

FEATURE GUIDE

DOUBLE-TAKE® BACKUP

Double-Take® Backup enables continuous server backup and on-demand restoration and any-point-in-time recovery options that are right for your business size. Double-Take Backup reduces costs by simplifying the protection and recovery of important systems and continuously replicates changes to data, applications and the source server's operating system, protecting the entire server. When it's time to recover, Double-Take Backup allows you to configure and perform recoveries on-demand to physically dissimilar hardware or virtual servers, with added validation steps to make sure recovery will go as planned. With Double-Take Backup you can reliably and cost-effectively back up locally or back up branch office data from a central location, in real-time to disk. By replicating branch office data to a central location, you eliminate the need to do backups in the field and can recover data more quickly.

Features

Continuous Protection. Double-Take Backup monitors changes to protected files and replicates only the bytes that change. You can replicate to a disaster recovery site (over standard IP networks) for maximum protection against data loss.

No Backup Windows. The real-time replication capabilities of Double-Take Backup mean you no longer have to schedule downtime to complete a backup; users remain online during replication and recovery and restoration.

Easy Implementation and Management. Double-Take Backup includes an easy-to-follow wizard for creating a connection that protects the entire server and provides the option to exclude data volumes at either protection or recovery time.

Single-Screen Monitoring and Validation. The Double-Take Backup console allows you to quickly and easily configure, manage and perform recovery from a single interface, including validation steps that insure recovery goes as planned. Validation compares the image of the source server to the actual recovery server then alerts you of potential problems. The Double-Take Backup management console supports management of enterprise-sized implementations. A single monitoring screen can show all server protections and recoveries across the enterprise with full status sorting and filtering capabilities. Jobs are categorized into states for quick identification of needed interaction.

Push Install. The management console pushes the Double-Take Backup agent to the recovery server if necessary, eliminating the need to have Double-Take Backup pre-installed on the recovery server.

Snapshot Support. Double-Take Backup integrates with Microsoft Volume Shadow Copy Service to allow you to schedule and recover from up to 512 point-in-time copies of data on your target.

Reduced Recovery Time. When a system volume or entire server fails recovery of system state and data is performed from the Double-Take Backup console, reducing the steps needed to recover a server to its original state, improving achievable recovery time objectives (RTO).

Supports Dissimilar Hardware. The recovery process can account for a variety of differences between the original source and recovery server, prohibit incompatible differences, and warn the user of possible performance degradations after recovery.

Supports V2P and P2V environments. Double-Take Backup replicates between any configuration of physical and virtual systems.

Broad Application Support. Double-Take Backup protects the entire server so there is no need for specialized application support. Double-Take Backup supports most business-critical applications.

Virtual Recovery Server Automation. Virtual infrastructure can make disaster recovery more affordable and easier to manage, and Double-Take Backup makes virtualizing more efficient by automating recovery server creation. When you select storage objects for protection, Double-Take Backup makes an initial copy of your data set and sends this copy to a separate storage device called the Double-Take Backup Repository Server. Double-Take Backup monitors file-system activity and records changes to protected data over time. This information is maintained in the repository server according to policies that you set.

Point-in-Time Recovery. Because Double-Take Backup transparently and automatically captures and protects all data changes as they occur, it eliminates the risk of data loss that can happen between traditional backups or snapshots. Double-Take Backup ensures that no data is ever lost or corrupted.

Simple Deployment. Installation is non-intrusive and does not require server downtime or reboots. Double-Take Backup agents install on the servers to be protected and connect to a standard Windows server configured to be the repository. Configure data in Content Groups then Double-Take Backup stores an initial image of each in the repository. After initialization, all changes to data on protected servers are sent to the repository. Retrieved data is presented in standard Windows file-system format as an attachable view, which can be read or copied. The retrieval process is as simple as point and click.

Manage Your Data. Double-Take Backup provides policy-based management that applies to individual files, databases, and email stores. Policies can be separately applied to any group of these objects. These policies define the quantity of data and the times at which data can be recovered. There is no need to manage separate backup devices; retention policies remove data from the repository as it ages.

Offline Processing. Secondary or non-production servers can easily access relevant moment views of data sets for reporting, analytical processing, or testing. For software updates, application testing or failure analysis, data sets are presented to a secondary server without affecting primary operations.

Complete Change History. Double-Take Backup maintains a record of every data change, including the associated metadata. The comprehensive nature of the change records may be used to enhance your business intelligence or data forensics operations.

Simple Backup and Vaulting. Double-Take Backup can integrate with existing backup systems to improve data protection. Businesses can continue to run full backups to tape and maintain off-site vaulting procedures but eliminate the media costs, complexity and unreliability of incremental or differential backups. Operationally complex snapshot integration is eliminated while protection levels are increased. Backups may be performed on production databases directly, or backup interruption eliminated by backing up from the Double-Take Backup repository. Businesses can quickly, simply and reliably attach or retrieve any past data moment at the desired level of granularity.

Database Direct Attach. The TDSQLVIEW command line tool supports TSFS-attach operations for Microsoft SQL Server 2005 databases. The TDSQLVIEW command line tool enables you to create a retrieval view for a Microsoft SQL Server 2000/2005 database and directly attach the database to another instance of Microsoft SQL Server 2000/2005.

TDCacheMonitor Tool. TDCacheMonitor Tool. The TDCacheMonitor tool. This tool enables you to monitor the Event Cache File (ECF) on a protected data server, externalizing the write and consume positions of the ECF.

Retrieve Your Data. When you want to access a protected object as it existed at a particular time, you can command Double-Take Backup to reconstruct a past version of your data. Double-Take Backup reconciles the initial copy of the file from the repository with any changes made up to that time. You can then open the version anywhere within the corporate network or save it to your production data server.

Application Data Retrieval. Double-Take Backup mitigates the damage from user error, application error or security breach by enabling the application retrieve data from the precise moment before the damage occurred.

Disaster Recovery and Preparedness. Double-Take Backup makes sure that you have up-to-date and historical data available 24x7. Double-Take Backup provides maximum flexibility to meet your disaster recovery goals and leverage your IT investment by enabling you to manage data effectively. Double-Take Backup may even be deployed to cross-protect multiple sites.

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