# Veeam Backup & Replication v12.1: Configure, Manage and Recover

Kód kurzu: VEE-VMCE

The Veeam® Backup & Replication™ v12.1: Configure, Manage and Recover training course is a four-day technical course focused on teaching IT professionals the skills to configure, manage and support a Veeam Backup& Replication v12.1 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 v12.1, part of Veeam Data Platform.

## Pro koho je kurz určen

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

## Co Vás naučíme

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

## Požadované vstupní znalosti

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 either through hands-on experience or by taking Veeam Backup &Replication Fundamentals free online training.

## Studijní materiály

Studijní materiál Veeam

## Osnova kurzu

### 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.

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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.

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.

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