

Szkolenie: HPE
Veeam Backup & Replication v11: Architecture and Design (VMCA)



Cel szkolenia:

The Veeam® Backup & Replication™ v11: Architecture and Design training course teaches IT professionals how to effectively architect a Veeam solution by following the Veeam Architecture Methodology used by Veeam's own Solution Architects. During the course, attendees explore requirement gathering and infrastructure assessment, and use that information to design Veeam solutions within team exercises. Attendees 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 include security, governance and validation and how to build these into the overall design when architecting the Veeam solution.

After completing this course, attendees should be able to:

- 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 to align with designs
- Innovatively address design challenges and pain points, matching appropriate Veeam Backup & Replication features with requirements

Audience:

Senior engineers and architects responsible for creating architectures for Veeam environments

Plan szkolenia:

- Introduction
 - Review architecture principles
 - Explore what a successful architecture looks like
 - Review Veeam 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

Wymagania:

Ideally, students are VMCE certified. Attendees should have extensive commercial experience with Veeam and a broad sphere of technical knowledge related to servers, storage, networks, virtualization and cloud environments.

Poziom trudności



Certyfikaty:

The participants will obtain certificates signed by HPE (course completion).

Prowadzący:

Authorized HPE Trainer.