Double-Take®

FEATURES AND BENEFITS

High Availability
- 2000/NT, NetWare, and Solaris Servers
- Virtually any application, including Exchange, SQL Server, and Oracle

Disaster Recovery
- Off-site/cross-site
- Long distance, WAN speeds
- Shared bandwidth

Backup Enhancement
- Use existing backup software
- Solves zero backup window
- Serverless, open-file backup
- Centralized and continuous

Web Content Replication
- Distributed intranet servers
- Web servers in IP-balanced server farm

Data Distribution
- One-to-many-to-many "fan out"
- Hundreds to thousands of servers

Platform Migration
- Mirror live data to new OS version, server, or storage hardware
- Consolidation or relocation
- Fast failover/switchover

Change Management
- Test changes on target server
- Software upgrades
- Hardware upgrades

Platform Support
Double-Take is licensed per machine and is available for the following operating systems and platforms:

Windows 2000/NT
Supports Windows NT 4.0 Workstation, Server, Enterprise Edition and Terminal Server Edition and Windows 2000 Professional, Server and Advanced Server

Windows 2000 DataCenter
Supports Windows NT 2000 DataCenter*

Solaris
Supports Solaris 2.5.1, 2.6, 7 and 8.

* Contact NSI for availability

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IBM Server Proven · ClusterProven · IBM Netfinity ServerProven · Designed for Microsoft BackOffice · hp invent · DELL DIRECT EFFECT ALLIANCE PROGRAM · Compaq Solutions Alliance COMPAQ

DT-SS-01-01

The Protection of Real-Time Data Replication in a Multi-Platform, Software Solution

Double-Take®

Continuous Data Availability

Increased Application Availability
Continuous Data Protection
Enhanced Backup Operations
Multi-Platform Compatible
Enhanced Business Reliability
Hardware Independent

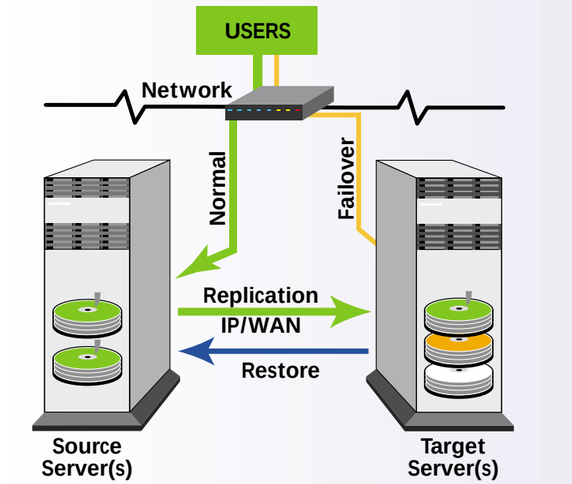
NSI SOFTWARE

A D V A N T A G E S O F D O U B L E - T A K E

Disk crashes. Power failures. Raging fires. Devastating floods. Regardless of form or fury, disasters can take their toll on any business and stop the flow of information. With each minute of lost data translating into unrecoverable revenues, downtime is being taken seriously.

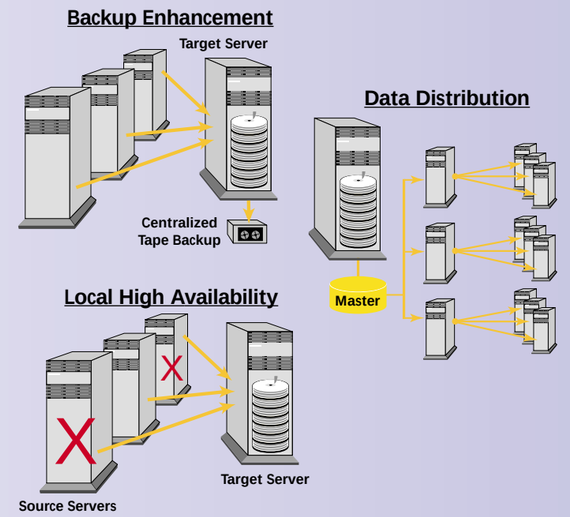
And that's why thousands of companies that want to compete globally without fear of data loss or downtime are doing a Double-Take. Patented by NSI Software, Double-Take enables companies to recover quickly and easily from disasters and continue to provide business-critical information. For companies concerned with data availability and protection, Double-Take provides a huge, cost-effective, competitive advantage.

How Double-Take Works



1. Volumes and files on the source are selected for replication and then target server(s) and path(s) are selected.
2. Double-Take compares source and target files and then synchronizes the differences at a block level.
3. On-going changes to selected files are captured for replication as they occur.
4. Changes are transmitted continuously or per user-defined conditions, such as bandwidth limits or start/stop conditions.
5. Target receives and applies the changes to target volumes.
6. Target server monitors the source server and can initiate failover automatically or manually.
7. Failback releases the identity of the source allowing original source to rejoin the network.
8. The restore function returns current data back to original machine.

Other Applications



Innovative technology

Double-Take uses patented technologies to monitor changes continuously to open files as they occur. Only these byte-level changes are replicated to one or more servers over standard network connections. Data is always protected, and an up-to-date copy is available in an off-site location.

STAR is Double-Take's patented "Sequential Transfer-Asynchronous Replication" technology, and the key to unmatched performance and reliability.

- Sequential Transfer—Replication follows the same write sequence within and across multiple files, providing complete data integrity at all times.
- Asynchronous Replication—A combination of source- and target-based queuing capabilities allows the server to continue processing while replication occurs and allows for maximum performance.

Reduced downtime and improved data protection.

NSI Software provides seamless configuration, control and administration of data availability and protection. Replication occurs continuously over any shared or private IP-based LAN, WAN, or SAN connection. In the event of a disaster, Double-Take's failover capabilities allow a secondary server to stand in automatically for the primary server. Operations resume with minimal interruption and confusion. Most system users are unaware when a failover occurs.

Unlike tape backups, which run periodically to provide archival data at the expense of hours or days for retrieval, Double-Take continuously captures the most recent data and makes it immediately available. It allows complete redundancy of the data, storage, and servers. Double-Take requires only standard TCP/IP connectivity, so complete replication can be maintained in real time, without any geographic limitations. It can even protect companies against site-level failures.

Multi-platform advantages

Double-Take is the only multi-platform data replication software that supports Windows 2000/NT, Novell NetWare, and Sun Solaris (UNIX) operating systems. It goes beyond a company's need for server failover and adds data replication, backup, and data-distribution capabilities, simply and easily.

All Double-Take products are derived from a common, cross-platform code base and use industry standard protocols, such as IP and SNMP. Double-Take's management tools deliver central management and monitoring, and the simple functions reduce the effort needed to support multi-platform environments.

Best possible protection at the lowest cost

According to storage industry analyst Strategic Research Corporation, Double-Take can provide up to 99.99% system availability, or less than 50 minutes of downtime per year. That's quite impressive, since most large, online businesses average one to five hours of downtime every month, according to Forrester Research, and lose $8,000 or more per hour.

In addition, Double-Take's real-time data replication uses the smallest amount of network bandwidth possible. While other technologies may need to transmit an entire disk block or whole file, Double-Take only transmits byte-level changes.