

## **SCI StorInt™ Dispatch – DataDomain080512**

### **Data Domain announces new DD690 appliance and file level locking for file retention**

Data Domain recently announced the DD690 high end appliance and today announced a new file level locking capability for secure file retention with nearline applications

#### **DD690 appliance**

Once again Data Domain introduces the latest processor technology in their high-end deduplication appliance. The DD690 supports a new quad-core Intel processor and provides 600GB/hour single stream inline deduplication and 1.4TB per hour for aggregated deduplication across all streams. The DD690 comes with internal storage or can be supported in a gateway configuration, DD690g, which can attach to any 3rd party fibre connected storage. DD690 can be configured with up to 35TB of usable capacity which given the usual 3-months after install deduplication compression ratios of 20 to 50 to 1, supports up to 1.7PB of deduplicated data.

Similar to other Data Domain systems, the DD690 supports NAS interfaces such as NDMP, CIFS, and NFS in the base product but can be separately licensed for VTL operations as well. Data Domain can also be separately licensed for Symantec's OpenStorage API (OST) allowing management of their appliance from NetBackup's management console.

Data Domain systems support remote office backup and replication through a hub and spoke configuration. Their previous high-end appliance supported at most 20 remote systems replicating to a one central hub. The new DD690 now supports up to 60 remote systems replicating to itself as the central hub. Just like other Data Domain systems the DD690 supports both local and global de-duplication for remote office backup/replication. By doing both local and global deduplication for remote office backup/replication WAN traffic can be optimized and take less bandwidth.

#### **Data Domain Nearline focus**

Recently Data Domain has been making inroads into the non-primary storage space. As they support NAS interfaces they can be attached as secondary or nearline file storage. As such they can support any archive software solution, which uses NAS file system interfaces. As a nearline device Data Domain provides deduplication services at no additional cost to these archive and non-primary storage applications.

On the other hand, Data Domain provides a number of “non-targets” for nearline use such as applications requiring high IOPS, data with poor de-duplication potential, data that will never be read, and data under strict compliance regimens.

## File level locking

In order to add value to their nearline offerings, Data Domain just announced support for file locking for retention. This capability utilizes file attribute fields to specify how long a file should be retained unmodified and when it can be deleted. These facilities have been in use now for years by other file retention products, allowing Data Domain to easily support the growing cadre of data archive solutions available on the market.

Retention Lock software is a separately license-able feature on a system or appliance basis. If this capability is used in remote office environments, file retention attributes can be set at the remote office and will be honored at the central hub as well.

## Announcement significance

Data Domain continues to roll out new and faster system appliances to match customer requirements. As an inline deduplication vendor, efficiency and following the performance curve upward is critical to their continued success. Moving into the nearline storage indicates a broadening the market for deduplication technology. They have maintained their lead in deduplication market(s) and from everything we can see, they intend to keep it.

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