



Statement of direction: IBM DS8000 series, SONAS, XIV , and Storwize V7000 Unified

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Overview

IBM® intends to support a number of new enhancements to a variety of IBM storage systems in the future. These enhancements will leverage innovative research on intelligent algorithms, automation, and virtualization that is being incorporated into products in the IBM storage portfolio. The statements of direction highlighted here are intended to provide a glimpse into the IBM storage roadmap for selected product capabilities.

Statement of general direction

IBM intends to deliver:

- Advanced Easy Tier™ capabilities on selected IBM storage systems, including the IBM System Storage® DS8000® , designed to leverage direct-attached solid-state storage on selected AIX® and Linux™ servers. Easy Tier will manage the solid-state storage as a large and low latency cache for the "hottest" data, while preserving advanced disk system functions, such as RAID protection and remote mirroring.
- An application-aware storage application programming interface (API) to help deploy storage more efficiently by enabling applications and middleware to direct more optimal placement of data by communicating important information about current workload activity and application performance requirements.
- A new high-density flash storage module for selected IBM disk systems, including the IBM System Storage DS8000 . The new module will accelerate performance to another level with cost-effective, high-density solid-state drives (SSDs).

IBM intends to extend IBM Active Cloud Engine™ capabilities to:

- Allow files on selected NAS devices to be virtualized by SONAS and Storwize® V7000 Unified. Virtualization capabilities provide access across a unified global namespace, while facilitating transparent file migrations in parallel with normal operations. This capability will help provide customer investment protection as clients continue to leverage their existing NAS assets while exploiting the capabilities of IBM Active Cloud Engine .
- Enable file collaboration globally via IBM Active Cloud Engine . This capability will help enhance productivity where users at geographically dispersed locations can both share and modify the same file.

IBM intends to deliver Cloud features to SONAS and Storwize V7000 Unified to support:

- Web Storage Services, a standards-based object store and API that implements the Cloud Data Management Interface (CDMI) standard from Storage Networking Industry Association (SNIA) to support the implementation of storage cloud services.

- Self-service portal designed to speed storage provisioning, monitoring, and reporting.

IBM intends to support an increased scalability of capacity, performance, and host bandwidth by clustering IBM XIV® Gen3 systems together and providing the capability to migrate volumes across the cluster without disrupting applications. Management of the cluster will remain simple with consolidated views and shared configurations across the systems. These capabilities are intended to help clients address the scalability and management requirements for effective cloud computing.

IBM intends to extend NAS data retention enhancements for IBM Storwize V7000 Unified and IBM SONAS to provide file "immutability" to help support file integrity from the time the file is designated as immutable through its lifecycle. Immutability is intended to secure files from inadvertent or malicious change or deletion.

IBM intends to enable Real-time Compression for block and file workloads on Storwize V7000 Unified systems. This enhancement is designed to help clients experience the same high-performance compression for active primary block and file workloads on Storwize V7000 Unified that is being announced for block workloads on Storwize V7000. IBM Storwize V7000 Real-time Compression is designed to deliver enhanced storage efficiency with potential benefits including lower storage acquisition cost (because of the ability to purchase less hardware), reduced storage growth, and lower rack space, power, and cooling requirements.

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Announcement countries

All European, Middle Eastern, and African countries.

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