



Help protect critical systems and data with IBM Tivoli Storage Manager FastBack Center

Highlights

- **Leverage advanced data backup and recovery technologies in small and midsized organizations and remote offices**
- **Provide continuous and automatic data protection, enabling recovery from any point in time**
- **Get applications and users back up and running within minutes following a data loss, while full data recovery is performed in the background**
- **Provide bare machine recovery following a disaster or server failure, even to dissimilar hardware or to virtual machines**
- **Recover Microsoft® Exchange data within minutes—from individual e-mail messages to entire folders or databases**

In today's always-on environment, losing critical data or losing access to critical applications can be disastrous for any business. Protecting data and ensuring application availability are often special challenges for small and medium enterprise environments and for remote offices, which may not have the resources typically required to provide data center class protection and recovery.

In smaller environments and in remote offices, backups are typically performed by non-IT personnel who have other jobs to do and who, as a result, may be more likely to forget to run the backup. Or they're performed using tape-based systems that may rely on manual processes. The tapes themselves may be vulnerable to loss or theft, especially

if they are routinely transported off-site for disaster recovery purposes. The problem posed by all of these scenarios is that if the data isn't backed up, isn't backed up properly, or is lost or stolen, it can't be restored when something goes wrong.

An extensive set of backup and restore capabilities

IBM Tivoli® Storage Manager FastBack™ Center provides an extensive set of integrated tools for reliable backup and restore on the types of systems with which small or medium enterprise environments and remote offices are often equipped. This solution makes it possible to recover data and maintain operations, in almost any circumstance—from lost, deleted, or corrupted files, to a disk or server crash, to a physical disaster.

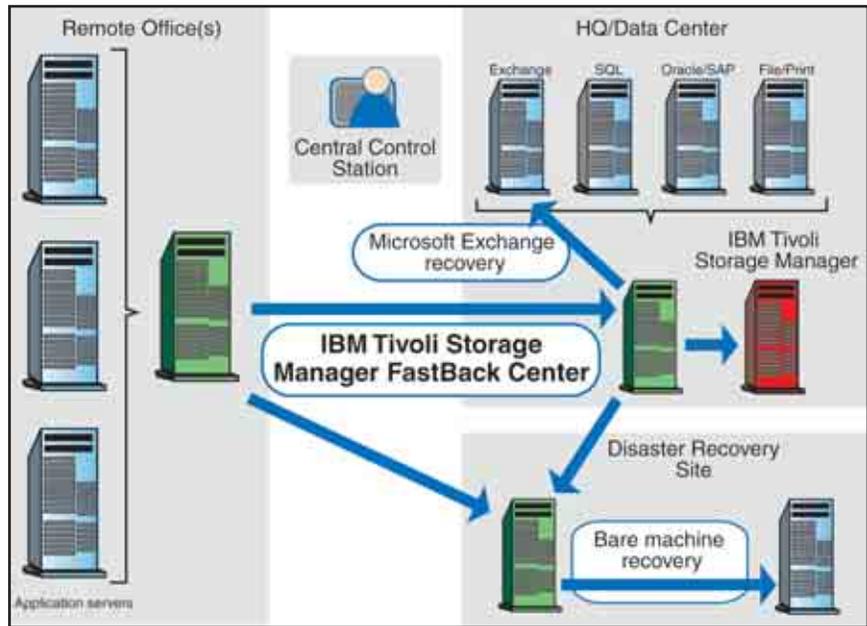
Tivoli Storage Manager FastBack Center includes the following components to address the broadest spectrum of backup and restore challenges:

- *IBM Tivoli Storage Manager FastBack—disk-based, block-level incremental backup of Microsoft Windows® servers with near-instant recovery of data assets*
- *IBM Tivoli Storage Manager FastBack for Microsoft Exchange—recovery of any Microsoft Exchange data object*
- *IBM Tivoli Storage Manager FastBack for Bare Machine Recovery—fast restoration of servers, even to dissimilar hardware or to a virtual machine*

Helping reduce the risk of business disruption

Tivoli Storage Manager FastBack Center continuously captures data changes, providing non-disruptive data backup as often as it's needed and enabling data to be recovered from any point in time. It also includes a near-instant restore capability that gets applications and users back up and running within minutes following data loss, while full data recovery is performed in the background.

With these capabilities, Tivoli Storage Manager FastBack Center can be used in place of traditional tape backup applications or in conjunction with



IBM Tivoli Storage Manager FastBack Center provides continuous data protection, granular recovery of Microsoft Exchange data, and powerful bare machine recovery capabilities.

them. When used as an intermediary disk-based layer in a tape backup environment, the solution allows for significantly faster backup and recovery while typically eliminating the need to shut down applications when running backup jobs.

Even in the event of a catastrophic server failure, Tivoli Storage Manager FastBack Center provides systems recovery, including operating systems, applications and data. Its bare machine recovery capabilities make it possible to quickly recover entire systems to a

comparable server, to a new server with different hardware, or even to a virtual machine using VMware or Microsoft Virtual Server. This capability can be invaluable in the event of a physical catastrophe such as fire or flood; without it, a company's operations could remain shut down for days, weeks or longer.

Integrating remote and central operations

The ability to recover data from remote offices is becoming increasingly crucial as the number of remote offices grows and the amount of data in them increases. Because Tivoli Storage Manager FastBack Center is an integrated component of IBM Tivoli Storage

Manager, it makes it easy for organizations with remote offices to add remote data to their core storage-related processes such as archive, retention and compliance. The software's adaptive disaster recovery capabilities also make it easier to send copies of remote data to a central site or to a disaster recovery site while helping to minimize the risk of data loss during transport.

Providing granular recovery of Exchange data

Tivoli Storage Manager FastBack Center goes beyond recovery of entire databases and applications to enable recovery of specific Microsoft Exchange data objects—such as e-mail messages, attachments, contact lists, calendars, tasks and journal entries. It can be invaluable in situations when e-mail messages have been inadvertently deleted, for example, or when data objects have been lost due to problems such as synchronization errors. It can even be used to recover objects from corrupt databases. In many cases, the types of data objects recovered by Tivoli Storage Manager FastBack Center would be difficult or impossible to recover without it.

For more information

To learn more about how Tivoli Storage Manager FastBack Center can provide backup and restore capabilities that can better protect your organization's

Addressing data protection problems with IBM Tivoli Storage Manager FastBack Center

Problem	Consequence	Tivoli Storage Manager FastBack Center Solution
Failed or improper backup	Risk of data losses until next scheduled backup	Automated, continuous, non-disruptive data protection
Accidental or malicious deletion of files	Painstaking reloading of tapes; risk of overwriting newer data	Simple drag-and-drop process to restore files
Corruption of critical database	Days of downtime until an expert can correct the problem	Virtual restore capabilities for on-demand point-in-time access
Loss of important e-mail or contact information	Permanent loss of the data	Simple drag-and-drop process to recover any data object
SQL Server disk crash	Hours or days of downtime	Virtual restore capabilities for near-instant recovery
Flood, fire, or other disaster	Business losses until restart of operations in a new facility	Recovery of workload on another server typically within an hour

systems and data, contact your IBM sales representative or IBM Business Partner, or visit ibm.com/tivoli

About Tivoli software from IBM

Tivoli software offers a service management platform for organizations to deliver quality service by providing visibility, control and automation—visibility to see and understand the workings of their business; control to effectively manage their business, help minimize risk and protect their brand; and automation to help optimize their business, reduce the cost of operations and deliver new services more rapidly. Unlike IT-centric service management,

Tivoli software delivers a common foundation for managing, integrating and aligning both business and technology requirements. Tivoli software is designed to quickly address an organization's most pressing service management needs and help proactively respond to changing business demands. The Tivoli portfolio is backed by world-class IBM Services, IBM Support and an active ecosystem of IBM Business Partners. Tivoli clients and Business Partners can also leverage each other's best practices by participating in independently run IBM Tivoli User Groups around the world—visit www.tivoli-ug.org



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