# Veeam Certified Engineer & Advanced Architechture v9 Bootcamp

## Duration: 2 Days     Course Code: VMCA

## Overview:

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.

## Target Audience:

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.

## Objectives:

- 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

## 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.

## Testing and Certification

Completion of this course satisfies the prerequisite for taking the VMCE Advanced: Design & Optimization v1 exam. Please note, passing both the VMCE and VMCE-ADO exams will grant the candidate the Veeam Certified Architect (VMCA) milestone certification.

## Content:

### 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 Repoistory
- 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

---

## Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

training@globalknowledge.ae

www.globalknowledge.com/en-ae/

Global Knowledge, Dubai Knowledge Village, Block 2A,First Floor, Office F68, Dubai, UAE