

Veeam Backup & Replication V11: Architecture and Design («VMCEAD»)

In this Veeam course you will learn how to effectively architect a Veeam solution through attaining technical excellence following the Veeam Architecture Methodology.

Duration: 2 days

Price: 2'350.–

Course documents: Original-Veeam-courseware

Vendor code: VMCA

Content

During the two days, attendees will explore the goals of requirement gathering and infrastructure assessment, and use that information to design Veeam solutions within team exercises. Attendees will analyze considerations when turning logical designs into physical designs and describe the obligations to the implementation team that will implement that design. Other topics covered will include security, governance and validation impacts when architecting a Veeam solution and how to build these into the overall design.

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

Key Learnings

- Designing and architecting a Veeam solution in a real-world environment
- Describing best practices, reviewing an existing infrastructure and assessing business/project requirements
- Identifying relevant infrastructure metrics and performing component (storage, CPU, memory) quantity sizing
- Providing implementation and testing guidelines in line with designs
- Innovatively addressing design challenges and pain points, matching appropriate Veeam Backup & Replication features with requirements

Target audience

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

Certification

Exam

Completion of this course satisfies the prerequisite for taking the Veeam Certified Architect (VMCA 2022) exam, the highest level of Veeam certification. VMCA 2022 certification proves knowledge of architecture and design concepts, highlighting the level of skill required to efficiently architect a Veeam solution in a range of real-world environments. The optional Veeam certification exam costs CHF 300 and is covered by us. Please contact us if you would like to take the Veeam exam at 0041 44 447 21 21 or info@digicomp.ch. We will be happy to order the exam voucher for you.

In case of a retake, the participant pays the exam costs and the order.

More information about the exam

On the [Veeam portal](#) you can find more answers to your questions about the Veeam certification exam.

Price information

The price includes course materials and if desired, an exam voucher for the following Veeam certification exam.

Additional information

Price advantage

Book the course package «[Veeam Certified Engineer + Advanced: Architecture & Design v12](#)» and benefit from an exclusive price advantage of CHF 200.- on the individually bookable modules. You can arrange the dates individually.

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-digital-transformation-technologies/cloud/underlying-technologies/course-veeam-backup-replication-v11-architecture-and-design-vmca