IBM and NVMe

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NVMe

- NVMe is one of the final steps in flash optimization.
- Software Access using memory based semantics drives consistent low latency.
- Hyper converged storage for scale out using NVMe drives is and will be a popular topology.
- But shared disaggregated storage still has significant advantages.
Still a place for disaggregated storage!

- Shared storage can be simpler for applications
- Eliminates “trapped” Storage
- Allows storage and compute to grow separately
- Simplified redundancy
- NVMe over Fabrics can get to similar latencies and yet get the advantages of shared storage
End to End NVMe

- Shared storage with NVMe inside and NVMe over Fabrics
- Provides Consistent low latency
- Advanced Storage Stacks with advanced data services benefit from NVMe inside
- Tier 0 storage like the FS900 already have NVMe like interfaces
  - Hardware data path
  - Consistent low latency
The New 9100 for end to end NVMe

- NVMe-Accelerated Enterprise Flash Array – 100% NVMe end-to-end
  - Industry Leading Performance and Scale
  - Agility, Availability and Security
  - Supports Physical, Virtual and Docker Environments

- **AI-Empowered**
  - AI-empowered Storage Analytics, Storage Resource management and Support platform
  - AI-based data placement for optimal datacenter performance and zero-downtime data migration

- **Multi-Cloud enabled**
  - Private, Hybrid or Public Cloud deployments
  - Multi-cloud API automation, replication and secondary data orchestration software embedded in offering
  - Proven and tested “Multi-Cloud blueprints”