Boost Performance, Efficiency and Insights with All-Flash Solution

Simple, Scalable, and Secure Data Management

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Highlights
- End-to-end protection

- Fast and safe recovery for minimized downtimes

- Lower TCO than disk-based alternatives

- Increased productivity

- Faster time to data reuse and value

Many organizations today are moving toward a diskless data center, embracing all-flash for all data because of its superior speed and lower total cost of ownership. With all-flash solutions, IT teams are better positioned to realize incredibly fast performance for backing up, recovering, accessing, and deriving insights from all their data.

The combination of IBM Storage Defender Data Protect and Helios provides a simple, scalable, and secure data management solution. This integrated platform simplifies, streamlines, and accelerates your data management, ensuring your data remains safe and compliant.

It also speeds NAS workloads for quicker data access, offers unmatched efficiency, and allows organizations to do more with their data faster and safer. The result: secure data management, lower TCO than disk-based alternatives, increased productivity, and faster time to value.

Power Your Data Management with I/O Boost

Certified all-flash systems with I/O Boost deliver 2x-8x[1] performance improvements for backup, files and objects, disaster recovery, and other data management use cases compared to equivalent disk-based systems without I/O Boost.

The capability delivers better performance, efficiency, and faster time to value—all through an enhanced architecture for storing and accessing metadata for faster metadata-intensive operations on certified all-flash servers. For example, it supports seamless and parallel storage and access for metadata and data, intelligent placement of data and metadata on flash, and optimized quality of service policies to maximize peak performance for workloads. Moreover, it makes flash-based systems more affordable with even greater consolidation.

IBM.

€1 million

Fines for avoiding compliance might cost up to €1 million for individuals

Protect your Data and Remain Compliant

By proactively managing data risks, maintaining reliable copies across storage and backup systems, and enabling rapid recovery in the face of incidents, IBM Storage Defender directly addresses governance and compliance requirements for data protection and incident response, thereby significantly reducing the risk of non-compliance and costly fines associated with insufficient security measures or failure to notify and protect data subjects during a breach.

IBM Storage Defender helps organizations avoid compliance fines such as Digital Operational Resilience Act (DORA) which may cost EU enterprises up to 2% of total annual worldwide turnover or €10 million, whichever is higher, and up to €1 million for individuals (Board members and CXOs) by ensuring the integrity, availability, and security of personal data[2]. DORA mandates that organizations implement appropriate technical and organizational measures to safeguard personal data, including robust controls to prevent, detect, and recover from data breaches and disruptions. Similar regulations are emerging globally, this reflects a broader global trend towards stricter, more comprehensive rules to ensure data protection and digital operational resilience.

Realize the Benefits of the Diskless Data Center

Compared to disk-based alternatives, IBM's Defender Data Protect and all-flash data management future-proofs IT environments while delivering business benefits.

Increased Productivity	• Gain predictable performance across traditional and modern workloads—wherever they reside • Experience 2-8x[1] performance improvement compared to disk-based alternatives • Meet demanding SLAs with flash-optimized performance • Experience instant mass restore and continuous data protection at flash Performance
Lower TCO	• Extend all-flash to backup and recovery, file and object services, dev/test, and analytics workloads for infrastructure standardization with primary systems and simplified operations • Accelerate solving mass data fragmentation with even greater consolidation • Enjoy cost-effective all-flash solutions enabled by superior data reduction • Boost sustainability by lowering IT costs, footprints, and carbon emissions with all-flash data management
Faster Time to Value	• Go beyond using data as insurance to discovering insights faster with IBM • Marketplace apps on certified all-flash servers • Accelerate data reuse for dev/test, security, and compliance—at scale • Boost business continuity with faster replication for disaster recovery • Speed information searches at scale for recovery and content analysis

Business benefits

IBM Storage Defender Data Protect and Helios help simplify and modernize your backup and recovery infrastructure with its multi-layered protection for enterprise applications and its fast and safe recovery capabilities. IBM Storage Defender Data Protect is a solution that helps monitor, protect, detect, and recover your data across primary and secondary storage. With IBM Storage Defender, you can enhance and better integrate your data protection and data security solutions while helping reduce the complexity and cost of your data storage management.

Why IBM?

IBM offers a comprehensive portfolio of hardware, software and services to help organizations cost effectively address their IT infrastructure needs. These include robust data storage solutions to enable always-on, trustworthy storage
and help expedite disaster recovery. Because business needs shift, IBM solutions emphasize interoperability and the integration of new use cases or approaches, from analytics to multisite backup to near-instant recovery.

To learn more about IBM Storage Defender Data Protect, contact your IBM representative or IBM Business Partner, or visit ibm.com/products/storage-defender.

1. Performance metrics vary depending on workload and certified server.
2. https://www.ifsc.ie/news/digital-operational-resilience-act-dora-in-a-nutshell0365b90b60405a?utm

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