

# Veeam Availability Suite v10: Configuration and Management

**Duration:** Three days

**Labs/Theory:** 50/50

## Overview

This three-day, technical deep dive Veeam® Availability Suite™ v10: Configuration and Management training course is focused on teaching IT professionals the skills to configure, manage and support a Veeam Availability Suite v10 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 businesses in the digital world.

*This course is based on Veeam Availability Suite v10.*

## Audience

This course is suitable for anyone responsible for configuring, managing or supporting a Veeam Availability Suite v10 environment.

## Prerequisites

Students should be experienced professionals with solid knowledge of servers, storage, networking and virtualization.

To prepare for the class, the Partner should complete the Veeam Sales Professional (VMSP) and Veeam Technical Sales Professional (VMTSP) certifications within the [ProPartner](#) website and customers should complete the free online training on [www.veeam.com](http://www.veeam.com).

## Certification

Completion of this course satisfies the prerequisite for taking the Veeam Certified Engineer (VMCE) 2020 exam.

## Objectives

After completing this course, attendees should be able to:

- Describe Veeam Availability Suite components usage scenarios and relevance to their own environment.
- Effectively manage data availability in on-site, off-site, cloud and hybrid environments.
- Ensure both Recovery Time Objectives (RTOs) and Recovery Point Objectives (RPOs) are met.
- Install and configure Veeam Availability Suite into their environment, ensuring data is protected effectively.
- Adapt with an organization's evolving technical, business and regulatory needs.
- Ensure recovery is possible, effective, efficient, secure and compliant with business and legal requirements.
- Provide visibility of the business data assets, and produce effective reports and dashboards to monitor performance and risks.
- Conduct basic troubleshooting and analysis of their Veeam Availability Suite environment.

## Contents

### Introduction

- Describe RTOs and RPOs, what they mean for your business, how to manage and monitor performance against them
- The 3-2-1 Rule and its importance in formulating a successful backup strategy
- Identify key Veeam Availability Suite components and describe their usage scenarios

### Building Backup Capabilities

- Backup methods, the appropriate use cases and impact on underlying file systems
- Create, modify, optimize and delete backup jobs, including NAS Backup jobs. Explore different tools and methods, such as BitLocker™ and Deduplication, to maximize environment performance
- Global Settings and their usage to prevent production performance bottlenecks, encrypt network traffic data and control network jurisdiction

### Restoring from Backup

- Identify and describe the different restore tools and their features. Ensure you have the confidence to use the correct restore tool at the right time
- Using Secure Restore to prevent the restoration of malware
- Disaster recovery from backup, respond accordingly to a variety of real-world recovery scenarios

### Backup Copy Jobs

- Simple vs Advanced Backup Copy Jobs, how to create and modify them using best practices to ensure efficient recovery
- Utilizing tape jobs, how to create and modify

### Replication

- Identify and describe the options available for replication, the use cases and impacts of using
- Create, modify and delete replication jobs, outline considerations to ensure success

### Failover

- Identify and describe in detail, failover features and the appropriate usage
- Develop, prepare and test failover plans to ensure recovery
- Disaster recovery from replica, respond accordingly to a variety of real-world recovery scenarios

### Advanced Repository Capabilities

- Ensure efficiency by being able to select appropriate transport modes while being aware of the impact of various backup functions on the infrastructure
- Ensure scalability by integrating off-site S3 storage
- Ensure compatibility with existing deduplication appliances

### Testing Backup and Replication

- Testing backups and replicas to ensure you can recover, what you need, when you need to
- Configure Veeam DataLabs™ and setup sandbox environments based on backup, replicas and storage snapshots
- Using Veeam DataLabs Staged Restore to manage and comply with General Data Protection Regulation (GDPR) legislation before releasing restores to production

### Veeam Backup Enterprise Manager

- Manage multiple Veeam Backup & Replication™ installations from a single web console, maintaining a view of your entire virtual environment, ensuring data protection of ROBO and Enterprise environments.
- Create user and group roles, delegate workloads whilst maintaining data control
- Enable encryption password loss protection, helping to restore encrypted data in case of lost or forgotten encryption passwords

### Veeam ONE

- Monitor your Virtual, Physical and Cloud environments with Veeam ONE™ and assess the different views available
- Configure Veeam ONE for your specific technical and business requirements, describe the alarm options available and how to customize their usage
- Set up, use and customize Veeam ONE Reporter, creating the reports and dashboards you require technically and for the business

### Support

- Locate, migrate or restore backup configuration
- Identify and locate appropriate support resources
- Troubleshooting methodology to identify, isolate and remediate support issues