

# Veeam Certified Engineer (VMCE) v9 classroom course description

The Veeam Certified Engineer (VMCE) course is a 3 day technical deep-dive focused on teaching engineers to architect, implement and optimize the Veeam software solution. This class is designed for the professional services consultant and system administrator alike creating a Veeam expert who is able to maximize the benefit to a business. The VMCE course combines expert instruction with intensive hands-on exercises to provide the maximum knowledge transfer to each participant.

## Participants:

- System Engineer / Administrator
- Backup / Virtualization Administrators
- Pre-Sales / Post-Sales / Solution Architects / Consultants

Generally speaking any IT specialist eager to become an industry recognized expert on Veeam software solutions.

## Prerequisites:

- Have a solid virtualization, backup and recovery knowledge base
- Recommendation to have followed the online free technical course path on Veeam University (<https://www.veeam.com/university.html> – for end users) or Veeam ProPartner (for Veeam resellers)

## Objectives:



This certification is an excellent investment for an IT professional looking to increase productivity, reduce operating costs, increase potential for personal career advancement and gain recognition from the employer and customers. By completing the Veeam Certified Engineer (VMCE) course you should be able to:

- Get more functionality out of Veeam solutions
- Identify and resolve issues more efficiently
- Gain a distinction from your peers

[www.propartner.veeam.com](http://www.propartner.veeam.com)

## Syllabus:

1. Module 1: Overview
  - 1.1. Veeam Products
  - 1.2. Key Concepts
  - 1.3. Course Overview
2. Deployment
  - 2.1. Core Components and Their Interaction
  - 2.2. Optional Components
  - 2.3. Deployment Scenarios
  - 2.4. Prerequisites & System Requirements
  - 2.5. Upgrading Veeam Backup & Replication
3. Initial Configuration
  - 3.1. Adding Servers
  - 3.2. Data Location tagging
  - 3.3. Performing Configuration Backup and Restore
  - 3.4. Managing Network Traffic
  - 3.5. General options
  - 3.6. Getting to Know user Interface
4. Protect
  - 4.1. 3-2-1 rule
  - 4.2. Creating Backup Jobs
  - 4.3. Creating Restore Points with VeeamZIP and Quick Backup
  - 4.4. Backup Copy
  - 4.5. Replication
  - 4.6. Creating VM/File Copy Jobs
5. Entire VM Recovery
  - 5.1. Recovery from a Backup
  - 5.2. Extract Utility
  - 5.3. Recovery from a Replica

[www.propartner.veeam.com](http://www.propartner.veeam.com)

- 
- 6. Objects Recovery
    - 6.1. Application-Item Recovery
    - 6.2. Universal Application-Item Recovery (U-AIR)
    - 6.3. Guest OS File Recovery
  - 7. Verification
    - 7.1. SureBackup Recovery Verification
    - 7.2. SureReplica Recovery Verification
    - 7.3. On-Demand Sandbox
  - 8. Introduction to Agents
    - 8.1. Why agents?
    - 8.2. Veeam Agents for Microsoft Windows
    - 8.3. Veeam Agents for Linux
    - 8.4. Veeam Agent Management
    - 8.5. Protection Groups
    - 8.6. Agent Jobs
    - 8.7. Administrative tasks
  - 9. Advanced Data Protection
    - 9.1. WAN Acceleration
    - 9.2. Tape Device Support
    - 9.3. Storage Integration (VMware)
    - 9.4. Microsoft Hyper-V Off-host Backup Proxy
    - 9.5. Support for Deduplication Storage Systems
    - 9.6. Veeam Cloud Connect
    - 9.7. Veeam Backup Enterprise Manager
    - 9.8. Standalone Console
    - 9.9. vCloud Director Support
  - 10. Veeam ONE Features and Functionality
    - 10.1. Veeam ONE overview
    - 10.2. Veeam ONE components

---

10.3. Veeam ONE Deployment

10.4. Veeam ONE as an assessment tool

11. Product Editions

11.1. Product Editions Comparison

11.2. Product Licensing

11.3. Full and Free Functionality Modes

12. Troubleshooting

12.1. How to identify the Problem

12.2. Review and Analyze the Issue

12.3. Common issues & Misconfigurations

12.4. Common VMware related issues

12.5. Log files

12.6. Veeam Support

12.7. Search for Additional Information