

SOLUTION OVERVIEW



Server Migration and Consolidation

Data Migration and Consolidation due to hardware, storage or OS changes

Double -Take's ability to mirror and replicate live, open data files to a target drive, combined with transparent failover capabilities makes Double -Take the ideal tool for migrating data and applications from one or more servers to a more powerful target server or cluster, larger storage device or new OS version.

Server Migration

One example would be simply migrating an existing application to a more powerful server with more CPU horsepower and RAM. In this case, data from the existing server is replicated to the target server *while it is in use*. When you are ready to begin operations on the new machine, simply shut-down the original machine and allow Double-Take to "failover" to the new machine and assume the new identity. You can make this change permanent so that Double-Take will never do a failback while you continue operating on the new machine.

Server Consolidation

Just like the previous example, multiple source machines can have their data replicated to a single target server allowing simple consolidation. Double -Take allows tremendous flexibility in terms of file selection and target path configuration to accommodate almost any desired configuration.

Cluster Migration

Since installing a cluster will almost always require new servers and since Double-Take supports clusters as either a replication source or target, Double-Take is the ideal tool for moving existing servers and applications onto a cluster. For example, simply replicate your "user directories" to a clustered server. Then create an MSCS virtual server with the name and IP address of the original server and matching share names. Then simply remove the old server from the network and bring the new "virtual server" on-line within MSCS Cluster Administrator.

Storage Migration

Double -Take can also be used to migrate data between storage devices attached to the same server, for example from a SCSI attached drive to a Fibre Channel SAN attached RAID array or Network Attached Storage Device (NAS) or even to a remote network share.

OS Migration

Double -Take can be used to move data from live production servers to upgraded targets without stopping production operations. For example, data can be replicated between different versions of Windows NT or from FAT volumes to NTFS. As new versions of Double-Take are released that support Windows 2000, you will be able to use Double-Take replication to move data from your Windows NT 4.0 servers to the Windows 2000 platform.

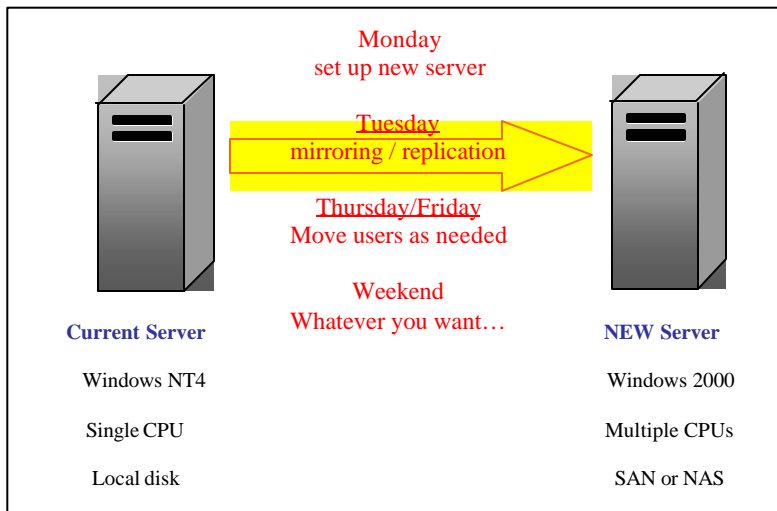
How it works

The Double -Take replication process includes all security information (trustees, ACL's, permissions) and attributes providing a true mirror image of the original file set.

As changes are received by the target they are written in the exact order received and each file is closed after the "transaction" is applied making it available for backup at any time.

Other Issues

Since Double-Take does not replicate machine configuration (e.g. Windows O/S or Registry), this information should be protected using other means. For example, the Windows Registry can be exported to a file that is in turn replicated to the centralized backup server. Another alternative is to use a remote backup agent to backup registry information alone but skip the data itself.



Double-Take Solutions

Double -Take's real-time data replication and server failover technology enables IT organizations to solve many critical business problems:

High Availability
and/ Failover
Disaster Recovery

Backup Enhancement

Web Content Replication

Data Distribution

Platform Migration

Change Management and
Testing

- ✓ Windows NT, 2000 and Solaris Servers
- ✓ Virtually any application including Exchange, SQL and Oracle
- ✓ Off-Site / Cross-Site
- ✓ Long Distance, WAN speeds
- ✓ Shared Bandwidth
- ✓ Use existing backup software
- ✓ Enables 24x7 Backup Window
- ✓ Open-file backup
- ✓ Centralized and continuous
- ✓ Distributed intranet servers
- ✓ Web Servers in IP Balanced Server Farm
- ✓ One to many to many fan out
- ✓ Hundreds to Thousands of servers
- ✓ Mirror "live" data to new OS version, server or storage hardware
- ✓ Consolidation or Relocation
- ✓ Fast Failover / Switchover
- ✓ Test changes on target server
- ✓ Software upgrades
- ✓ Hardware upgrades
- ✓ Year 2000 conversions

Solution Components:

- ✓ Double -Take license for each machine acting as either a source or target.

For more information on NSI Software's products, please contact NSI.

NSI Software - Corporate Office
Two Hudson Plaza, Suite 700
Hoboken, NJ 07030
800-775-4674 or 201-656-2121
Fax: 201-656-2727

NSI Software – Inside Sales
8470 Allison Pointe Blvd. Suite 300
Indianapolis, IN 46250
888-674-9495
Fax: 317-598-0187



Or visit us on the web at WWW.NSISOFTWARE.COM