



VEEAM
AUTHORIZED
EDUCATION CENTER

Veeam Certified Engineer (VMCE) — Advanced Design & Optimization

Code:	VMCE-A
Length:	2 days
URL:	View Online

The two-day, technical deep dive Advanced Design and Optimization training course is focused on teaching IT professionals the skills to effectively size, scope, design, optimize, automate and troubleshoot a Veeam Availability Suite deployment. The class also covers security, audit and compliance considerations when working with Veeam Availability Suite.

Skills Gained

After completing this course attendees should be able to:

- Accurately scope and size a technical environment, evaluating Veeam Availability Suite design decisions against current and future technical and business landscapes
- Demonstrate the value of a Veeam deployment to both internal and external clients, ensuring designs that maximise Return on Investment
- Guarantee and verify the recoverability of data to the business
- Optimize configurations, ensuring workload impact on network, cpu and storage resources is within acceptable levels for the business.
- Interrogate log files for detailed root cause analysis

Who Can Benefit

System Administrators, Engineers and Architects responsible for multiple Veeam deployments as a professional services consultant or those within large, diverse clients providing centralized IT services to the wider business.

Prerequisites

Attendees should be experienced professionals with exceptional knowledge of servers, storage, networks and virtualization. Experienced with Veeam, attendees should ideally possess the VMCE, or have equivalent knowledge.

Course Details

Certifications

Completion of this course satisfies the prerequisite for taking the Veeam Certified Architect v1 (VMCAv1) exam.

Course Outline

Introduction

- Always-On™
- Design and Sizing

Design and Sizing

- DNS and name resolution
- Veeam BackUp Server
- Veeam BackUp Server Database
- Veeam BackUp Server Locations
- Veeam BackUp Server Proxy Sizing
- Transport Modes
- Repository Server
- Estimating Repository Capacity
- WAN Accelerator
- Interaction With Hypervisors

Infrastructure Assessment

- Stages of POC
- Important Data to Collect
- Network and Firewall
- Veeam ONETM

Security

- Permissions
- MS Hyper-V
- VMware vCenter
- App-aware Processing
- MS Active Directory
- MS SQL Server
- MS Exchange
- MS Sharepoint
- Oracle

Optimizations

- Protecting Veeam Backup & Replication Configuration
- Proxy and Repository Servers
- Scale-out Backup Repository
- Deduplication Appliances
- WAN Accelerator
- Tape Server, Drives and Drivers
- Veeam Backup Enterprise Manager
- Indexing
- Anti-Virus on Veeam Servers and Guest VMs

Automation

- Veeam Backup Server
- Silent Updates of Backup Server
- VMware vSphere Tags

Audit and Compliance

- Auditing
- Compliance
- SureBackup and SureReplica

Troubleshooting

- Advanced troubleshooting and diagnostic techniques and methodologies
- Detailed understanding of log files, creation reading and searching
- Troubleshooting mode