



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Veeam Backup & Replication v12: Configure, Manage and Recover

CODE:	LENGTH:	PRICE:
VEE_VMCE12	24 Hours (3 days)	£1,995.00

Description

The Veeam® Backup & Replication™ v12: Configure, Manage and Recover training course is a three-day technical course focused on teaching IT professionals the skills to configure, manage and support a Veeam Backup & Replication v12 solution.

With extensive hands-on labs, the class enables administrators and engineers to effectively protect and manage data in an ever-changing technical and business environment, bringing tangible benefit to business in the digital world.

This course is based on Veeam Backup & Replication v12, part of Veeam Data Platform.

Objectives

After completing this course, attendees should be able to:

- Describe Veeam security concepts

- Given a scenario, configure a backup job and a backup copy job
- Explain network-attached storage (NAS) backups and configuration
- Describe Veeam's replication capabilities
- Determine appropriate use case for backups, replicas and/or continuous data protection
- Configure backup infrastructure components, including proxy and repository servers
- Given a scenario, evaluate when and how to apply immutability settings
- Given a scenario, recover data from backups

Audience

This course is suitable for anyone responsible for configuring, managing or supporting a Veeam Backup & Replication v12 environment.

Prerequisites

Students should have fundamental IT experience working with networking, servers, storage, cloud, virtualization and operating systems.

It is essential that all delegates have a good grounding of the core fundamental concepts of Veeam Backup & Replication through learning and hands on experience before taking this course. Veeam Partners are advised to access the VeeamIQ resources to review all materials relating to Veeam Backup & Replication prior to training. VeeamIQ resources are accessed via the standard Veeam website login as below..

[Veeam Website](#)

Programme

What can be protected? • Review of Veeam Data Platform and introduction to the class scenario. **Secure your backup server**

- Describe strategies and tools to secure the Veeam backup server to avoid unauthorized access and data leaks.

Application consistency with secure authentication

- Achieve application-consistent backups of virtual machines while maintaining operating system secure authentication.

Protecting workloads

- Efficiently protect VMware and Hyper-V virtual machines based on well-defined SLAs through the creation of backup jobs.

Deploying agents

- Identify the use of protection groups to automate the installation of Veeam Agents and protecting workloads with agent backup jobs.

Protecting NAS • List required components and features available to protect NAS solutions. **Optimizing your backups**

- Analyze features and settings that allow backup storage optimization, faster backups and data consistency. **Immutability**
- Describe backup data protection mechanisms to avoid premature deletion and unwanted modifications.

Linux Hardened Repository

- Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.

Object storage repositories

- Describe use cases, advantages and considerations to implement object storage solutions as Veeam backup repositories.

Backup infrastructure optimization

- List deployment options and additional settings to improve general backup solution performance. **Replication**
- Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.

Backup copy jobs • Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs. Long-term retention

- List different mechanisms for data archiving, including grandfather-father-son retention policies. **Scale-out Backup Repository™**
- Describe architecture, placement policies, data tiers and management of Scale-out Backup Repositories (SOBRs).

Move and copy backups with VeeamMover • Identify use cases for virtual machine and backup migrations with VeeamMover.

Recovery verification • Create automated tests to ensure recoverability from backups and replicas.

Veeam Backup Enterprise Manager • Describe the use cases for Veeam Backup Enterprise Manager.

Recovery scenario — Virtual machine failure • Choose from different methods to recover a virtual machine from the backup.

Recovery scenario — Ransomware attack

- Securely restore a server after a ransomware incident with malware scanning of volumes directly from the backup and as part of the restore process.

Recovery scenario — Agent recovery • Explore available options to restore data from agent backups.

Recovery scenario — Explorer recovery

- Use Veeam Explorers™ to recover application items directly from image-level backups.

Recovery scenario — Guest file recovery

- Restore guest operating system files directly from image-level backups and from diverse guest file systems.

Recovery scenario — Recovery from replica

- Describe virtual machine states available when recovering a virtual machine from its replica and mechanisms to avoid data loss and interdependent services recovery.

Recovery scenario — Instant NAS recovery

- List steps and considerations to instantly recover an entire file share from its backup.

Test and Certification

Completion of this course satisfies the prerequisite for taking Veeam Certified Engineer (VMCE™) v12 exam.

Session Dates

On request. Please [Contact Us](#)

Additional Information

This training is also available as onsite training. [Please contact us to find out more.](#)