Szkolenie: HPE

Veeam Backup & Replication v13: Configure, Manage, and Recover

DOSTĘPNE TERMINY

2026-06-29 | 4 dni | Warszawa / Wirtualna sala *(Termin gwarantowany)*
2026-09-14 | 4 dni | Warszawa / Wirtualna sala

Cel szkolenia:

The Veeam® Backup & Replication™ v13: Configure, Manage, and Recover training course is a technical course focused on teaching IT professionals the skills to configure, manage and support a Veeam Backup & Replication v13 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 v13, part of Veeam Data Platform.

This course is approximately 60% lecture and 40% lab activities.

Audience

This course is suitable for anyone responsible for configuring, managing, or supporting a Veeam Backup & Replication v13 environment as well as IT professionals across various roles, including:

- Backup administrators
- Disaster recovery specialists
- System engineers
- Technical support staff
- IT administrators
- Cloud administrators
- Cybersecurity professionals
- Compliance officers
- Monitoring specialists
- Reporting analysts
- Security teams

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Objectives

After completing this course, you should be able to:

- Articulate Veeam's data protection strategy
- Explain the role of each of Veeam's core components
- Configure and manage the Veeam Software Appliance
- Given a scenario, configure a backup job, and backup copy job
- Protect physical servers with Veeam agents
- Configure unstructured data backup jobs (NAS/SMB shares, etc.)
- Describe Veeam's replication capabilities
- Determine appropriate use case for backups, replicas, and continuous data protection
- Ensure backup recoverability by leveraging SureBackup and immutable repositories
- Describe Veeam security concepts and how to implement within the product
- Configure malware detection and explain how to remediate
- Given a scenario, recover data from backups for VMs, agents and applications
- Articulate the enterprise products Veeam has developed plug-ins for
- Describe how monitoring, reporting, and alerting function
- Implement the enterprise manager
- Explain how to perform basic troubleshooting procedures and how to work with support

Plan szkolenia:

- Module 1: Data Protection Strategies
  - Review of key data protection strategies that ensure the safety of your data
- Module 2: Analysis of Risks to Data
  - Explore different risk scenarios, what risks do we face daily within our environment?
- Module 3: What Is Protected?
  - Review of Veeam data platform and introduction to the class scenario
- Module 4: Security and Protection Considerations
  - Describe strategies and tools to secure the Veeam backup server to avoid unauthorized access and data leaks
- Module 5: Protecting Workloads
  - Efficiently protect VMware and Hyper-V virtual machines based on well-defined SLAs through the creation of backup jobs
- Module 6: Deploying Agents
  - Identify the use of protection groups to automate the installation of Veeam Agents and protecting workloads with agent backup jobs

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- Module 7: Unstructured Data Backup
  - List required components and features available to protect unstructured data
- Module 8: Optimizing Your Backups
  - Analyze features and settings that allow backup storage optimization, faster backups, and data consistency
- Module 9: Backup Copy Jobs
  - Ensure recoverability and adhere to the 3-2-1 Rule with backup copy jobs
- Module 10: Immutability and Hardened Repositories
  - Identify characteristics and deployment steps of Linux Hardened Repositories to achieve backup data immutability
- Module 11: Backup Infrastructure Optimization
  - List deployment options and additional settings to improve general backup solution performance
- Module 12: Replication
  - Describe use cases, architectures, and features of replication jobs and continuous data protection (CDP) policies
- Module 13: Long-Term Retention
  - List different mechanisms for data archiving, including grandfather-father-son retention policies
- Module 14: Scale-Out Backup Repository™
  - Describe architecture, placement policies, data tiers, and management of scale-out backup repositories
- Module 15: Move and Copy Backups with VeeaMover
  - Identify use cases for virtual machine and backup migrations with VeeaMover
- Module 16: Recovery Verification
  - Create automated tests to ensure recoverability from backups and replicas
- Module 17: Veeam Backup Enterprise Manager
  - Describe the use cases for Veeam Backup Enterprise Manager
- Module 18: Incident Response Planning
  - Integrating Veeam Backup and Replication into your incident response plan
- Module 19: Advanced Recovery Features
  - Explore some more in-depth recovery features of Veeam Backup and Replication
- Module 20: Selecting the Ideal Recovery Method
  - What are the implications of different recovery methods and selecting the correct recovery method
- Module 21: Enacting a Recovery
  - Get practice in recovering different recovery types with a variety of data types
- Module 22: Malware Detection

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- Using Veeam's malware detection capabilities
- Module 23: Post-Incident Processes
  - Investigate post-incident activities
- Module 24: Enterprise Plugins
  - Learn which plug-ins Veeam currently supports and how they work
- Module 25: Monitoring, Alerting, and Reporting
  - Discover how to run reports and understand backup job status summaries
- Module 26: Troubleshooting
  - Understand the basics of troubleshooting Veeam issues and how to resolve with support
- Module 27: Veeam Calculators
  - Where to find them and an intro on how to utilize
- Lab 1: Accessing Veeam Backup Software
  - Lab 1.1: Accessing Veeam Backup Console UI and Web UI
  - Lab 1.2: Configuring domain users
- Lab 2: Securing Veeam Backup Server
  - Lab 2.1: Securing the Veeam backup server
- Lab 3: Repository Setup and Configuration
  - Lab 3.1: Creating a scale-out backup repository
- Lab 4: Protecting Virtual Machines
  - Lab 4.1: Adding servers to Veeam backup software
  - Lab 4.2: Creating Hyper-V backup jobs
- Lab 5: Veeam Agent Backup Capabilities
  - Lab 5.1: Automating the deployment of Veeam Agent
  - Lab 5.2: Protecting physical workloads
- Lab 6: Unstructured Data Backup Capabilities
  - Lab 6.1: Preparing Veeam infrastructure for file share backups
  - Lab 6.2: Protecting file share workloads
- Lab 7: Second Site Backup and Backup Management
  - Lab 7.1: Creating an object storage repository via PowerShell
  - Lab 7.2: Creating a backup copy job
  - Lab 7.3: Exporting backups to another repository
- Lab 8: Building Replication Capabilities
  - Lab 8.1: Working with replication jobs
- Lab 9: Configuring Malware Detection Options
  - Lab 9.1: Configuring malware detection options
- Lab 10: Immutable Backup Repositories

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- Lab 10.1: Deploying a Veeam hardened repo
- Lab 10.2: Deploying an immutable object storage
- Lab 10.3: Creating an immutable scale-out backup repository (SOBR)

- Lab 11: Testing Virtual Machine Backups
  - Lab 11.1: Create a SureBackup job to verify backups
- Lab 12: Application Items Recovery
  - Lab 12.1: Performing a Microsoft SQL Server instant database recovery
  - Lab 12.2: Restoring an active directory user
- Lab 13: Recovering a Guest OS File
  - Lab 13.1: Restoring a guest operating system file
  - Lab 13.2: Restoring a guest operating system file with disk publishing
- Lab 14: Full Virtual Machines Recovery
  - Lab 14.1: Recovering a virtual machine with Instant Recovery
  - Lab 14.2: Recovering a virtual machine with full VM recovery and quick rollback
- Lab 15: Restoring a Physical Machine from an Agent Backup
  - Lab 15.1: Performing a bare metal recovery of a Windows physical machine from an Agent backup
  - Lab 15.2: Performing an instant VM recovery of a Linux physical machine from an Agent backup
- Lab 16: Restoring from a Replica
  - Lab 16.1: Disaster failover and failback to production
  - Lab 16.2: Working with replica failover plans
  - Lab 16.3: Executing a planned failover
- Lab 17: Restoring from a File Share Backup
  - Lab 17.1: Recovering a file share folder from backup
  - Lab 17.2: Restoring an entire file share with instant file share recovery
- Lab 18: Working with Veeam Backup Enterprise Manager
  - Lab 18.1: Connecting the backup server with Veeam Backup Enterprise Manager
  - Lab 18.2: Decrypting an imported encrypted file
  - Lab 18.3: Creating a restore operator user

Wymagania:

Before taking this course, you should:

- Have fundamental IT experience working with networking, servers, storage, cloud, virtualization

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and operating systems

- Be familiar with the core fundamental concepts of Veeam Backup & Replication through hands-on experience

Poziom trudności

Certyfikaty:

This course prepares you for the following certification exam:

- Veeam Certified Engineer (VMCE)

Prowadzący:

Authorized Veeam Trainer

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