

IBM TotalStorage DR550



Data that is kept for extended periods of time poses a challenge for many organizations. Known as retention-managed data, it's most often stored in archives and repositories. As organizations address their data requirements, including regulatory and legal compliance, they must ensure that necessary documents and records are 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.

The IBM TotalStorage DR550 is designed to help businesses meet the growing challenge of managing and securing retention managed data and other critical information assets with operational efficiency.

Highlights

- ***Designed as a preconfigured, integrated solution to help store, retrieve, manage, share and secure regulated and non-regulated data***
- ***Designed to offer automatic provisioning, migration, expiration and archiving capabilities***
- ***Can allow you to scale your Data Retention system to petabytes by combining WORM tape in conjunction with the IBM TotalStorage® DR550***
- ***Supports enterprise scalability of up to 56TB physical capacity***
- ***Offers a comprehensive suite of software tools for policy- and event-based data management***
- ***High availability option designed to avoid single point of failure***
- ***Data encryption for disk and tape***

Providing advanced storage management capabilities

The DR550 uses IBM Tivoli® Storage Manager for Data Retention¹ for management and enforcement of data retention policies. The solution's policy-based archive data retention capabilities are designed to support nonerasable, nonrewritable data storage. Using an established archive application programming interface (API), it helps address the needs of regulated industries and other businesses with long-term data retention and protection requirements.

Industry-leading data-retention features

The DR550 brings a number of industry-leading capabilities to the data retention marketplace and is designed to:

- *Enable management of 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 can protect these records from deletion until a specific event occurs.*

- *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.*
- *Enable data management on multiple tiers of storage, using a Hierarchical Storage Management feature, to provide a more cost-effective solution.*
- *Help protect data by preventing explicit data deletion before the retention criteria expiration.*
- *Enforce data protection policies that maintain the data in nonerasable and nonrewritable formats.*

Delivered as an integrated solution

The IBM DR550 is designed to help organizations store, retrieve, manage, share and secure regulated and non-regulated data by integrating and delivering a solution as a single unit. It offers archival and retention capabilities using the latest in Serial Advanced Technology Attachment (SATA) disk drives to help organizations meet new government and industry regulatory requirements.

The DR550 is designed to integrate IBM @server® technology, SATA storage disk drives, Fibre Channel switches, Redundant Array of Independent Disks (RAID) technologies, and policy- and event-based data management program code as a comprehensive, preconfigured offering.

Ordered, delivered and installed as an integrated unit, the IBM DR550 storage offering provides upgrade options for connectivity and storage capacity, helping to manage up to 56TB of physical disk storage capacity per system.

Offering enterprise-class reliability, scalability and performance

Operating in conjunction with an enterprise content-management application², the DR550 helps enable centralized management through a single interface to support storage allocation and address application demands. The architecture of the DR550 is designed to bring enterprise-class reliability, scalability and performance to open-systems and mainframe environments. It features hardware redundancy and elements of IBM autonomic computing technologies.³

IBM TotalStorage DR550 at a glance

Nodes

- Single and Dual Node Configuration
- Based on IBM @server pSeries® POWER5™ platform
 - Fibre Channel adapters
 - Ethernet adapters

Storage controller

- One or two IBM TotalStorage DS4100 (depends on capacity)
- Maximum of 16 IBM TotalStorage DS4000 EXP100 units each with 250GB SATA hard disk drives.
- Fibre Channel Switch—IBM 2005-H08
IBM 7014 Rack Model T00
 - Rack Security feature
 - Additional power distribution units (PDUs)

Software

- IBM AIX®, Version 5.2
- IBM Tivoli Storage Manager for Data Retention, Version 5.3
- HACMP™ 5.1 (Dual-node configuration)

RAID

RAID level 5

Capacity

Single Node - 3.5 and 7TB, Dual Node - 3.5, 7, 14, 28 and 56TB configurations

Technology for an on demand era

In an era in which businesses are integrating processes across the enterprise, the DR550 can help companies become on demand businesses, responding with flexibility and speed to customer demands, market opportunities or competitive threats. The solution's integration, support of open standards, and autonomic capabilities can help companies become better positioned to meet the on demand requirements of storing, retrieving, managing, sharing and securing retention managed data.

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 are designed to 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 holistic approach to compliance 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:

- *QuickStart Services for IBM Tivoli Storage Manager Component of the IBM TotalStorage DR550*
- *IBM RAID Conversion Services for the IBM TotalStorage DR550*
- *IBM Implementation Services Offering for the IBM TotalStorage DR550*