STORServer BACKUP APPLIANCE
WITH INSTANT RESTORE

INSTANT RESTORE HIGHLIGHTS

- Provide recovery management for Microsoft Windows and Linux servers in remote or branch offices and the data center

- Get applications and users back up and running within minutes following any data loss while full recovery is performed in the background

- Help eliminate the need for traditional backup windows by continuously capturing data changes at the block level

- Help reduce storage and bandwidth requirements with block-level incremental backup and integrated data deduplication

- Schedule automated data transfers based on flexible, policy-based settings

DISASTER RECOVERY

STORServer Backup Appliances are noted for their superior Disaster Recovery capabilities. The STORServer Instant Restore solution maintains this tradition with features such as:

- Replication and consolidation of backups to a central location as part of a disaster recovery system

- Selective Replication which means not all backups must be replicated and bandwidth can be utilized better by scheduling DR to low activity hours

- Replication does not interfere with backup operations

- Deduplication, encryption and compression capabilities included

- Unique Recover Anywhere™ features

  - At branch or remote offices or the data center

  - File or Volume restore, Instant Restore

  - Disaster or Operational Recovery

BLOCK LEVEL INSTANT RESTORE

The STORServer Backup Appliance with Instant Restore is an affordable, effective add-on to either your existing STORServer Appliance or TSM solution. Designed to protect data in your remote or branch offices or to supplement the backup solution in your data center for mission critical applications, block level instant restore provides valuable benefits, including:

Decreased RPO

- Recover data for critical applications that changed two hours, one hour in the past, even up to the last transaction on any disk (granular CDP)

- Branch office restore from local management-free, tapeless server

Significantly Decreased RTO

- Immediate application access during restore – use files, database or Exchange server while the data is on it's way back to the original location

- Built-in Bare Metal Restore to dissimilar hardware

Fast Backup with Minimal Application Disruption

- Block-level incremental forever

Faster Replication

- Backup remote offices without high speed communication links

Recovery Point Objective (RPO) is the point in time to which you must recover data after a disruption or disaster in order to ensure acceptable business continuity and minimize impact on an organization's ability to conduct business.

Recovery Time Objective (RTO) is the duration of time within which data must be accessible by users after a disruption or disaster in order to ensure acceptable business continuity and minimize impact on an organization's ability to conduct business.

For example, if your RPO is two hours and RTO is ten minutes, you have ten minutes to restore user access to the data to within two hours prior to the disruption or disaster.

Tivoli® software

Premier Business Partner IBM

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STORServer BACKUP APPLIANCE WITH INSTANT RESTORE

FEATURES & BENEFITS

Block-level Incremental Capture
- Very low impact on application servers
- Eliminates needs for backup windows
- Superior performance with both large numbers of small files and for very large files such as databases

Target-side Data Deduplication
- Reduces the amount of disk capacity required
- Post process does not impact backup or application server process

Point-in-time Recovery
- Roll back to any previous point in time to recover from accidental deletions, virus attached, rolling corruptions, etc.
- Maintain any number of previous generations

Remote Office Support
- Reduces costs of backup system management
- Improves backup and recovery service levels
- Improve reliability and minimize recovery failures

Central Management
- Centrally manage all backup and recovery operations
- Manage both local and remote offices

Full Automation
- "Set it and forget it" policy engine
- Self-managing repository always has a set number of data iterations on hand for easy rollback and fast recovery

Application Aware
- Support for the most popular Windows and Linux-based applications, including IBM DB2, Microsoft Exchange and SQL, Oracle and mySAP
- Optional IBM Tivoli Storage Manager for Microsoft Exchange component recovers granular Exchange data objects quickly

HOW IT WORKS

The STORServer Backup Appliance with Instant Restore uses a block-level incremental forever backup method for both file system data and applications/databases. This backup methodology is critical to the instant restore capability that significantly decreases RPO/RTO.

A policy engine allows you to balance recovery requirements with the costs of storage and bandwidth on a per-application basis.

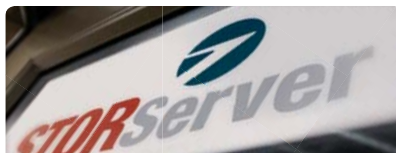**Instantly recover files, folders, volumes, and entire systems:**
- FastBack Mount: drag-and-drop individual files from the backup repository
- Instant Restore: provide instant access to large volumes while they are restored in the background
- Bare Metal Recovery: bring up an OS volume on a dissimilar server in less than 1 hour*

STORServer Instant Restore gives you the power to quickly recover any Microsoft® Windows® or Linux® server data, anywhere in the organization, from any point in time.

Additional STORServer Instant Restore features provide support for:
- Branch or remote office backups by allowing replication of the branch office repository to a central DR site or main data center. This replication supports compression and encryption and there is a centralized monitoring interface to manage backups and replication from multiple branch offices.
- VMware guests running supported operating systems and applications.
- TSM by allowing the contents of snapshots to be sent to TSM while retaining the original ownership and location of the backup data. The data can be sent to TSM from the branch office or the data center and can be restored directly from TSM to the client.
- A specific tool to perform granular Exchange restores (IMR) and can also provide granular restores for files, any application or database by allowing data to be accessed in the Instant Restore repository by the owning application.

Timeframe based on typical installations that implement standard industry best practices for application servers.

ABOUT STORSERVER

STORServer, Inc., headquartered in Colorado Springs, CO, is a leading provider of data backup solutions for the mid-market. We offer a complete suite of appliances, software, and services that solve today's backup, archive and disaster recovery challenges. For more information on STORServer, please visit the company's website at www.storserver.com.

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