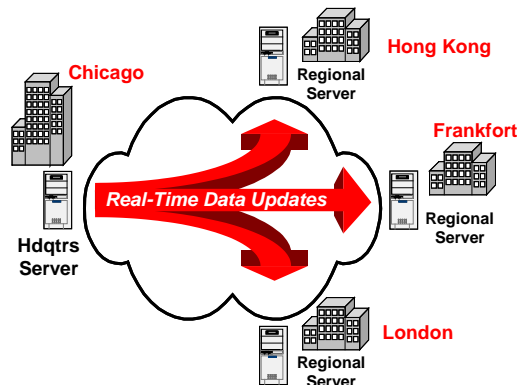


Enterprise Data Distribution Using Real-Time File Replication

Introduction

Do you need to centrally manage the distribution of mission critical data across your enterprise? Traditional data distribution products usually do not give you adequate efficiency and automated controls. With LinkPro's complete line of file replication products you can easily manage a file distribution process that is highly efficient and controllable, allowing you to keep the data your organization is dependent upon identical across hundreds of servers.

LinkPro file replication products are powerful tools for file distribution across a corporate network, utilizing LANs, WANs or the Internet. It provides real-time or scheduled capabilities for automatically maintaining and distributing data files throughout the enterprise. As opposed to simply copying files, replication includes comparing modification dates limiting copying to those files that have changed and insuring that the appropriate versions of files are on each system. A typical application of real-time file distribution is illustrated below.



Traditional Methods of Distributing Files

Traditionally, manual tools, like Microsoft's SMS, or proprietary scripting have been used to distribute applications data. These alternatives are somewhat limiting and labor intensive.

File Replication: Some basics

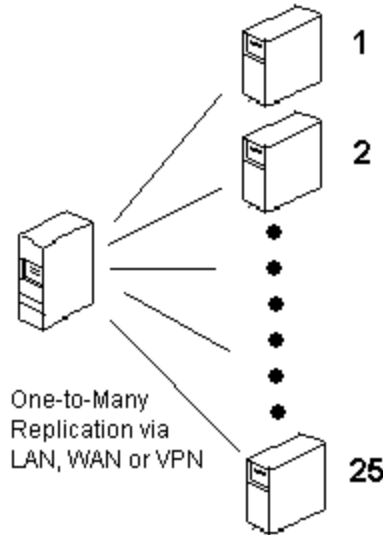
File Replication, in the context of computer networks, is an automated method for distribution of synchronized data usually to many geographically dispersed networked PCs and servers. LinkPro's File Replication software manages a process whereby a source directory is replicated onto one or more destination directory(s) by adding, deleting, and updating files on the destination until they match those on the source. Only the files with differences are acted upon. This automated process reduces the chance of human error and ensures that the file replication takes place either on schedule or in real-time. **more....** <http://www.linkpro.com>

Networked Server File Distribution System Scenarios

To illustrate how LinkPro’s File Replication software can be used to provide automatic file distribution throughout the Enterprise here are three scenarios.

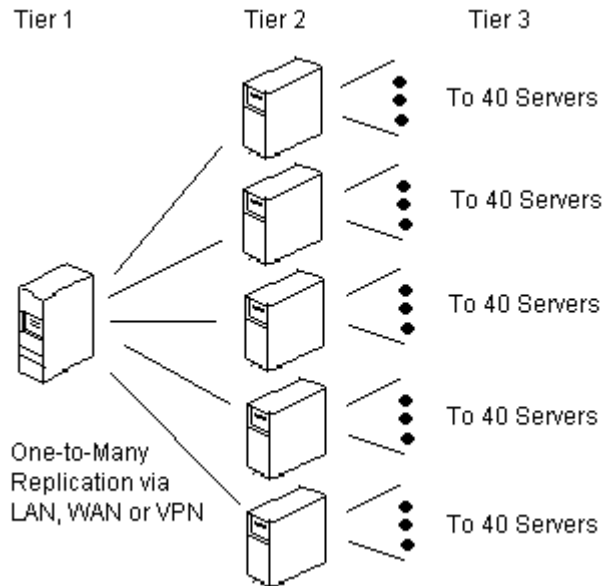
CASE 1 - Company A with twenty-five regional offices.

The central file distribution system for the regional servers is shown below.



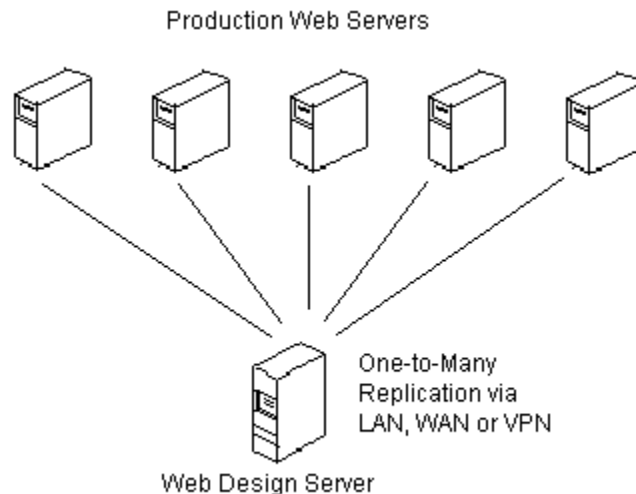
CASE 2 - Company B with two hundred regional offices.

Real-time replication software is installed on the Tier 1 & 2 servers. The Tier 1 source server replicates files when they are changed to the Tier 2 servers. The Tier 2 servers’ real-time replication software detects these changes and in-turn replicates these changed files to the Tier 3 servers using a one-to-many operation. The multi-tier file distribution system supporting the two hundred regional servers is shown below.



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CASE 3 - Company C with a website development server needs its five production web servers contents to reflect web page changes as they occur. The website development web server updates the production servers using a one-to-many real-time replication. This is illustrated below.



Replication Software Requirements for Enterprise File Distribution

Efficient implementation of Cases 1, 2 & 3 described above requires File Replication software that is able to provide automatic directory and file replication from one or more source servers to multiple destination servers over LANs, WANs or the Internet. It should perform scheduled and real-time automatic replication process when running as a service. It should be able to distribute data to the remote servers from the source server using one-to-many file replication for synchronized data distribution. It is also important that this software be centrally administered. LinkPro's File Replication solution more than satisfies these requirements and is described below.

- Easily move data from one source to multiple destinations for automated application data distribution.
 - Provide scheduled or real-time operation
 - Automatically distribute and synchronize files over WANs to any remote site.
 - System administrators specify directories to be kept synchronized during data transfer.
- more.... <http://www.linkpro.com>

Synchronized File Distribution with IPReplicator®

LinkPro's IPReplicator® software can simplify the task of distributing synchronized files across multiple local or geographically distributed servers. Its features provide automatic directory and file replication from a source server to multiple destination servers over LANs and WANs. IPReplicator® performs scheduled and real-time automatic data replication running as a service on the source server. The software is able to distribute data to the remote servers from the source server using one-to-many file replication for synchronized data distribution. Among its features:

- Easily move files from one source to multiple destinations for automated application data distribution.
- Provide scheduled or real-time operation

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- Automatically distribute and synchronize files over LANs, WANs or the Internet even through firewalls.
- System administrators specify directories to be kept synchronized during data transfer.

IPReplicator® Product Overview

IPReplicator provides scalable, secure & automated data movement over LANs, WANs, & Internet while minimizing & controlling bandwidth usage - even thru firewalls. It automatically replicates Windows NT, 2000 & 2003 server directories and files from a source server to one or more target servers. IPReplicator supports real-time and scheduled, one-to-many and many-to-one, file replication.

Capabilities include:

- Concurrent operation - real-time and scheduled
- Scaleable – can support up to hundreds of servers
- Secure – encrypted connections
- Conserves - network bandwidth
- Central administration – setup, monitor and control

About LinkPro

LinkPro Technologies, Inc., based in Irvine, Calif., is a privately held corporation that specializes in data movement and protection software. Its products are sold worldwide through value-added resellers, international distributors, direct sales and original equipment manufacturers (OEMs).

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