VMware and Veeam
Availability and risk avoidance
for the Software-Defined Data Center

> "As our customers accelerate growth, their IT organizations are expected to drive transformation, enhance efficiency and bring more value to the business than ever before. We are helping them achieve these goals through continued innovation in VMware vSphere as the platform for their hybrid cloud strategy."
>
> **Ben Fathi, Chief Technology Officer,**
> **VMware**

> "Veeam Backup & Replication is fantastic. It always works, is easy to use and makes the IT team look like heroes when we restore files or even entire virtual machines quickly and easily."
>
> **Brook Papworth**
> **Senior IT Officer**
> **City of Rockinham**

> "Veeam is easily the best backup solution I've ever used."
>
> **Iain Gardiner Systems and Database**
> **Administrator Wingecarribee Shire Council**

In today's interconnected and global business environment, customers, partners, suppliers and employees expect access to information and applications at any time and from any device, with no tolerance for downtime or data loss. IT organizations must therefore make data and applications available to all stakeholders every minute of every day. This is the era of the Always-On Business™.

Achieving non-stop service and availability has traditionally required a significant investment in fully redundant systems with failover capabilities. To overcome that budgetary constraint, many organizations settle for legacy hardware or tools that end up costing even more when they fail to provide the information required to avoid an outage, and then take too long to recover if that outage does occur.

VMware® Software-Defined Data Center architecture extends 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. 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, storage, and cloud technologies to provide *Availability for the Modern Data Center*™ and deliver recovery time and point objectives (RTPO™) of < 15 minutes for all applications. Veeam Backup & Replication provides fast, flexible, and reliable recovery of virtualized applications and data.

Together, VMware and Veeam create a platform designed to identify and remediate emerging system issues, optimize infrastructure capacity, and maintain the availability requirements facing the Always-On Business.

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.

About Veeam

[Veeam](#)® enables the Always-On Business™ by providing solutions that deliver *Availability for the Modern Data Center*™. Veeam recognizes the challenges in keeping a business up and running at all times and addresses them with solutions that provide high-speed recovery, data loss avoidance, verified protection, leveraged data and complete visibility. More than 157,000 customers worldwide, including 70% of the Fortune 500, count on Veeam to protect 9.1+ million VMs.

Veeam Backup & Replication

Veeam leverages the capabilities of the modern data center—including virtualization, new storage integration and cloud capabilities to provide key enabling capabilities that deliver *Availability for the Modern Data Center*™. Veeam Backup & Replication is much more than backup—it provides fast, flexible, and reliable recovery of virtualized applications and data. Veeam brings backup and replication together in a single solution to deliver award-winning support for VMware vSphere virtual environments. Veeam Backup & Replication provides full support for VMware vSphere 6 including VVOLs, VSAN 2.0, Storage Policy-Based Management (SPBM) backup and restore, vSphere 6 tag integration, backup and replication of fault tolerant VMs, and more.

Consolidate resources, run critical applications and respond faster to business needs	Forecast and avoid outages before they have business impact	Bounce back from any outage before the business can be impacted further
Deliver application availability and performance: Provide availability services and policies with simplicity and flexibility for any application, from legacy to next-gen applications	Identify and remediate emerging system issues: Comprehensively determine what is driving current and future performance issues. Predictive analytics and smart alerts on virtualized IT health enable proactive identification and remediation of system issues, while dynamic thresholds automatically adapt to environments to provide fewer and more specific alerts. Optimize infrastructure capacity: Easily manage and optimize capacity planning, reclaim overprovisioned capacity, increase resource utilization, and eliminate the need for scripts and spreadsheets.	**High-Speed Recovery**: Rapid recovery of what you want, the way you want it • 96% of Veeam recoveries are within RTO SLAs, compared to 78% for other solutions[*] **Data Loss Avoidance**: Near-continuous data protection and streamlined disaster recovery • 83% of Veeam customers are more confident in their current backup compared to previous solutions[*] **Verified Protection**: Guaranteed recovery of every file, application or virtual server, every time • 71% of Veeam customers report improved reliability of backups compared to other solutions[*] **Leveraged Data**: Using backup data to create an exact copy of your production environment • 84% of Veeam Virtual Lab users save time by avoiding deployment problems[*]

* ESG white paper: [Five considerations for increasing the Availability of the Always-on Business](#), May, 2014

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