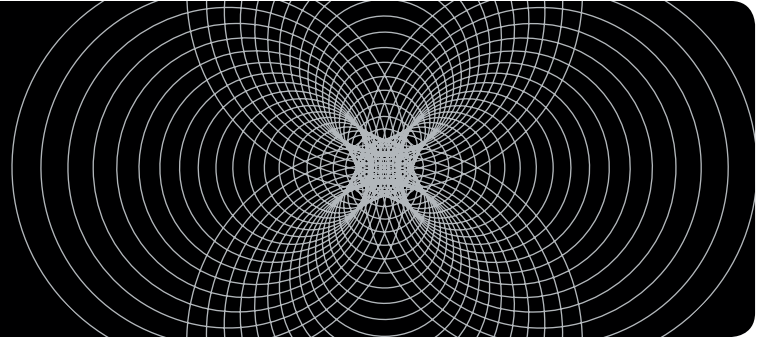


SmartPools™

Single File System for Multiple Tiers with Automated, Transparent Data Movement



Key Benefits

- **Reduce Management**
Manage multiple performance tiers with a single file system and management point.
- **Application Consolidation**
Combine multiple price/performance tiers into a single file system, single volume.
- **Policy-Driven Automation**
Automatically move data between tiers based on workflow-centric policies.
- **Investment Protection**
Seamlessly expand and upgrade price/performance tiers with no end-user impact.
- **Improve Efficiency**
Maximize working set performance while minimizing overall cost per terabyte.

Sophisticated Can Be Simple

SmartPools – deploy a single file system, single volume for multiple price/performance tiers with unparalleled simplicity of management, operation, and interoperability.

The Isilon Scale-out Storage platform, powered by the OneFS® operating system, provides a single volume, single file system, and a single namespace with a suite of enterprise software applications to form a cornerstone of an enterprise data center. The OneFS operating system gives businesses and storage administrators the power to scale capacity and performance, on-demand, transparently and without downtime – within a single volume and single file system.

Now, Isilon is advancing the scale-out storage platform with the addition of SmartPools. With SmartPools, multiple tiers of Isilon IQ storage nodes (including S-Series, X-Series, and NL-series) can exist within a single file system, with a single point of management. Storage administrators and application architects will be able to right-size and accelerate their working set while automatically and transparently moving inactive data to more cost-effective storage. In addition, SmartPools unlocks the ability for storage administrators to aggregate and consolidate applications – providing workflow isolation, higher utilization, and independent scalability – with a single point of management. SmartPools is policy-driven, which allows application architects and business leaders to define the value of the data within their workflows – and SmartPools will automatically align the data to the appropriate price/performance tier over time.

SmartPools moves data across the Isilon Scale-out Storage backend network, Infiniband, which eliminates traffic on the client network and ensures data movement is absolutely seamless – including in-flight read/write activity, locking semantics, backup application interaction and underlying file identification. Smart Pools provides file-level granularity and control with an automatic policies, manual control, or API interface – allowing IT administrators to control performance and layout, storage tier alignment, and protections settings at the file and directory level – completely transparent to the end-user.

SmartPools enables businesses and storage administrators to:

Easily deploy a single file system to span multiple tiers of performance and capacity.

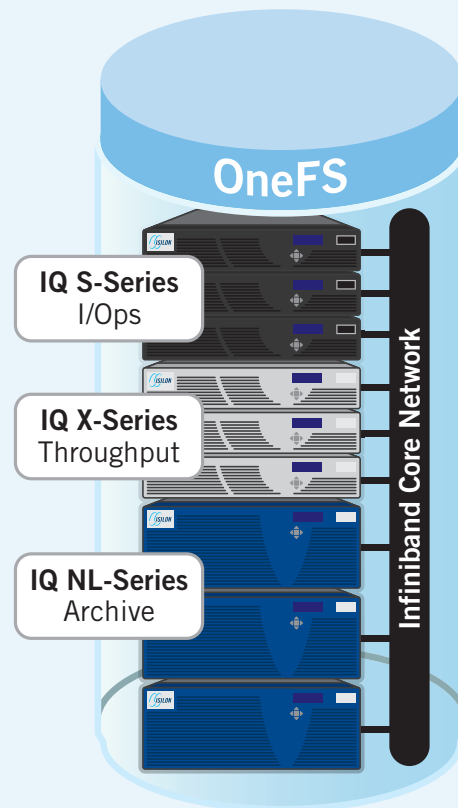
- Eliminate storage silos with a single volume, single namespace for all tiers and workflows.
- Policy-based automatic data movement within a single namespace, single file-system without complex links, stubs, or manual data migration.
- Add capacity and/or performance in 60 seconds, enabling seamless expansion of any tier, on-demand.
- Consolidate and aggregate multiple applications into a single storage system, eliminating data movement and simplifying management.

Single file system automatically adapts to business data and application workflows over time.

- SmartPools aligns application needs with performance, capacity, and economics – automatically.
- Respond quickly to changes in workflow and demand for new performance and capacity.
- Seamlessly adapt to workflow changes without affecting applications or workflows.
- Provide workflow isolation for critical applications without increasing management complexity.

Align the business value of data with optimal storage performance and cost.

- Isilon pay-as-you-grow scalability maximizes utilization across tiers.
- Automatically align the value of data with optimal storage performance and cost without modifying applications or notifying users.
- Eliminate costly data migration and manual data movement between price/performance tiers.



- Single Cluster
- Single File System
- Single Name Space
- S-Series for I/Ops
- X-Series for MBps
- NL-Series for Archive
- Automated Data Movement
- Policy-Based
- HTTP/REST API