



Hitachi enables new common file services and content archive solutions

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A decorative graphic in the bottom-right corner of the slide, composed of a grid of overlapping squares in various shades of gray and beige, creating a stepped, staircase-like effect.

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Hitachi enables new common file services and content archive solutions

Managing storage growth remains one of the primary IT pain points and concerns. Compounding this issue is the growing need to manage unstructured data and to create an environment that is responsive to growing compliance and regulatory requirements. File-based data is now growing faster than structured (block) data, and is stressing the entire storage infrastructure and management processes, including traditional storage services such as back-up, archive, replication, tiering, service levels and provisioning. Addressing these issues, Carl Greiner says Hitachi's introduction of the Hitachi Data Discovery Suite (HDDS), new NAS offerings and enhanced content archiving capability reinforces the corporation's continued commitment to taming this growing storage issue with extended and common integrated file services across the storage environment.

Creating common file services

Announcement highlights

Ovum view

Hitachi continues in its delivery of comprehensive solutions to address critical requirements necessary to effectively control unabated storage demands through innovative, robust, scalable, integrated and easily-managed offerings. Demonstrating its ability to not only address block or structured data requirements, the company is aggressively addressing file/unstructured data and resulting archive issues as well. Leveraging the ongoing theme of providing common integrated storage services across the storage infrastructure, the announcement further demonstrates that file/unstructured data management and archive requirements will continue to be a critical element in Hitachi's evolving solution sets, and provides a demonstration of the company's industry leadership. Providing extremely scalable and robust solutions enables organizations to aggressively consolidate, centralize and optimize their complete storage environments, achieving truly realizable economies and efficiency without sacrificing management, functionality or security.

Hitachi Data Discovery Suite (HDDS)

The growth and dispersed nature of unstructured data is causing most IT organizations to reconsider the management and control policies relating, not only to network



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attached storage (NAS) filers and heads/gateways, but also to content archiving environments. Compliance and regulatory requirements are extending into the file/unstructured space more and more, as are dynamic business requirements attempting to discern critical business changes and enable positive reactions. Critical for success is the ability to search and retrieve data in this basically unmanaged and siloed environment.

The Hitachi Data Discovery Suite begins the enablement of common file services (initially within selected Hitachi products) by providing powerful content index and search services across NAS and content archive environments, enabling common integrated search, retention, movement and protection across traditional storage technology silos. Beyond simplifying data management and addressing operational efficiencies, the Hitachi Data Discovery Suite performs federated cross-platform (initially Hitachi High-performance NAS and Hitachi Content Archive Platforms, HNAS and HCAP respectively) search and retrieval capability, and begins to eliminate incomplete or missed data searches within complex storage infrastructures.

Hitachi is enabling customers, third-party applications, independent software vendors and partners to access HDDS functionality through CLIs and APIs including search/discovery, risk computation, ACL filtering and file tiering. In addition, later in 2008 all will be able to utilize these common content and file services by writing directly to HNAS, then migrating to HCAP.

Moreover, Hitachi announced Hitachi Data Discovery for Microsoft SharePoint, giving users a simple way to archive files to HCAP, to span across many SharePoint sites for authentication, provide ubiquitous access and set up RSS feeds for information relevant to a search or discovery.

Hitachi Essential NAS Platform

Targeting medium-sized business, enterprises with remote or branch office file requirements or large companies with a need for standard NAS workloads, the Hitachi Essential NAS platform is designed to provide reliability, scalability and cost effectiveness, while enabling simplified deployment and management, including effective file sharing with consistent backup and server consolidation services. The platform can scale to 512TB in a 2-node high availability active-active cluster and supports Common Internet File System (CIFS) and Network File System (NFS) data. The platform is available as a NAS gateway (supporting either the Hitachi AMS midrange or USP/USP V series) or a standalone NAS filer with AMS pre-installed. Both form factors transcend three performance models, all with identical features and functionality which includes:

- easy-to-use GUI management interface
- integration with HiCommand Device manager, Tiered Storage Manager and Tuning Manager



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- Raid 6 support
- synchronous replication with Hitachi TrueCopy Remote Replication software
- asynchronous replication with Universal Replicator, True Copy Extended Distance and NAS Replication Utility for SyncImage (RUS) software
- up to 16GB RAM supporting 24,000 CIFS concurrent sessions.

Hitachi High-performance NAS Platform (HNAS) 3000 Series (powered by BlueArc)

The Hitachi HNAS 2000 Series previously set the bar for high-performance NAS with the ability to deliver large-scale file consolidations (including virtualization), leading-edge performance with enterprise-class data protection, reliability and security. The HNAS 3000 Series further extends the robust capabilities of the 2000 Series and reinforces its position as a leading alternative for enterprise NAS consolidations and high-performance file-intensive environments. Key enhancements include:

- performance of up to 200K IOPS and 1600MBps (for sequential workloads) throughput
- the ability to consolidate and manage up to 4PB in a single pool with each file system being up to 256TB
- file system enhancements
- integration with Hitachi Data Discovery Suite.

Hitachi Content Archive Platform (HCAP) 2.4

Driving further integration and functional robustness to meet ever-demanding and growing enterprise content archiving, Hitachi extended its HCAP solution. The announcement provides enhanced administration and full text search, including role-based access to search results with logging of search activities, plus full integration with the Hitachi Data Discovery Suite for more inclusive federated search capabilities across different storage solutions. The solution provides user-friendly administration with linkages to common authentication services, including support for Radius authentication and easy integration into Active Directory and LDAP. All administrative functions are encrypted and all administrative events are logged by unique login IDs. Moreover, multiple configurable roles can be created and permission assigned to each administrative login. These new functions further strengthen the platform's robust retention, scalability, prevention and security capabilities, plus add the ability to broadcast system events and collect them in a set of syslog servers for tracking. These enhancements further strengthen the company's objective of providing the right people immediate access to the right information in a secure and auditable manner.

The solution's ability to leverage existing storage infrastructures, consolidate the number of footprints through extreme scaling capability, simplify management plus



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deliver realizable operational efficiencies continues to attract a growing ecosystem of ISV, third-party software and partner support.



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