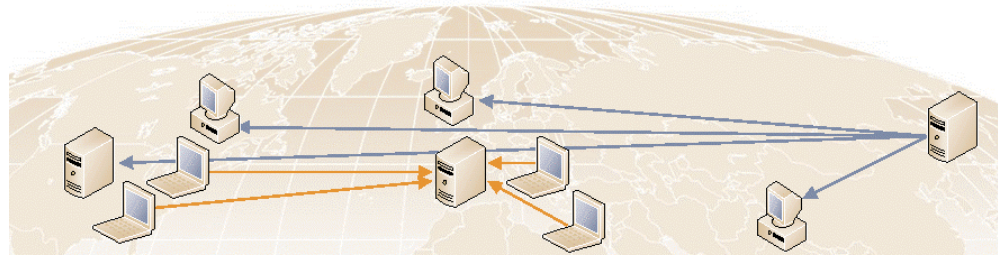


EMC FullTime RepliStor



Protecting against data loss and ensuring fast restoration after outages in Windows environments

The Big Picture

- Provides server-based asynchronous, real-time, byte-level replication of files, directories, volumes, shares, and registry keys from source to target systems for Windows environments running on LANs or WANs
- Performs locally and remotely in one-to-one, one-to-many, and many-to-one configurations, providing multiple levels of data recovery, distribution, and consolidation
- Protects data by providing a remote, consistent copy at all times
- Ensures data recovery with Microsoft VSS, EMC® CLARiON® SnapView™, and custom script integration
- Supports any storage device; does not require proprietary hardware
- Reduces remote office expenses—hardware, media, and administration—by replicating data to a central location for backup
- Minimizes data and application downtime and increases user productivity with automated server failover to a remote target

Ongoing business viability

EMC FullTime RepliStor® provides server-based local and remote asynchronous replication for Microsoft Windows environments. RepliStor replicates files, directories, volumes, shares, and registry keys—on a schedule or in real time—from a source system to a target system or systems using TCP/IP connectivity, regardless of data location. RepliStor operates over local area network (LAN) and wide area network (WAN) connections as well as across Windows domains. It does not require proprietary or specialized hardware and can be installed and administered remotely from any RepliStor client on your network.

RepliStor is a reliable, low-cost business continuance solution providing data replication, data recovery, data migration, centralized backup, and failover of server identity and applications. If a server fails, RepliStor ensures users stay connected to their applications and data at the secondary location.

Continuous data protection

RepliStor keeps your business productive during an outage, minimizing data loss and increasing recoverability. Protection goes beyond nightly backup to tape. Real-time data replication with RepliStor increases Windows server uptime and reliability and protects against data loss in Microsoft Exchange, SQL Server, Internet Information Services (IIS), Print Services, and other Windows files. After initially synchronizing the data, RepliStor replicates any file (or key) changes to one or more target systems continuously or on a scheduled basis.

Fast data recovery

Data recoverability is a top concern for many companies. There is a growing demand to boost Microsoft Exchange uptime and data recoverability—Microsoft recommends application-consistent snapshots with Virtual Shadow Copy Service (VSS). RepliStor works with Microsoft VSS to ensure data replication and recovery. RepliStor also integrates with EMC CLARiiON SnapView and custom scripts, which work with Exchange as well as other applications.

Non-intrusive and centralized data backup

Financial compliance regulations and other business imperatives require companies to protect data at remote locations. Unfortunately, acquiring and managing remote hardware and media is complex and the high costs continue to rise. Backing up remote office data to tape each night and shipping the tapes to be vaulted in a central location is not a complete solution: security can be breached and media can be lost. RepliStor replicates data to one or more locations, minimizing remote hardware, media, and personnel costs and simplifying media storage and security. Additionally, when target systems host current data copies, tape backups can be run from the target at any time without affecting application performance or users on source production systems.

Easy installation and management

RepliStor is inexpensive and easy to implement, learn, and manage, so it will not strain your IT budget or personnel. With minimal effort and in little time, RepliStor can be up and running. An administrator can then manage the entire replication process, including schedules and target locations, from a centrally located graphical user interface.

System efficiency

RepliStor uses minimal server and network resources and can be installed on an existing server without impacting application performance. After initial file synchronization, RepliStor updates and replicates changes only. Companies can dedicate a network interface card (NIC) to manage RepliStor traffic, easily isolating it from the rest of the network and managing its impact on bandwidth.

Availability of clustered environments

Whether running in a physical environment or alongside VMware ESX Server in a virtual environment, RepliStor can be integrated with EMC FullTime AutoStart to provide granular application protection during planned or unplanned outages. In the event of application, network, or hardware failure, AutoStart manages application and data failover services automatically so applications keep running. AutoStart also manages the failback process when data on the primary server has been recovered. RepliStor replicates the data for appropriate re-synchronization and relocation while AutoStart manages applications and the storage replication restart processes. AutoStart seamlessly transfers control of storage resources to a remote facility in the event of a remote-host application restart.

Features

Benefits

Ensured recoverability

Recovers data from snapshot if replica is not recoverable.

Continuous, asynchronous, byte-level data replication

Captures and replicates changes in real time over unlimited distance with negligible effect on application performance. After initial synchronization, consumes minimal server and network resources.

Remote office protection

Performs locally and remotely in one-to-one, one-to-many, and many-to-one configurations, providing multiple levels of data recovery, distribution, and consolidation.

Hardware independence

Runs on the server so it does not require proprietary or specialized hardware.

Write-order consistency

Ensures data integrity for all applications.

Three levels of security protection

Meets stringent security requirements using connection, integrity, and encryption security.

Network bandwidth throttling

Allows users to limit the amount of network bandwidth used for replication.

Scalability

Supports up to 3,000 users per server under heavy Exchange load.

Integrates with EMC FullTime AutoStart

AutoStart provides an end-to-end automated application failover solution regardless of distance.

Features (cont'd)

Benefits (cont'd)

Integrates with EMC FullTime AutoStart SE

AutoStart SE provides local application and data protection within 10km while RepliStor moves the data to a secondary location beyond 10km.

Integrates with VMware ESX Server

Ensures flexibility of protecting data in a physical or virtual environment.

Server downtime protection

Minimizes data and application downtime and increases user productivity with automated server failover to a remote target.

Take the next step

To learn more about EMC FullTime RepliStor, visit us online at www.emc.com or call **1.888.853.4286** (outside the U.S.: +1.650.210.7000).

About EMC

EMC Corporation (NYSE: EMC) is the world leader in information storage systems, software, networks, and services, providing automated networked storage solutions to help organizations get the maximum value from their information, at the lowest total cost, across every point in the information lifecycle. Information about EMC's products and services can be found at www.EMC.com



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