

# Veeam Backup & Replication V11: Architecture and Design

Référence : **VBRv11AD**

Durée : **2 jours**

Certification : **VMCA**

## CONNAISSANCES PREALABLES

- Ideally VMCE certified, attendees should have extensive commercial experience with Veeam and a broad sphere of technical knowledge of servers, storage, networks, virtualization and cloud environments.

## PROFIL DES STAGIAIRES

- Senior Engineers and Architects responsible for creating architectures for Veeam environments.

## OBJECTIFS

- Design and architect a Veeam solution in a real-world environment. • Describe best practices, review an existing infrastructure and assess business/project requirements. • Identify relevant infrastructure metrics and perform component (storage, CPU, memory) quantity sizing. • Provide implementation and testing guidelines in line with designs. • Innovatively address design challenges and pain points, matching appropriate Veeam Backup & Replication features with requirements.

## CERTIFICATION PREPAREE

eeam Certified Architect (VMCA)

## METHODES PEDAGOGIQUES

- Mise à disposition d'un poste de travail par stagiaire
- Remise d'une documentation pédagogique papier ou numérique pendant le stage
- La formation est constituée d'apports théoriques, d'exercices pratiques, de réflexions et de retours d'expérience
- Le suivi de cette formation donne lieu à la signature d'une feuille d'émargement

## FORMATEUR

Consultant-Formateur expert Veeam

## METHODE D'EVALUATION DES ACQUIS

- Auto-évaluation des acquis par le stagiaire via un questionnaire
- Attestation de fin de stage adressée avec la facture

## CONTENU DU COURS

### Introduction

- Review the architecture principles
- Explore what a successful architecture looks like
- Review Veeam's architecture methodology

### Discovery

- Analyze the existing environment
- Uncover relevant infrastructure metrics
- Uncover assumptions and risks
- Identify complexity in the environment

### Conceptual design

- Review scenario and data from discovery phase

- Identify logical groups of objects that will share resources based on requirements
- Create a set of detailed tables of business and technical requirements, constraints, assumptions and risks
- Review infrastructure data with each product component in mind
- Create high level design and data flow

### Logical design

- Match critical components and features of VBR with requirements
- Create logical groupings

- Determine location of components and relationship to logical grouping
- Aggregate totals of component resources needed per logical grouping
- Calculate component (storage, CPU, memory) quantity sizing

### **Physical/tangible design**

- Convert the logical design into a physical design
- Physical hardware sizing
- Create a list of physical Veeam backup components

### **Implementation and Governance**

- Review physical design and implantation plan

- Review Veeam deployment hardening
- Describe the architect's obligations to the implementation team
- Provide guidance on implementation specifics that relate to the design

### **Validation and Iteration**

- Provide framework for how to test the design
- Further develop the design according to a modification scenario