

Solution Brief

From Data Resilience to Cyber Resilience

with IBM FlashSystem.





Today's cyber threat landscape is arguably more complex, dangerous, and fast-moving than ever before. Attack surfaces are expanding, IT environments are increasingly complicated, data breaches are more common and costly, and cyber attacks are more sophisticated.

Many organizations recognize the need to invest in robust cybersecurity solutions - and while prevention of destructive data incidents will always be the primary objective, avoidance is not always possible. It is equally important to be able to quickly and seamlessly recover when such events do take place.

The next question is: if or when your organization suffers a damaging data incident, how do you minimize business disruption and restore operations as quickly as possible?

From Data Resilience to Cyber Resilience

In the past, backup and recovery used to be a sufficient safeguard against damaging data incidents. But in today's always-fast, always-on world, where business disruption and data loss can cause serious or even irreparable harm, it is important to invest in storage solutions that are resilient.

Data resilience enables you to identify, protect against, detect, respond to, and recover from data-destructive events, with as little disruption as possible. It is an important component of an organization's cyber resilience and business resilience strategy and a necessary part of any business continuity, disaster recovery, and emergency response plan.

With the right strategy, backed by the right infrastructure, data resilience can enable:

- **Better performance and lower costs.** Data volumes are rapidly expanding, so organizations need storage solutions that can scale seamlessly without impacting performance.
- **Reduced risk.** Data resilient storage solutions go beyond backup and recovery to mitigate destructive events, unify protection across the hybrid IT estate, isolate backups, and more.
- **Business continuity.** The right data solutions mitigate the risk of business disruption and helps ensure your organization can maintain operations with minimal risk.

Ultimately, the ability to minimize data-related business disruption improves cyber resilience - the ability to maintain IT services and operations. Since data and cyber resilience affect business resilience, in the event of a data incident, the choice of storage solution can impact business continuity, disruption, risk, costs related to breaches, and even the organization's health.

Yet not all storage solutions are created equal, and not all storage solutions will equally support a data resilience strategy.

IBM FlashSystem: Resilient, Cost-Effective, High-Performance Data Management

IBM FlashSystem is an end-to-end hyperconverged NVMe storage solution that supports organizations of every size, in every industry, and with a diverse range of architectures.

It includes a range of hardware and software features that support data resilience, as well as efficient, streamlined day-to-day management:



High-performance, elasticity, low storage latency, data optimization, and reduction features.



Centralized visibility, management, and control through an AI-powered console.



3-2-1 backups for stringent Recovery Point Objectives (RPOs), Recovery Time Objectives (RTOs), and Maximum Time of Outage (MTO).



Automation, orchestration, and elastic consumption across the entire hybrid IT estate.



Seamless integration with IBM's diverse portfolio of solutions.

IBM Storage FlashSystem also includes several specific features to not only recover from, but protect against data incidents. IBM's Inline Data Corruption Detection and Safeguarded Copy (SGC) capabilities, for instance, enable:



The proactive identification of infections and attacks, through AI-powered analysis of entropy and change rates, along with snapshots and their volume grouping.



Real-time safeguarded immutable data copies in production and remote environments, to minimize RPO, RTO, and MTO.

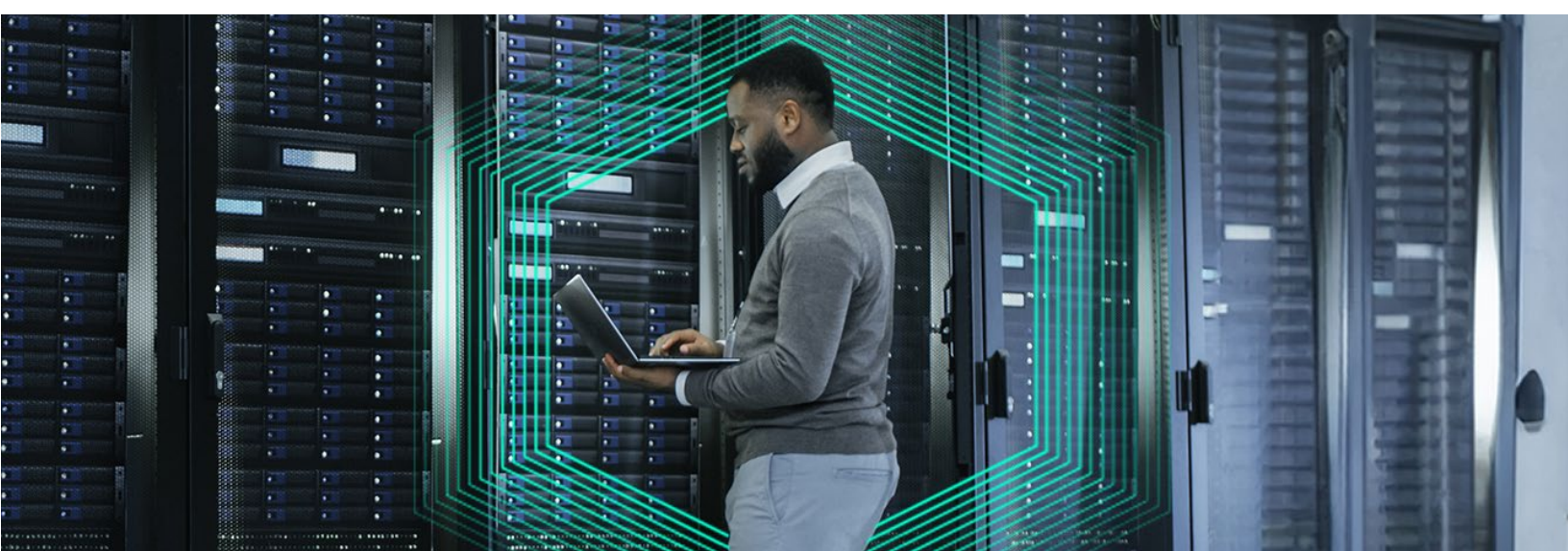


Recovery, testing, and restoration of backup copies to production environments.



Sealing off snapshots to reduce further damage.

As a key part of the IBM Data Resiliency family of solutions, IBM FlashSystem can be used in conjunction with the IBM Storage portfolio and the IBM Security portfolio to further mitigate cyber risk and improve cyber resilience, while enhancing performance, data management, and costs.





Achieve Data Resilience and Cyber Resilience

with Logicalis and IBM

IBM FlashSystem provides holistic data protection and resilience that is needed to safeguard against a wide variety of data incidents, including cyber attacks, ransomware, and natural disasters. To learn more about IBM FlashSystem, IBM Storage, and their data resilience solutions, contact Logicalis today.

A longtime IBM Partner and global Managed Services Provider, Logicalis has an extensive and successful track record helping organizations build safer, more resilient data protections into their infrastructure. Get in touch to learn more.

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