



SOLUTION OVERVIEW

Autonomous Data Infrastructure

Built for GPU hunger, deep cold, and everything in between

AI has broken the old storage model.

A typical enterprise estate today spans premium flash for AI, separate object stores for backup, tape or cloud for archive, SAN for block, and a growing public cloud footprint. Five stacks, three teams, no shared SLA for fast or protected.

Beneath it all, the next refresh isn't capped by capacity. It's capped by megawatts: scarce, expensive, or both.

Scality ADI (Autonomous Data Infrastructure) is a software appliance for enterprise storage that introduces a new operating model for enterprise data infrastructure. It autonomously aligns performance, protection, and economics across the data lifecycle so organizations can meet the demands of **AI, cyber resilience, and sovereign environments** within a single storage platform.

Sustainability is built into the architecture, not added on top. Power consumption drops at every tier, operations scale without added complexity, and economics are right-sized for each workload.

The result is infrastructure that scales predictably, adapts as workload demands evolve, and eliminates the need to manage separate systems for different workload and lifecycle requirements.

How Scality ADI is built

SCALITY ADI: AUTONOMOUS DATA INFRASTRUCTURE

MULTISCALE

Growth in every dimension

Scale capacity, performance, and operations independently as workloads evolve

CORE5

Cybersecurity by design

Built with immutability, encryption, obfuscation, geo-replication, and zero-trust

AICONNECT

Enabling AI workflows

Native integrations for AI toolchains, including RAG, vector databases, and modern ML pipelines

GUARDIAN

AI agent for managing operations

Conversational analytics, anomaly detection, telemetry exploration. Built-in agent, or your own AI stack via MCP

SCALITY RING: Distributed object storage engine, proven at multi-exabyte scale

SCALITY OS: Standardized runtime governing every component of the platform



SCALITY
ADI

Use cases



Enterprise AI: Keep GPUs productive with the right performance per workload, not all-flash for every terabyte.



Cyber resilience: Protection by design with fast recovery and audit evidence that satisfies regulators, insurers, and security teams.



Sovereign control: Your data, your jurisdiction, your governance. Open code, no forced cloud dependencies.

Key capabilities

Enterprise AI

AI-SCALE OBJECT ACCESS

High-concurrency S3 and S3 over RDMA data paths for GPU-Direct, training, inference, RAG, and KV cache. Scality is the only platform with RDMA support on both NVMe and HDDs.

FOUR-TIER PERFORMANCE MODEL

Align every workload to the right media: GPU-Direct (TLC flash), Hot (QLC/NL-SSD), Warm (NL-SSD/HDD), and Cold (tape/cloud).

DISAGGREGATED ARCHITECTURE

Compute and storage scale independently. 100% of compute on compute nodes, 100% of storage on JBOFs and JBODs. Right-size each as workloads evolve.

Cyber resilience

CORE5 END-TO-END CYBER RESILIENCE

Immutability, erasure coding, metadata protection, multi-site durability, and policy-enforced lifecycle controls, built into the architecture.

PROVABLE RECOVERY READINESS

Fast operational restore plus audit evidence that stands up to security review, insurance requirements, and regulatory oversight.

UP TO 20X POWER EFFICIENCY

Cross-temperature lifecycle places hot, warm, and cold data on the right media. Up to 20x better power efficiency than all-flash for typical enterprise data distributions.

Sovereign control

GUARDIAN CONVERSATIONAL AI

Read-only, AI-powered assistive technology. Query telemetry in natural language, surface anomalies, and explore deployments through a SaaS interface with Scality SSO.

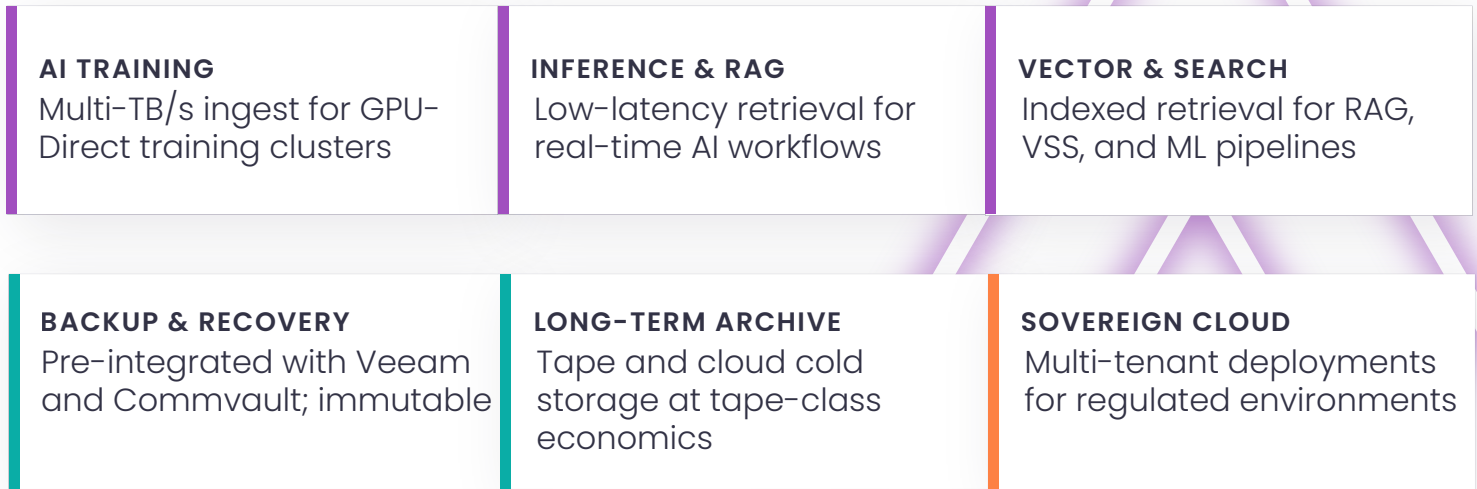
AGENTIC OPERABILITY VIA MCP

Customers can connect their own LLM stack to operate the platform. Provision buckets, set lifecycle policies, and run workflows conversationally through tools like Claude Code.

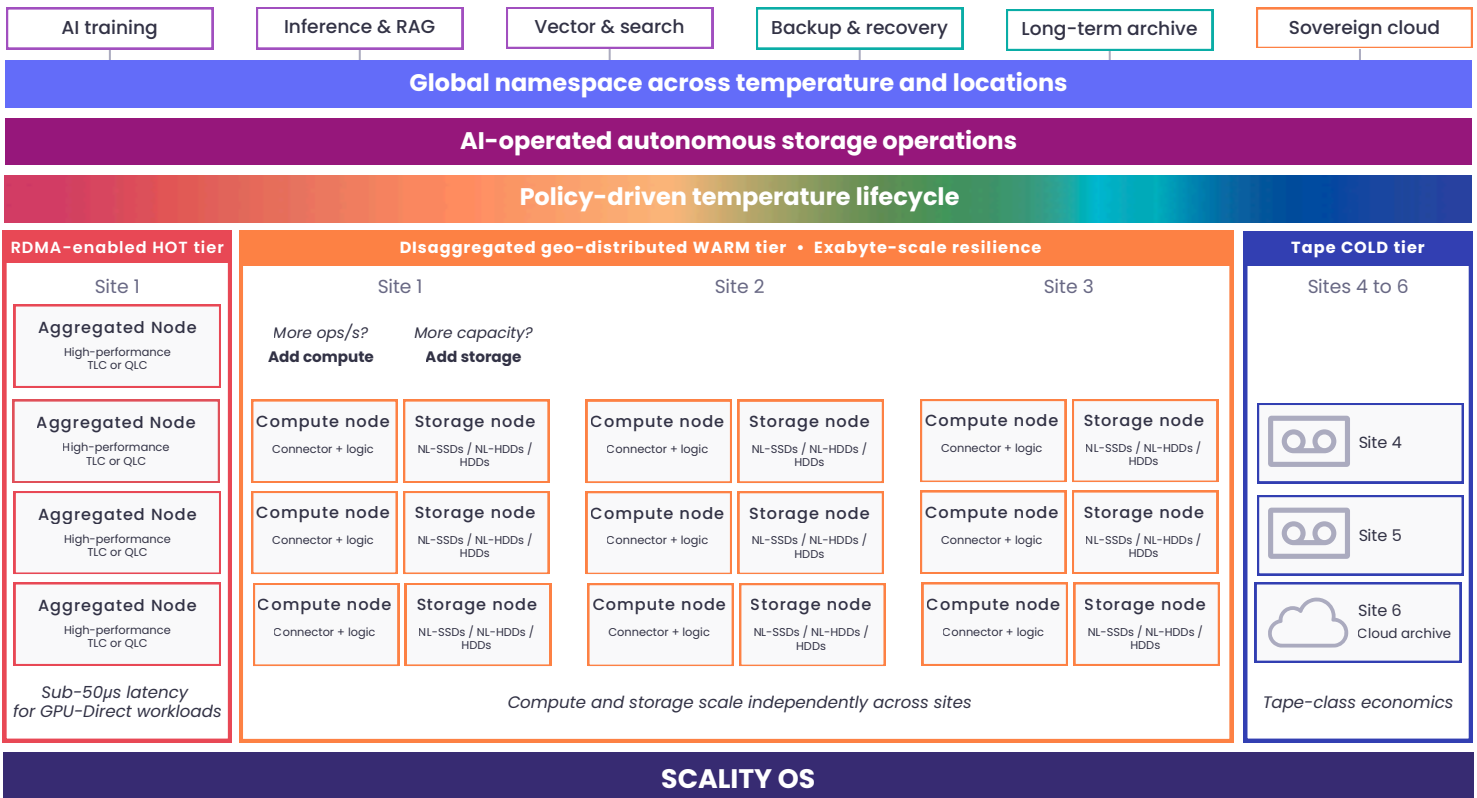
NO MORE FORKLIFT UPGRADES

Delivered as a software appliance with embedded ScalityOS. No Linux skills required. Single-command upgrades from any version within the same major release, with no downtime windows.

Workloads Scality ADI runs



Scality ADI in action



About Scality

Scality builds software for data infrastructure used by organizations operating under pressure from AI, cyber threats, and massive data growth. As these demands increase, traditional approaches break down, creating silos, complexity, and risk. Scality provides a resilient, high-throughput foundation that keeps data available, protected, and governed at scale.

By aligning performance, protection, and control across the data lifecycle, Scality solutions enable organizations to support AI, protect critical data, and operate efficiently without creating new silos or operational complexity. Trusted by the world's most demanding environments, Scality delivers infrastructure that scales predictably and holds up under real-world pressure.

Proven at scale

12+EB

in production

Multiple exabytes of data under management across Scality customer deployments worldwide

70+

countries served

Including 10 of the top 20 global telcos and CSPs, and 7 of the 15 largest banks

1B+

end users

Global users rely on Scality software every day across enterprise and service provider deployments

>6T

objects stored

Trillion of objects across customer deployments, reflecting the scale at which Scality operates

The Scality portfolio



Simple, cyber-resilient object storage for backup and recovery

Immutable, ransomware-proof storage compatible with leading backup applications, including Veeam. Rapid deployment. CORE5 protection from API to architecture.



Distributed object storage for cloud & service provider environments

High-concurrency access, multi-tenancy, and a unified namespace across multi-petabyte to exabyte data environments. Predictable performance at hyperscale.



The new operating model for enterprise data infrastructure

Data infrastructure for AI, cyber resilience, and sovereign environments. Align performance, protection, and economics across the data lifecycle within a single platform.



SCALITY
RELIABLE. SECURE. SUSTAINABLE.

Where AI remembers, learns, and thinks.

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