



Szkolenie: HPE
Managing Zerto: Setup, Protection, and Recovery



Cel szkolenia:

The Managing Zerto: Setup, Protection, and Recovery course prepares beginner to intermediate Zerto users to deploy, configure, and manage the solution in VMware vSphere® environments. Ideal for hands-on practitioners, the training focuses on core concepts and components with Zerto, including material on the major recovery operations such as failovers, tests, and restores. Hands-on labs are included to give learners firsthand experience with setup and protection, plus instant recovery from ransomware after a simulated infection.

Course objectives

By the end of this class, you should be able to:

- Articulate the top use cases Zerto supports and what architectures are needed for each
- Describe the major Zerto components and how they interoperate
- Install, set up, and configure Zerto in a vSphere environment
- Protect virtual machines replicating locally and to a secondary peer site
- Perform the most common recovery operations, including file restores, failover tests, live failover, and moves

Audience

- Zerto customers
- Zerto partners

Plan szkolenia:

- Zerto Overview
 - Define Zerto platform
 - Explain Zerto platform functionalities
 - Zerto components
 - Architecture
- The Zerto Virtual Manager (ZVM)



- Overview
- Requirements
- Compare Zerto Virtual Manager (ZVM) and Zerto Cloud Appliance (ZCA)
- Installation requirements
- Installation considerations
- Installation options
- Best practices
- Virtual Replication Appliances (VRAs)
 - Define Virtual Replication Appliances (VRA)
 - Virtual Replication Appliances (VRA) requirements
 - Source and target VRAs
 - Zerto data path
 - VRA cluster deployment
- Journal
 - Journal overview
 - Journal process
 - Elastic Journal overview
 - Journal settings
 - Journal sizing
 - I/O considerations
 - Estimating Journal sizing
 - Checkpoint overview
 - Creating checkpoint
 - Write-order fidelity
- Virtual Protection Groups (VPG)
 - Types of VPGs
 - Process
 - Setting a VPG
 - Creating a VPG
 - One-to-many overview
 - Local continuous backup
 - Effective cloud utilization
 - VPG replication prioritization overview
 - VPG replication prioritization in GUI
- Zerto Replication
 - Replication types



- Zerto Virtual Replication (ZVR) syncs overview
- Initial sync workflow
- Initial sync details
- Continuous data protection workflow
- Continuous data protection details
- Bitmap sync workflow
- Bitmap sync details
- Delta sync workflow
- Delta sync details
- Long-term Retention (LTR)
 - Overview
 - Architecture
 - LTR with Amazon S3
 - LTR with Microsoft Azure
 - LTR repository
 - LTR disk object map
 - LTR process
 - LTR scale-out-write
 - Continuous data protection (CDP) with LTR
 - LTR scale-out-read
 - Index and search overview
 - Index and search architecture
 - Recovery with LTR
 - LTR use cases
 - Data protection workflows
 - Disaster recovery and backup
 - Immutability overview
 - Tiering overview
 - HPE StoreOnce overview
 - HPE StoreOnce and Zerto
- Zerto Analytics (ZA)
 - Zerto Analytics overview
 - Zerto Analytics secure architecture
 - Zerto Resource Planner overview
 - Zerto Resource Planner requirements
 - Zerto Resource Planner process



- Using Zerto Resource Planner
- Recovery Operations: Restores
 - Recovery operations overview
 - Recovery operations key concepts
 - Scratch disks
 - Commit policies
 - Reserve protection
 - Restore from Journal
 - Instant virtual machine (VM) recovery
 - Instant file and folder restore
- Recovery Operations: Test Failover
 - Overview
 - Process
 - Recovery report
 - Test failover uses
 - Scratch disk
 - Overview
 - Size and location
 - Failover test
 - Failover live and move
- Recovery Operations: Live Failover
 - Overview
 - Prerequisites
 - Parameters
 - Process
 - Commit policy
 - Overview
 - Example
 - None
 - Auto-commit
 - Auto-rollback
 - Considerations
 - Virtual machine (VM) shutdown overview
 - Reserve protection overview
- Recovery Operations: Move
 - Overview



- Move parameters
 - Commit policy
 - Force shutdown
 - Reserve protection
 - Keep source virtual machines (VM)s
- Move process
- Lab 1: Express Installation
- Lab 2: License and Pair Zerto Sites
- Lab 3: Virtual Replication Appliance Installation on Each Host
- Lab 4: Create a Virtual Protection Group
- Lab 5: Use Zerto Analytics to Review and Monitor Protection
- Lab 6: Failover Test
- Lab 7: Recovery Reports
- Lab 8: Create One Last Virtual Protection Group
- Lab 9: Copy a Virtual Protection Group
- Lab 10: Create a Preseeded Virtual Protection Group
- Lab 11: Create a Locally Protected VPG
- Lab 12: Edit a Virtual Protection Group and Add a VM
- Lab 13: Restore Files and Folders
- Lab 14: Failover Test
- Lab 15: Perform a Live Failover
- Lab 16: Perform a Move Operation

Wymagania:

No prior Zerto experience is required. The class assumes familiarity with VMware vSphere® and virtualization technologies.

Poziom trudności



Certyfikaty:

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



Prowadzący:

Authorized HPE Trainer.