

An affordable preconfigured ready to install solution designed to help small and medium businesses manage and retain regulated and non-regulated data



IBM System Storage DR550 Express



Data kept for extended periods of time poses a challenge for many organizations. Business data that is deemed worth saving and protecting is known as retention-managed data, and needs to be retained and protected over a period of time and then properly disposed of. Retention managed data is often stored in various archives and repositories in an unstructured way. As organizations examine their data retention needs to address corporate governance and federal and local regulations, they must keep necessary documents and records to ensure they're accessible and available when needed. Overall, the management and control of retention-managed data can be a significant challenge when taking into account other factors such as cost, latency, bandwidth, integration, security, privacy and life expectancy.

Highlights

- ***Designed as a preconfigured, integrated offering to help store, retrieve, manage, share and retain regulated and non-regulated data***
- ***Advanced security and data protection options such as encryption, authentication and policy enforcement are standard***
- ***Very affordable, high-performance offering providing the same retention management capabilities of the enterprise versions of the IBM System Storage™ DR550***

The IBM System Storage DR550 Express is designed to help smaller businesses address the growing challenge of managing and securing retention managed data and other critical information assets with operational efficiency.

Providing advanced storage management capabilities

Well suited for archiving email, digital images, database applications, instant messages, business transactions, contracts or insurance claims and other types of storage records, the DR550 Express provides advanced storage management technology to enable the management and enforcement of data retention policies. The DR550 Express' policy-based archive data retention capabilities support non-erasable, non-rewritable object storage and helps address the needs of industries and businesses with long-term data retention and protection requirements.

Data encryption for enhanced security

Enabling companies to protect their data when transmitted over network or saved to disk, encryption of data can help provide enhanced security for businesses via 128 bit AES or 56 bit DES encryption technology. Encryption options allow the DR550 Express to

manage encryption keys (key management) transparent to the application or allow an application to manage encryption keys externally to the DR550.

Advanced data-retention features

The DR550 Express is designed to provide a number of advanced capabilities, including:

- *Ability to manage data that has no explicit retention period, such as employee (as long as employed) and customer (as long as account is open) data, through an event-based records management feature. It is also an attractive feature for data records that have a specific retention period that can be terminated early (for example mortgages, or financial time deposits that can be paid off or paid on early), or for those documents that have no specific retention period (for example, insurance policies). It can help protect these records from deletion until a specific event occurs*
- *Enable data management on multiple tiers of storage (tape, optical, CD, DVD, etc.) using a tiered storage management feature to provide a more cost-effective solution*

Not too big. Not too small.

Designed for mid-sized business, the IBM Express Portfolio of offerings is just right. Each and every offering that's part of the IBM Express Portfolio is certified to ensure three simple features:

- 1. Easy to install and deploy**
- 2. Easy to manage**
- 3. Competitively priced**

The IBM Express Portfolio of offerings are scalable and have the features and functionality you'll need to meet your technology needs, including hardware, software, services and financing. Since they are priced just right for mid-sized businesses, you know you'll get more out of your investment.

- *Allow a designated retention date to be suspended through a deletion hold management feature in the event that a record or set of records needs to be retained for legal, audit or other reasons*
- *Help protect data by preventing explicit, irretrievable data deletion before retention criteria expiration*
- *Enforce data protection policies that maintain the data in non-erasable and non-rewritable formats*
- *System Storage Archive Manager Client permits users to automatically archive files from their workstations, or file servers to data retention protected storage, and to easily retrieve archived copies of files to their local workstations or file servers.*

Disaster recovery protection

IBM's System Storage DR550 Express solution can also help protect customer data during disasters. The DR550 Express solution provides native support allowing businesses to use tape libraries with advanced LTO Gen 3 tape drives with WORM capabilities to provide efficient and cost effective replication of data objects. The DR550 Express database supports recovery in the event of a failure or the need to relocate to an alternate facility.

Delivered as an integrated solution

The IBM System Storage DR550 Express is a comprehensive, preconfigured offering designed to help businesses store, retrieve, manage, share and protect regulated and nonregulated data. It offers archival and retention capabilities to help organizations address growing retention of management data, whether driven by increasing regulations or evolving business requirements. This integrated offering can be further protected within an optional 25U rack with lockable front and rear doors for added security.

Ordered, delivered, and installed as an integrated solution, DR550 Express provides upgrade options for connectivity and storage capacity, helping to manage 1.1TB of physical disk storage capacity, upgradeable to 3.9TB or 6.7TB. It also supports external storage devices such as optical or tape systems for expansion to hundreds of TB in storage capacity. Because tape is much lower cost than disk storage, it is well suited for long-term retention of large quantities of archive information. The DR550 uses policies to manage information across both disk and tape

systems, which enables it to help deliver exceptionally low overall cost of ownership while also delivering outstanding performance.

Offering high reliability, scalability and performance

Operating in conjunction with an enterprise content-management application,¹ the DR550 Express solution is designed to offer a single interface to manage storage allocation and address application demands. The DR550 Express helps bring high reliability, scalability and performance features to open-systems and mainframe environments. It also features redundant hardware elements, automatic data retention capabilities, and SNMP monitoring enhancements for proactive system problem prevention and correction.

Technology for an on demand era

In an era in which businesses are integrating processes across the enterprise, the DR550 Express is designed to help companies become on demand businesses, responding with flexibility and speed to customer demands, market opportunities or competitive threats. The DR550 Express' integration, support of open standards and automatic data retention capabilities can help companies become better positioned to

meet the on demand requirements of storing, retrieving, managing, sharing and securing retention-managed data.

Optional IBM Global Services

At the intersection of technology and business, Business Consulting Services (BCS) from IBM Global Services can assist clients in developing and implementing strategies for storing, retrieving, managing, sharing and securing retention managed content data on demand. These strategies can help companies address critical issues such as financial and regulatory reporting and compliance.

At the same time, IBM Global Services can help clients take a broad-based approach to managing data through enterprise-wide performance management and business intelligence services in a way that supports the basic building blocks of planning, managing and optimizing the business. These solutions can be designed to link performance measures with strategy

and cascade these measures and analysis throughout the organization in a timely, cost-effective manner providing useful, relevant information throughout the enterprise.

Other optional services available include:

- *IBM “carefree” services bundle includes onsite software/firmware upgrades and three year warranty repair and maintenance for IBM System Storage DR550 (24x7, four hour response). This bundle provides:*
 - *Three year warranty maintenance service for all DR550 components, including IBM onsite repair,(three year warranty maintenance services are also available as a separate offering).*
 - *Onsite software/firmware upgrades for up to two onsite visits per year, including firmware and software component upgrades and patches to provide proactive maintenance and ensure DR550 system currency.*

- *IBM Implementation Services offering for the IBM System Storage DR550 can help provide assistance in planning, installing, and configuring new System Storage data retention equipment or capacity upgrades.*
- *IBM MES services that provide options or upgrades for existing installations.*

Also available is a separate Service Suite three year maintenance upgrade for the IBM Systems Storage DR550. This upgrade is recommended as it enables the customer to upgrade to a common (24x7, four hour response) warranty and maintenance period for all hardware and software components of the DR550 Express.

IBM System Storage DR550 Express at a glance

Servers

- Single server configuration
- Based on IBM @server pSeries® POWER5™ platform
 - Ethernet connections
 - Flat panel monitor
- 25U Optional Rack with lockable front and rear doors

Software

- IBM System Storage Archive Manager, Version 5.3.2
- IBM AIX®, Version 5.3

RAID

RAID level 5

Capacity

- 1.1TB raw disk storage, 1TB usable disk storage
 - Upgrade capacity is available to 3.9 or 6.7TB via SATA expansion modules
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For more information

Contact your IBM representative or IBM Business Partner or visit:

- ibm.com/eserver/express
- ibm.com/servers/storage/disk/dr/express/index.html



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¹ Please refer to our DR550 Interoperability Matrix at ibm.com/servers/storage/disk/dr/interop.html for up-to-date interoperability listings.

² For more information about IBM autonomic computing, visit ibm.com/autonomic or ibm.com/developerworks/autonomic