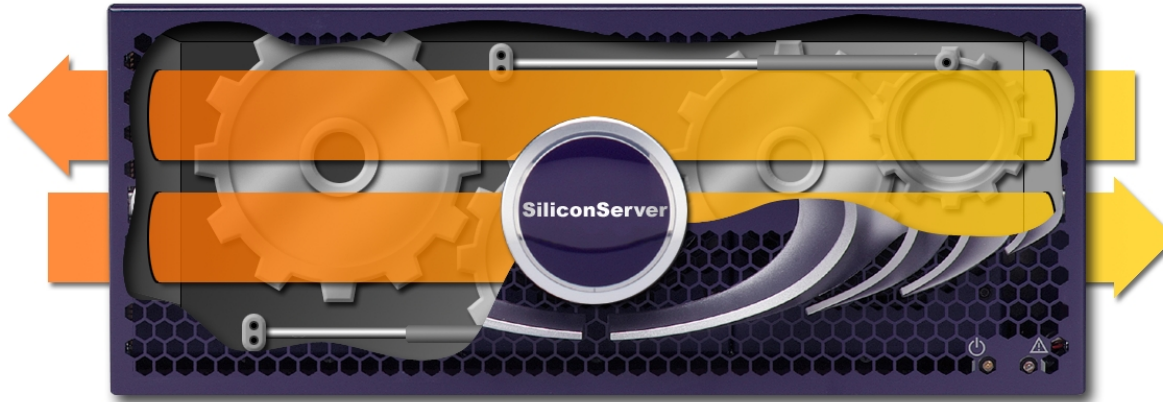


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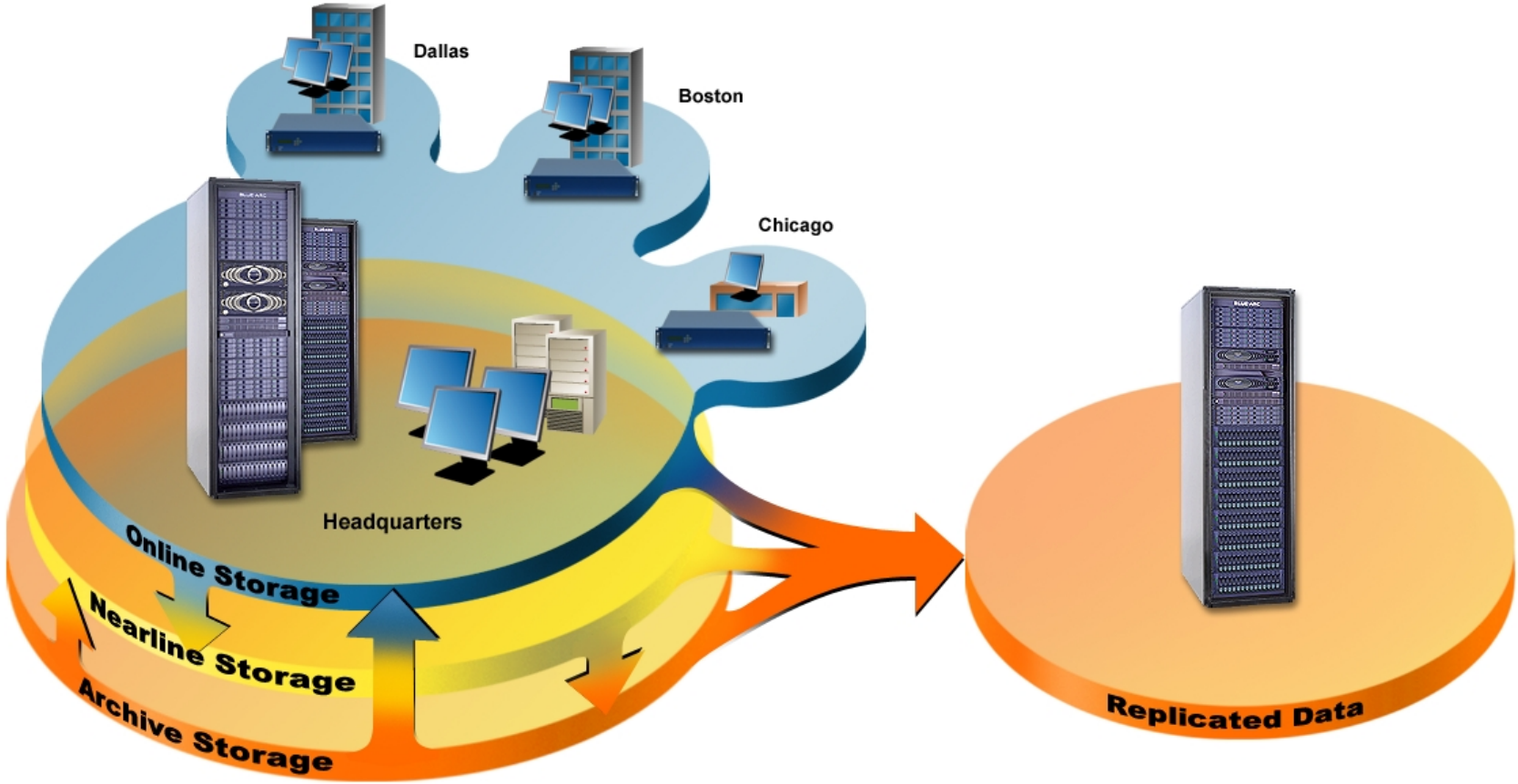
Changing the Economics of Network Storage



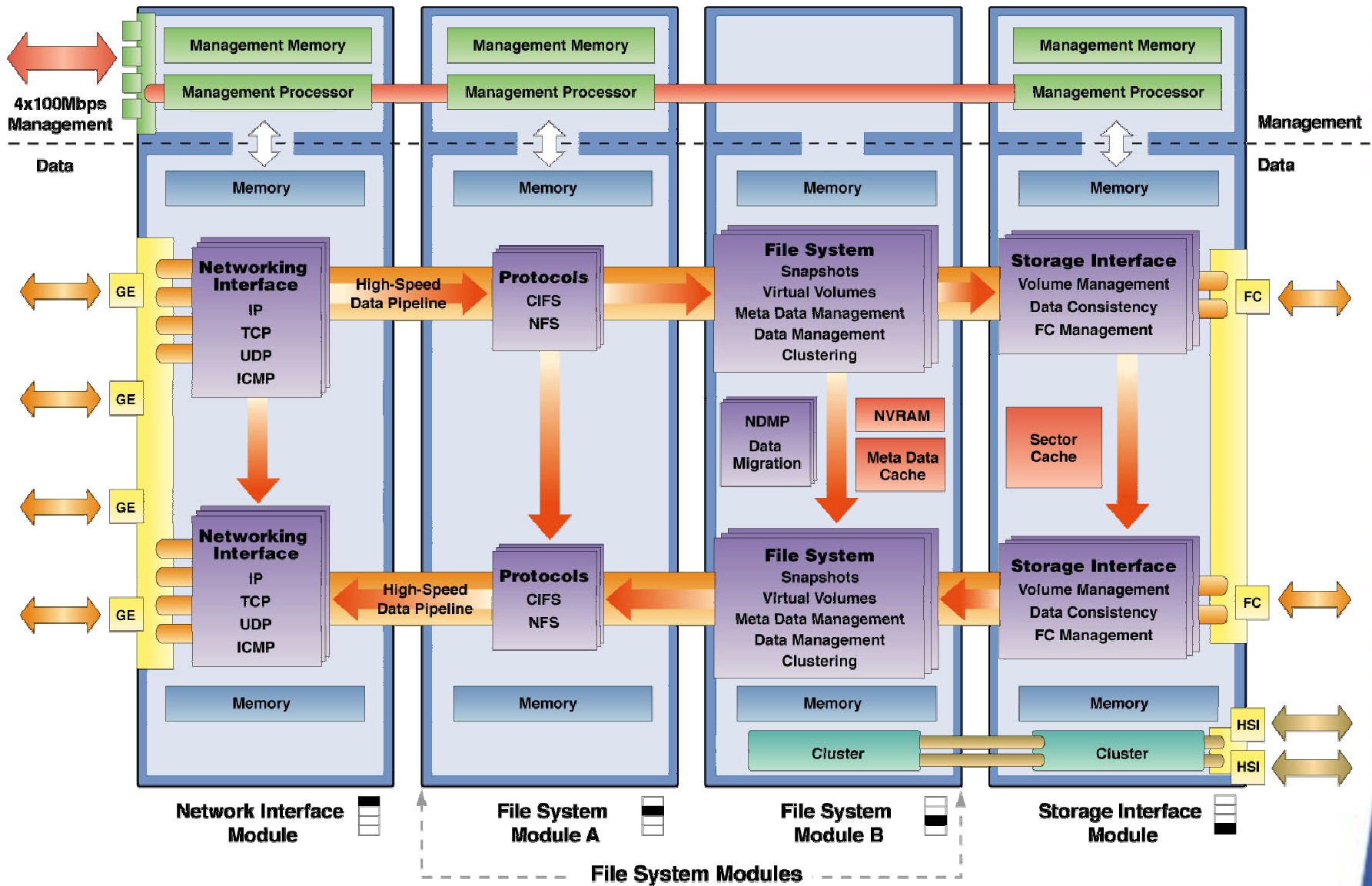
Multi-Tiered Storage

- **The ability to utilize various types of storage devices within the same system:**
 - **High Performance Fiber Channel**
 - **High Capacity ATA**
 - **Direct attach tape library**
- **Through standard scripting, automate Snapshots, Backup, Replication (local and/or remote)**
 - **Migrate data from tier to tier on demand or via user defined schedules.**
 - **Managed storage by most HSM applications (SAM-FS, Enigma, NuView, etc.)**
 - **Future...BlueArc implementation of ILM/HSM in FPGA technology**
- **Consolidate and expand primary, nearline and archival requirements dynamically**

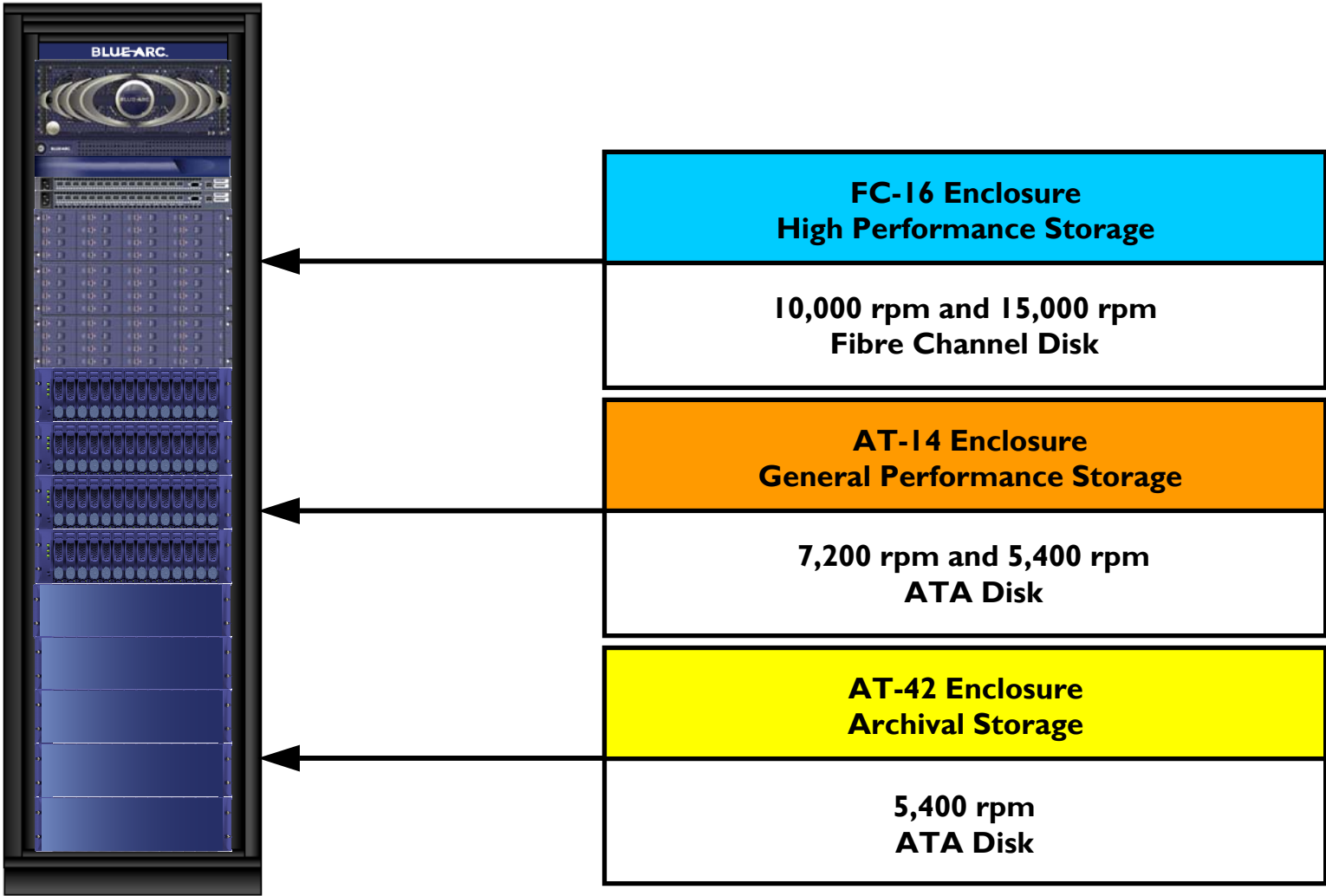
Multi-Tiered Storage



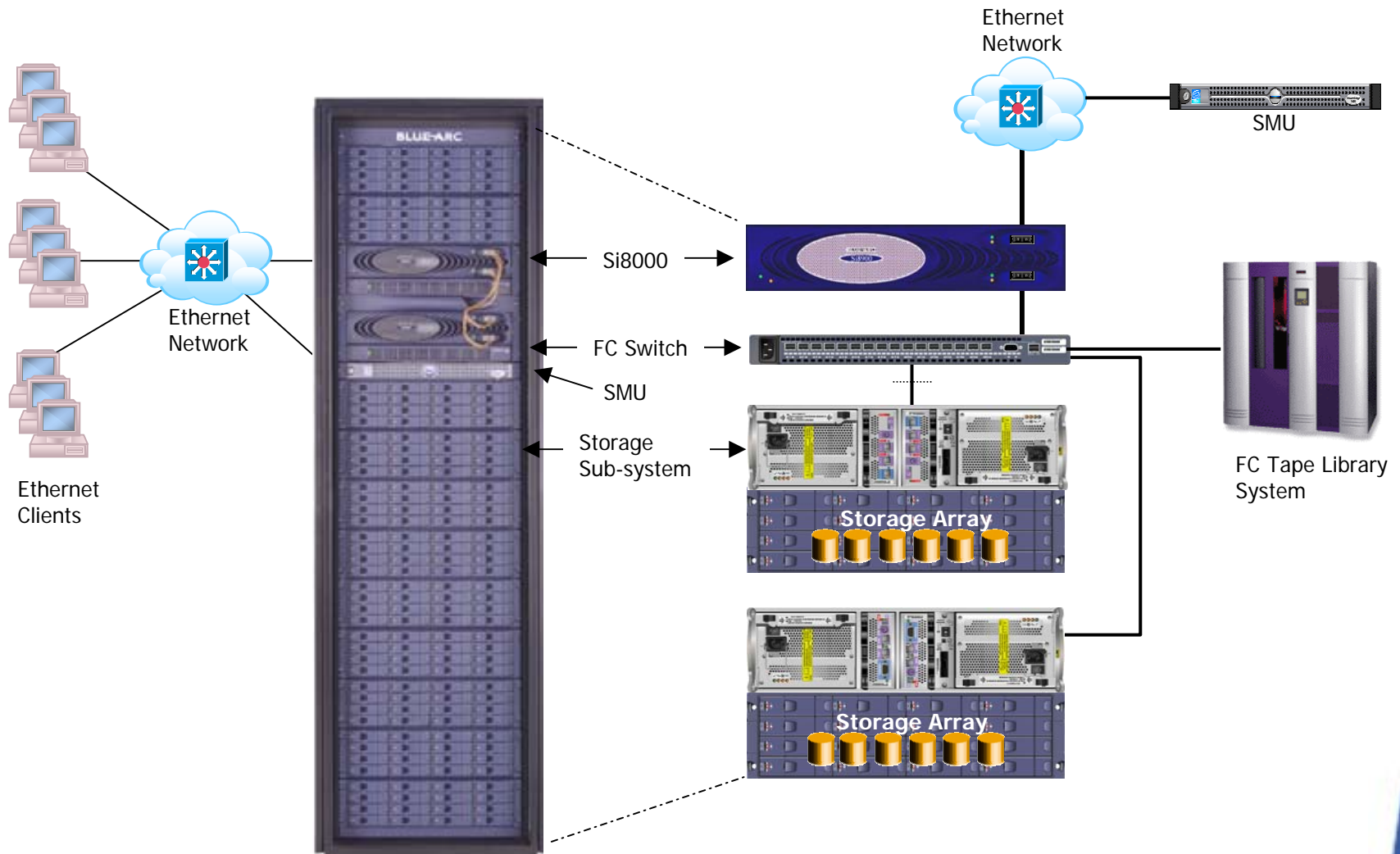
SiliconServer Architecture



Multi-Tiered Storage



Leveraging NAS with SAN



Multi-Tiered Storage



**FC-16 Enclosure
High Performance Storage**

**10,000 rpm and 15,000 rpm
Fibre Channel Disk**



**AT-14 Enclosure
General Performance Storage**

**7,200 rpm and 5,400 rpm
ATA Disk**



**AT-42 Enclosure
Archival Storage**

**5,400 rpm
ATA Disk**

Multi-Tiered Storage (Benefits)

- **The ability to utilize various types of storage devices within the same system:**
 - **Backup, replication, data movement/copy performed Lan-Free.**
 - **Little or no impact to clients accessing server/cluster.**
 - **Data moves on storage subsystem, significantly improving backup, snapshot, replication performance reducing and/or eliminating backup window....test 257GB tier to tier in approx 67 minutes while actively serving data w/o impact.**

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Changing the Economics of Network Storage

