

# Veeam Backup & Replication v12.1: Configure, Manage and Recover («VMCE12»)

This four-day technical course focuses on teaching IT professionals the skills to configure, manage and support a «Veeam Backup & Replication v12.1» solution.

**Duration:** 4 days

**Price:** 4'600.–

**Course documents:** Original Veeam courseware incl. training labs

**Vendor code:** VMCE

## Content

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.

### Data protection strategies

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

### Risk scenarios

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

### Core components

Review of Veeam Backup & Replication components required in most deployments, their purpose and key system requirements.

### Initial security considerations

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

### Virtual machine backup

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

### Agent backup

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.

### Backup data optimizations

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.

### Object storage

Review why backing up to object storage, which object storage solutions are supported and considerations when using this type of repositories.

### **Transport modes**

Analyze different ways data can be read from the production environment and their benefits and considerations.

### **Backup copies**

Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.

### **Scale-out Backup Repository™**

Describe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.

### **Moving or copying backups**

Identify use cases for workload and backup migrations with VeeamMover.

### **Replication**

Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.

### **Verifying recoverability**

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.

### **Recovery scenarios and features**

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.

### **Veeam Data Platform**

Identify and explain the purpose of each core product within the Veeam Data Platform and articulate potential use cases for them.

## **Key Learnings**

- Describing Veeam security concepts
- Given a scenario, configuring a backup job and a backup copy job
- Explaining network-attached storage (NAS) backups and configuration
- Describing Veeam's replication capabilities
- Determining appropriate use case for backups, replicas and/or continuous data protection
- Configuring backup infrastructure components, including proxy and repository servers
- Given a scenario, evaluating when and how to apply immutability settings
- Given a scenario, recovering data from backups

## **Methodology & didactics**

Theory/labs: 60/40

## **Target audience**

This course is suitable for anyone responsible for configuring, managing or supporting a Veeam Backup & Replication v12.1 environment.

## Exam

Completion of this course satisfies the prerequisite for taking the Veeam Certified Engineer (VMCE™) v12 exam. The optional Veeam certification exam costs CHF 180 and is covered by us.

## Repetition

In case of a retake, the participant pays the exam costs and the order.

## Further information about the exam

On the [Veeam portal](#) you will find more answers to your questions about the Veeam certification exam.

## Additional information

### Price advantage

Book the course package «[Veeam Certified Engineer + Advanced: Architecture & Design](#)» and benefit from an exclusive price advantage of CHF 200.- on the individually bookable modules. You can arrange the dates individually.

## Any questions?

We are happy to advise you on +41 44 447 21 21 or [info@digicomp.ch](mailto:info@digicomp.ch). You can find detailed information about dates on [www.digicomp.ch/courses-it-provider/veeam/course-veeam-backup-replication-v12-1-configure-manage-and-recover](http://www.digicomp.ch/courses-it-provider/veeam/course-veeam-backup-replication-v12-1-configure-manage-and-recover)