



# Zerto Data Protection

## Continuous Backup and Long-Term Retention

Organizations are striving for 24/7 availability. Reducing downtime and data loss are critical for a competitive advantage. The ability to instantly recover and restore data is a key component of a successful IT strategy. Yet traditional outdated backup tools are unable to meet the data protection needs of the modern enterprise.

Zerto Data Protection (ZDP), based on the foundation of continuous data protection (CDP), uses unique journaling technology and enables enterprises to protect both their mission-critical applications as well as lower tier applications for continuous backup and long-term retention. Journal-based backup offers an alternative to snapshot copies:

- **For day-to-day backup restores**, ZDP allows you to ensure business continuity and recover without the data loss, downtime or production impact that are inherent with traditional backup solutions
- **For long-term retention** required for compliance and regulatory demands where data needs to be stored for months and years, data is incrementally copied from the journal into cost-effective storage on-premises or in the cloud, driving cost optimization and elimination of problematic backup windows

## One Solution for Disaster Recovery and Data Protection

Zerto enables you to protect all applications based on their criticality and recovery needs. For mission critical workloads, you can use Zerto's full disaster recovery and data protection offering to protect and recover all applications. For the rest of your virtual environment that only requires backup and long-term retention, you can use Zerto Data Protection (ZDP) to protect, retain and restore data for years. ZDP is priced for backup only workloads and delivers:

- Continuous backup with journal-based recovery
- Instant file and folders restore with local journal to production
- Long-term retention in the public cloud, object storage and Purpose-Built Backup Appliances (PBBA)
- Retention policies, daily incremental with weekly, monthly or yearly fulls
- Intelligent index and search
- Data protection workflows
- Application consistent recovery

### SOLUTION HIGHLIGHTS

#### No Snapshots

No more periodic snapshots or nightly backups. Recover from checkpoints only seconds apart.

#### RPO of seconds

Drastically improve your recovery SLAs using continuous data protection

#### Install in minutes

Easily install Zerto into any enterprise environment without downtime

#### Software-only

No appliances, agents or vendor lock-in

#### Instant restores

Quickly restore files and folders back to production

## Zerto Data Protection Capabilities

### Continuous Data Protection

- **Thousands of restore points**, seconds apart, to recover applications with no production impact instead of snapshot that are copies hours apart
- **Application consistent recovery** for quick recovery of multi-VM applications for accelerated RTOs
- **Instant Journal-based recovery** for granular, seamless and instant recovery of critical backup data

### Freedom of Infrastructure

- **Software only and scale-out architecture** allowing you to easily install, manage and scale regardless of your infrastructure
- **Cloud-ready architecture** with to freely move backup workloads from on-premises to the public cloud
- **One-to many replication** delivering multiple copies if needed, on-premises or in the cloud

### Data versatility

- **Single, simple recovery experience.** Use the same Zerto implementation for backup, then extend to disaster recovery, migrations, and more
- **Reuse data for test/dev.** Easily spin up isolated sandbox environments that only differ from their production counterparts by minutes to use for test & dev, patch/upgrade validation, or security scans

### Complete Visibility

- **Built-in analytics** provides unparalleled multi-site visibility, including a mobile app for monitoring SLAs
- **Live data protection reporting across** all resources and restore operations ensures you have the right data, right when you need it for compliance & auditing or performance analysis

## TECHNICAL DETAILS

### Data Protection Platforms

- VMware vSphere 6.0 and higher
- Microsoft Hyper-V 2016 and higher\*
- VMware on Public Cloud
  - Azure VMware Solution
  - Google Cloud VMware Engine
  - Oracle Cloud VMware Solution

### Supported Cloud Management Systems

- VMware vCloud Director 9.1 and higher

### Supported Guest OS

Zerto supports protection and recovery of any guest OS that is supported by the underlying solution.

### Long-term retention – Supported repositories

#### Generic storage:

- NFS v3
- SMB 2.0 and up

#### Purpose-built backup appliances:

- Dell EMC DataDomain
- ExaGrid
- HPE StoreOnce (NFS, SMB, Catalyst API)
- Other Deduplicated targets

#### Public Cloud:

- Microsoft Azure Storage Blobs
- AWS S3

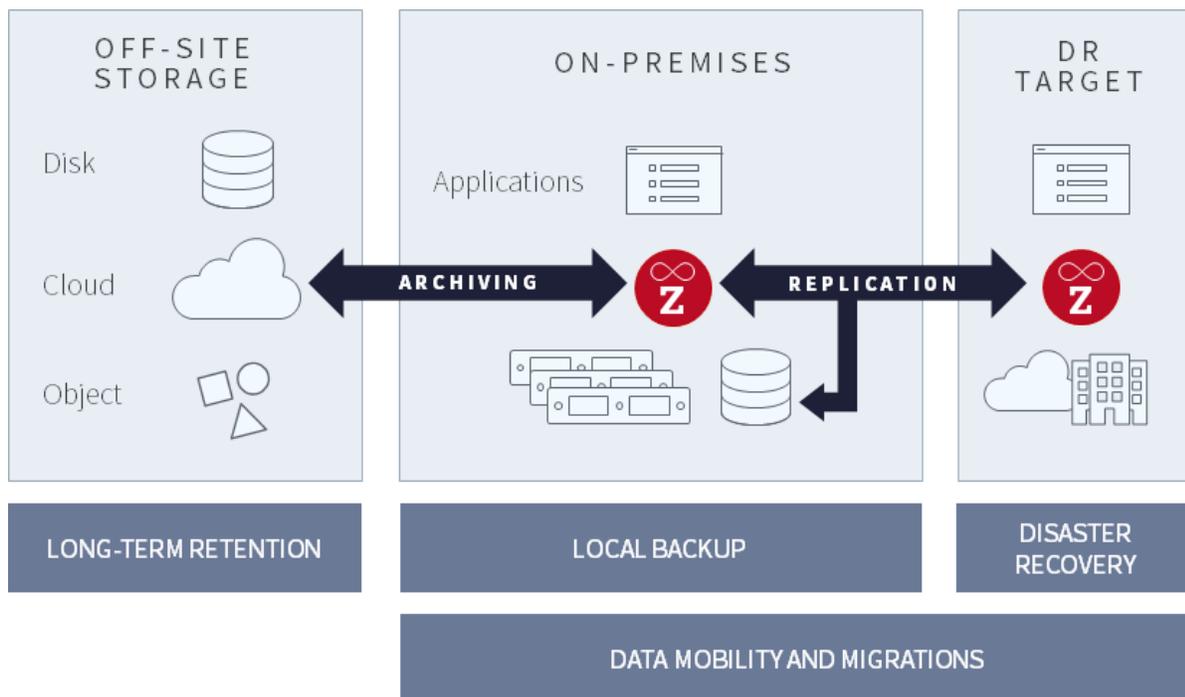
### File Level Restore & Indexing – Supported File Systems

NTFS, EXT2, EXT3, EXT4

## How it works

Zerto's scale-out architecture ensures enterprise-class protection of your environment no matter the size with:

- Scale-out Replication Appliances with built-in WAN optimization, encryption, and Quality-of-Service that replicates each change in real time to the target journal. It also copies the data from the journal to the long-term retention repositories.
- The management server integrates with the hypervisor management platform of choice. Its intuitive interface orchestrates user-initiated operations with simplicity. In public clouds, an all-in-one cloud appliance combines the management and replication components and integrates natively, using cost-efficient storage offerings, APIs, and cloud scaling features.



### 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's cloud data management and protection solution eliminates the risks 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 converge disaster recovery, backup, and data mobility. Zerto is trusted by over 9,500 customers globally and is powering offerings for Microsoft Azure, IBM Cloud, AWS, Google Cloud, Oracle Cloud, and more than 350 managed service providers. [www.zerto.com](http://www.zerto.com)

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