



Flash Memory Summit

IBM and NVMe

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Santa Clara, CA
August 2018



NVMe

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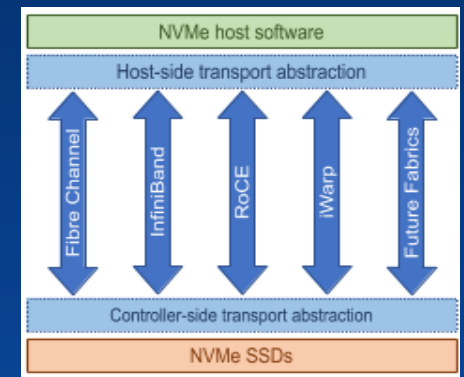
- NVMe is one of the final steps in flash optimization.
- Software Access using memory based semantics drives consistent low latency
- Hyper converged storage for scale out using NVMe drives is and will be a popular topology
- But shared disaggregated storage still has significant advantages



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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





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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



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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”

