Veeam Backup & Replication: Configure, Manage, and Recover v13.1

Course code: VEE-VMCE

The Veeam® Backup & Replication™ v13.1: Configure, Manage and Recover training course is a fourday technical course focused on teaching IT professionals the skills to configure, manage and support a Veeam Backup & Replication v13.1 solution. With extensive hands-on labs, the class promotes situational resiliency in responding to recovery scenarios and 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 v13.1, part of Veeam Data Platform.

Who is the course for

This course is suitable for anyone responsible for configuring, managing, or supporting a Veeam Backup &Replication v13.1 environment. It is also ideal for IT professionals across various roles, including backup administrators, disaster recovery specialists, system engineers, technical support staff, IT administrators, cloud administrators, cybersecurity professionals, compliance officers, monitoring specialists, reporting analysts, and security teams — reflecting the broad applicability of Veeam University PRO trainings.

What we teach you

After completing this course, students will be able to:

- Articulate Veeam's data protection strategy
- Explain the role of each of Veeam's core components
- Configure and manage the Veeam Software Appliance
- Given a scenario, configure a backup job and backup copy job
- Protect physical servers with Veeam agents
- Configure unstructured data backup jobs (NAS/SMB shares, etc)
- Describe Veeam's replication capabilities
- Determine appropriate use case for backups, replicas and continuous data protection
- Ensure backup recoverability by leveraging SureBackup and immutable repositories
- Describe Veeam security concepts and how to implement within the product
- Configure malware detection and explain how to remediate
- Given a scenario, recover data from backups for VMs, agents and applications
- Articulate the enterprise products Veeam has developed plug-ins for
- Describe how to monitoring, reporting and alerting function
- Implement the enterprise manager
- Explain how to perform basic troubleshooting procedures and how to work with support

Required skills

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

To get the most out of this course, students should be familiar with the core fundamental concepts of Veeam Backup &Replication through hands-on experience.

Teaching materials

Veeam guide book for this course.

Exams and certifications

VMCE is the foundational training required to qualify for the upcoming VMCE-E certification. To progress to this next-level Veeam certification, candidates must complete the designated courses in Veeam Backup &Replication, Veeam Data Platform: Monitor, Manage, Analyze (Veeam ONE), and Veeam Data Platform: Scale, Automate, Secure (Veeam

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Recovery Orchestrator).

Arrow can provide you the Veeam elearning subscription for the additional Veeam courses (Veeam ONE, VRO, Cyber Secure ...), please contact us about this additional Veeam eleaning subscription.

Course outline

Data protection strategies

- Review of key data protection strategies that ensure the safety of your data.

Analysis of risks to data

- Explore different risk scenarios, what risks do we face daily within our environment?

What is protected?

- Review of Veeam Data Platform and introduction to the class scenario.

Security and protection considerations

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

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.

Unstructured data backup

- List required components and features available to protect unstructured data.

Optimizing your backups

- Analyze features and settings that allow backup storage optimization, faster backups and data consistency.

Immutability and hardened repositories

- Describe backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.

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.

Move and copy backups with VeeaMover

- Identify use cases for virtual machine and backup migrations with VeeaMover.

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.

Incident Response Planning

- Integrating Veeam Backup and Replication into your incident response plan.

Advanced recovery features

- Explore some more in-depth recovery features of Veeam Backup and Replication.

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Selecting the ideal recovery method
- What are the implications of different recovery methods and selecting the correct recovery method.

Enacting a recovery
- Get practice in recovering different recovery types with a variety of data types.

Malware Detection
- Using Veeam's malware detection capabilities.

Post-incident processes
- Investigate post-incident activities.

Enterprise Plugins
- Learn which plug-ins Veeam currently supports and how they work

Monitoring, alerting and reporting
- Discover how to run reports and understand backup job status summaries

Troubleshooting
- Understand the basics of troubleshooting Veeam issues and how to resolve with support

Veeam Calculators
- Where to find them and an intro on how to utilize

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