IBM Comprehensive Data protection Solution Express

Overview:

The new IBM Comprehensive Data Protection Solution Express includes hardware and software that mid–sized organizations need to enhance data protection capabilities in a Windows environment. This solution helps clients restore access to e–mail, files, and databases within seconds, rather than the hours or days it takes to restore using traditional backup solutions.

The solution consists of Tivoli FastBack, System x3550 server and IBM DS3000 Express/DS4000 Express/DS5000 series storage. The solution offers Microsoft Windows Server based customers the perfect balance of data protection and recovery. Companies relying on manual tape as their primary backup and recovery medium will have faster, more reliable recoveries. For companies with remote offices, the burden of backup and recovery is removed from the non-IT savvy staff and moved to the central data center where the expertise resides. With Fastback and IBM System Storage, downtime is greatly reduced. Tivoli Fastback is based on continuous, frequent and scheduled policy based backups, and when paired with IBM system storage, data recovery is quick and easy for both remote workgroups and central office environments. And for those who need application and server level protection, Fastback makes recovery of transactions, emails and even servers quick and simple.

Tivoli Fastback provides you value with:
- Patented express mount technology for instant, disk based recovery: Tape can take hours or even days to recover lost data, which means expensive downtime and low success rates. Fastback and IBM Storage reduces recovery time to minutes and ensures recovery reliability to the transaction level.
- Protection for both servers and applications: Fastback and IBM Storage protects Windows Servers, offering bare metal restores, and application level protection for Oracle, SQL, Exchange and SAP.
- Easy administration: Eliminate user error and much of the time spent managing backup and restores. "Set it and Forget it" policy engine.
- Granular data protection for Exchange and SQL Server: Fast, reliable recovery of individual files, emails, database transactions as well as entire volumes. Recover data and get back to work in minutes.
- Regulatory Compliance: Accurately retaining and rapidly accessing data required by compliance and discovery policies.

IBM System x server features include
- Dedicated server to run TSM FastBack server for high-performance that maximizes your IT investment
- Go green and save with new design and tools for optimized power management

IBM System Storage features include:
- Easy-to-use storage management software common across the DS3000 and DS4000 families. Task driven interface makes managing storage fast and easy.
- The ASIC based RAID 6 protection with outstanding performance
- Single Enclosure Tiered Storage: Put high performance Fibre Channel or SAS and high capacity SATA drives in the same enclosure, reducing costs by eliminating the need for multiple drive enclosures.
- Dynamic Features: enable flexible storage management with very fast provisioning times
- DACstore: Volume group metadata is stored on all drives in the array, which allows drives to be relocated within the storage system to improve channel utilization/protection or even migrated as a complete volume group into another storage system.

Which System is right for you?
- **DS5000** System Storage for the highest performance, stability and scalability, engineered for the most demanding mid-range and high-performance computing environments.

- **DS4800** models 82, 84 and 88 storage systems offer outstanding performance with bullet-proof availability.
- **DS4700** Fibre Channel storage systems are optimized for the mid-range.
- **DS4200** storage systems offer cost-effective SATA technology.
- **DS3400** storage system is a great choice for entry-level Fibre Channel SANs.
- **DS3300** entry level storage system is an affordable iSCSI-based storage solution for IP network-based storage.
- **DS3200** entry level storage system is a Serial-Attached-SCSI (SAS) design supporting up to 3 IBM System X or BladeCenter servers, offering Fibre-Channel-like performance and reliability at lower costs.

Product framework

Family overview

DS3000 Series Storage	Fast, affordable storage for SMB and Remote Offices
DS4000 Series Storage	The best value for medium to large company systems
DS5000 Series Storage	Best in class performance for the most demanding applications
x3550 server	High-performance System x design maximizes your IT investment
IBM Tivoli Storage Manager FastBack	Disk-based, block-level, progressive-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