



BUSINESS RESILIENCE BUYER'S GUIDE

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INTRODUCTION

Modern organisations must stay operational through outages, cyber threats, and unexpected disruptions. As risks increase, storage becomes the foundation that determines recovery speed, data protection strength, and overall business continuity.

Legacy systems often struggle with rapid recovery, multi-site resilience, and protection at scale, resulting in longer downtime and higher operational risk.

Organisations need a storage platform purpose-built for always-on availability, instant recovery, and resilient operations across all environments.

➤ *This guide outlines the key storage capabilities required to maintain continuity, withstand disruptions, and ensure reliable business resilience at any scale.*

TODAY'S BUSINESS RESILIENCE LANDSCAPE

Modern organisations face increasing operational risks, from outages and hardware failures to cyberattacks, data corruption, and multi-site disruptions. As environments grow more distributed, maintaining uptime and ensuring rapid recovery become core business priorities.

Continuous availability, fast failover, and strong data integrity place constant pressure on storage to remain predictable, resilient, and ready for any disruption, no matter the scale.

To safeguard operations, organisations need storage that delivers instant recovery, durable protection, seamless continuity across sites, and consistent performance during crisis events.

Key Challenges

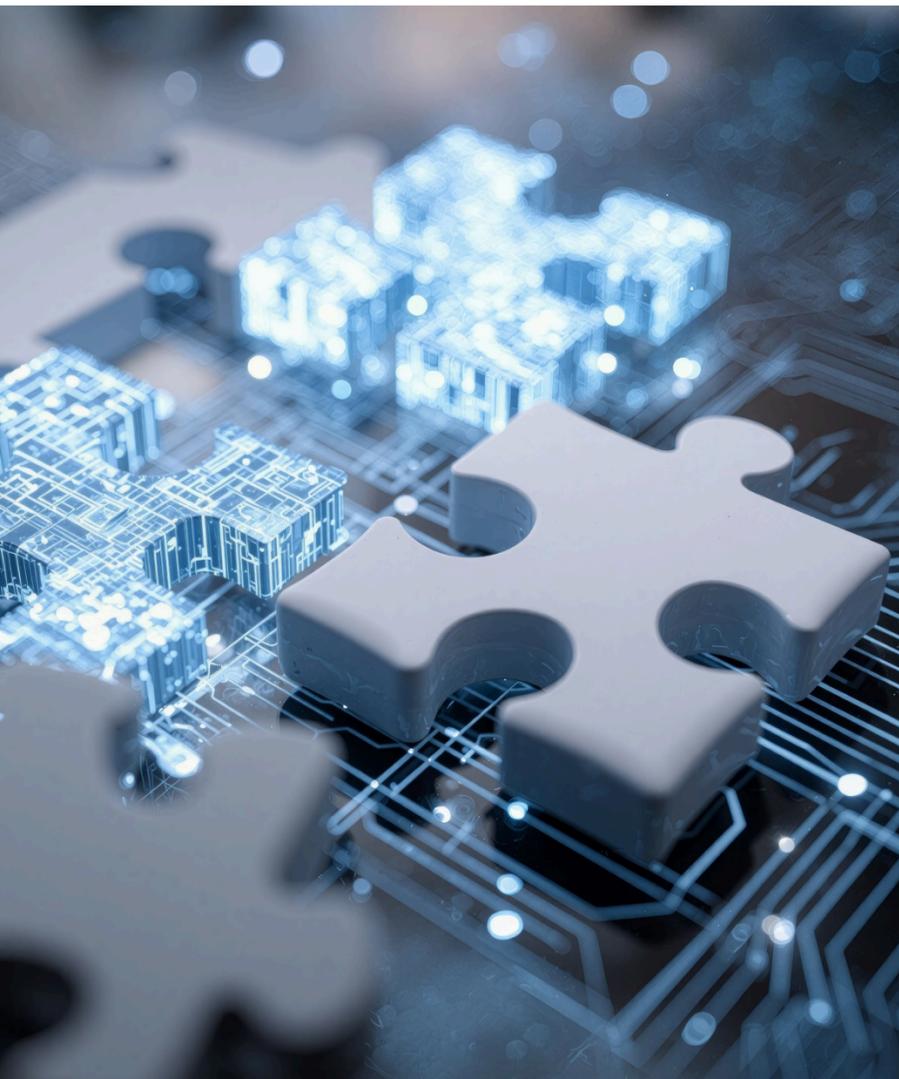
As resilience requirements expand, common challenges include:

- Unexpected downtime from hardware or software failures
- Slow recovery after outages or disruptions
- Ransomware or corruption impacting critical systems
- Cross-site inconsistencies during failover
- Complex DR workflows that delay recovery
- Legacy storage unable to maintain availability under stress

These challenges highlight the need for storage designed for always-on, disruption-tolerant, multi-site resilient operations.

WHAT TO LOOK FOR

WHEN PICKING THE RIGHT PLATFORM



Before comparing solutions, focus on storage capabilities that directly impact uptime, continuity, recovery speed, and operational resilience:

WHAT TO LOOK FOR

- **Instant failover**: Rapid continuity during outages.
- **Durable snapshots**: Consistent, corruption-free restore points.
- **Sync/async replication**: Local and cross-site protection without performance impact.
- **Immutable protection**: Shields data from tampering or cyber incidents.
- **Non-disruptive upgrades**: Maintain uptime during maintenance or scaling.
- **Multi-site resilience**: Automated failover and seamless recovery across locations.
- **Data efficiency**: Compression and dedupe to optimise long-term capacity.

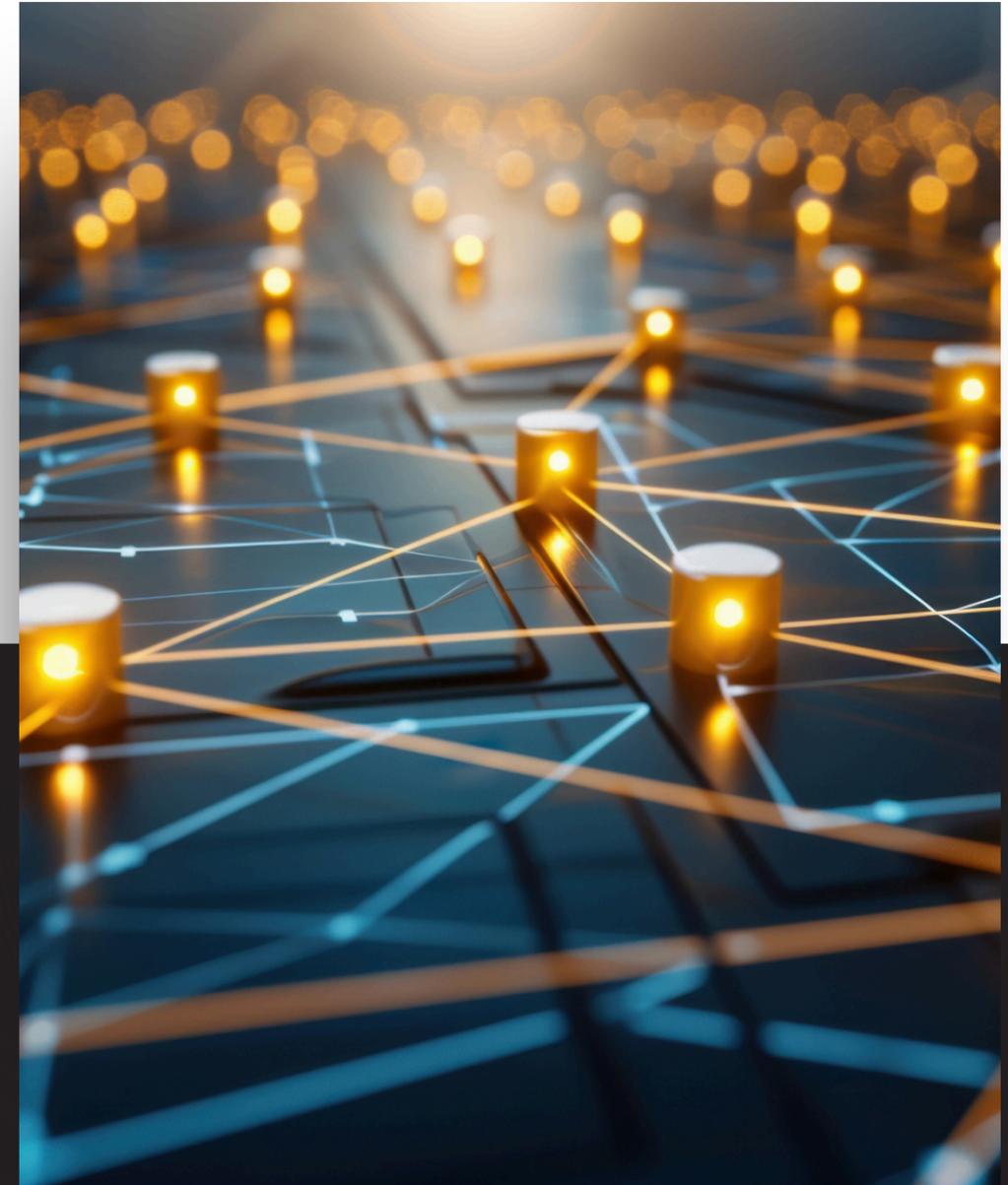
These fundamentals ensure your organisation stays available, protected, and operational, even during unexpected disruptions.

WHAT TO MEASURE FOR COMPREHENSIVE BUSINESS RESILIENCE

To assess storage readiness for continuity-driven environments, track the metrics that determine uptime, data protection, and recovery speed:

- ✔ **Failover Speed:** How quickly services resume during disruptions.
- ✔ **RTO:** Time required to restore critical systems.
- ✔ **RPO:** Potential data loss between protection points.
- ✔ **Data Integrity:** Accuracy and corruption-free restores.
- ✔ **Replication Performance:** Efficiency of sync/async protection across sites.
- ✔ **Snapshot Resilience:** Reliability of restore points under failure or attack.
- ✔ **Multi-Site Continuity:** Stability of failover and service availability across locations.

These indicators show how well your storage maintains operations, preserves data, and supports rapid recovery.





WHY COMPREHENSIVE BUSINESS RESILIENCE MATTERS

Business resilience depends on how effectively the storage platform maintains uptime, protects critical data, and ensures rapid recovery during disruptions, outages, or cyber incidents. Strong resilience reduces operational risk and keeps services running without interruption.

RESILIENCE-READY ARCHITECTURE

NGX Storage platforms utilise redundant controllers, durable snapshots, and efficient replication to protect applications against failures and corruption.

This architecture ensures continuous operations, fast failover, and consistent performance even during maintenance, disruptions, or unexpected events.

OFFLOAD & CONTINUITY FEATURES

Modern resilience-focused storage should provide instant failover, immutable protection, and zero-impact sync/async replication to safeguard data.

These capabilities reduce downtime, strengthen cyber-resilience, and enable seamless recovery across sites or clusters.



NGX STORAGE PRODUCTS OVERVIEW

NGX Storage provides two product families **engineered to maintain uninterrupted operations**, from instant failover and rapid recovery to robust multi-site protection and cyber-resilient data integrity.

For Mission-
Critical Continuity

**NGX AFA
Series**

For Multi-Site
Resilience

**NGX Hybrid
Series**

NGX STORAGE PRODUCTS OVERVIEW

NGX AFA SERIES: Engineered for mission-critical environments that demand instant failover, rapid recovery, and consistent high performance. Ideal for organisations running latency-sensitive applications, real-time operations, and workloads requiring continuous availability.

NGX HYBRID SERIES: Designed for scalable, resilient multi-site operations and cost-efficient long-term data protection. Provides high capacity, reliable performance, and flexible multi-protocol support for disaster recovery, business continuity, and cyber-resilient storage strategies.

For Mission-
Critical Continuity

NGX AFA Series

- High-core CPUs
- Up to 8TB DRAM cache
- 100GbE / 64Gb FC
- FC / iSCSI / NFS / SMB / S3
- Unlimited snapshots
- Native replication
- MetroScale clustering
- Immutable snapshots
- Deduplication & compression

For Multi-Site
Resilience

NGX Hybrid Series

- Cache-centric design
- Flash tier for fast reads
- Unlimited snapshots
- Native replication
- Immutable snapshots
- FC / iSCSI / NFS / SMB / S3
- Deduplication & compression



CHOOSING THE RIGHT OPTION

As resilience requirements grow, organisations typically choose one of three strategic paths. Your priorities (continuity, recovery speed, or multi-site stability) determine the best direction.

- 1. Strengthen Continuity:** For operations that demand uninterrupted uptime and seamless failover.
- 2. Accelerate Recovery:** For environments focused on reducing RTO/RPO and restoring services quickly.
- 3. Build Multi-Site Resilience:** For organisations unifying protection, replication, and failover across locations.

The best approach depends on your uptime targets, risk tolerance, recovery objectives, and long-term continuity strategy.

A background image showing two men in business attire looking at documents on a table. One man is leaning over the table, pointing at a document, while the other stands behind him, looking on. The scene is dimly lit, suggesting an office or meeting room.

NEXT STEPS

01 Review Resilience Gaps

Identify failover delays, recovery bottlenecks, inconsistent replicas, or stability issues during outages or maintenance.

02 Define Your Priorities

Clarify whether your focus is uptime, faster recovery, stronger data protection, or multi-site continuity.

03 Assess Your Requirements

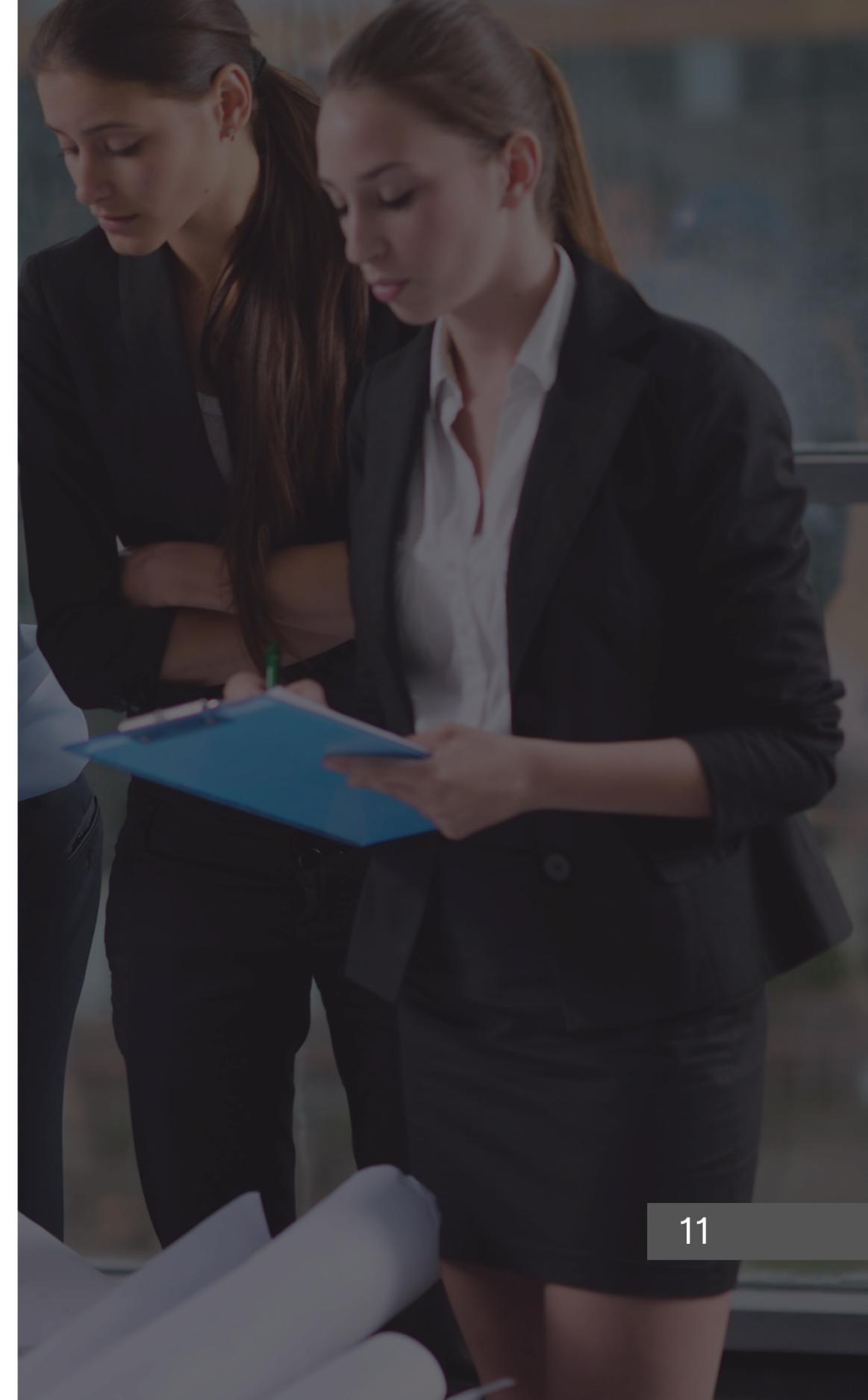
Match your priorities with what a resilience platform must deliver— instant failover, durable snapshots, efficient replication, and stable multi-site operation.

04 Compare Platform Capabilities

Evaluate options based on continuity performance, RTO/RPO outcomes, snapshot reliability, and cross-site protection.

05 Validate With a PoC

Test real failover, recovery, and replication workflows to confirm uptime, data integrity, and operational stability under real conditions.



BEFORE YOU MOVE FORWARD

A strong business resilience strategy begins with storage built for uptime, continuity, and data integrity. The essentials remain the same: instant failover, durable snapshots, efficient replication, cyber-resilient protection, and seamless scalability. NGX Storage delivers all of these with predictable stability, consistent performance, and multi-site reliability across both AFA and Hybrid systems.

With NGX Storage underpinning your resilience and recovery layers, continuous operations, rapid restoration, and protected data become a given, not a challenge.



BULLETPROOF YOUR STORAGE WITH
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