Veeam Availability Solution with Cisco UCS

The data availability challenge

Organizations are modernizing their data centers so that they can provision IT services faster, strengthen security and control, and lower operating costs. While building modern data centers, they invest in server virtualization, modern storage applications, and cloud-based services. However, businesses are facing new demands from end users, including access to data and applications at all times with no downtime or data loss. In addition, they are facing exponential data growth. For many organizations, there is a gap: between the requirements of the business and IT's ability to effectively deliver availability. Organizations bridge this gap with a new kind of solution — one that delivers a recovery time objective (RTO) and recovery point objective (RPO) of less than 15 minutes for all applications and data.

The Solution: Veeam Availability Solution for Cisco UCS

Veeam and Cisco have collaborated to offer an integrated and pre-configured data availability solution based on Cisco UCS and Veeam technology. The Veeam Availability Solution for Cisco UCS comes ready for deployment, and is verified jointly by Veeam and Cisco.

The Veeam Availability Solution with Cisco UCS offers:

- Data availability — instant VM recovery and file-level recovery.
- Verified protection — automatically verifies the recoverability of every backup and replica.
- Two-in-one backup and replication — provides near-continuous data protection for every virtualized application.
- Rapid restores for critical applications like Microsoft Exchange, SharePoint, SQL Server, and Oracle databases.
- Scalable and flexible — Ready to deploy and scales easily over 2PB and thousands of VMs.

The Veeam Availability Solution for Cisco UCS is a solution that is simple to purchase, deploy, and manage. It is ideal for midsize, large, remote office/branch office (ROBO) customers and service providers.

The Veeam Availability Solution for Cisco UCS leverages Cisco UCS C240 or S3260 storage servers and Veeam Availability Suite to deliver high-speed recovery, data loss avoidance, and verified protection with complete visibility for applications requiring high availability and scalability.

"TMA's vision is to improve the health of all Texans, so we use the time and money saved by Veeam and the S3260 to concentrate on ways technology can support our public health priorities, including reduced tobacco use, environmental hazards, obesity and mental health and substance use disorders," Haley said.

Aaron Haley
Network Operations Director
Texas Medical Association

Read the case study

"Veeam consistently pushes the envelope in bringing sophisticated backup and disaster recovery functionality to enterprises and cloud providers."

Justin Giardina
CTO
iland

CISCO

Drive Size	4TB	6TB	12TB	14TB	16TB
OS Drives	2x 400GB SAS SSD	2x 400GB SAS SSD	2x 480 GB Boot SSD	2x 480 GB Boot SSD	2x 480 GB Boot SSD
Raw Capacity	48 TB	72 TB	168–672 TB	196–784 TB	224–896 TB
Minimum Usable Capacity **	36 TB*	54 TB*	132–528 TB*	154–616 TB*	176–704 TB*
Storage	12 x 4-TB SAS 7200-rpm drives	12 x 6-TB SAS 7200-rpm drives	14x–56x (12TB SAS 7200-rpm drives)	14x–56x (14TB SAS 7200-rpm drives)	14x–56x (16TB SAS 7200-rpm drives)
Servers	1 Cisco UCS C240 M5 (LFF)	1 Cisco UCS C240 M5 (LFF)	1 Cisco UCS S3260	1 Cisco UCS S3260	1 Cisco UCS S3260
CPU	2x Intel Xeon Silver processor 4214R (12 cores, 2.4 GHz, 100W)	2x Intel Xeon Silver processor 4214R (12 cores, 2.4 GHz, 100W)	2x Intel Xeon Gold 6240 processor (18 cores, 2.60 GHz, 150W)	2x Intel Xeon Gold 6240 processor (18 cores, 2.60 GHz, 150W)	2x Intel Xeon Gold 6240 processor (18 cores, 2.60 GHz, 150W)
Memory	128GB	128GB	384 GB	384 GB	384 GB
RAID Cache	2 GB	2 GB	4 GB x2	4 GB x2	4 GB x2
RAID	RAID 6	RAID 6	RAID 60	RAID 60	RAID 60

Storage efficiencies via Veeam Compression and Deduplication technologies can result in 50% or higher reduction in space utilization. Backup repositories on ReFS 3.0 volumes will also benefit from integration with the Block Clone API, reducing synthetic full creation time and dramatically reducing space consumption for the synthetic full. Overall space savings will vary depending on the environment.

** Usable capacity based on recommended RAID configurations.

Summary

The Veeam Availability Solution for Cisco UCS is a best-of-breed solution that is the perfect answer for customers requiring an advanced, enterprise-class data availability solution for their virtual environments that is simple to order, deploy and manage and can easily expand over time as the need increases.

It provides fast, flexible and reliable recovery of applications and data bringing backup and replication together in a single solution with award-winning support.

Learn more:

Veeam Product Overview
Cisco and Veeam Availability solutions

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www.veeam.com

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