

VMware and Veeam

Availability and risk avoidance for the Software-Defined Data Center

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

The Software-Defined Data Center (SDDC) foundation extends VMware's industry-leading vSphere virtualization beyond compute to network and storage, making data center services as easy and inexpensive to configure and manage as virtual machines (VMs). Applications and services can be provisioned and run on both on-premises private clouds and secure Infrastructure as a Service (IaaS) platforms. Data center management software lets you centrally monitor and administer all applications across physical geographies, heterogeneous infrastructure and hybrid clouds.

Veeam Backup & Replication™ leverages virtualization, modern storage and cloud technologies to extend #1 Availability for virtual, physical and cloud environments. As a VMware-ready solution and strong ecosystem partner, Veeam works together with VMware to innovate, design and optimize solutions specifically for the VMware platform to protect virtualized workloads for the Hyper-Available enterprise.

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 Software-Defined Data Center

The Software-Defined Data Center consists of an infrastructure virtualized beyond compute to network and storage. Here, applications and services are placed on-premises, off-premises or in the cloud based on economics. Policy-driven technology and analytics dictate how workflows and workloads are moved and directed to where they best serve the business.

Virtualization is the enabling technology for the Software-Defined Data Center. VMware vSphere extends virtualization to storage and network services and adds automated, policy-based provisioning and management. VMware's network virtualization platform, NSX, allocates network and security services to each VM according to its needs. VMware Software-Defined Storage (SDS) leverages the data plane for storing data and applying data services (e.g. snapshots, replication, caching), and abstracts or virtualizes physical hardware resources, aggregating them into logical pools of capacity.



How Veeam extends value to VMware SDDC solutions

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.

Veeam solutions leverage virtualization, modern storage and cloud technologies to extend #1 Availability for virtual, physical and cloud environments. As a VMware-ready solution and strong ecosystem partner, Veeam works together with VMware to innovate, design and optimize solutions specifically for the VMware platform to protect virtualized workloads wherever they reside. Together, Veeam and VMware save you time and money while reducing risk – unlocking value for your business and enabling enterprises of all size to achieve 24.7.365 Availability.

Veeam Backup & Replication provides full support of VMware vSphere 6.5, allowing you to leverage your existing investments in VMware SDDC Foundation technologies to deploy a more integrated, highly efficient and cost-effective Availability solution.