



Data Protection for Remote Offices and Remote Employees

In today's highly distributed business world, companies are operating more satellite offices and hiring more remote employees far away from the corporate data center—and spending about 32% of the total budget to support them. Remote offices make the preferred IT strategy of centralized data management challenging, especially since many remote offices are sales outposts without local IT staff, and some are just an employee's home office. The simple truth is that all IT tasks need to be performed remotely. And that's not so simple without tools designed specifically for remote offices and remote employees.

Protect Remote Server Data with Atempo HyperStream Server™

Atempo HyperStream Server is a module of Atempo Time Navigator™ that shortens backup windows and decreases the storage required on backup devices. As servers are backed up, Atempo HyperStream Server deduplicates and compresses the data to reduce the transmitted volume to a level acceptable for low bandwidth connections. Backups that once took hours can be reduced to minutes, allowing remote offices to share the central backup infrastructure.

With Atempo, automatic full and incremental backups can be scheduled and monitored centrally from the data center, while end users can “time navigate” to restore files themselves. Atempo HyperStream Servers can be deployed at remote offices and replicated at the data center, ensuring data availability when the primary fails.

Protect Laptop and Desktop Data with Atempo Live Backup™

Atempo Live Backup continuously and automatically protects employee data on laptops and desktops. File changes are saved locally as they occur, then are transmitted to a central backup server when the machine is re-connected. The backup data is deduplicated and compressed so there's no performance impact on end users or on the network. While the setup and monitoring is managed centrally by IT at the data center, end users can recover files without IT assistance.

Key Features & Benefits

Scalable to hundreds of users and dozens of servers

- Block-level deduplication reduces network traffic and storage required
- Optional compression for greater savings
- No impact on users during backups

Manage remote office operations from headquarters

- Remote backups can be centrally administered
- All backup data can be preserved centrally on long-term media

Self-service restore

- Users can restore files without training or IT assistance
- Users can choose file versions from different points in time

Enterprise-class server backup

- Replicated configurations for failover
- Failover server at data center can support multiple remote offices
- Supports Exchange, SharePoint and other business critical applications

Real-time CDP for laptops and desktops

- Backs up changed files as they are written, even when disconnected
- Full system rollback and bare-metal disaster recovery

Atempo for Remote, Branch and Home Offices

Atempo products protect all data outside the corporate data center—from mail and file servers at remote offices to remote workers' laptops—while managing the backup data and operations from headquarters.

Enterprise Configurations

Remote Offices

Atempo HyperStream Server allows remote offices that support servers to efficiently manage backup data and operations from the main data center. Because the backup data is deduplicated, Atempo HyperStream Server can be installed at the data center and data from all the remote office servers can be backed up to it from across the WAN. With Atempo, there can be one less remote server for you to manage.

Remote offices that have a large number of servers or have greater data requirements may choose to install the Atempo HyperStream Server locally. A LAN-based

Atempo HyperStream Server lets you backup and restore even when a data center connectivity loss occurs and gives you the speed of a local, disk-based backup device.

For desktops and laptops, Atempo Live Backup can back up employee data to a server either at the remote office or at the main data center. For extra protection, Atempo HyperStream Server can back up the Atempo Live Backup repository as well so that a simple hardware failure does not mean backup data loss.

Branch Offices

For branch offices with primarily desktops and laptops and a few servers, no local backup servers are required at all. Branch office servers can be backed up to a shared Atempo HyperStream Server at the data center or nearby remote office. If the number of servers or the amount of backup data increases, a dedicated local Atempo HyperStream Server can be installed at the branch office later.

Similarly, branch office desktops and laptops can be protected by an Atempo Live Backup server at the data center or a larger remote office, even one at a different location than the Atempo HyperStream Server. With Atempo, you have the flexibility to configure the optimal solution based on your particular needs.

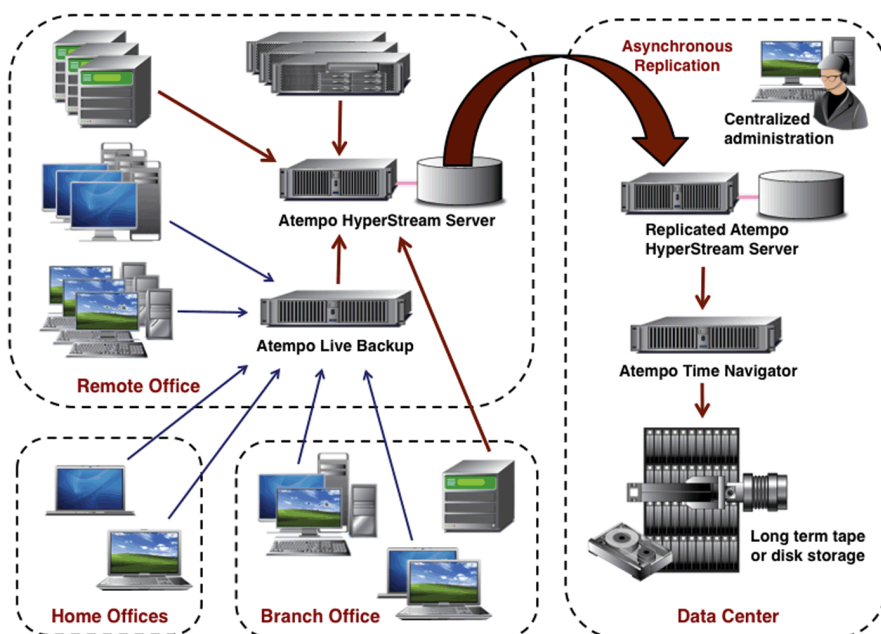
At the Data Center

With Atempo, all operations—from installation to administration to long-term or offsite storage—can be centrally monitored and managed. From the data center, you can schedule remote backups and restore files to remote machines independent of the backup server location.

To preserve the backup data on long-term or off-site media such as tape, you can migrate the information stored on the Atempo HyperStream Server disk storage to tape using Atempo Time Navigator at the data center. The Atempo Live Backup repository can also be protected using Atempo Time Navigator.

To improve backup service availability, you can also replicate the Atempo HyperStream Servers installed at each remote site to a central Atempo HyperStream Server at the data center. If a remote office Atempo HyperStream Server experiences an outage, the service will fail over to its replica at the data center so your backups can continue as scheduled.

With a replicated Atempo HyperStream Server at the data center, your remote office can have the fast backup and restore performance provided by an on-site Atempo HyperStream Server, while still allowing you to centrally maintain backup data on long-term or off-site backup media.



An Enterprise Configuration with Atempo for Remote, Branch and Home Offices

Small and Medium Business Configurations

Main Office

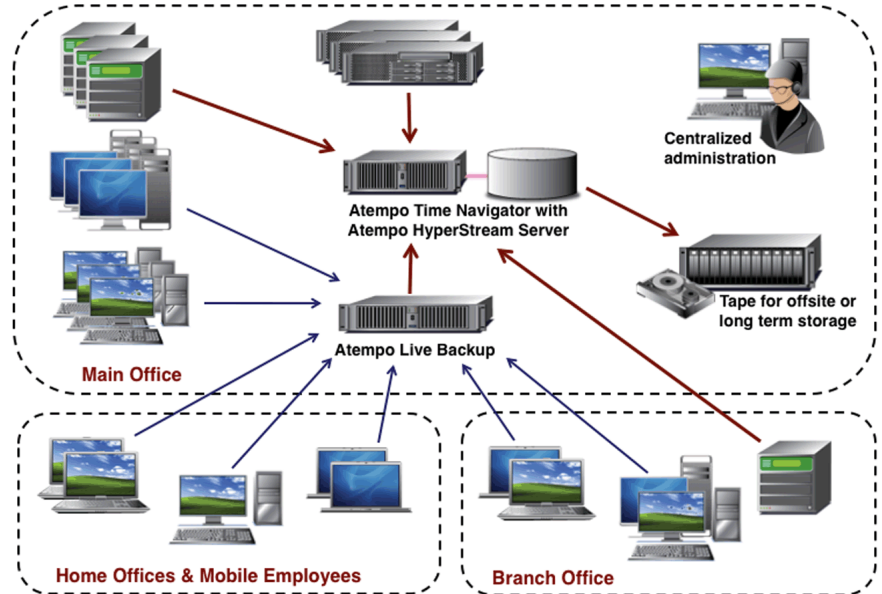
For smaller organizations with a main office and a few branch offices, you can support backup services for all machines at the main office. A single Atempo HyperStream Server can back up the main office servers as well as any file, print and other servers at the branch offices. For laptop and desktop data, a single Atempo Live Backup server can protect employees regardless of their location, even when they're traveling.

To preserve the backup data on long-term or off-site media such as tape, you can install Atempo Time Navigator at the main office and migrate the information stored on Atempo HyperStream Server to tape. Atempo Time Navigator can be installed on the same machine as Atempo HyperStream Server without impacting backup windows.

Branch Offices

For branch offices that have primarily desktops and laptops and few, if any, servers, Atempo allows the backup infrastructure to remain at the main office, and allows all operations to be centrally managed and monitored there as well.

An Atempo Live Backup server at the main office can protect all desktops and laptops at the main, remote or home offices or even on the road, while an Atempo HyperStream Server at the main office can protect remote office file, print or other servers. With Atempo, no backup servers need to be installed outside the main office and no IT staff needs to be onsite at the branch office to install or maintain the backup service.



A Small and Medium Business Configuration with Atempo for Remote, Branch and Home Offices

Home Offices & Mobile Employees

Atempo Live Backup makes it easy to protect desktops and laptops in home offices and for mobile employees. A single Atempo Live Backup server can support thousands of employees. For very large installations, you simply install multiple instances of Atempo Live Backup and group the laptops and desktops to the closest backup server.

Employee data is protected even when laptops are disconnected from the network. Changed files are backed up on the laptop itself as changes occur, and are later transmitted to the Atempo Live Backup server when the laptop is re-connected.

IT staff can deploy Atempo Live Backup to remote machines without going onsite or bringing the laptops in for service. Monitoring, account management and other administrative tasks can be performed

centrally through the Atempo Live Backup Reporting Center by IT staff at the main data center. Plus, through the Atempo Live Backup restore interface, end users can restore lost data within minutes, without any help from IT.

Atempo

About Atempo

Atempo enables organizations to protect, manage, archive, and recover digital information simply and effectively, across any infrastructure, on any platform, over any period of time. Atempo's portfolio of integrated software solutions simplifies the management of data throughout its entire lifecycle. Atempo serves thousands of customers around the world through a sales and support network of over 200 resellers and partners.

Learn more at www.atempo.com