

# Reduce Storage Cost up to 40% with Hitachi File and Content Solutions

## WebTech Q&A Session – January 13, 2010

**1. Can this be block level data movement? Move nonactive blocks from FC to SATA?**

Yes, when the solution architecture involves a Hitachi Universal Storage Platform® V system, and it is virtualized into a common storage pool, volumes can be moved automatically via policies.

**2. What specific products are you proposing to do the file movement? Hitachi High-performance NAS Platform, powered by BlueArc® file mover and/or Hitachi Data Systems to get to Hitachi Content Platform?**

The rules-based Policy Manager resides in the Hitachi NAS head and initiates the file and content movement from FC Tier 1 or SATA Tier 2 to Active archive in Tier 3 Hitachi Content Platform (HCP). The actual software modules responsible for this are the Hitachi High-performance NAS Platform, powered by BlueArc® Data Migrator (DM) and External Volume Links (XVL).

**3. In the last slide, you showed a repository copy that showed active as well as static files. How does that happen? In other words, how does the repository become aware of files on an active device?**

You're right about this. The repository will **not** contain any "active data" and doesn't know about files on an active device, but rather the active device (HNAS in this case) knows when and where to migrate the "inactive" data. By the time data is moved to the repository, we presume that it has already had a rule or policy applied to it to initiate the movement. And, replication will only apply to what's in the repository at this point.

**4. How does the archive solution and search solution work with block, or is it limited to NFS/CIFS NAS storage only and is NAS specific for the content repository and search?**

The Hitachi content repository product (Hitachi Content Platform) and content-aware search product (Hitachi Data Discovery Suite) work only with files or object-based content. The block part of the equation is supported by our Hitachi Universal Storage Platform V or Hitachi Adaptable Modular Storage 2000 family SAN storage product lines which have been virtualized into a single storage pool. A file system must still be present and partitioned out of the SAN storage pool. Also, besides NFS, the primary interface into Hitachi Content Platform is via HTTP, which also supports cloud-based deployments.

**5. What are the key components making up the Hitachi solution presented here?**

The key components are the Hitachi NAS platform, Hitachi storage systems (Universal Storage Platform V or Adaptable Modular Storage 2000 family), Hitachi Content Platform and Hitachi Data Discovery Suite.

**6. What Hitachi SAN storage platform does this work with?**

The Hitachi Universal Storage Platform V and Adaptable Modular Storage 2000 family

**7. What is the difference between active and inactive data?**

Active data is frequently accessed and manipulated, while inactive data is unused and unmodified, typically for extended periods of time.

**8. What do you mean by content?**

Files and objects are considered content representing text, image, music and video data types to name the most common.

**9. Does Hitachi Data Discovery Suite federated search feature work with third party storage products?**

Yes, it will find files and content in most systems supporting NFSv3 or newer.

**10. Does this solution support content-aware compression or deduplication?**

Yes, the Hitachi Content Platform uses both compression and single instancing to decrease storage space.