

What's New in Zerto 2024

Since our original launch, Zerto, a Hewlett Packard Enterprise company, has grown far beyond VMware. We've extended to, from, and within native cloud platforms on AWS and Azure. As IT environments have become increasingly hybrid, stretching across cloud and on-premises, we have protected these architectures with best-of-breed, continuous data protection and recovery.

Building on our track record of innovation, in 2024 we focused on improving Zerto solutions in three primary areas: security, performance at scale, and improved cloud integrations. Let's look at the highlights of product improvements in 2024.

Zerto for VMware

With Zerto 10, Zerto moved to a new Linux-based virtual appliance for the Zerto Virtual Manager. This Zerto Virtual Manager Appliance (ZVMA) was more secure and easier to manage, but we knew we could make it even more secure and more efficient in 2024. Here are the highlights:

- **Support on VMware for UEFI Secure Boot with VAIO**—Zerto can replicate VMs that are using Secure Boot, and Zerto is now deployed with a certified VMware Installation Bundle (VIB).
- **Journal storage optimized** for efficiency through compression that allows the same storage capacity to store more recovery points.
- **ZVMA resource utilization optimized** to run more efficiently with fewer resources. It now requires a minimum of 6 vCPUs and 16GB of RAM with 8GB RAM reserved.
- **Resynchronization enhanced** in scenarios where rebooting appliances can delay resynchronizing. We refactored to allow replication to resume faster.
- **Offline updates** to the ZVMA are now available offline for secure, disconnected environments.
- **Multi-site ZVMA deployment** allows you to define all the initial ZVMA deployment and configuration settings in the command line interface and run it for multiple sites to deploy ZVMAs to multiple sites with ease.

Zerto for Azure

Zerto for Azure is a popular solution for protecting to, from, and within Azure VM. In 2023, we rearchitected Azure to scale out using Virtual Replication Appliances (VRAs) like our Zerto for VMware architecture. In 2024, we continued to improve on this architecture with Azure integrations, security improvements, and scalability. Here are the highlights for 2024:

- **Secure offline updates** for the Zerto Cloud Appliance (ZCA) for disconnected network environments.
- **Azure encrypted volumes and key vault support** allow Zerto to protect Azure encrypted volumes by using a Platform Managed Key (PMK) or Customer Managed Keys (CMKs) assigned from the Azure Key Vault.
- **Faster recovery and migration to Azure** by auto-preparing Linux VMs with automatic setup of drivers and network settings, eliminating manual setup steps.
- **Consolidation of legacy ZCAs** using a new tool that automatically replaces redundant ZCAs with VRAs to convert old architectures to newer, more scalable architecture.

Zerto for AWS

Our customers use Zerto for AWS to protect workloads to and from AWS as part of their hybrid cloud data protection strategies. Following the architectural improvements for Zerto for Azure, we did the same for Zerto for AWS. Zerto focused on working closely with AWS to provide better performance and data consistency, integrating these improvements into the new architecture framework. Here are the highlights for Zerto for AWS in 2024:

- **New Zerto for AWS architecture** including a new Linux-based ZCA and a Linux-based VRA make the architecture more scalable, more secure, and easier to manage. This new architecture is accompanied by a tool for converting legacy ZCAs to new ZCA and VRA appliances.
- **Enhanced VM-level consistency** by working closely with AWS to create the necessary APIs for multi-disk consistency and replication performance, whether protecting within AWS or from AWS to another platform.
- **Faster RTO to AWS** by deploying VMs with IO2 volume types. This improves the speed of recovery an average of 25% faster and then converts the volumes back to IO1 for reduced cost running in recovery mode.

Zerto In-Cloud for AWS

Our customers running production VMs in AWS know the importance of protecting those VMs from cyberattacks and possible regional outages. With Zerto In-Cloud for AWS, Zerto makes protecting VMs at scale with automation and orchestration easy. For 2024, we made a wide range of improvements, integrating more deeply with AWS to provide more functionality, automation, and enhanced security. Here are the highlights for Zerto In-Cloud for AWS:

Reverse replication—For more seamless full recovery options, reverse replication can now be configured to automatically replicate back to the selected region after failover to the recovery site. This update helps data recover more quickly to the original production site.

- **Recovery across accounts** is now possible with an AWS account in one region replicating to a separate AWS account in another region or Availability Zone.
- **Roles and key pairs for VMs** can be configured in Zerto In-Cloud at the virtual protection group (VPG) level or the individual VM level. The individual VM settings always supersede the VPG settings during recovery.
- **CloudFormation StackSets** can now be deployed for a ZicTrustRole in Zerto In-Cloud member accounts, with or without an external ID.
- **Customer-managed keys (CMKs)** are now managed by Zerto for enhanced security for each managed AWS account.
- **Zerto analytics integration** with Zerto In-Cloud to provide a better organizational view that shows new managed account topologies for indicating deployment in AWS regions.
- **Amazon EC2 tags** are fully supported for VPGs and preserved when failed over and back between regions in AWS.

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Free on-demand labs

Find out more at www.zerto.com.

About Zerto

Zerto, a Hewlett Packard Enterprise company, empowers customers to run an always-on business by simplifying the protection, recovery, and mobility of on-premises and cloud applications. Zerto eliminates the risk and complexity of modernization and cloud adoption across private, public, and hybrid deployments. The simple, software-only solution uses continuous data protection at scale to solve for ransomware resilience, disaster recovery, and multi-cloud mobility. Zerto is trusted by over 9,500 customers globally and is powering offerings for Amazon, Google, IBM, Microsoft, and Oracle and more than 350 managed service providers. www.zerto.com

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