

Managing Zerto: Setup, Protection, and Recovery H61K2S

HPE course number	H61K2S
Course length	2 days
Delivery mode	ILT, VILT
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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 Zerto's core concepts and components, including the major recovery operations such as failovers, tests, and restores. Hands-on labs are included to give learners firsthand experience with setup and protection.

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Audience

- Zerto customers
- Zerto partners

Prerequisites

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

Course objectives

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

- Articulate the top use cases for Zerto and the architectures needed for each
- Describe the major Zerto components and how they interoperate
- Install, setup, 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

Detailed course outline

Module 1: Zerto Overview	<ul style="list-style-type: none"> • Introduction to Zerto • Primary use cases 	<ul style="list-style-type: none"> • Core technology and differentiators
Module 2: Zerto Virtual Manager (ZVM)	<ul style="list-style-type: none"> • ZVM overview • ZVM specifications and prerequisites 	<ul style="list-style-type: none"> • Sizing and security hardening • Installation
Module 3: Virtual Replication Appliances (VRAs)	<ul style="list-style-type: none"> • VRA overview • VRA resources: compute, memory, networking, and storage 	<ul style="list-style-type: none"> • Deployment and setup
Module 4: Architectures	<ul style="list-style-type: none"> • Basic on-premises architecture • Operational recovery architecture • Disaster recovery (DR) architecture 	<ul style="list-style-type: none"> • DR with long-term retention architecture • Operational recovery and DR architecture
Module 5: Journal	<ul style="list-style-type: none"> • Role of the journal • Basic data path 	<ul style="list-style-type: none"> • Sizing and settings
Module 6: Zerto Replication	<ul style="list-style-type: none"> • Diving deeper on data path • Checkpoints and write-order fidelity 	<ul style="list-style-type: none"> • Initial, continuous, bitmap, and delta syncs
Module 7: Virtual Protection Groups (VPGs)	<ul style="list-style-type: none"> • Role of VPGs • VPG types and creation • VM auto-protection 	<ul style="list-style-type: none"> • VPG prioritization • One-to-many replication
Module 8: Long Term Retention (LTR)	<ul style="list-style-type: none"> • Overview of LTR • Structure of LTR repositories 	<ul style="list-style-type: none"> • LTR read and write flows • Index and search
Module 9: Zerto Analytics and Monitoring	<ul style="list-style-type: none"> • Overview of Zerto analytics • Zerto reports 	<ul style="list-style-type: none"> • Zerto analytics architecture • Resource planner
Module 10: File and VM Restores	<ul style="list-style-type: none"> • File restore process and considerations 	<ul style="list-style-type: none"> • VM restore process and considerations
Module 11: Recovery Concepts	<ul style="list-style-type: none"> • Scratch disks • Commits and commit policies 	<ul style="list-style-type: none"> • Reverse protection • VM shutdown options
Module 12: Recovery Operations: Failover Test	<ul style="list-style-type: none"> • Test overview • Failover test process 	<ul style="list-style-type: none"> • Additional use cases
Module 13: Recovery Operations: Live Failover	<ul style="list-style-type: none"> • Failover overview 	<ul style="list-style-type: none"> • Failover process
Module 14: Recovery Operations: Move	<ul style="list-style-type: none"> • Move overview • Move process 	<ul style="list-style-type: none"> • Move parameters • Comparison: move vs failover

Module 15: Recovery Operations: Clone

- Clone overview
- Clone process
- Recap of recovery operations

Module 16: Course Wrap-Up

Detailed lab outline

Exercise 1: Introduction to HPE Virtual Labs

Exercise 2: Express Install

Exercise 3: License and Pair Zerto Sites

Exercise 4: VRA Installation

Exercise 5: Create a Virtual Protection Group

Exercise 6: Using Zerto Analytics

Exercise 7: Create a Local Virtual Protection Group

Exercise 8: Copy a Virtual Protection Group

Exercise 9: Edit a Virtual Protection Group

Exercise 10: Restore Files and Folders

Exercise 11: Failover Test

Exercise 12: Perform a Live Failover

Exercise 13: Perform a Move Operation

Exercise 14: Create a Long Term Retention Repository

Exercise 15: Create the LTR Search Index

Exercise 16: Edit a Virtual Protection Group to Enable Long Term Retention

Exercise 17: Restore a VM

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