# Real-Time Replication (Beta) For VMware

Disasters come in many forms, from natural disasters to cyberattacks and system failures. Still, they all have one thing in common – the potential to disrupt your operations and threaten your data.

The Real-Time Replication (Beta) for VMware functionality allows you to create real-time replicas of VMware VMs, continuously updated with source VM changes. With RPOs as low as 1 second, you can ensure the continuous availability of critical data and near-zero downtime.

Whatever the incident, instantly failover to your replicas to maintain essential services and operations.

## BENEFITS

### ≥ 1 SECOND
recovery point objective

### ≤ 5 MINUTES
recovery time objective

### 2X FASTER
with I/O filter technology

### 49%
lower TCO than other vendors

### 4.8 STARS
rating for saving time and money

## Key capabilities – Uninterrupted protection for critical workloads

**Fast, incremental replication**
Create incremental VMware VM replicas using I/O filter technology that intercepts and manipulates VM's I/O. Only changed data since the last replication is sent to the target site, reducing data transfer time and saving storage space efficiently.

**Continuous protection**
Ensure your VMware vSphere replicas stay current with real-time updates as changes are made to source VMs with an update rate as low as 1 second.

**Instant failover**
Failover to your replicas almost instantly during a failure or incident for the shortest RTOs and minimal data loss during failover scenarios.

**Tight recovery targets**
Select a replica from a series of increments as low as 1 second apart to restore workloads to the point in time just before the disruption.
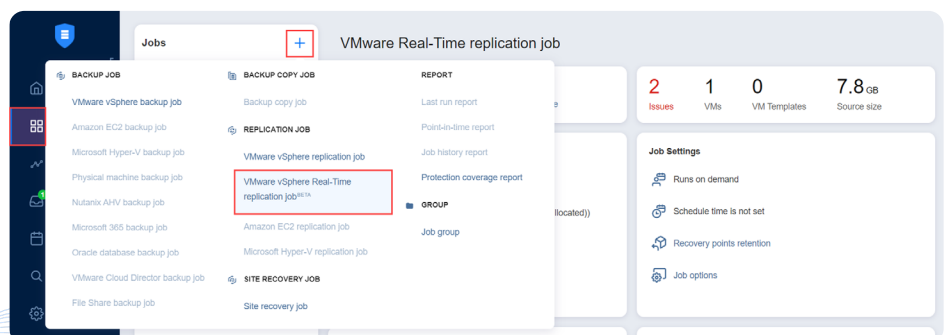
**Onsite / Offsite storage**
Maintain replicas either onsite for immediate access or send them to a secondary location for large-scale disruptions recovery.

**Storage optimization**
Reduce storage space and object processing time by excluding unused blocks and blocks occupied by deleted files when processing source objects.

**Efficient management**
Simplify managing Real-Time Replication for VMware jobs with easy controls and streamlined procedures.

## Why you need Real-Time Replication (Beta) for VMware

### Data loss/corruption
Natural disasters, hardware failures, human errors, or software glitches can lead to data loss or corruption, which in turn impact businesses' ability to operate efficiently.

### Downtime costs
Downtime resulting from system failures or natural disasters can disrupt operations and cause financial losses and damage to the organization's reputation.

### Cybersecurity threats
Cyberattacks, including ransomware and malware, constantly threaten data security and cause data breaches, loss, or unauthorized access.

### Network outages
Outages can prevent data from being accessible to employees and customers, affecting productivity and service delivery.

### Regulatory and legal compliance
Failure to comply with industry regulations for data protection and retention can result in legal consequences and fines.

## Streamline operational resilience with NAKIVO

### Meet shortest RTOs and RPOs
Ensure that downtime and data loss are kept to a minimum to keep operations running in the event of a disaster, be it natural, accidental or even after cyber attacks.

### Achieve swift disaster recovery
Swiftly restore operations after system failures or disasters – Near-zero downtime and data loss.

### Ensure high availability
Maintain uninterrupted access to critical data and applications, thus enhancing system reliability.

### Enhance ransomware protection
In case a ransomware virus attack has compromised your system, promptly fail over to your clean replicas and resume operations as usual.

### Streamline system migration
Move VMs and associated data to new locations without compromising data integrity, simplifying data center or cloud migrations.

### Maintain operational continuity
Integrate Real-time replication (Beta) for VMware into your DR strategy, including backup, regular replication and automated failover to power on replicas instantly in case of disruptions or disasters.

## Ready to get started?

**DOWNLOAD FREE TRIAL**  **BOOK FREE DEMO**

## Recognized by customers across industries

**2022 Gartner©
Magic Quadrant™**
Honorable Mention in Enterprise Backup and Recovery Solutions Category

> ❞ *NAKIVO saved us a significant amount of time and money. The solution is **4X faster**, works without errors, and took just 15 minutes to set up and deploy. NAKIVO Backup & Replication provides **ease of use and peace of mind** for our business.*
>
> Cameron Rezvani,
> Senior Systems Engineer at Orange Coast Title Company

> ❞ *The solution helped us **reduce backup time by 50%**. We **improved recovery times by 70%** with instant VM recovery and granular recovery features.*
>
> Jesus Alfonso Rangel Diaz,
> IT Coordinator, Foxconn BC

> ❞ *With Flash VM Boot, the school can instantly recover full VMware VMs. With NAKIVO Backup & Replication, I can **recover VMware VMs within 10 minutes**. With data deduplication, we were able to **decrease storage space by 80%**.*
>
> Matt Mitchell,
> Web Developer at SEHD,
> the University of Colorado Denver.