

# Zerto In-Cloud for AWS

## Disaster Recovery at Scale for Amazon Elastic Compute Cloud (EC2) Instances

Zerto, a Hewlett Packard Enterprise company, expanded its leading disaster recovery (DR) capability to Amazon EC2 instances that need protection across AWS Regions, Availability Zones, and accounts. Zerto In-Cloud for AWS brings a simple, scalable, and efficient native DR solution to Amazon EC2 workloads born in or migrated into the cloud. Since 2015, Zerto's industry-leading DR solution has protected on-premises virtual machines to AWS, but new DR orchestration capability now extends protection for customers using AWS as both a source and a target site. API centric management allows Zerto In-Cloud to be easily integrated into the automation tool of your choice (e.g., Ansible, Jenkins, and Terraform) to make DR part of your automated management strategy. Built for scale, Zerto In-Cloud for AWS protects thousands of instances across accounts with speed of recovery, simplicity, and with no agents to manage. With Zerto DR for Amazon EC2 instances, you can count on your AWS workloads staying protected wherever they go.

### How It Works

The Zerto In-Cloud Manager is a Linux-based virtual appliance that works with the Amazon DynamoDB and Amazon Elastic Block Store (EBS) to automate snapshots and replication for EC2 instances across all associated accounts. The Zerto In-Cloud Manager is stateless, able to reside in any AWS Region, and can be quickly redeployed into another zone or region if needed. Only a single Zerto In-Cloud Manager appliance is needed for management regardless of how many EC2 instances are protected.

Zerto In-Cloud coordinates Amazon EBS snapshots and replication to protect instances across regions. In the event of a regional outage, disaster, or ransomware attack, your data and applications are protected to a separate region or zone to be brought online again quickly.

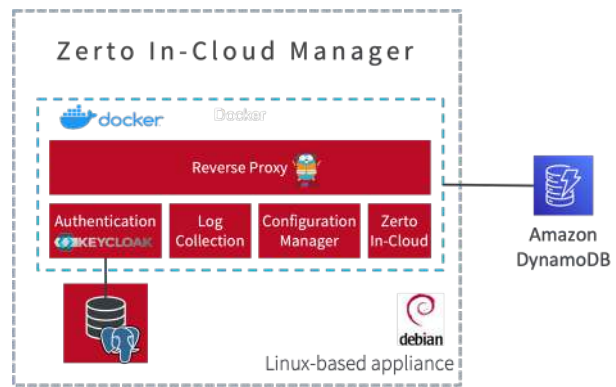


Figure 1  
The Zerto In-Cloud Manager is a Linux-based virtual appliance that provides management, orchestration, and automation for protection of Amazon EC2 instances across AWS Regions, Availability Zones, and accounts.

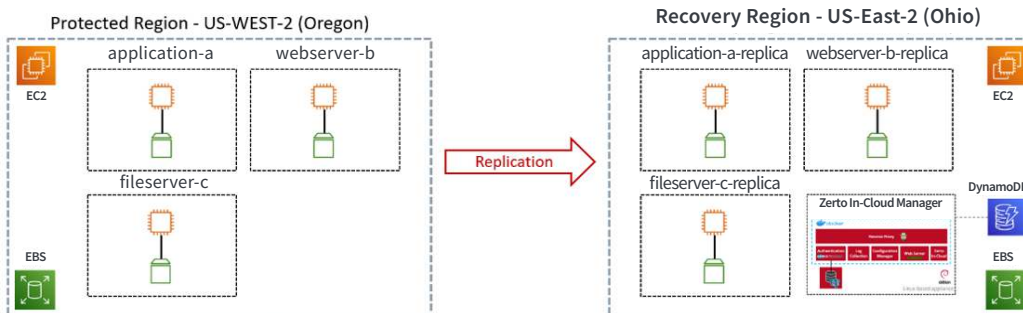


Figure 2  
Using EBS snapshots and native AWS replication, Zerto In-Cloud protects Amazon EC2 instances from local and regional outages and other potential disasters.

Applications—as well as the instances on which they run in Amazon EC2—are protected in Virtual Protection Groups (VPGs) that coordinate replication and recovery across the entire application group. This application-centric approach to protection means entire applications are restored with consistency and write-order fidelity. Analytics, included in the offering, provide insights and reports on recovery time objectives (RTOs) and recovery point objectives (RPOs) for your VPGs.

## Features and Benefits



**Scalability:** The Zerto In-Cloud agentless, native integration approach enables easy scaling to protect 1000+ workloads, promoting resilience for enterprises of all sizes in Amazon EC2. Whether you have one AWS account or hundreds, you can easily orchestrate protection across your organization.



**Nondisruptive Failover Testing:** Zerto In-Cloud automation and orchestration allows for nondisruptive failover testing of all instances in an AWS Region or Availability Zone to validate recovery plans and readiness when an outage or disaster strikes.



**Orchestration:** Zerto In-Cloud automates protection of EC2 instances, eliminating the need for excessive, manual, and error-prone steps to execute recovery plans. Failover and failover testing features are then automated for scalability and simplicity.



**Speed of Recovery:** Using native protection and replication capabilities in AWS with Zerto automation and orchestration, Zerto In-Cloud protects thousands of Amazon EC2 instances for recovery within minutes across AWS Regions or Availability Zones.



**Flexible Management:** A complete REST API is at the forefront of Zerto In-Cloud management, so it can be easily integrated with other management systems and combined with other automation and integration solutions.



**Stateless Management:** The Zerto In-Cloud Manager appliance runs from any AWS Region and can be quickly redeployed to another region in the event of an outage to recover and manage workloads.



**Application Groups:** Zerto In-Cloud allows you to protect and recover large complex applications like SAP. Its orchestration enables application-centric VPGs to recover applications as a single entity to another region or availability zone.



**Simplicity:** Using native, agentless AWS integration, rather than creating another layer of software across AWS, Zerto In-Cloud takes advantage of Amazon EBS snapshots and native AWS replication. Analytics provide you with insights and reports on RTO and RPO.

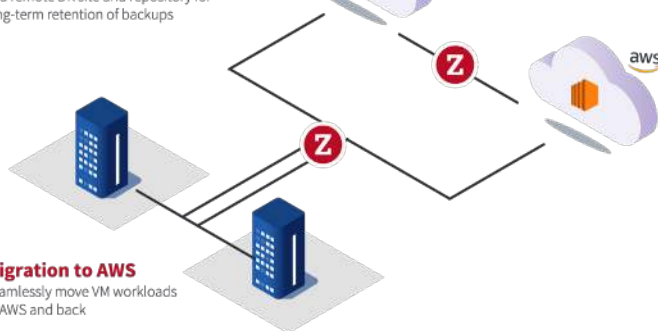
### Disaster Recovery and Backup to AWS

Protect data and applications with AWS as a remote DR site and repository for long-term retention of backups



### Disaster Recovery within AWS

Orchestrated protection at scale for organizations running production workloads in Amazon EC2



### Migration to AWS

Seamlessly move VM workloads to AWS and back

Zerto In-Cloud is part of the Zerto cloud data management and protection solution converging ransomware resilience, disaster recovery and data mobility. Zerto empowers customers to run an always-on business by simplifying the protection, recovery, and mobility of on-premises and cloud applications.

[Try Zerto Free](#)

[Read Solution Brief](#)

Protect your AWS workloads wherever they go, at scale, with Zerto In-Cloud. The industry's leading DR solution now brings automation and orchestration, nondisruptive testing, speed, stateless management, flexibility, and mobility to your virtualized environments in AWS. Learn more in the AWS Marketplace today.



Available in  
AWS Marketplace

**Zerto-in-Cloud is now available in the AWS Marketplace**



## 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. [www.zerto.com](http://www.zerto.com)

Copyright 2023 Zerto. All information may be subject to change.