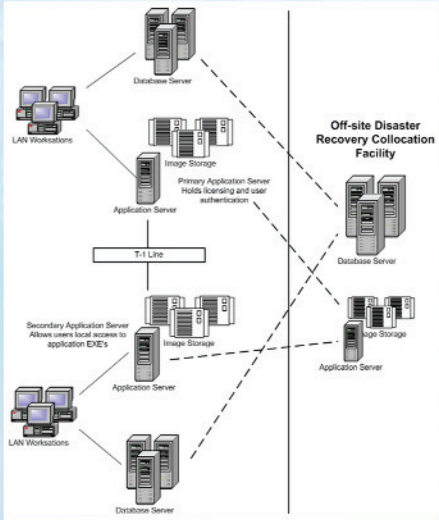


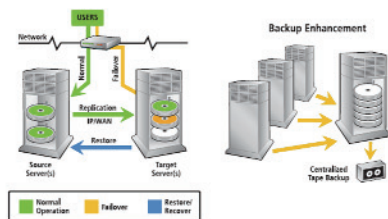


Enterprise Disaster Recovery Solution for the Mid-Market

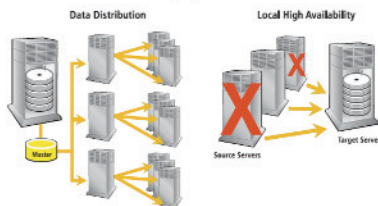


Typical Fortis WAN Implementation with Asynchronous, byte-level replication to an offsite collocation facility.

Double-Take Software



Other Applications



How Does the Double-Take Component Work? Double-Take can augment existing backup/recovery procedures as well as support local high availability, fault tolerance and data distribution.

Fortis Disaster Recovery (DR) is a "best-of-breed" packaged solution that includes replicated Fortis software, services and Double-Take® licenses. The core function to the DR solution is Double-Take. Double-Take creates a unique, real-time, asynchronous, byte-level data protection solution that virtually eliminates your fear of data loss or system downtime. This product works behind the scenes enabling your company to provide uninterrupted service to your customers and employees, even when disaster strikes.

Power failures, hardware malfunction, software failures, human error, natural disasters, and even criminal acts - they all pose a risk to your business continuity. Double-Take continuously replicates byte-level changes from server to server in a highly efficient format, minimizing bandwidth utilization.

In the event of a system failure or disaster, Double-Take's failover capabilities allow a secondary server to stand in automatically for the primary server, providing you with 99.99% availability - less than 55 minutes downtime per year! Operations continue with minimal interruption and confusion.

Fortis Disaster Recovery and Double-Take can help you with these challenges:

- **Local high availability** - One-to-one, many-to-one, and many-to-many server monitoring and failover / fail back provides extraordinary flexibility and reliability.
- **Off-site disaster recovery** - Coupling Double-Take with Windows Powered NAS devices provides a low-cost, highly scalable alternative to traditional disaster recovery approaches.
- **Storage consolidation and enhanced centralized backup** - Enables centralized, 24x7 backup of open files using your existing backup hardware and software without the need for open file agents.
- **Hardware/software/operating system upgrades/migration** - Transparent failover capability coupled with on-line data mirroring and replication facilitates migration with no production system downtime.
- **Content distribution** - One-to-many replication for automatic content distribution.



Double-Take from Double-Take Software goes beyond periodic backup to provide accessible and affordable data protection, ensure minimal data loss, and enable immediate recovery from any disaster or system outage. Double-Take utilizes patented replication and failover technology that continuously captures byte-level changes as they happen and replicates those changes to one or more target servers at any location, locally or at a recovery site miles away. In the event of a disaster, Double-Take lets you recover from your target servers in minutes, if not seconds. What's more, Double-Take delivers better protection than many hardware based solutions, and it costs tens of thousands less. Start with as few servers as you like, scale organically as your data requirements grow, and get a fast and continuing return on your investment.

Fortis Disaster Recovery Features

- **Continuous, asynchronous, byte-level replication.** Double-Take monitors changes to all protected files and replicates only the actual bytes that change.
- **Unlimited distance replication.** Replicate to a disaster recovery site as far away from your production server as you would like, over standard IP networks, for maximum protection against data loss from regional crises and other disasters.
- **Hardware independent.** Get the flexibility to choose best-of-breed hardware and software as your enterprise grows.
- **Application independent.** Patented STAR (sequential transfer asynchronous replication) technology enables complete data replication integrity for virtually any application.
- **Certified Windows compatibility.** Double-Take is certified for all editions of Windows Server 2003 and Windows 2000.
- **Snapshot Support.** Double-Take integrates with Microsoft Volume Shadow Copy Service to allow you to schedule and recover from up to 64 point-in-time copies of data on your Double-Take target. Using the Double-Take Application Manager console, configure for manual, automatic or scheduled snapshots of business critical data.
- **64-bit support.** Double-Take provides 64-bit versions that run on Windows Server x64 Edition (AMD64 and EMT64) or Windows Server 2003 for Itanium-based systems. Get the enterprise-class data protection you need for your high scalability Windows environments.
- **Streamlined issue monitoring.** Double-Take Management Pack for Microsoft Operations Manager allows you to monitor issues on all Double-Take servers across your enterprise and alerts you to only important events, allowing you to stay aware of, respond to, and demonstrate accountability for server and application services levels.
- **Centralized Reporting and Analysis.** The Double-Take Reporting Center feature offers detailed, custom analysis and reports of your entire Double-Take environment. The rich reporting and dashboard views of your environment help you to analyze the information, report the results to others in the organization, predict future protection effectiveness and intelligently decide what actions to take in regards to their data protection strategy.
- **Flexible Bandwidth Scheduling.** Limit network use of Double-Take during busy work hours and increase or remove these limits during nonpeak times for very efficient replication with the least amount of impact on production resources.
- **High availability and failover.** Set your production server to fail over to a second server in the event of a failure.
- **Integrate with existing backup solutions.** Use replicated data to perform remote backups and snapshots at any time without impacting your production server.
- **Windows Server 2003 clustering support.** Protect up to eight nodes in a single cluster; replicate to or from MSCS clusters of up to eight nodes, and automatically respond as cluster resources move from node to node.
- **Use standard network protocols.** Replicate over any existing IP network – LAN, WAN, VPN or NAT – so you can deploy without additional infrastructure costs.

- **Many-to-one failover.** Allow multiple production servers to use the same target server.
 - **Intelligent Data Compression.** Improve performance and reduce network usage by compressing only the data that will benefit.
- Protect Fortis, Exchange, SQL Server, Virtual Systems, Sharepoint, and more** – and bulletproof your business continuity, data migration, centralized backup, and server consolidation operations.

Automated configuration and management of application protection for Microsoft Windows servers.

Take the guesswork out of protecting your applications. The Application Manager feature provided by Double-Take is designed specifically for the configuration and management of protection for Microsoft Exchange, SQL Server and Windows File Services. It automates the setup and configuration of real-time protection and availability management for these business critical applications. Features such as auto-discovery of servers and key application-related data files simplify the process down to just four steps and reduce the risk of human error.

Capabilities:

All Supported Applications

- **Server Auto-Discovery** – Auto-discovery of servers allows you to configure replication and fail over from the user interface with ease. Manual server selection of the source and target servers is also available if needed.
- **Auto-Selection of Protected Data** – For each application being protected, Double-Take Application Manager will automatically discover relative data to be replicated as part of application protection.
- **Integrated Recovery and Failback** – To ease recovery procedures and reduce downtime, Double-Take Application Manager provides integrated restore and failback capabilities to automatically recover data to the original production server and initiate failback.
- **Pre-Flight Check** – Using our exclusive application validation engine, Double-Take

Application Manager includes many points of validation to reduce or even eliminate the potential for environmental and configuration errors.

- **Protection Templates** – To simplify the process of making changes to Double-Take Application Manager configurations, global-setting changes are automatically saved as the default values. The automated persistence of configuration settings saves time and effort to simplify protection management.

Exchange Server Capabilities

- **Exchange Version Support** – The Double-Take Application Manager can be used to configure protection for Exchange Server 2000, 2003 and 2007.
- **Configurable Data Protection** – Double-Take Application Manager provides the flexibility to reduce backup server storage requirements and bandwidth utilization by selecting one or more Exchange storagegroups to protect.
- **Target Data Verification** - Testing can be performed against the replicated copy of Exchange data without the need to stop tracking changes on the source server or to re-mirror the dataset once testing is complete.
- **Exchange Configuration Cloning** - Simply perform the base default install of Exchange on the target server and Double Take will replicate the necessary configuration settings to ensure the target server is ready to be brought online without additional manual changes.
- **Cluster Configuration Support** - Protection configuration of Exchange virtual servers running under Microsoft Clustering Services (MSCS) can be done through the Application Manager in the same way stand alone servers are protected.

SQL Server Capabilities

- **Configurable Data Protection** – Reduce backup server storage requirements and bandwidth utilization by selecting either the entire SQL instance or just individual databases for protection and failover.
- **Many-to-One Support** – Double-Take SQL Manager provides many-to-one support, allowing

you to replicate databases on multiple SQL server servers to one target server for protection and failover.

- **SQL Configuration Cloning** – Simply perform the base default install of SQL on the target server and Double Take will replicate the necessary configuration settings to ensure the target server is ready to be brought online without additional manual changes.

File Server Capabilities

- **File Share Auto-Discovery and Protection** – File shares are auto discovered and presented in a logical grouping within the management interface for ease of configuration. Selecting a share for protection will include all the associated data in

addition to creating the share on the target server upon failover.

With the files and shares protection task, you can also protect your data by creating a replica of one or more files that reside on the source server on the target server.

Fortis Disaster Recovery Package for Windows Server

- Four (4) Double-Take licenses including first year, 24x7 software support
- Services to implement the DR solution
- Fortis software license for DR at a discount

For more information contact our Professional Services division at **203-483-6666 x627**.



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