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## Veeam Certified Engineer (VMCE)

**Duration: 3 Days**    **Course Code: VMCE**    **Version: 9.0**

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### 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.

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### Target Audience:

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

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### Objectives:

- 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
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### Prerequisites:

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

### Testing and Certification

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

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## Content:

### Overview of Veeam products

- Veeam Products
- Veeam Availability Suite
- Key Concepts

### Deployment

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

### Initial Configuration

- 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

### Protect

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

### Entire VM Recovery

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

### Objects Recovery

- Item-Level Recovery
- Guest OS File Recovery

### Verification

- SureBackup Recovery Verification
- SureReplica Recovery Verification
- On-Demand Sandbox

### Introduction to Agents

- Veeam Agents for Microsoft Windows
- Veeam Agents for Linux
- Veeam Agent Management
- Protection Groups
- Agent Jobs

### Advanced Data Protection

- 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

### Veeam ONE features and functionality

- Monitoring and Alerting
- Reporting and Dashboards
- Business Categorization
- Veeam One Deployment
- Veeam One Assessment Tool

### Product Editions

- Product Editions Comparison
- Full and Free Functionality Modes

### Troubleshooting

- How to Identify the Problem
- How to review and analyze the issue
- Common Issues and Misconfigurations
- Common VMware Related Issues
- Log Files
- Veeam Support

## Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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