

Veeam Backup & Replication V11: Architecture and Design

Référence : **VBRv11AD**

Durée : **2 jours (14 heures)**

Certification : **VMCA**

Connaissances préalables

- 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 préparée

Veeam Certified Architect (VMCA)

Méthodes pédagogiques

- 6 à 12 personnes maximum par cours, 1 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 et de réflexions

Formateur·rice

- Consultant-Formateur expert Veeam

Méthodes d'évaluation des acquis

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

Contenu du cours

1. Introduction

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

2. Discovery

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

3. 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

4. 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

5. Physical/tangible design

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

6. 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

7. Validation and Iteration

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

Notre référent handicap se tient à votre disposition au [01.71.19.70.30](tel:01.71.19.70.30) ou par mail à referent.handicap@edugroupe.com pour recueillir vos éventuels besoins d'aménagements, afin de vous offrir la meilleure expérience possible.