Veeam Certified Engineer & Advanced Architechture v11 Bootcamp

Varighet: 5 Days   Kurskode: VMCA   Version: 11

Beskrivelse:

The Veeam® Certified Architect (VMCA) is a five-day technical course for both professional services consultants and system administrators. This course is made up via the 3 day VMCE followed by the 2 day VMCE-Advanced run back to back. This class is designed for those who want to acquire the Veeam Certified Architect (VMCA) designation

Målgruppe:

System Engineer / Administrator. Backup / Virtualization Administrators. Pre-Sales / Post-Sales / Solution Architects / Consultants. Generally speaking any IT specialist eager to become an industry recognized expert on Veeam software solutions.

Agenda:

- **After completing this course you should be able to:**

- Describe Veeam Availability Suite components usage scenarios and relevance to your environment.

- Effectively manage data availability in on-site, off-site, cloud and hybrid environments.

- Ensure both Recovery Time Objectives (RTOs) and Recovery Point Objectives (RPOs) are met.

- Configure Veeam Availability Suite to ensure data is protected effectively.

- Adapt with an organization's evolving technical and business data protection needs.

- Ensure recovery is possible, effective, efficient, secure and compliant with business requirements.

- Provide visibility of the business data assets, reports and dashboards to monitor performance and risks

- 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

Forkunnskaper:

Attendees should meet the following prerequisites:

- Students should be experienced professionals with solid knowledge of servers, storage, networking and virtualization.

- To prepare for the class, Veeam Partners would benefit from completing the Veeam Sales Professional (VMSP) and Veeam Technical Sales Professional (VMTSP) certifications within the ProPartner website. Veeam customers would benefit from completing the free Veeam Availability Suite on-demand training on www.veeam.com .

Test og sertifisering

Recommended as preparation for the following exams:

- Veeam Certified Engineer (VMCE) 2021
- Veeam Certified Architect (VMCA) 2021

Innhold:

Introduction

- Describe RTOs and RPOs, what they mean for your business, how to manage and monitor performance against them
- The 3-2-1 Rule and its importance in formulating a successful backup strategy
- Identify key Veeam Availability Suite components and describe their usage scenarios and deployment types
- Review the architecture principles
- Explore what a successful architecture looks like
- Review Veeam's architecture methodology

Building Backup Capabilities

- Backup methods, the appropriate use cases and impact on underlying file systems
- Create, modify, optimize and delete backup jobs, including Agents and NAS Backup jobs. Explore different tools and methods to maximize environment performance
- Ensure efficiency by being able to select appropriate transport modes while being aware of the impact of various backup functions on the infrastructure

Building Replication Capabilities

- Identify and describe the options available for replication and impacts of using them
- Create and modify replication jobs, outline considerations to ensure success
- Introduce the new Continuous Data Protection (CDP) policy

Secondary Backups

- Simple vs. advanced backup copy jobs, how to create and modify them using best practices to ensure efficient recovery
- Discuss using tapes for backups

Advanced Repository Capabilities

- Ensure repository scalability using a capability such as SOBR on-premises and off-site including integration with cloud storage
- Ensure compatibility with existing deduplication appliances
- Introduce the new hardened repository

Protecting Data in the Cloud

- Review how Veeam can protect the data of a cloud native application
- Review how Veeam Cloud Connect enables you to take advantage of cloud services built on Veeam
- Review how Veeam can be used to protect your Office 365 data

Restoring from Backup

- Ensure you have the confidence to use the correct restore tool at the right time for restoring VMs, bare metal and individual content such as files and folders
- Utilize Secure Restore to prevent the restoration of malware
- Describe how to use Staged Restore to comply with things like General Data Protection Regulation (GDPR) before releasing restores to production
- Identify, describe and utilize the different explores and instant recovery tools and features

Recovery from Replica

- Identify and describe in detail, failover features and the appropriate usage
- Develop, prepare and test failover plans to ensure recovery
- Disaster recovery from replica to meet a variety of real-world recovery needs

Testing Backup and Replication

- Testing backups and replicas to ensure you can recover, what you need, when you need to
- Configure and setup virtual sandbox environments based on backup, replicas and storage snapshots

Veeam Backup Enterprise Manager and Veeam ONE

- Introduce the concept of monitoring your virtual, physical and cloud environments with Veeam Backup Enterprise Manager and Veeam ONE™

Configuration Backup

- Locate, migrate or restore backup configuration

Introduction

- Describe RTOs and RPOs, what they mean for your business, how to manage and monitor performance against them
- The 3-2-1 Rule and its importance in formulating a successful backup strategy
- Identify key Veeam Availability Suite components and describe their usage scenarios and deployment types
- 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

Ytterligere informasjon:

For mer informasjon eller kursbooking, vennligst ring oss 22 95 66 00

info@globalknowledge.no

www.globalknowledge.com/nb-no/

Grenseveien 90, 0663 Oslo, PO Box 6256 Etterstad, 0606 Oslo, Norway