

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

## Kurzbeschreibung:

The **BR410-EN Veeam ® Backup & Replication™ v12.3: Configure, Manage and Recover** training course is a four-day technical course focused on teaching IT professionals the skills to configure, manage and support a Veeam Backup & Replication v12.3 solution. With extensive hands-on labs, the class promotes situational resiliency in responding to recovery scenarios and enables administrators and engineers to effectively protect and manage data in an ever-changing technical and business environment, bringing tangible benefit to business in the digital world.

This course is based on Veeam Backup & Replication v12.3, part of Veeam Data Platform.

## Zielgruppe:

This course is suitable for anyone responsible for configuring, managing or supporting a Veeam Backup & Replication v12.3 environment.

- Systems Engineers / administrators
- Backup / virtualization administrators
- Pre-sales / post-sales staff
- Solution Architects / Consultants

### Voraussetzungen:

Participants of course **BR410-EN Veeam** <sup>®</sup> **Backup & Replication™ v12.3: Configure, Manage and Recover** should have fundamental IT experience working with networking, servers, storage, cloud, virtualization and operating systems. To get the most out of this course, students should be familiar with the core fundamental concepts of Veeam Backup & Replication through hands-on experience.

This course is the fast track version and requires experience with Veeam.

For newcomers we recommend the 5-day variant **BR418-EN Veeam v12.3 (VMCE) with Storage-Connection.** This course contains the basic course BR410 and enables a more in-depth treatment of the course content as well as additional information and exercises on the topic of storage integration with Veeam.

### Sonstiges:

Dauer: 4 Tage

Preis: 3290 Euro plus Mwst.

Ziele:

After completing the training **BR410-EN Veeam ® Backup & Replication™ v12.3: Configure, Manage and Recover**, participants will be able to:

- Describe Veeam security concepts
- Given a scenario, configure a backup job and a backup copy job

- Explain network-attached storage (NAS) backups and configuration
- Describe Veeam's replication capabilities
- Determine appropriate use case for backups, replicas and/or continuous data protection
- Configure backup infrastructure components, including proxy and repository servers
- Given a scenario, evaluate when and how to apply immutability settings
- Given a scenario, recover data from backups

This workshop allows you to prepare for the Veeam Certified Engineer (VMCE<sup>™</sup>) certification exam.

After successful completion of the course and the exam, you can call yourself a "Veeam Certified Engineer (VMCE)".

You can take the exam after the course at a Pearson VUE test centre. It consists of 50 questions that have to be answered in 75 minutes. You need a score of at least 70% to pass the exam. You can find detailed information about the exam <u>here</u>.

You can take a trial test here.

For further exercises, the LABS are still available 10 working days after the course.



<ul> <li>Data protection strategies         <ul> <li>Preview of key data protection strategies that ensure the safety of your data.</li> <li>Analysis of risks to data</li> <li>O Explore different risk scenarios, what risks do we face daily within our environment?</li> <li>What is protected?</li> <li>O Review of Veam Data Platform and introduction to the class scenario.</li> </ul> </li> <li>Security and protection considerations         <ul> <li>O Decribe strategies and tools to secure the Veeam backup server to avoid unauthorized access and data leaks.</li> <li>Protecting workloads</li> <li>O Efficiently protect VMware and Hyper-V virtual machines based on well-defined SLAs through the creation or backup jobs.</li> <li>Deploying agents</li> <li>O learning the or protection groups to automate the installation of Veeam Agents and protecting workloads with agent backup jobs.</li> <li>Unstructured data backup</li> <li>O List required components and leatures available to protect unstructured data.</li> <li>Optimizing your backups</li> <li>O Analyze features and settings that allow backup storage optimization, faster backups and data consistency.</li> <li>Immutability and hardrend repositories</li> <li>O Describe backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data protection (CDP) policies.</li> </ul> </li> <li>Backup frepositories and additional settings to improve general backup solution performance.</li> <li>Replication</li> <li>O Describe backup data protection the 3-2-1 Rule with backup copy jobs.</li> <li>Long-dem retention</li> <li>O Describe archiverus, jaccement policies, data tiers and management of Scale-out Backup Repository?</li></ul>	Inhalte/Agenda:	
<ul> <li>O Review of key data protection strategies that ensure the safety of your data.</li> <li>O Analysis of risks to data</li> <li>O Explore different risk scenarios, what risks do we face daily within our environment?</li> <li>What is protected?</li> <li>O Review of Veeam Data Platform and introduction to the class scenario.</li> <li>Security and protection considerations</li> <li>O Describe strategies and tools to secure the Veeam backup server to avoid unauthorized access and data leaks.</li> <li>Protecting workloads</li> <li>O Efficiently protect VMware and Hyper-V virtual machines based on well-defined SLAs through the creation or backup jobs.</li> <li>Deploying agents</li> <li>O Identify the use of protection groups to automate the installation of Veeam Agents and protecting workloads with agent backup jobs.</li> <li>Unstructured data backup</li> <li>O List required components and features available to protect unstructured data.</li> <li>Optimizing your backups</li> <li>O Analyze features and settings that allow backup storage optimization, faster backups and data consistency.</li> <li>Immutability and hardened repositories</li> <li>Manual and the optimization</li> <li>O Describe backup data protection machanisms to avoid premature deletion and unwanted modifications. Identify daradensitics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> <li>Backup interstructure optimization</li> <li>O Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> <li>Log-driff referstion</li> <li>O Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> <li>Log-driff referstructure, placement policies, data tiers and management of Scale-out Backup Repositories.</li> <li>O Describe science and backup protection.</li> <li>O Describe to use cases to rive and backup migrations with VeeaMover.</li> <li>O Describe automiseres virtual ma</li></ul>		
<ul> <li>Analysis of risks to data         <ul> <li>Explore different risk scenarios, what risks do we face daily within our environment?</li> <li>What is protected?</li> <li>Review of Veeam Data Platform and introduction to the class scenario.</li> </ul> </li> <li>Security and protection considerations         <ul> <li>Describe strategies and tools to secure the Veeam backup server to avoid unauthorized access and data leaks.</li> <li>Protecting workloads</li> <li>Protecting gents</li> <li>Otelopying agents</li> <li>Ote</li></ul></li></ul>	•	
<ul> <li>© Explore different risk scenarios, what risks do we face daily within our environment?</li> <li>What is protected?</li> <li>Proview of Veeam Data Platform and introduction to the class scenario.</li> <li>Security and protection considerations</li> <li>© Describe strategies and tools to secure the Veeam backup server to avoid unauthorized access and data leaks.</li> <li>Protecting workloads</li> <li>© Efficiently protect Wlware and Hyper-V virtual machines based on well-defined SLAs through the creation or backup jobs.</li> <li>© Deploying agents</li> <li>© Identify the use of protection groups to automate the installation of Veeam Agents and protecting workloads with agent backup jobs.</li> <li>Unstructured data backup</li> <li>© List required components and features available to protect unstructured data.</li> <li>Optimizing your backups</li> <li>© Analyze features and settings that allow backup storage optimization, faster backups and data consistency.</li> <li>Immutability and hardened repositories</li> <li>© Describe backup data protection mechanisms to avoid premature deletion and urwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> <li>Backup infrastructure optimization</li> <li>© Describe backup data additional settings to improve general backup solution performance.</li> <li>Replication</li> <li>© Describe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> <li>Backup Repositories</li> <li>© Describe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> <li>Move and copy backups with VeeaMover</li> <li>© Iderating use asses for Veeam Backup Enterprise Manager.</li> <li>Move and copy backups with Veeamover</li> <li>© Iderating use asses for viscal machine and backup manger.</li> <li>Neakup Repositories.</li>     &lt;</ul>		
<ul> <li>What is protected?</li> <li>Review of Vesam Data Platform and introduction to the class scenario.</li> <li>Security and protection considerations</li> <li>O Describe strategies and tools to secure the Vesam backup server to avoid unauthorized access and data leaks.</li> <li>Protecting workloads</li> <li>O Efficiently protect Wlware and Hyper-V virtual machines based on well-defined SLAs through the creation or backup jobs.</li> <li>Deploying agents</li> <li>O Identify the use of protection groups to automate the installation of Vesam Agents and protecting workloads with agent backup jobs.</li> <li>Unstructured data backup</li> <li>O List required components and features available to protect unstructured data.</li> <li>Optimizing your backups</li> <li>O Analyze features and settings that allow backup storage optimization, faster backups and data consistency.</li> <li>Immutability and hardened repositories</li> <li>O Describe backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> <li>Backup infrastructure optimization</li> <li>O Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> <li>Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> <li>Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> <li>Elackup Repositories.</li> <li>Backup Repositories.</li> <li>O Bescribe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> <li>Moreat datory backups with VeeaMover</li> <li>O Identify Repositories.</li> <li>Moreating Repositories.</li> <li>Moreating Repositories.</li> <li>Moreating Repositories.</li> <li>Moreating Repositories.</li> <li>O Rescribe architecture, placement policies, data tiers and management of Scale-out Backup R</li></ul>	•	•
<ul> <li>O Review of Veeam Data Platform and introduction to the class scenario.</li> <li>Security and protection considerations</li> <li>O Describe strategies and tools to secure the Veeam backup server to avoid unauthorized access and data leaks.</li> <li>Protecting workloads</li> <li>O Efficiently protect VMware and Hyper-V virtual machines based on well-defined SLAs through the creation or backup jobs.</li> <li>Deploying agents</li> <li>O Identify the use of protection groups to automate the installation of Veeam Agents and protecting workloads with agent backup jobs.</li> <li>Unstructured data backup</li> <li>O List required components and features available to protect unstructured data.</li> <li>Optimizing your backups</li> <li>O List required components and features available to protect unstructured data.</li> <li>Optimizing var backups</li> <li>O List required data backup</li> <li>O A data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> <li>Backup infrastructure optimization</li> <li>O Describe backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> <li>Backup infrastructure optimization</li> <li>O Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> <li>Backup Repositories</li> <li>Easer Personality and adhere to the 3-2-1 Rule with backup copy jobs.</li> <li>Long-term retention</li> <li>O Escribe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> <li>Backup Repositories.</li> <li>Move and copy backups with VeeaMover</li> <li>O Identify use cases for vintual machine and backup Enterprise Manager.</li></ul>	•	
<ul> <li>Security and protection considerations         <ul> <li>Describe strategies and tools to secure the Veeam backup server to avoid unauthorized access and data leaks.</li> </ul> </li> <li>Protecting workloads         <ul> <li>Protecting workloads</li> <li>Other the use of protect VMware and Hyper-V virtual machines based on well-defined SLAs through the creation or backup jobs.</li> <li>Deploying agents             <ul> <li>Identify the use of protection groups to automate the installation of Veeam Agents and protecting workloads with agent backup jobs.</li> <li>Unstructured data backup                 <ul> <li>Ist required components and features available to protect unstructured data.</li> <li>Optimizing your backups</li> <li>Analyze features and settings that allow backup storage optimization, faster backups and data consistency.</li> <li>Immutability and hardened repositories</li></ul></li></ul></li></ul></li></ul>	•	
<ul> <li> <sup>1</sup> Describe strategies and tools to secure the Veeam backup server to avoid unauthorized access and data leaks.         <ul> <li>Protecting workloads</li> <li>0 Efficiently protect VMware and Hyper-V virtual machines based on well-defined SLAs through the creation or backup jobs.</li> </ul> </li> <li>Deploying agents         <ul> <li>0 Identify the use of protection groups to automate the installation of Veeam Agents and protecting workloads with agent backup jobs.</li> <li>Unstructured data backup</li> <li>0 List required components and features available to protect unstructured data.</li> <li>Optimizing your backups</li> <li>0 Analyze features and settings that allow backup storage optimization, faster backups and data consistency.</li> <li>Immutability and hardened repositories</li> <li>0 Nearoite backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> </ul> </li> <li>Backup infrastructure optimization         <ul> <li>0 List deployment options and additional settings to improve general backup solution performance.</li> <li>Replication</li> <li>0 Ensure recoverability and achere to the 3-2-1 Rule with backup copy jobs.</li> <li>0 Ensure recoverability and achere to the 3-2-1 Rule with backup copy jobs.</li> <li>0 List different mechanisms for data archiving, including grandfather-father-son retention policies.</li> <li>0 Ensure recoverability and achere to the 3-2-1 Rule with backup copy jobs.</li> <li>0 Long-time techninsms for data archiving, including grandfather-father-son retention policies.</li> <li>0 Ensure recoverability and achere to the 3-2-1 Rule with backup copy jobs.</li> <li>0 E</li></ul></li></ul>	•	
<ul> <li>Ieaks.         <ul> <li>Protecting workloads</li> <li>Ifficiently protect VMware and Hyper-V virtual machines based on well-defined SLAs through the creation of backup jobs.</li> <li>Deploying agents</li> <li>Identify the use of protection groups to automate the installation of Veeam Agents and protecting workloads with agent backup jobs.</li> </ul> </li> <li>Unstructured data backup         <ul> <li>Unstructured data backup</li> <li>Status required components and features available to protect unstructured data.</li> <li>Optimizing your backups                 <ul> <li>Analyze features and settings that allow backup storage optimization, faster backups and data consistency.</li></ul></li></ul></li></ul>	·	
<ul> <li>Protecting workloads         <ul> <li>0 Efficiently protect VMware and Hyper-V virtual machines based on well-defined SLAs through the creation of backup jobs.</li> </ul> </li> <li>Deploying agents         <ul> <li>0 Identify the use of protection groups to automate the installation of Veeam Agents and protecting workloads with agent backup jobs.</li> <li>Unstructured data backup</li> <li>0 List required components and features available to protect unstructured data.</li> <li>Optimizing your backups</li> <li>0 Analyze features and settings that allow backup storage optimization, faster backups and data consistency.</li> <li>Immutability and hardened repositories</li> <li>0 Describe backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data a mutability.</li> </ul> </li> <li>Backupi Infrastructure optimization         <ul> <li>0 List deployment options and additional settings to improve general backup solution performance.</li> <li>Peplication</li> <li>0 Escribe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> </ul> </li> <li>Backupi Copy Jobs         <ul> <li>0 Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> <li>0 List different mechanisms for data archiving, including grandfather-father-son retention policies.</li> <li>Scale-out Backup Repository<sup>machilohy and adhere to the 3-2-1 Rule with backup copy jobs.</sup></li> <li>0 Describe architecture, placement policies, data tiers and management of Scale-out Backup Repository is.</li> <li>0 List different mechanisms for data archiving, including grandfather-father-son retention policies.</li> </ul></li></ul>		-
<ul> <li> <ul> <li>Efficiently protect VMware and Hyper-V virtual machines based on well-defined SLAs through the creation of backup jobs.</li> </ul> </li> <li>Deploying agents         <ul> <li>Identify the use of protection groups to automate the installation of Veeam Agents and protecting workloads with agent backup jobs.</li> <li>Unstructured data backup</li> <li>Unstructured data backup</li> <li>Inmutability and hardened repositories</li> <li>Inmutability and hardened repositories</li> <li>Describe backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> </ul> </li> <li>Backup infrastructure optimization         <ul> <li>Describe backup optimization</li> <li>Escribe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> </ul> </li> <li>Backup copy Jobs         <ul> <li>Backup Repositori/M</li> <li>Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> </ul> </li> <li>Backup Repository<sup>TM</sup></li> <li>Describe use cases architectures and features of replication jobs.</li> <li>Long-term retention</li> <li>Cong-term retention</li> <li>Describe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> </ul> <li>Move and copy backups with VeeaMover         <ul> <li>Obscribe to use cases for virtual machine and backup migrations with VeeaMover.</li> <li>Recovery verification</li> <li>Oreate automated tests to ensure recoverability from backups and replicas.</li> <li>VeeamiBackup Enpositories.</li></ul></li>	•	
<ul> <li>backup jobs.</li> <li>Deploying agents         <ul> <li>Oldentify the use of protection groups to automate the installation of Veeam Agents and protecting workloads with agent backup jobs.</li> <li>Unstructured data backup</li> <li>Olist required camponents and features available to protect unstructured data.</li> <li>Optimizing your backups</li> <li>Ontanuity the said settings that allow backup storage optimization, faster backups and data consistency.</li> <li>Immutability and hardened repositories</li> <li>Obscribe backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> </ul> </li> <li>Backup infrastructure optimization         <ul> <li>Obscribe backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> </ul> </li> <li>Backup infrastructure optimization         <ul> <li>Obscribe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> <li>Backup icopy Jobs             <ul> <li>Obscribe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> <li>Scale-out Backup Repository<sup>™</sup></li> <li>Obscribe architecture, placement policies, data tiers and management of Scale-out Backup Repository<sup>™</sup></li> <li>Obscribe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> <li>Move and copy backups with VeeaMover</li> <li>Obscribe architecture, placement policies, data tiers and replicas.</li> <li>Veeam/Backup Enterprise Manager<!--</td--><td></td><td></td></li></ul></li></ul></li></ul>		
<ul> <li>Deploying agents         <ul> <li>0 Identify the use of protection groups to automate the installation of Veeam Agents and protecting workloads with agent backup jobs.</li> </ul> </li> <li>Unstructured data backup         <ul> <li>0 List required components and features available to protect unstructured data.</li> <li>Optimizing your backups                <ul></ul></li></ul></li></ul>		
<ul> <li>Identify the use of protection groups to automate the installation of Veeam Agents and protecting workloads with agent backup jobs.</li> <li>Unstructured data backup         <ul> <li>List required components and features available to protect unstructured data.</li> <li>Optimizing your backups</li> <li>Analyze features and settings that allow backup storage optimization, faster backups and data consistency.</li> <li>Immutability and hardened repositories</li> <li>Obescribe backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> </ul> </li> <li>Backugi infrastructure optimization         <ul> <li>List deployment options and additional settings to improve general backup solution performance.</li> <li>Replication                 <ul> <li>Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> </ul> </li> <li>Backugi copy Jobs                     <ul> <li>Conscient retention</li> <li>List different mechanisms for data archiving, including grandfather-father-son retention policies.</li> <li>Scale-out Backup Repositories.</li> <li>Move and copy backups with VeeaMover                            O leartify und adhere to backup migrations with VeeaMover.</li> <li>Hercovity verification</li> <li>Vicentification</li> <li>O create automated tests to ensure recoverability from backups and replicas.</li> </ul> </li> <li>VeeamBackup Enterprise Manager         <ul> <li>Obscribe the use cases for Veeam Backup Enterprise Manager.</li> <ul></ul></ul></li></ul></li></ul>	•	
<ul> <li>with agent backup jobs.</li> <li>Unstructured data backup</li> <li>◊ List required components and features available to protect unstructured data.</li> <li><b>Optimizing your backups</b> <ul> <li>◊ Analyze features and settings that allow backup storage optimization, faster backups and data consistency.</li> <li>Immutability and hardened repositories</li> <li>◊ Describe backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> </ul> </li> <li>Backupi infrastructure optimization         <ul> <li>◊ List deployment options and additional settings to improve general backup solution performance.</li> <li>Replication             <ul> <li>◊ Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> </ul> </li> <li>Backupi copy Jobs         <ul> <li>◊ List deployment options for data archiving, including grandfather-father-son retention policies.</li> <li>◊ List different mechanisms for data archiving, including grandfather-father-son retention policies.</li> <li>◊ List deloyme theories.</li> <li>◊ Describe architecture, placement policies, data tiers and management of Scale-out Backup Repository<sup>MM</sup></li> <li>◊ Describe architecture, placement policies, data tiers and replicas.</li> </ul> </li> <li>Wove and copy backups with VeeaMover         <ul> <li>◊ Identify use cases for virtual machine and backup migrations with VeeaMover.</li> <li>◊ Recovery verification</li> <li>◊ Create automated tests to ensure recoverability from backups and replicas.</li> <li>◊ VeeamBackup Enterprise Manager</li> <li>◊ Integrating Veeam Backup and Replication into your</li></ul></li></ul></li></ul>		
<ul> <li>↓ List required components and features available to protect unstructured data.</li> <li>↓ Optimizing your backups         <ul> <li>♦ Analyze features and settings that allow backup storage optimization, faster backups and data consistency.</li> <li>↓ Immutability and hardened repositories</li> <li>♦ Describe backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> </ul> </li> <li>● Backup infrastructure optimization         <ul> <li>● List deployment options and additional settings to improve general backup solution performance.</li> <li>● Replication</li> <li>● Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> <li>● Backup copy Jobs</li> <li>● List different mechanisms for data archiving, including grandfather-father-son retention policies.</li> <li>● Scale-out Backup Repositor)™</li> <li>● Obscribe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> <li>● Move and copy backups with VeeaMover</li> <li>● Odescribe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> <li>● Move and copy backups with VeeaMover</li> <li>● Odescribe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> </ul> </li> <li>● Move and copy backups with VeeaMover</li> <ul> <li>● Odescribe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> </ul> <li>● Move and copy backups with VeeaMover</li> <ul> <li>● Odescribe the use cases for virtual machine and backup migrations with VeeaMov</li></ul></ul>		
<ul> <li>Optimizing your backups         <ul> <li>Analyze features and settings that allow backup storage optimization, faster backups and data consistency.</li> <li>Immutability and hardened repositories                 <ul></ul></li></ul></li></ul>	•	Unstructured data backup
<ul> <li>♦ Analyze features and settings that allow backup storage optimization, faster backups and data consistency.</li> <li>Immutability and hardened repositories</li> <li>♦ Describe backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> <li>■ Backup infrastructure optimization         <ul> <li>♦ List deployment options and additional settings to improve general backup solution performance.</li> <li>Replication             <ul></ul></li></ul></li></ul>		
<ul> <li>Immutability and hardened repositories</li> <li>◊ Describe backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> <li>Backup infrastructure optimization         <ul> <li>◊ List deployment options and additional settings to improve general backup solution performance.</li> </ul> </li> <li>Replication         <ul> <li>◊ Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> </ul> </li> <li>Backup copy Jobs         <ul> <li>◊ Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> <li>Long-term retention             <ul> <li>◊ Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> </ul> </li> <li>Long-term retention             <ul> <li>◊ Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> <li>Long-term retention                 <ul> <li>◊ Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> </ul> </li> <li>Long-term retention                 <ul> <li>◊ Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> </ul> </li> </ul> </li> <li>Ø Coscile architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> <li>Ø Backup Repositories.</li> </ul> </li> <li>Move and copy backups with VeeaMover         <ul> <li>◊ Olentify use cases for virtual machine and backup migrations with VeeaMover.</li> <li>Becovery verification                 <ul> <li>◊ Create automated tests to ensure recoverability from backups and replicas.</li></ul></li></ul></li></ul>	•	
<ul> <li>♦ Describe backup data protection mechanisms to avoid premature deletion and unwanted modifications. Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> <li>Backup infrastructure optimization         <ul> <li>♦ List deployment options and additional settings to improve general backup solution performance.</li> </ul> </li> <li>Replication         <ul> <li>♦ Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> <li>Backup copy Jobs                 <ul> <li>♦ Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> <li>Long-térm retention</li></ul></li></ul></li></ul>		
<ul> <li>Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability.</li> <li>Backup infrastructure optimization         <ul> <li>List deployment options and additional settings to improve general backup solution performance.</li> </ul> </li> <li>Replication         <ul> <li>Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> </ul> </li> <li>Backup copy Jobs         <ul> <li>Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> <li>Long-têrm retention                <ul> <li>List different mechanisms for data archiving, including grandfather-father-son retention policies.</li> <li>Scale-out Backup Repository™                     <ul></ul></li></ul></li></ul></li></ul>	•	
<ul> <li>immutability.</li> <li>Backup infrastructure optimization <ul> <li>List deployment options and additional settings to improve general backup solution performance.</li> </ul> </li> <li>Replication <ul> <li>Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> <li>Backup copy Jobs <ul> <li>Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> </ul> </li> <li>Long-term retention <ul> <li>List different mechanisms for data archiving, including grandfather-father-son retention policies.</li> </ul> </li> <li>Scale-out Backup Repository™ <ul> <li>Describe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> </ul> </li> <li>Move and copy backups with VeeaMover <ul> <li>Other automated tests to ensure recoverability from backups and replicas.</li> </ul> </li> <li>VeeamBackup Enterprise Manager <ul> <li>Othersprise Manager</li> <li>Othersprise Manager<td></td><td></td></li></ul></li></ul></li></ul>		
<ul> <li>Backup infrastructure optimization         <ul> <li>◊ List deployment options and additional settings to improve general backup solution performance.</li> </ul> </li> <li>Replication         <ul> <li>◊ Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> </ul> </li> <li>Backup copy Jobs         <ul> <li>◊ Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> <li>Long-têrm retention                 <ul> <li>◊ List different mechanisms for data archiving, including grandfather-father-son retention policies.</li> <li>Scale-out Backup Repository<sup>™</sup></li></ul></li></ul></li></ul>		
<ul> <li>List deployment options and additional settings to improve general backup solution performance.</li> <li>Replication         <ul> <li>Ø Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> </ul> </li> <li>Backup copy Jobs         <ul> <li>Ø Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> <li>Long-térm retention                 <ul></ul></li></ul></li></ul>		
<ul> <li>Replication         <ul> <li>◊ Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> </ul> </li> <li>Backup copy Jobs         <ul> <li>◊ Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> <li>Long-têrm retention                 <ul></ul></li></ul></li></ul>	•	
<ul> <li>♦ Describe use cases, architectures and features of replication jobs and continuous data protection (CDP) policies.</li> <li>Backup copy Jobs         <ul> <li>♦ Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> </ul> </li> <li>Long-term retention         <ul> <li>♦ List different mechanisms for data archiving, including grandfather-father-son retention policies.</li> </ul> </li> <li>Scale-out Backup Repository™         <ul> <li>♦ Describe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> </ul> </li> <li>Move and copy backups with VeeaMover         <ul> <li>♦ Identify use cases for virtual machine and backup migrations with VeeaMover.</li> <li>Recovery verification             <ul> <li>♦ Create automated tests to ensure recoverability from backups and replicas.</li> <li>Veeam(Backup Enterprise Manager</li> <li>♦ Describe the use cases for Veeam Backup Enterprise Manager.</li> <li>Incident Response Planning             <ul> <li>♦ Integrating Veeam Backup and Replication into your incident response plan.</li> <li>Advanced recovery features</li> <li>♦ Explore some more in-depth recovery features of Veeam Backup and Replication.</li> </ul> </li> <li>Selecting the ideal recovery method</li> <li>♦ What are the implications of different recovery methods and selecting the correct recovery method.</li> </ul> </li> <li>Enacting a recovery         <ul> <li>♦ Get practice in recovering different recovery types with a variety of data types.</li> <li>♥ Malwaré Detection</li> </ul> </li> </ul></li></ul>		
policies. Backu¢ copy Jobs C Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs. Long-térm retention C List different mechanisms for data archiving, including grandfather-father-son retention policies. Scale-out Backup Repository™ C Describe architecture, placement policies, data tiers and management of Scale-out Backup Repositories. Move and copy backups with VeeaMover C Identify use cases for virtual machine and backup migrations with VeeaMover. Recovéry verification C Create automated tests to ensure recoverability from backups and replicas. VeeamBackup Enterprise Manager C Describe the use cases for Veeam Backup Enterprise Manager. Incident Response Planning C Integrating Veeam Backup and Replication into your incident response plan. Advanced recovery features C Explore some more in-depth recovery features of Veeam Backup and Replication. Selecting the ideal recovery method C What are the implications of different recovery methods and selecting the correct recovery method. Enacting a recovery Malware Detection	•	
<ul> <li>Backup copy Jobs         <ul> <li>◊ Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> </ul> </li> <li>Long-térm retention         <ul> <li>◊ List different mechanisms for data archiving, including grandfather-father-son retention policies.</li> <li>Scale-out Backup Repository™             <ul> <li>◊ Describe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> <li>Move and copy backups with VeeaMover                  <ul></ul></li></ul></li></ul></li></ul>		
<ul> <li>♦ Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs.</li> <li>Long-têrm retention         <ul> <li>♦ Lost different mechanisms for data archiving, including grandfather-father-son retention policies.</li> <li>Scale-dut Backup Repository™</li> <li>♦ Describe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> </ul> </li> <li>Move and copy backups with VeeaMover         <ul> <li>♦ Identify use cases for virtual machine and backup migrations with VeeaMover.</li> <li>Recovéry verification                 <ul> <li>♦ Create automated tests to ensure recoverability from backups and replicas.</li> </ul> </li> <li>♦ Describe the use cases for Veeam Backup Enterprise Manager.</li> <ul> <li>♦ Incident Response Planning</li> <li>♦ Integrating Veeam Backup and Replication into your incident response plan.</li> <li>Advanced recovery features</li></ul></ul></li></ul>		•
<ul> <li>Long-térm retention         <ul> <li>↓ List different mechanisms for data archiving, including grandfather-father-son retention policies.</li> </ul> </li> <li>Scale-dut Backup Repository™         <ul> <li>↓ Describe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> </ul> </li> <li>Move and copy backups with VeeaMover         <ul> <li>↓ Identify use cases for virtual machine and backup migrations with VeeaMover.</li> <li>Recovéry verification                 <ul> <li>↓ Identify use cases for virtual machine and backup migrations with VeeaMover.</li> <li>Recovéry verification</li></ul></li></ul></li></ul>	•	
<ul> <li>♦ List different mechanisms for data archiving, including grandfather-father-son retention policies.</li> <li>Scale-out Backup Repository™</li> <li>♦ Describe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> <li>Move and copy backups with VeeaMover</li> <li>♦ Identify use cases for virtual machine and backup migrations with VeeaMover.</li> <li>Recovery verification</li> <li>♦ Create automated tests to ensure recoverability from backups and replicas.</li> <li>Veeam Backup Enterprise Manager</li> <li>♦ Describe the use cases for Veeam Backup Enterprise Manager.</li> <li>Incident Response Planning</li> <li>♦ Integrating Veeam Backup and Replication into your incident response plan.</li> <li>Advanced recovery features</li> <li>♦ Explore some more in-depth recovery features of Veeam Backup and Replication.</li> <li>Steptore some more in-depth recovery methods and selecting the correct recovery method.</li> <li>€ Enacting a recovery</li> <li>♦ Get practice in recovering different recovery types with a variety of data types.</li> <li>Malwarè Detection</li> </ul>	•	
<ul> <li>Scale-dut Backup Repository™         <ul> <li>Describe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> </ul> </li> <li>Move and copy backups with VeeaMover         <ul> <li>Identify use cases for virtual machine and backup migrations with VeeaMover.</li> <li>Recovery verification                <ul> <li>Create automated tests to ensure recoverability from backups and replicas.</li> </ul> </li> <li>Veeam/Backup Enterprise Manager                     <ul></ul></li></ul></li></ul>	•	
<ul> <li>O Describe architecture, placement policies, data tiers and management of Scale-out Backup Repositories.</li> <li>Move and copy backups with VeeaMover         <ul> <li>Identify use cases for virtual machine and backup migrations with VeeaMover.</li> <li>Recovery verification                <ul> <li>Create automated tests to ensure recoverability from backups and replicas.</li> </ul> </li> <li>Veeam@Backup Enterprise Manager                     <ul></ul></li></ul></li></ul>	•	
<ul> <li>Backup Repositories.</li> <li>Move and copy backups with VeeaMover <ul> <li>◊ Identify use cases for virtual machine and backup migrations with VeeaMover.</li> </ul> </li> <li>Recovery verification <ul> <li>◊ Create automated tests to ensure recoverability from backups and replicas.</li> </ul> </li> <li>Veeam Backup Enterprise Manager <ul> <li>◊ Describe the use cases for Veeam Backup Enterprise Manager.</li> </ul> </li> <li>Incident Response Planning <ul> <li>◊ Integrating Veeam Backup and Replication into your incident response plan.</li> </ul> </li> <li>Advanced recovery features <ul> <li>◊ Explore some more in-depth recovery features of Veeam Backup and Replication.</li> </ul> </li> <li>Selecting the ideal recovery method <ul> <li>◊ What are the implications of different recovery methods and selecting the correct recovery method.</li> </ul> </li> <li>Enacting a recovery <ul> <li>◊ Get practice in recovering different recovery types with a variety of data types.</li> <li>Malware Detection</li> </ul> </li> </ul>	•	
<ul> <li>Move and copy backups with VeeaMover         <ul> <li>Identify use cases for virtual machine and backup migrations with VeeaMover.</li> </ul> </li> <li>Recovery verification         <ul> <li>Create automated tests to ensure recoverability from backups and replicas.</li> <li>Veeam Backup Enterprise Manager                <ul> <li>Describe the use cases for Veeam Backup Enterprise Manager.</li> <li>Incident Response Planning                 <ul> <li>Integrating Veeam Backup and Replication into your incident response plan.</li> <li>Advanced recovery features                     <ul> <li>Explore some more in-depth recovery features of Veeam Backup and Replication.</li> </ul> </li> <li>Selecting the ideal recovery method                     <ul> <li>What are the implications of different recovery methods and selecting the correct recovery method.</li> <li>Enacting a recovery</li></ul></li></ul></li></ul></li></ul></li></ul>		
<ul> <li>◊ Identify use cases for virtual machine and backup migrations with VeeaMover.</li> <li>Recovery verification         <ul> <li>◊ Create automated tests to ensure recoverability from backups and replicas.</li> <li>Veeam(Backup Enterprise Manager</li></ul></li></ul>	•	
<ul> <li>Recovery verification         <ul> <li>Create automated tests to ensure recoverability from backups and replicas.</li> </ul> </li> <li>Veeam Backup Enterprise Manager         <ul> <li>Describe the use cases for Veeam Backup Enterprise Manager.</li> <li>Incident Response Planning                <ul> <li>Integrating Veeam Backup and Replication into your incident response plan.</li> <li>Advanced recovery features                     <ul> <li>Explore some more in-depth recovery features of Veeam Backup and Replication.</li> </ul> </li> <li>Selecting the ideal recovery method                     <ul> <li>What are the implications of different recovery methods and selecting the correct recovery method.</li> <li>Enacting a recovery                         <ul> <li>Get practice in recovering different recovery types with a variety of data types.</li> <li>Malware Detection</li> </ul> </li> </ul> </li> </ul></li></ul></li></ul>		
<ul> <li>Oreate automated tests to ensure recoverability from backups and replicas.</li> <li>Veeam Backup Enterprise Manager         <ul> <li>Describe the use cases for Veeam Backup Enterprise Manager.</li> <li>Incident Response Planning                <ul> <li>Integrating Veeam Backup and Replication into your incident response plan.</li> </ul> </li> <li>Advanced recovery features                 <ul> <li>Explore some more in-depth recovery features of Veeam Backup and Replication.</li> </ul> </li> <li>Selecting the ideal recovery method                     <ul> <li>What are the implications of different recovery methods and selecting the correct recovery method.</li> <li>Enacting a recovery                          <ul></ul></li></ul></li></ul></li></ul>	•	
<ul> <li>Veeam Backup Enterprise Manager         <ul> <li>Describe the use cases for Veeam Backup Enterprise Manager.</li> </ul> </li> <li>Incident Response Planning         <ul> <li>Integrating Veeam Backup and Replication into your incident response plan.</li> </ul> </li> <li>Advanced recovery features         <ul> <li>Advanced recovery features</li> <li>Explore some more in-depth recovery features of Veeam Backup and Replication.</li> </ul> </li> <li>Selecting the ideal recovery method         <ul> <li>What are the implications of different recovery methods and selecting the correct recovery method.</li> </ul> </li> <li>Enacting a recovery         <ul> <li>Get practice in recovering different recovery types with a variety of data types.</li> <li>Malware Detection</li> </ul> </li> </ul>		
<ul> <li>Obscribe the use cases for Veeam Backup Enterprise Manager.</li> <li>Incident Response Planning         <ul> <li>Integrating Veeam Backup and Replication into your incident response plan.</li> </ul> </li> <li>Advanced recovery features         <ul> <li>Advanced recovery features</li> <li>Explore some more in-depth recovery features of Veeam Backup and Replication.</li> </ul> </li> <li>Selecting the ideal recovery method         <ul> <li>What are the implications of different recovery methods and selecting the correct recovery method.</li> </ul> </li> <li>Enacting a recovery         <ul> <li>Get practice in recovering different recovery types with a variety of data types.</li> <li>Malware Detection</li> </ul> </li> </ul>	•	
<ul> <li>Incident Response Planning         <ul> <li>Integrating Veeam Backup and Replication into your incident response plan.</li> </ul> </li> <li>Advanced recovery features         <ul> <li>Advanced recovery features</li> <li>Explore some more in-depth recovery features of Veeam Backup and Replication.</li> </ul> </li> <li>Selecting the ideal recovery method         <ul> <li>What are the implications of different recovery methods and selecting the correct recovery method.</li> </ul> </li> <li>Enacting a recovery         <ul> <li>Get practice in recovering different recovery types with a variety of data types.</li> <li>Malware Detection</li> </ul> </li> </ul>		
<ul> <li>Advanced recovery features         <ul> <li>Advanced recovery features</li> <li>Explore some more in-depth recovery features of Veeam Backup and Replication.</li> </ul> </li> <li>Selecting the ideal recovery method         <ul> <li>What are the implications of different recovery methods and selecting the correct recovery method.</li> </ul> </li> <li>Enacting a recovery         <ul> <li>Get practice in recovering different recovery types with a variety of data types.</li> <li>Malware Detection</li> </ul> </li> </ul>	•	
<ul> <li>Explore some more in-depth recovery features of Veeam Backup and Replication.</li> <li>Selecting the ideal recovery method         <ul> <li>What are the implications of different recovery methods and selecting the correct recovery method.</li> <li>Enacting a recovery                <ul></ul></li></ul></li></ul>		<ul> <li>Integrating Veeam Backup and Replication into your incident response plan.</li> </ul>
<ul> <li>Selecting the ideal recovery method         <ul> <li>Vhat are the implications of different recovery methods and selecting the correct recovery method.</li> </ul> </li> <li>Enacting a recovery         <ul> <li>O Get practice in recovering different recovery types with a variety of data types.</li> <li>Malware Detection</li> </ul> </li> </ul>		<ul> <li>Advanced recovery features</li> </ul>
<ul> <li>What are the implications of different recovery methods and selecting the correct recovery method.</li> <li>Enacting a recovery         <ul> <li>Get practice in recovering different recovery types with a variety of data types.</li> </ul> </li> <li>Malware Detection</li> </ul>		
<ul> <li>Enacting a recovery</li> <li> <ul> <li></li></ul></li></ul>	•	<b>o ,</b>
<ul> <li>♦ Get practice in recovering different recovery types with a variety of data types.</li> <li>♦ Malware Detection</li> </ul>		
Alware Detection	•	
<ul> <li>Using Veeam's malware detection capabilities</li> </ul>	•	
		<ul> <li>Vising Veeam's malware detection capabilities</li> </ul>