtual, physical and cloud-based workloads.

Veeam Availability Suite combines the industry-leading backup, restore and replication capabilities of Veeam Backup & Replication with the advanced monitoring and analytics of Veeam ONE. This comprehensive suite empowers organizations with advanced capabilities and powerful tools to achieve their goal of 100% data protection with reduced data loss and downtime.

For small business, **Veeam Backup Essentials™** delivers the same enterprise-level functionality as Veeam Availability Suite, but packaged and priced for the needs of small businesses that are typically less than 250 employees.

Supported environments
For a detailed list of supported environments, please see our detailed release notes.

Veeam Agent *for Mac* support

Veeam ONE v11 provides NEW support for Mac systems delivering integrated monitoring and reporting capabilities with Veeam Agent *for Mac* to make sure each Mac workload can be effectively protected by Veeam, regardless of the operating system. The unique benefits of Veeam Agent *for Mac* support include:

- **Monitoring and alerting:** With this release, Veeam ONE users can control the macOS machines' protection state, identify machines with no backups and quickly detect suspicious activity potentially affecting the macOS machine, and thus, the whole environment.

- **Reporting:** Starting from v11, Veeam ONE users can identify which macOS machines are protected on time, which are not and if the RPO requirements are met. Additionally, Veeam ONE users can analyze the protection history of macOS machines and catch machines that do not comply with the 3-2-1 Rule.

New user interface

Version 11 provides a seamless user experience with enhanced flexibility, performance and security.

- **New Veeam ONE Web Client:** Ease of use, simplified navigation, one-click access to deployment projects and product configuration, as well as extended customization options — these are just a few notable features to highlight — go ahead and give it a try!

- **Enhanced Veeam ONE Client:** The new Veeam ONE Client has been redesigned and enhanced to simplify daily operations.

Enhanced Veeam Backup & Replication support

In addition to the major enhancements, Veeam ONE v11 introduces extended support for Veeam Backup & Replication v11, providing support for new and existing backup and recovery capabilities.

VMware Cloud Director (vCD) replication support

- **Monitoring and alerting:** Starting with v11, monitoring teams of service providers can track the vApp replication process between VDCs and be automatically notified about replication job failures, vApps not being protected, and jobs exceeding allowed and usual execution windows, as well as see if unplanned restore activities are performed with the distributed virtualized applications of their customers.

- **Reporting:** Service providers can determine what vApps and underlying VMs do not meet a desired RPO, audit vCD protection jobs and determine root causes of failures. They can also automate the billing process and assess what issues happened with the replication environment. Additionally, Veeam ONE widgets now provide an at-a-glance view of the vApp replication process.

Veeam Agents managed by Veeam Backup & Replication support enhancements

- **Database log backup alerting:** Version 11 allows operations and database administration teams to stay updated on Microsoft SQL and Oracle databases' protection status.

- **Database log backup reporting:** Monitoring teams can now automate Microsoft SQL and Oracle database log backup reporting tasks and simplify auditing and compliance with backup policies.

- **Job settings reporting and change auditing:** Backup administrators can report on Veeam Agent job configuration settings and track job configuration changes.

- **GFS backup files report enhancements:** Version 11 enables backup administrators to report on GFS backup files created by Veeam Agents to ensure compliance and auditing requirements are met.

- **Backup files growth report enhancements:** Version 11 makes it easier for organizations to predict backup storage usage, and thus, better plan costs by analyzing Veeam Agent backup data growth.

- **Predefined Business View category for physical machines:** Now Veeam ONE users can leverage the out-of-the-box Business View groups for Veeam Agents. Moreover, the new category views allow getting all the most critical information on Veeam Agents and protected physical machines in just a few clicks.

- **Visibility into physical machine backups stored on a repository:** Now monitoring teams and backup administrators have an at-a-glance view at Veeam Agent backups stored on a repository — right within repository views in Veeam ONE Client.

- **Visibility for Veeam Agent versions:** Now backup administrators can see what Veeam Agent versions are distributed across the environment by analyzing Business View groups and generating backup infrastructure custom data reports to simplify inventory management and upgrades planning.

Object storage support enhancements

- **Archive Tier support:** Backup administrators can now see all the configurational information on the Archive Tier of Scale-out Backup Repositories™, including the immutability state. Additionally, they can track the space consumption right within Veeam ONE Client and generate reports with this information.

- **Enhanced Capacity Tier support:** Now backup administrators can spend less time assessing the Capacity Tier's configuration, track the immutability state and automate reporting on this data. Additionally, v11 added support for Google Cloud Storage, expanding the cloud platform coverage.

- **Support for Google Cloud Storage external repositories:** Now backup administrators have visibility into the Google Cloud Storage repositories connected to Veeam Backup & Replication that store valuable workload data protected by Veeam Cloud Backup products.

Scale-out Backup Repository enhancements

- **Scale-out Backup Repository summary enhancements:** It's easier for backup administrators to assess the configuration of multiple Scale-out Backup Repositories right within UI by comparing updated summary views on the inventory pane. Additionally, now it's possible to differentiate VM, physical machine and file share types of data stored on a Scale-out Backup Repository and Scale-out Backup Repository performance extents to simplify data management activities and identify what kind of data consumes a significant piece of the repository capacity.

- **Scale-out Backup Repository configuration report enhancements:** The summary structure has been changed to increase clarity and minimize the amount of time required for backup administrators to evaluate the provided data. Additionally, this report now fully covers all three Scale-out Backup Repository tiers, allowing organizations a granular view of configurational and resource aspects of Scale-out Backup Repositories.

UI

- **Visibility for Veeam Backup *for Nutanix AHV* snapshot-only jobs:** Monitoring teams can now monitor the state of Nutanix AHV snapshot-only jobs, similar to the other job types.

- **Visibility for Veeam Backup & Replication server patch levels:** Backup administrators can now see what cumulative patches are applied to Veeam Backup & Replication servers protecting the environment by analyzing backup server nodes on the inventory pane to better plan updates and upgrades.

- **Enhanced VM protection status:** Veeam ONE users can now clearly see their VM's protection state right within the infrastructure, vCD and Business Views, regardless of the Veeam data protection technology used — be it CDP, vCD backup, vCD replication or any other.

- **Enhanced tape server summary tab:** Monitoring engineers can now assess how much a particular tape server has processed file share and agent data.

Alarms

- **Computers with no backup:** With v11, backup operations teams can identify computers having no available restore points within the desired period, regardless of whether it's a newly setup laptop or an operating production server, to start protecting them with Veeam Backup & Replication immediately.

- **Unusual job duration:** Monitoring engineers can now identify jobs staying in the active state for a suspiciously longer time than usual. Compared with the max-allowed job duration alarm, the newly added one uses a relative algorithm and relies on the existing job sessions.

- **Backup repository ReFS data integrity issue:** Storage system administrators can now detect data integrity issues affecting ReFS-formatted backup repositories to prevent potential issues with the data stored on these repositories.

- **Plug-in backup data collection failure enhancements:** Users can now track the connection between Veeam ONE, Veeam Backup & Replication and backup appliances of Veeam Backup *for Nutanix AHV*, Veeam Backup *for Microsoft Azure* and Veeam Backup *for AWS*.

- **Database log backup job state enhancements:** Version 11 enhances the database log backup job failure detection logic, making sure monitoring engineers get accurate and timely notifications about state changes of database log backup jobs.

- **Suspicious incremental backup size alarm enhancements:** With v11 monitoring, engineers can now quickly identify machines and the restore points which caused the alarm to trigger, adjust the alarm to track only specific jobs and suppress the alarm if the reason for the trigger was a modification of the list of machines added to the job.

- **Job state alarms enhancements:** Monitoring engineers will now only receive alarms if a job has failed to perform a data protection activity within all configured job retry attempts, minimizing the amount of unnecessary alarm noise.

- **Veeam Backup & Replication license compatibility alarm enhancement:** Version 11 allows backup administrators to quickly identify what exact backup servers are experiencing license compatibility issues.

Reports

- **New report bundle — Starter Kit:** Meet the new report bundle that allows organizations running Veeam ONE to access the most popular core Veeam Backup & Replication reports. With Veeam ONE v11, you are prepared for a perfect launch!

- **Database protection history reporting enhancements:** Users can now report on protected Oracle databases, including the database log backups created by Veeam Agents. Also, now Veeam ONE gives the ability to assess historical information on the database log backup state of individual databases. Finally, it's possible to see what corresponding backup copy jobs are transferring database log data, ensuring this is aligned with the operational backup workflow.

- **Backup infrastructure custom data report enhancements:** Version 11 extends the custom report's flexibility by allowing backup administrators to view backup job descriptions, infrastructure objects excluded from Business View groups, vSphere Tags and backup job source types. Additionally, the report allows reporting on versions of Veeam Agents.

- **Tenant compatibility report enhancements:** With v11, service providers can assess tenant backup servers' compatibility with service provider infrastructure by analyzing and comparing server versions and build numbers.

- **Protected VMs report enhancements:** The summary section has been redesigned, allowing backup administrators and application owners simplified access to the high-level data.

- **VM and computer protection history report enhancements:** Backup administrators now have more ways to configure the reporting options granularly, report on database log backup jobs, and backup copy jobs running in the immediate copy mode.

- **Job history report enhancements:** Backup administrators can now identify Veeam deduplication and compression's effectiveness by analyzing the read and transferred data amounts. Additionally, NEW Veeam ONE v11 allows controlling the report's output data in several ways, making it easier to analyze the results.

- **Backup inventory and Cloud Connect inventory reports enhancements:** Version 11 allows users to have visibility into the protected file shares and corresponding file share backup jobs.

- **Backup inventory report enhancements:** Backup administrators can now identify backup servers with outdated versions. Additionally, it's possible to identify whether a high bandwidth mode of WAN Accelerators is enabled or not to ensure configurational consistency across the environment.

- **Backup billing report enhancements:** Service providers now have a wider range of customization options when creating invoices.

- **Backup alarms overview report enhancements:** With v11, monitoring engineers can see what alarms have been acknowledged to better manage response activities.
- **Backup copy job report enhancement:** Users now have greater flexibility when selecting reporting periods, thus they can precisely adjust the report and report delivery schedule to their needs.
- **Backups on tape report enhancement:** Backup administrators can now easily differentiate empty tapes from tapes with data and make better operational and strategic decisions.
- **Protected VMs reports enhancement:** Users who recently installed Veeam ONE v11 can now run Protected VMs reports with no need to adjust the default RPO value to identify workloads that backups have dropped outside of the 24-hour RPO.
- **Restore operator activity report enhancement:** Auditing teams can now simplify the analysis of the restore activities by grouping the report output in several ways.

Licensing

Subscription license: Customers using Veeam Backup & Replication with Perpetual Socket-based licenses can now monitor and report on their environments using Veeam ONE with a Subscription license installed.

Other enhancements

In addition to the enhancements specific to Veeam Backup & Replication and other Veeam backup offerings, Veeam ONE v11 includes many other capabilities and features, including:

Platform support

- **VMware vSphere 7 Update 1 support:** Organizations can now monitor and report on VMware vSphere 7 Update 1 infrastructures.
- **VMware Cloud Director 10.2 support:** Service providers can now perform monitoring and reporting tasks on VMware Cloud Director 10.2 infrastructures.
- **Microsoft Windows 10 version 20H2 and Microsoft Windows Server version 20H2 support:** Customers can now be sure that Microsoft Hyper-V Servers and VMs using the latest Microsoft operating system versions can be monitored by Veeam ONE, while also being confident about installing Veeam ONE components on these latest operating system versions.

RESTful APIs

- **License information:** Service providers can utilize Veeam ONE RESTful APIs to retrieve license usage information.
- **License management:** Administrators can now automate installing, removing and updating Veeam ONE licenses using RESTful APIs.
- **Usage reporting:** Service providers can now automate the process of obtaining information on license consumption.

UI

- **Enhanced credentials management:** Now monitoring engineers responsible for configuring the initial Veeam ONE integration with hypervisors and Veeam Backup & Replication can spend less time on their tasks by utilizing an ability to propagate credentials to child objects within a container. Moreover, credentials can now be set on any layer of infrastructure.
- **Enhanced Microsoft Hyper-V VM memory type representation in VM summary:** Hypervisor administrators can now differentiate the memory types configured for a Microsoft Hyper-V VM and see all the details on the dynamic memory consumption.
- **Enhanced license usage views:** Service providers and tenants can now clearly identify the number of workloads consuming licenses to simplify license management activities.
- **Enhanced alarm history:** Monitoring engineers can now identify child objects that caused the alarm to trigger, when this happened and why.

Alarms

Multiple improvements in alarm names and knowledge-base articles: Now, monitoring engineers can spend less time identifying an appropriate way to handle an alarm.

Notifications

Enhanced email notifications: Email notifications are now easier to read and have more clarity, decreasing the time required to catch the needed data.

Reports

VM configuration chargeback and Host configuration chargeback reports enhancement: Organizations can now calculate VM and host costs based on the used space in addition to the provisioned space.

- **Uptime reports enhancement:** Version 11 allows hypervisor administrators to analyze the virtual infrastructure objects and components' availability during specific business hours.

- **License usage report enhancement:** With v11, service providers and tenants can identify the total number of protected workloads to simplify license management and usage reporting activities.

- **Removal of the "Session" parameter in multiple hypervisor reports:** Hypervisor administrators now can generate and schedule reports representing the latest state of the environment and do not need to rely on the data collection sessions.

Database

Enhanced support for Microsoft SQL Server Failover Cluster: Users can now install and run the Veeam ONE database on Microsoft SQL Server Failover Clusters, including Microsoft SQL Server Multi-Subnet Failover Clusters.

Setup

- **Simplified SSH connections to the VMs:** Putty client is now a part of the installation bundle, so Veeam ONE users do not need to install it separately to link SSH connections to the VMs. At the same time, the installed client can be updated manually or reinstalled in favor of enhanced security.

- **Enhanced security during remote console connections to the vSphere VMs:** With v11, users are free to choose what VMware Remote Console version they would like to use when connecting to the secure environments and install it manually.

Data collection

- **Performance enhancements in backup data collection, product UI and backup reports:** Users can now monitor and report on a larger number of objects while keeping the product performance on the top level.

- **Veeam Backup *for Nutanix AHV* data collection enhancements:** Veeam ONE users will now notice an increased performance when monitoring Nutanix AHV environments.

Other

Support for flex allocation model of VMware Cloud Director: In v11, service providers' hypervisor administrators can identify what allocation model is configured in their virtual data centers running on VMware Cloud Director v9.7 and later — right within product UI and corresponding reports.

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