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**Learning Style: Virtual Classroom**

**Technology: Citrix**

**Difficulty: Intermediate**

**Course Duration: 4 Days**

## **Veeam Backup & Replication v12.1: Configure, Manage and Recover**



### **About this Course:**

The Veeam® Backup & Replication™ v12.1: Configure, Manage and Recover training course is a four-day technical course focused on teaching IT professionals the skills to configure, manage and support a Veeam Backup & Replication v12.1

solution. With extensive hands-on labs, the class promotes situational resiliency in responding to recovery scenarios and enables administrators and engineers to effectively protect and manage data in an ever-changing technical and business environment, bringing tangible benefit to business in the digital world. This course is based on Veeam Backup & Replication v12.1, part of Veeam Data Platform.

## **Course Objectives:**

After completing this course, attendees will be able to:

- Describe Veeam security concepts
- Given a scenario, configure a backup job and a backup copy job
- Explain network-attached storage (NAS) backups and configuration
- Describe Veeam's replication capabilities
- Determine appropriate use case for backups, replicas and/or continuous data protection
- Configure backup infrastructure components, including proxy and repository servers
- Given a scenario, evaluate when and how to apply immutability settings
- Given a scenario, recover data from backups

## **Audience:**

This course is suitable for anyone responsible for configuring, managing or supporting a Veeam Backup & Replication v12.1 environment.

## **Prerequisites:**

- Students should have fundamental IT experience working with networking, servers, storage, cloud, virtualization and operating systems.
- To get the most out of this course, students should be familiar with the core fundamental concepts of Veeam Backup & Replication through hands-on experience

## **Course Outline:**

### **Data protection strategies**

Review of key data protection strategies that ensure the safety of your data.

### **Risk scenarios**

Explore different risk scenarios, what risks do we face daily within our environment?

### **Core components**

Review of Veeam Backup & Replication components required in most deployments, their purpose and key system requirements.

### **Initial security considerations**

Describe strategies and tools to secure the Veeam backup server to avoid unauthorized access and data leaks.

## **Virtual machine backup**

Efficiently protect VMware and Hyper-V virtual machines based on well-defined SLAs through the creation of backup jobs.

## **Agent backup**

Identify the use of protection groups to automate the installation of Veeam Agents and protecting workloads with agent backup jobs.

## **Unstructured data backup**

List required components and features available to protect unstructured data.

## **Backup data optimizations**

Analyze features and settings that allow backup storage optimization, faster backups and data consistency

## **Immutability and hardened repositories**

Describe backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.

## **Object storage**

Review why backing up to object storage, which object storage solutions are supported and considerations when using this type of repositories.

## **Transport modes**

Analyze different ways data can be read from the production environment and their benefits and considerations.

## **Backup copies**

Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.

## **Scale-out Backup Repository™**

Describe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.

## **Moving or copying backups**

Identify use cases for workload and backup migrations with VeeamMover.

## **Replication**

Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.

## **Verifying recoverability**

Create automated tests to ensure recoverability from backups and replicas.

## **Veeam Backup Enterprise Manager**

Describe the use cases for Veeam Backup Enterprise Manager.

## **Incident Response Planning**

Integrating Veeam Backup and Replication into your incident response plan.

## **Recovery scenarios and features**

What are the implications of different recovery methods and selecting the correct recovery method.

## **Enacting a recovery**

Get practice in recovering different recovery types with a variety of data types.

## **Veeam Data Platform**

Identify and explain the purpose of each core product within the Veeam Data Platform and articulate potential use cases for them.