

Enabling Cross-Platform File Replication with Data Integrity...

 DataSync™



Cross Platform
Support

Computers on your Local Area Network are discovered automatically, thereby streamlining your installation process.



Network Auto
Detection



Communications

By using standard network protocols, all your servers, whether on a lan or Wan, can Communicate with each other and transfer data

Built-in advanced scheduling options including ability to schedule the number of times and frequency a replication job runs.



Scheduling Engine



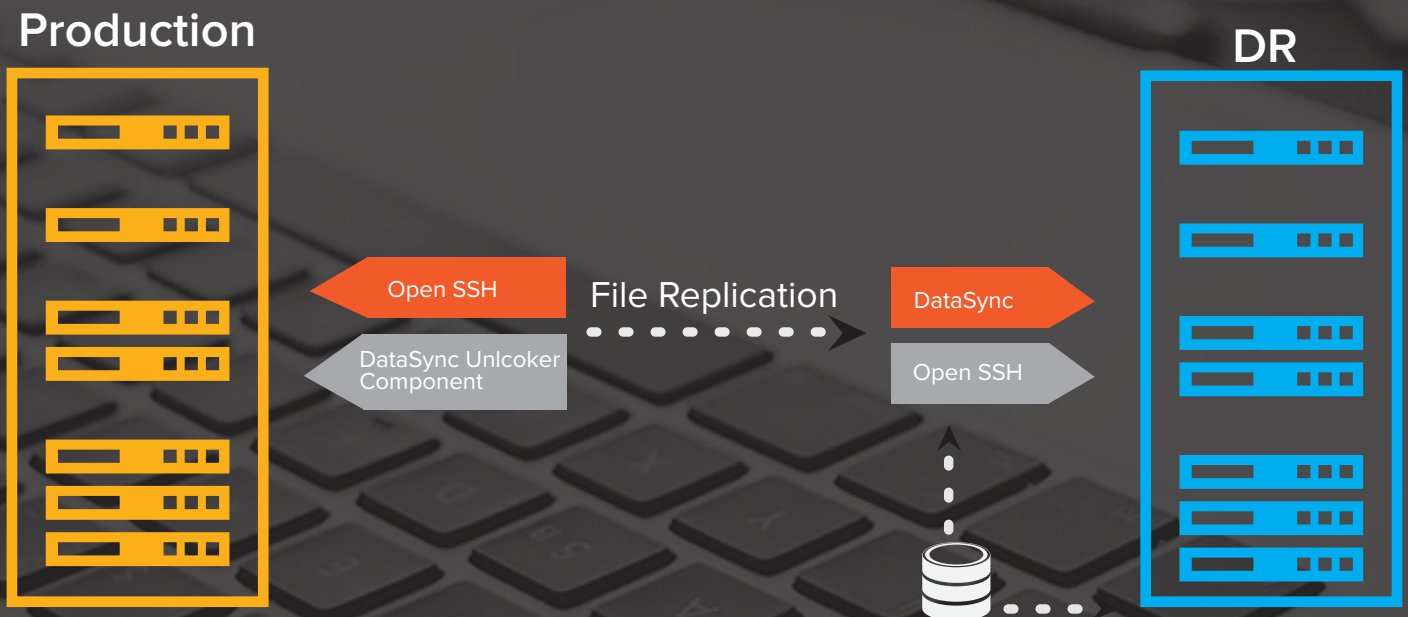
Bandwidth
Throttling

Control the bandwidth allocated to replication jobs thereby ensuring available bandwidth for other

Data Sync™ provides a reliable, super-fast, and cost effective solution to the file replication and data availability needs of companies and organizations of all sizes-including international networks. Robust features include advanced job scheduling, file delta identification, real time O/S hooks, bit level comparison, web GUI administration, bandwidth throttling and native cross platform support (Windows, Linux, Mac OSX, Netware, AIX, Sun Solaris and HP-UX).

It ensures not only data changes are replicated to the DR site, but also replicates all changes made to application files, web related files, configuration files, etc that are available in the local hard drives of application servers. This ensures all aspects of the service are synchronized real-time between the Primary and DR services. After the initial synchronization of application files, Data Sync replicates only the changed/modified and newly created files to DR.

Datasync Architecture



Key Features of Datasync™



Cross Platform Support

Support for Windows, Mac OSX, Linux, Netware, and any operating system that runs Java 1.4. Well suited for mixed server environments.



Communications

By using standard network protocols, all your servers, whether on a LAN or WAN, can communicate with each other and transfer data.



Network Auto Detection

Computers on your Local Area Network are discovered automatically, thereby streamlining your installation process.



Scheduling Engine

Built-in advanced scheduling options including ability to schedule the number of times and frequency a replication job runs.



Multiple Replication and Synchronization Job Types

For replicating files either locally or off-site, Data Sync supports 'Copy' and 'Move' operations, whereas synchronization is supported via '1-Way Mirror' or '2-Way Mirror' job types.



Security & Encryption

Uses advanced encryption algorithms to secure the data as it is being replicated. In addition, replication nodes can be password protected to control replication access to the servers.



Real-Time, Event-Driven Replication

With our 'Real Time File System Integration' for both Mac OSX and Windows, Data Sync is informed of file events including creation, change or delete as they occur, triggering replication of the changes immediately. This is especially suited to environments with large numbers of files and folders, preventing the need for more CPU and time consuming methods of 'directory walks'.

Key Features of DataSync™



Scalability

By utilizing advanced memory and CPU techniques as well as an integrated tool to configure the system resources that are consumed by replication jobs, Data Sync™ is built for scalability. These techniques allow continuous replication and synchronization regardless of the amount of changed data or servers that will be replicating simultaneously.



Filter folders and files

Using include/exclude statements with standard expressions or wildcards. Allows great flexibility in deciding which files or folders need to get replicated.



Changed Files Only

Efficient algorithm will not replicate files that are identical. It will only copy over files that have changed, providing bandwidth efficiency. Operating system related patch updates can be replicated to DR site using DataSync™.



Bandwidth Throttling

Control the bandwidth allocated to replication jobs thereby ensuring available bandwidth for other mission critical network operations



File Compression

Prior to transfer, files can be compressed using advanced compression techniques, allowing the information to reach the other nodes as quickly as possible.



Web based management console

Data Sync™ Management Console is a complete web-based application providing one central point to configure and monitor all replications. An administrator can access the Management Console from any browser providing ease-of-use, portability, and a common interface. The Management Console automatically distributes any changes to all your servers. The management console also provides a centralized view of all the activities your servers are performing. Watch in real time, watch after jobs are completed or simply examine the summary logs. There is no need to visit each server in the replication and hunt for their logs. For greater efficiency, ask the management console to email you upon job completion or alert you to error conditions.

Key Features of Datasync™



Network Configuration

Assures reliable functioning in complex network environment including inter/intranet networks



Operating System & Application Patches

Whenever there is a change in Production servers in terms of OS patch updates or Application related patches, DataSync™ understands the change and it can automatically replicate those changes to DR.

However, it is not recommended to replicate and use the OS & App related patches that will involve registry level updates. It is always a risk to apply the Production side registry changes applied on DR servers, as the OS may not come up properly at DR if there are hardware dissimilarities between Production and DR servers. The recommended practice is to have the OS & App patches applied to DR through the organization's change management process only.



How DataSync helps this situation?

DataSync™ can always help providing inputs to the team involved for implementing the change management process within the organization by sending notification alerts in the form of emails and SMS, whenever there is a change happening in the OS and Application area in Production. Based on the alerts, the team can always take appropriate action.

DataSync™ also tracks the ticket whether action has been taken and closed. If not, alerts go to the next level as per the escalation matrix provided as inputs to make sure the action is taken.

TO REQUEST A LIVE DEMO OR FOR MORE INFORMATION ON PERPETUUITI DATASYNC, PLEASE GET IN TOUCH WITH US:

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About Perpetuuiti

We are a leading Enterprise Software Products company with innovative solutions built in accordance with global benchmarks for Intelligent BoTs, Intelligent Robotic Process Automation, Intelligent Business Service Availability Management (iSAM), Intelligent Organizational BCP Automation (iBCM), Data Replication & Cloud Migration, Real-Time Auto-Discovery of Application IT infrastructure and Application Interdependency Mapping. For additional information, visit, www.ptechnosoft.com