



Resilio Connect: Real-time Replication for Disaster Recovery

Achieve RTOs in minutes and sub-five-second RPOs for warm and hot site DR—using any storage and any cloud.

Introduction

Data-driven organizations trust Resilio to resiliently protect and rapidly replicate files for warm and hot site disaster recovery (DR), in real-time. [Resilio's DR solution](#) spans any location—across multiple on-prem data centers and cloud regions—using your choice of servers and storage.

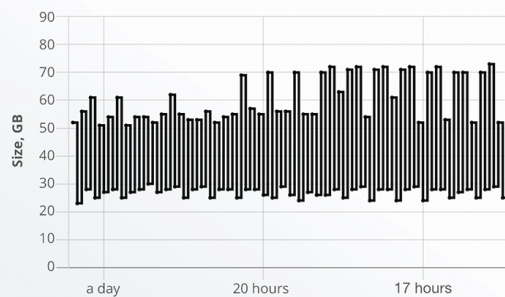
Conventional solutions may be sufficient for basic off-site backup and active-passive “cold site” recovery. But when higher levels of availability and data protection are required—across two or more locations—Resilio has you covered.

Resilio's low latency, real-time file replication protects files of any type to meet sub-five-second RPOs (Recovery Point Objectives) and RTOs (Recovery Time Objectives) within minutes of an outage.



BYTES TRANSFERRED • LAST 24 HOURS

Total bytes transferred
10.3 TB



Use Cases

- #1 Bidirectional (Two-way) Replication and Sync: Replicate and sync files between two or more sites across any distance to meet RPOs and RTOs for DR.
- #2 Omni-directional Replication and Sync: Replicate files in any direction in real-time or on a schedule: one-to-many, many-to-one, or many-to-many.
- #3 Active-Active High Availability: Enable fast failover and load-balancing within and across data centers—including any global cloud region for hot site DR.
- #4 Cross-Zone and Cross-Region Replication for leading cloud providers. Sync files across cloud regions and zones using your provider of choice.
- #5 DR for the Edge: Protect files across distributed devices, branch offices and remote locations using any network connection—from dialup and cell to VSAT to LTE/5G to WiFi to high speed broadband.

Most Common Challenges

- Traditional active-passive HA and offsite backup solutions fail to meet demanding RPOs and RTOs for warm and hot site DR.
- Conventional tools are constrained by a schedule and hub-and-spoke architectures. Example: if replication occurs every 15 minutes, RPO can be no greater than 15 minutes.
- Only a single source can replicate to a single target.

Other Challenges Include:

- **Files out of sync:** File changes not fully synchronized leading to data loss.
- **Poor scalability:** File systems containing millions of files not fully synchronized.
- **File size limitations.** Restrictions on file sizes prevent synchronizing large files.
- **Downtime** negatively impacts users productivity and data availability.
- **Poor performance over WANs** leads to data loss and longer recovery times.
- **Lack of management visibility** wastes valuable time for IT and drives up support costs.

Solution



Resilio's highly resilient, peer-to-peer (P2P) architecture eliminates single points of failures to protect files in production environments in the event of an outage. Organizations may use any type of servers, storage, on-prem data center or cloud.



Resilio Connect agents are installed on each server participating in file delivery jobs such as Distribution, Consolidation, Scripting, and Synchronization. Jobs are controlled through a central management console. Administrators assign and control agents, manage users, create and run jobs, control bandwidth allocations, and deploy job instructions across the organization.



Optionally, all functions can be completely automated using Resilio's complete API set and scripting capabilities.

Benefits: Why Resilio?

Resilio empowers you to meet your organization's high availability and Disaster Recovery (DR) goals by eliminating single points of failure (SPOFs) and resiliently replicating files in real-time.



Efficiently replicate changes in real-time

When a file changes, only the changed portion of the file is synchronized. Replication jobs are fast, reliable, and efficient and propagated within seconds. And Resilio's proprietary WAN optimization protocol maintains speed and predictability across any network and distance.



Resilience and HA keeps your business running

Resilio's P2P architecture eliminates SPOFs and dynamically routes replication jobs around failures. File replication is non-stop to keep your business running 24x7. Reduce recovery times to minutes to meet RTOs and keep files in sync within seconds to meet RPOs.



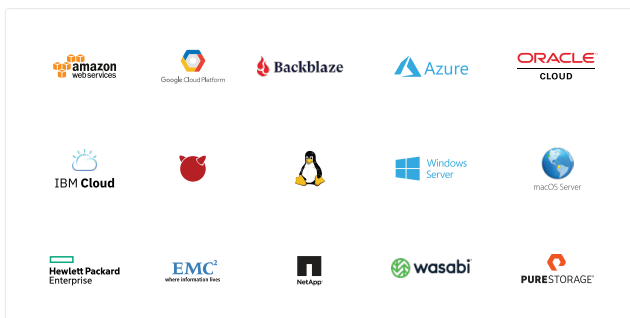
Scale-out performance on-demand

Replicate and sync up to 100s of millions of files of any size and type. To increase performance, simply increase bandwidth and add endpoints. Performance scales with bandwidth—and as more sites are included in replication jobs—Resilio enables scale-out replication in any direction, from two-way to N-way.



Use any cloud—and any storage

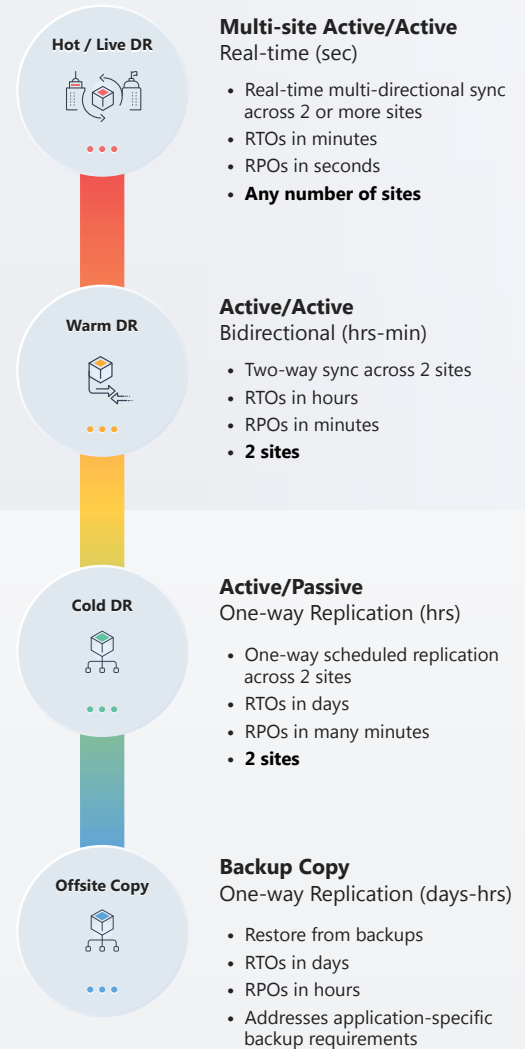
Run agents on popular operating systems and clouds—and work with any type of storage: on-prem DAS, NAS, SAN or any type of cloud storage. Avoid vendor lock-in; and support sites with different storage requirements. Or keep files in your choice of on-prem or multi-hybrid cloud.



Automate, monitor, and visualize all management

Centrally control, monitor, and visualize all file replication, globally. Optionally, all server sync functions can be easily automated through the command-line via job scripting and APIs. One [Resilio customer saves 14 hours per week](#). Monitor the status of all jobs and diagnose problems in real-time. Receive notifications via email and Webhooks.

Multi-site Replication & DR Strategies with Resilio Connect



"From a DR perspective, we likely **saved \$8.6 million** in remote access to our graphics-intensive 3D workstations"

Head of IT, Fortune 500 Construction & Engineering company



Register an Opportunity or Become a Partner

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