

*Losing data could shut your company down. Automate data backup tasks with protection services priced for mid-sized companies.*



## **IBM Business Continuity Solutions for Mid-sized Companies: Managing Data Backup**



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### **Highlights**

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- ***Protect your critical assets with a centralized, comprehensive data backup solution***
- ***Keep your data safe and restorable***
- ***Back up your files and documents in real time***
- ***Rely on trusted tape libraries and hardware***

### **Protecting a critical asset can be difficult and costly**

A large percentage of organizations that lose their data shut down permanently (Source: Gartner, “Disaster Recovery Plans and Systems Are Essential”), so they have a responsibility to manage critical business information properly. If you, your suppliers and your customers cannot easily access information, most likely you will experience significant delays in your business processes and this can adversely affect your bottom line.

Furthermore, data retention and recovery requirements have changed dramatically and transactions have increased substantially over the last five years. Therefore, you must not only protect your data to meet business needs but also to comply with state and federal data retention requirements. But, without efficient and appropriate data backup strategies and processes, it can be difficult to recognize potential threats to your system uptime, perform effective data recovery and meet today’s recovery requirements.

Organizations are often unaware of both the costs and the capabilities of their current backup process—making it difficult to compare solutions and justify adopting a new solution. Protecting data by replicating it at remote data centers can be effective but costly. Add poorly implemented storage architecture to the mix and your company might end up purchasing a large amount of storage, additional tape libraries and backup licenses that you don’t need.



### **A centralized, comprehensive data backup solution**

IBM and our Business Partners recognize that protecting, storing and backing up your data can be a significant challenge, especially in light of how much data your company generates each year—not to mention the fact that a substantial loss of this data can grind your business to a halt. Therefore, we have created an easy-to-manage backup system that:

- *Can be inexpensively deployed to a single server*
- *Can be easily managed without specialized skills or resources*
- *Provides a disk-based backup system for fast recovery of lost data*
- *Provides a tape-based backup system for offsite storage of critical data*
- *Reduces the demand on help desk and support personnel with simple, self-service file recovery requests*

The IBM data backup solution for mid-sized companies is a centralized, comprehensive solution. It employs smart data moves and smart data store technology so that backups and restores are as fast, flexible and low-impact as possible. It includes storage management software from IBM Tivoli® installed on IBM System x™ hardware and System Storage™ tape libraries.

The basis for this solution is the Managing Data Backup Starting Point in Solutions Builder Express that IBM created and your IBM Business Partner can use as a blueprint for creating the best solution for your business. Offered as part of the solution are the value-added services of experienced IBM Business Partners who know your market and your needs.

### **Keep your critical data safe and restorable**

Mid-sized companies need data backup solutions that are equally as reliable as those built for bigger enterprises but without the large price tag. Designed with this in mind, IBM Tivoli Storage Manager Express delivers the same reliability and robustness as those solutions used by large companies, but in a smaller footprint to fit the needs of a smaller business.

Tivoli Storage Manager Express automates data backup and restore functions for a broad range of platforms and storage devices. You can centralize storage management operations, reduce backup windows and data recovery times and support efforts to maximize data availability and responsiveness to your customers, suppliers and partners.



To make sure that all your bases are covered, two complementary products of Tivoli Storage Manager Express help protect your Microsoft® Exchange data and your Microsoft SQL Server™ databases. IBM Tivoli Storage Manager Express for Exchange automates the data protection of mail servers running Microsoft Exchange with online backups of Exchange Server databases and transaction logs to IBM Tivoli Storage Manager Express server storage.

IBM Tivoli Storage Manager Express for Microsoft SQL provides online, hot backups and restores of Microsoft SQL Server databases. It communicates with a centralized backup server and its disk storage, which holds the backed-up data. As a result, you can perform online backups of the primary components of your SQL Server

environment easily and efficiently, including master databases, user databases and transaction logs.

#### **Back up your files and documents in real time**

Spreadsheets, presentations and word processing documents that your staff worked on most recently are valuable business data that can go unprotected for long periods of time when backups are performed at scheduled intervals. Because mid-sized businesses have a greater percentage of their data on notebook and desktop computers than large enterprises, backing up this data is especially important.

With IBM Tivoli Continuous Data Protection for Files, you can back up files that are on desktops, notebook computers, file servers and mobile devices. You can specify as many as

three target backup areas for high-priority files: a local disk, a file server and an IBM Tivoli Storage Manager server. These areas capture every save of a file when it occurs to help protect against corruption, file loss or system loss. Tivoli Continuous Data Protection for Files also:

- *Creates versions of separate copies of the files to facilitate date-based restore*
- *Auto-manages the local backup target area as a pool with a configurable size, deleting old versions to make room for new versions*
- *Includes the option of specifying a remote file server or Tivoli Storage Manager for off-machine protection when a user is connected, so real-time backup still occurs*
- *Provides offsite copies of backup data for vaulting, auditable disaster recovery plan, tape and media management*



This software runs in the background for maximum efficiency while remaining undetected by most users. If you experience a failure, you and your employees can recover the versions of the document that they were working on without involving your IT department. This can help control your storage administration costs.

**Store your data on trusted disks, tape libraries and servers**

A complete, comprehensive data backup solution requires more than just software. Storage media and hardware are also important considerations. IBM offers several options from the IBM System x and System Storage families as part of our solution for managing data backups. For your disk storage you could use the IBM System Storage DR 550 Express. For your tape library, you can choose the IBM System Storage TS3100 Tape Library Express or the TS3200 Tape Library Express.

IBM System Storage DR550 Express can help address your regulatory and compliance requirements by supporting affordable, policy-based, non-erasable, non-rewritable storage with preconfigured, integrated hardware and software. Its pre-installed features with unique customization provide additional data protection. IBM System Storage DR550 Express also:

- *Offers advanced data protection options such as encryption and policy enforcement*
- *Features a broad suite of software for policy-based and event-based data management*
- *Automates provisioning, migration, expiration and archiving*
- *Includes a high-availability option for avoiding single points of failure*
- *Provides optional synchronous and asynchronous data replication between local and remote sites*

IBM System Storage TS3100 Tape Library Express is a flexible solution that supports cost-effective, reliable backup, save and restore and archival storage in sequential or random access mode with a standard bar-code reader. This solution is well-suited for midrange and network tape-storage environments. It includes a standard Web interface for remote library management, delivering greater administrative control of storage operations.

The TS3200 Tape Library Express is an external 4U standalone or rack-mountable unit that incorporates up to two IBM TotalStorage® Ultrium 3 Tape Drives. It is an excellent tape storage solution if you have existing digital linear tape experience or if you need high-performance automated tape backup. It is also designed for organizations that have limited physical space in their IT environments.



Both tape libraries are highly compatible with IBM System x. You can choose the System x3400 and x3500 tower servers or the rack-mounted x3650. The IBM System x3400 provides the ultimate balance of flexibility, performance and configuration, priced right for mid-sized businesses. It is ideally suited for mid-sized companies that are experiencing growth. With the IBM System x3500, you can take advantage of virtualization. Deploy an infrastructure with less hardware that supports the same—or more—applications with lower hardware support costs.

The IBM System x3650 server is well-suited for mid-sized companies that want to minimize deployment and support costs. Designed for small or tightly constrained data center environments, it offers high

performance and reliability. Optimized for up to eight-core processor performance, it delivers rack-dense, dual-core or quad-core computing power, 12 dual in-line memory module (DIMM) memory and efficient network communication.

#### **Value-added services from IBM Business Partners**

IBM's vast network of Business Partners has deep experience and expertise with mid-sized companies just like yours in every industry with the added value of local presence. With the support and backing of IBM, they are able to deliver simple, affordable, customized applications and solutions built on IBM offerings that meet your needs at a price you can afford. And now, our Business Partners have enhanced capabilities to help you find the right IBM resources.

#### **IBM understands your needs**

IBM and our Business Partners truly understand the demands of running a mid-sized business. Our Express offerings from Tivoli, System x and System Storage are designed to meet your needs, offering simply packaged, modular, easy-to-buy, easy-to-manage and affordable business continuity solutions. You can implement a data backup solution quickly with limited up-front investment, freeing you to focus on serving your customers and building your business.

And unlike business continuity solutions from other solution providers, IBM and its Business Partners bring mid-sized companies the best of both worlds—a comprehensive line of best-in-class hardware, software and services and local experience and expertise.



**Avoid the consequences of lost data**

The IBM managing data backup solution is sized and priced to help mid-sized organizations address the challenges of maintaining high data availability. Like any company, a disaster, system outage or even simple file corruption can cause you to lose important files, yet often mid-sized companies like yours simply don't have the resources to implement and manage elaborate back-up systems. IBM's reliable solution for mid-sized companies can help you avoid the consequences to your business, reputation and competitive advantage that can occur when data is lost.

To speak to an IBM representative about our solution for managing data backup or any of our other solutions for mid-sized businesses, please call 1-877-IBM-ACCESS.

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