BR420-EN Veeam Backup & Replication v12.1 (VMCA): Architecture and Design

Kurzbeschreibung:

The three-day, **BR420-EN Veeam® Backup & Replication™ v12.1 (VMCA): Architecture and Design** training course is focused on teaching IT professionals how to effectively architect a Veeam solutionby attaining technical excellence through following the Veeam architecture methodology used by Veeam's own solution architects.
Over the course of these three days, attendees will explore the process of requirement gathering and infrastructure assessment and use that information to design Veeam solutions within team exercises. Attendees will also analyze considerations when turning conceptual designs into logical designs, make those designs physical, and then describe obligations to the implementation team that will implement 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.
Attendees should expect to contribute to team exercises, present designs and defend their decision making.

Completion of this course satisfies the prerequisite for taking the **Veeam Certified Architect (VMCA)exam**, the highest level of Veeam certification. VMCA 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.

Zielgruppe:

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

Voraussetzungen:

Ideally VMCE certified, attendees of the course **BR420-EN Veeam® Backup & Replication™ v12.1 (VMCA): Architecture and Design** should have extensive commercial experience with Veeam and a broad sphere of technical knowledge of servers, storage, networks, virtualization and cloud environments.

At least, a candidate should be able to:

- Explain core concepts from the Veeam Backup & Replication v12.1: Configure, Manage and Recover course
- Configure common Veeam components
- Operate Veeam Backup & Replication Console
- Optimize an existing backup environment after studying its current implementation
- Describe repository types and usage priorities (i.e., fast cloning, dedupe, object storage, data flow recommendations)
- Awareness of backup targets for Veeam Backup for cloud products and Veeam Plug-ins for enterprise applications
- Have extensive technical experience with Veeam

Alternatively, we recommend attending one of the following two courses in advance:

- **BR410-EN Veeam Backup & Replication v12.3(VMCE) Configure, Manage and Recover**

- **BR418-EN Veeam v12.3 (VMCE) with Storage-Connection**

Sonstiges:

Dauer: 3 Tage

Preis: 2480 Euro plus Mwst.

Ziele:

After completing the training **BR420-EN Veeam® Backup & Replication™ v12.1 (VMCA): Architecture and Design**, participants should be able to:

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

After successful completion of the two courses **BR410 and BR420** and their exams, you may call yourself **"Veeam Certified Architect (VMCA)"**

You can take the exam after the course at a Pearson VUE test centre. It consists of 40 questions that have to be answered in 60 minutes. You need a score of at least 70% to pass the exam. You can find detailed information about the exam here.

You can take a trial test here.
For further exercises, the LABS are still available 10 working days after the course.

Inhalte/Agenda:

- **Introduction**
  - Review course expectations
  - Analyze architecture principles
  - Review Veeam architecture methodology
  - Define the scope of a design project
  - List the deliverables of a design project
- **Discovery**
  - Describe the data gathering process
  - List key data to get from stakeholders
  - Describe possible tools to analyze existing environments
  - Identify complexity in the environment
  - Review the course scenario
- **Conceptual design**
  - Clarify requirement, constraint, assumption, and risk concepts
  - Identify received information as requirement, constraint, assumption, or risk
  - Create high-level infrastructure and data flow diagrams
- **Logical design**
  - List required Veeam components based on requirements
  - Describe logical grouping parameters
  - Utilize appropriate sizing tools
  - Create logical designs based on the course scenario
- **Physical design**
  - Describe the decision making procedure
  - List the considerations behind designing backup repositories and VMware backup proxies
  - Explain the implications of using backup from storage snapshots
  - Document physical design decisions
  - Create physical designs based on the course scenario
- **Group presentation**
  - Produce a presentation to a customer that summarizes your design
  - Present your design
- **Implementation and Governance**
  - Describe the implementation guide
  - List possible backup server configurations and security configurations
  - Define the job design
  - List the architect obligations for implementation
- **Validation and Iteration**
  - List the possible validation tests that can be performed on an implementation
  - Describe validation tools and procedures
  - List recovery validations that can be performed on an implementation
  - Define malware detection methods
  - Analyze considerations behind starting a new design cycle
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