

IBM XIV is an open-disk storage solution that represents the next generation of high-end Storage Area Networks (SAN) system. It uses a single-architecture approach to provide a winning strategy for ensuring compliance, simplifying operations and improving performance and reliability. Most important, it provides all these advantages while delivering an incredibly affordable total cost of ownership (TCO).

The business problems we're solving

Most businesses need large amounts of storage to deliver advanced web services and support current requirements and future initiatives. Many of these businesses would like to leverage the capabilities of an enterprise-class solution but lack the resources to implement a complex storage array.

IBM XIV Storage System solves this problem using a revolutionary open-disk system that allows customers to create flexible, reliable and responsive IT infrastructures using inexpensive SATA drives.

Solutions benefits

Implementing a high-end storage system is more affordable than you might think. For a reasonable investment, you can improve your infrastructure and:

- Ensure regulatory compliance and data availability
- Reduce power, cooling and space requirements
- Simplify system management
- Implement a scalable solution that allows you to add capacity as needed.

An overview of our solutions

IBM XIV software is available in a scalable partial rack configuration with 27 TB to 79 TB of usable storage. Its design is based on a grid of standard Intel®/Linux® components connected in an any-to-any topology using Gigabit Ethernet.

IBM XIV includes built-in virtualization and powerful management tools that dramatically streamline system management and monitoring. An intuitive interface allows you to quickly migrate existing data to new storage or integrate additional storage into an established storage environment without disrupting ongoing business processes. A powerful self-healing feature enables the system to rebuild a 1 TB drive in as little as 30 minutes.

How this solution helps

Ensure compliance and data availability

Built-in virtualization assigns physical resources to logical entities. If a storage failure occurs, self-healing features allow the system to reconstruct lost data from local drives and remote backups. Rapid data restorations are possible because of the system's unique, grid-based, N+1 system redundancy.



Reduce storage and energy costs

Advanced functions such as thin provisioning, snapshots and remote mirroring dramatically streamline system overhead requirements and allow you to use existing resources more fully. When additional storage is needed, the system's architecture allows you to increase performance along with capacity. Most competing storage systems only support an increase in capacity—not performance.

Together, these advanced features allow you to manage your storage needs more efficiently while avoiding the significant costs associated with maintaining standby capacity that may – or may not – be needed to meet new demand.

Simplify system management

Overall system administration is easier because key tasks, such as volume distribution, load balancing and capacity scaling are easily automated. An intuitive graphical user interface (GUI) makes managing storage simple—even allowing busy workers to provision new resources in less than one minute.

The system's powerful command line interface (CLI) enables advanced users to quickly write complex scripts for high-level administration and integration requirements. A configurable event notification engine provides systems alerts via email, SMS or SNMP traps. Escalation of alerts ensures that events are addressed within a specific timeframe.

Implement a scalable storage solution

The system's single architecture can provide more storage, interfaces, cache, CPU power and internal bandwidth as your business requirements change. Unlike traditional storage systems, IBM XIV's state-of-the-art thin provisioning capabilities enable you to tailor your physical capacity to your actual data needs. The result is storage that consumes less hardware, power and space while delivering the high reliability businesses need to stay competitive.

Businesses that need this most

Manufacturing, Communications, Industrial, Public, and Financial

Because of our data-driven economy, many businesses need vast amounts of reliable, affordable and efficient storage. With its strong feature set and intuitive controls, IBM XIV allows these organizations to meet this key requirement with less system complexity and a lower TCO.

To learn more, contact:

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