The IDEAL PLATFORM for Analytics at Scale

**CHALLENGE**
Iterative Artificial Intelligence (AI) and Deep Learning (DL) requires massive parallel file IO. As the number of concurrent compute threads grow, storage performance quickly becomes the bottleneck as data starved GPUs and CPUs become underutilized. This lack of forethought about how the compute layer gets fed data adversely impacts wall clock times for analytics jobs which slows down model development cycles and limits innovation.

**SOLUTION**
Dell EMC Isilon scale-out NAS delivers the analytics performance and extreme concurrency at scale to consistently feed the most data hungry analytic algorithms. Combined with Isilon's enterprise features this enables a simple, flexible solution which eliminates I/O bottlenecks to accelerate cycles of learning while conforming to regulatory and enterprise policy requirements.

- **Up to 9 million IOPS**
- **250K IOPS per chassis**
- **Scales from 10’s of TBs up to 68 PB**
- **Up to 540 GB/s Bandwidth**
- **15 GB/s per chassis**

Isilon Redefines Infrastructure for AI & DL

**FASTER ANALYTICS | DEEPER DATA SETS | ROBUST DATA MANAGEMENT**

- **Massive Parallelism**
  100's of concurrent data connections with consistent responses

- **Accelerate Innovation**
  All-Flash performance feeds the data starved compute layer to accelerate cycles of learning

- **Simplify Management**
  Enterprise features simplifies compliance, protection, security, and data management

- **Effortless Scale**
  Seamlessly scales from TBs to PB's with up to 80% storage utilization and 75% data center reduction

**Flexible Deployment Options**

- **Spark ML**
- **TensorFlow**
- **Caffe2**
- **Custom AI / ML / DL**

© 2017 Dell Inc. or its subsidiaries. All Rights Reserved. Dell, EMC and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be trademarks of their respective owners. Reference Number: H16938

For more information
Email: Dell_Analytics@dell.com