Veeam Certified Engineer (VMCE) v9

Length   : 3 Days
Delivery Method   : Instructor-led (Classroom)

Course Overview

The three-day, technical deep dive Veeam Certified Engineer training course, is focused on teaching IT professionals the skills to deploy, configure, manage, and support a Veeam Availability Suite v9 solution. With extensive hands-on-labs, the class enables administrators and engineers to effectively manage data, in an ever-changing technical and business environment, bringing tangible benefit to business in the digital world.

Audience Profile

This course is suitable for anyone responsible for managing or deploying Veeam Availability Suite.

Certification

Completion of this course satisfies the prerequisite for taking the VMCE v9 exam.

At Course Completion

- Demonstrate a clear understanding of Veeam Availability Suite and how to work with the components relevant to their environment
- Effectively manage data availability in onsite, offsite, cloud and hybrid environments
- Ensure both Recovery Time Objectives (RTO) and Recovery Point Objectives (RPO) are met
- Deploy and configure Veeam Availability suite for their environment, ensuring data is protected effectively and performance of CPU, network and storage is maximized
- Provide visibility of the business data assets, produce effective reports and dashboards to monitor performance and risks
- Conduct basic troubleshooting and analysis

Pre-Requisites

Students should be experienced professionals with a solid understanding of servers, storage, networks and virtualization

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Course Outline

Module 1: Overview of Veeam products
Lesson

- Veeam Products
- Veeam Availability Suite
- Key Concepts

Module 2: Deployment
Lesson

- Core Components and Their Interaction
- Optional Components
- Deployment Scenarios
- Prerequisites
- Upgrading Veeam Backup & Replication

Module 3: Initial Configuration
Lesson

- Adding Servers
- Adding a VMware Backup Proxy
- Adding a Hyper-V Off-host Backup Proxy
- Performing Configuration Backup and Restore
- Managing Network Traffic
- Global Notification Settings
- Getting to Know User Interface

Module 4: Protect
Lesson

- 3-2-1 Rule
- Creating Backup Jobs
- Creating Restore Points with VeeamZIP and Quick Backup
- Backup Copy
- Replication
- Creating VM/File Copy Jobs

Module 5: Entire VM Recovery
Lesson

- Recovery from a Backup
- Extract Utility
- Recovery from Replica

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Module 6: Objects Recovery
Lesson
- Item-Level Recovery
- Guest OS File Recovery

Module 7: Verification
Lesson
- SureBackup Recovery Verification
- SureReplica Recovery Verification
- On-Demand Sandbox

Module 8: Introduction to Agents
Lesson
- Veeam Agents for Microsoft Windows
- Veeam Agents for Linux
- Veeam Agent Management
- Protection Groups
- Agent Jobs

Module 9: Advanced Data Protection
Lesson
- WAN Acceleration
- Tape Device Support
- Hyper-V Backup Off-host Proxy
- Storage Integration
- Support for Deduplicating Storage Systems
- Veeam Cloud Connect
- Veeam Backup Enterprise Manager
- Standalone Console
- vCloud Director Support

Module 10: Veeam ONE features and functionality
Lesson
- Monitoring and Alerting
- Reporting and Dashboards
- Business Categorization
- Veeam One Deployment
- Veeam One Assessment Tool

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Module 11: Product Editions
Lesson
- Product Editions Comparison
- Full and Free Functionality Modes

Module 12: Troubleshooting
Lesson
- How to Identify the Problem
- How to review and analyze the issue
- Common Issues and Misconfigurations
- Common VMware Related Issues
- Log Files
- Veeam Support