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Veeam Backup & Replication Certification Training : Configure, Manage, and Recover

4 days (28 hours)

Overview

Veeam Backup & Replication is a leading solution for protecting, restoring, and securing data within modern infrastructures. It addresses the challenges of business continuity, resilience, and data protection.

Our Veeam Backup & Replication: Configure, Manage, Recover training will enable you to master the deployment, configuration, and administration of a comprehensive backup and replication solution.

You will learn to understand Veeam's architecture, deploy and configure a backup infrastructure, and implement data protection strategies tailored to your organization's needs.

You will also be able to ensure data recoverability, manage incidents, and guarantee the security and resilience of environments.

Upon completion of the training, participants will be able to manage data in both technical and business environments, delivering tangible benefits to organizations in the digital world.

Finally, this training prepares you for the official VMCE (Veeam Certified Engineer) certification.

Like all our training courses, this one will introduce you to **the latest stable version** of the technology and its new features.

Objectives

- Understand Veeam's data protection architecture and strategy
- Deploy, configure, and administer Veeam Backup & Replication
- Implement backup, replication, and business continuity strategies
- Ensure data recoverability, security, and resilience
- Perform advanced restores and manage incidents
- Be prepared to take the VMCE (Veeam Certified Engineer) certification exam

Target Audience

- Anyone responsible for configuring, managing, or supporting a Veeam v13 environment

Prerequisites

- Have basic IT experience with networks, servers, storage, the cloud, virtualization, and operating systems
- Understand the fundamental concepts of Veeam Backup and Replication through

Technical prerequisites

- A workstation with Internet access and a modern web browser
- A VMware, Hyper-V, or cloud environment accessible for hands-on exercises
- A server or virtual machine to install Veeam Backup & Replication
- Sufficient resources (CPU, RAM, storage) to simulate backup and restore operations
- Network access to test backup, replication, and recovery scenarios
- Access to administration and monitoring tools for hands-on exercises

Veeam Backup & Replication Training Program: Configure, Manage, Recover

[Day 1 - Morning]

Veeam Architecture and Fundamentals

- Understanding Veeam's architecture and data protection strategy
- Overview of components: Backup Server, Proxy, Repository
- Backup, Replication, and Business Continuity Concepts
- Integration with VMware, Hyper-V, and the cloud
- Use Cases and Veeam Positioning
- Hands-on workshop: Exploring a Veeam architecture.

[Day 1 - Afternoon]

Deploying Veeam Backup & Replication

- Deploying Veeam Backup & Replication
- Installation and Initial Configuration
- Adding infrastructure (vCenter, Hyper-V)
- Configuring components (proxy, repository)
- Deployment Validation
- Hands-on workshop: Complete installation of Veeam.

Configuring backups

- Creating and configuring backup jobs
- Scheduling and automation
- Retention management
- Performance optimization
- Backup best practices
- Hands-on workshop: Implementing backup strategies.

[Day 2 - Morning]

Replication and Business Continuity

- Implementing Virtual Machine Replication
- Business Continuity Strategies
- Managing RPOs and RTOs
- Planning Recovery Scenarios
- Optimizing Replication Performance
- Hands-on workshop: Setting up replication.

[Day 2 - Afternoon]

Backup Policies and Optimization

- Advanced backup strategies
- Protection policy management
- Capacity and storage optimization
- Performance Management
- Best Practices for Operations
- Hands-on Workshop: Optimizing Backup Policies.

Operation and Maintenance

- Managing Veeam Operations and Maintenance
- Job Monitoring and Alerts

- Management of common errors and incidents
- Component maintenance
- Performance monitoring
- Hands-on workshop: Day-to-day operation of a Veeam environment.

[Day 3 - Morning] Data

recovery

- Ensuring Data Recoverability
- Full and granular restores
- Virtual machine recovery
- Application-based recovery
- Restore Tests
- Hands-on workshop: Recovery scenarios.

[Day 3 - Afternoon]

Advanced restores and incident management

- Performing advanced restores
- Critical incident management
- Log analysis and diagnostics
- Troubleshooting methodology
- Best practices for crisis management
- Hands-on workshop: Veeam incident resolution.

Data Security and Resilience

- Ensuring data security and resilience
- Protection against data loss
- Security Best Practices
- Access and Role Management
- Audit and Compliance
- Hands-on workshop: Implementing a resilience strategy.

[Day 4 - Morning]

Performance Monitoring and Optimization

- Monitoring Veeam Performance
- Analysis of Metrics and Jobs
- Identifying bottlenecks
- Resource optimization
- Continuous improvement

- Hands-on workshop: Performance analysis.

[Day 4 - Afternoon]

Summary and certification preparation

- Review of key Veeam concepts
- Skills assessment
- Preparation for VMCE certification
- Methodological tips
- Final assessment
- Hands-on workshop: Mock exam and grading.

Target Audience

This training is intended for both individuals and companies, large or small, wishing to train their teams in new advanced IT technology or to acquire specific professional knowledge or modern methods.

Entry-level assessment

The pre-training assessment complies with Qualiopi quality standards. Upon final registration, the learner receives a self-assessment questionnaire that allows us to evaluate their estimated proficiency in various types of technologies, as well as their expectations and personal goals for the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could pose challenges for monitoring and ensuring the smooth running of the training session.

Teaching Methods

Practical Course: 60% Practical, 40% Theory. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the trainer, supported by examples and reflection sessions, and group work.

Assessment

At the end of the session, a multiple-choice questionnaire is used to verify that the skills have been properly acquired.

Certification

A certificate will be issued to each trainee who has completed the entire training program.

[Training Program Webpage](#) - Appendix 1 - Training Course Description

Training organization registered under number 11 75 54743 75. This registration does not constitute state accreditation.

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