VEEAM

VMware and Veeam

Availability and risk avoidance from the leaders in virtualization

Business challenges

The data center is changing. The shift to modernizing your data center does not change the desire of your enterprise, regardless of its size, to enable a fully automated, zero-downtime infrastructure for any application or hardware, now and in the future. The change is all about service agility and driving down cost. In short, it is about maximizing data center ROI. However, with this shift, data centers are becoming more difficult to manage and protect as more data and applications are moved into virtual software-defined environments.

Modernizing the data center needs to extend to the data protection solutions leveraged by the business. Combining Veeam® and VMware provides the only modern data protection and Availability solution designed to enable your enterprises of all sizes the ability to unlock value for their business.

Solution overview

As businesses strategize to create a software-defined data center (SDDC), many are adopting VMware-based solutions to take advantage of the integration and support provided by their existing investments in VMware SDDC technologies.

VMware vSphere, the most trusted virtualization platform, empowers users to virtualize scale-up and scale-out applications with confidence, redefine Availability and simplify the virtual data center.

Upgrading to VMware vSphere with Operations Management (vSOM) provides insight and predictive analysis for your VMware infrastructure. It takes vCenter Server monitoring capabilities further by proactively identifying and remediating emerging performance issues, optimizing resource utilization through a unified console.

Adding Veeam Backup & Replication™ provides fast, flexible and reliable recovery of virtualized applications and data, bringing VM backup and replication together in a single software solution. Veeam Backup & Replication provides full support of VMware vSphere 6.5 including Storage Policy-Based Management (SPBM), vSAN 6.6, VMFS6, VVols 2.0 and more.

At a glance

Veeam Backup & Replication provides full support for VMware vSphere 6.5, enabling faster backups through smart logic that reduces network traffic and enables backup and restore for the storage policy associated with the VM.

Key benefits

- Leverage Veeam's industry-leading backup, restore and replication capabilities with the hyper-converged, flash-optimized storage architecture of VMware vSAN

- Storage Policy-Based Management (SPBM) backup and restore saves time during recovery and maintains the associated storage policy even if a VM is restored to a different datastore on dissimilar storage

- Takes virtualization to the next level with intelligent operations management — providing you better insights, improved performance and increased Availability

Business benefits

- Restore entire VMs, individual files and application items in minutes

- Reduce storage and bandwidth consumption with built-in deduplication for faster ROI

- Built-in, end-to-end AES 256-bit encryption secures backup files and data at the source during backups in flight and at rest

vmware®

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Veeam + VMware vSphere with Operations Management

Built specifically for virtual environments, Veeam Backup & Replication operates at the virtualization layer and uses an image-based approach for VM backup. To retrieve VM data, no agent software needs to be installed inside the guest OS. Instead, Veeam Availability Suite™ leverages ESXi snapshot capabilities to create a compressed, deduplicated backup file. All backup files created by a job reside in a dedicated job folder on a backup repository. The flexibility in placement of the backup repository makes maintaining backups simple and affordable.

VMware vSphere with Operations Management with Veeam Backup & Replication create a platform designed to identify and remediate emerging system issues, optimize infrastructure capacity and maintain Availability requirements facing the Always-On Enterprise™. Together, Veeam and VMware:

- Optimize IT resources by reclaiming overprovisioned capacity, increasing resource utilization and eliminating the need for scripts and spreadsheets

- Identify and remediate emerging system issues to determine what is driving current and future performance issues

- Provide predictive analytics and smart alerts for proactive identification and remediation of system issues

Veeam's unified console ensures Availability for your entire virtual infrastructure with industry-leading features such as:

- Instant VM Recovery®

- Granular, application-item recovery with Veeam Explorers™

- Replicating a backup image of a VM

- New features that further leverage IT investments in modern storage and the cloud