DDN | The "Big" In Big Data





800%

Paypal accelerates stream processing and fraud analytics by 8x with DDN, saves \$100Ms.

PayPal

1TB/s

The world's fastest file system, to power the US's fastest supercomputer, is powered by DDN.



Tier 1

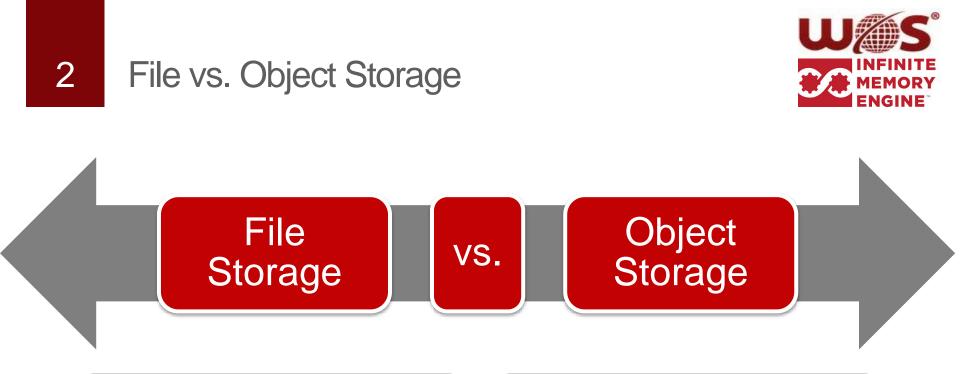
Tier1 CDN accelerates the world's video traffic using DDN technology to exceed customer SLAs.





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- Billions of Files
- Amendable Data
- Locking Mechanisms
- File System Hierarchy
- Complex to Scale
- TCO increases exponentially

- Trillions of Objects
- Immutable Data
- No Locking Mechanisms
- One Storage Pool, Object ID's
- Scales Uniformly & Simply
- TCO decreases at scale



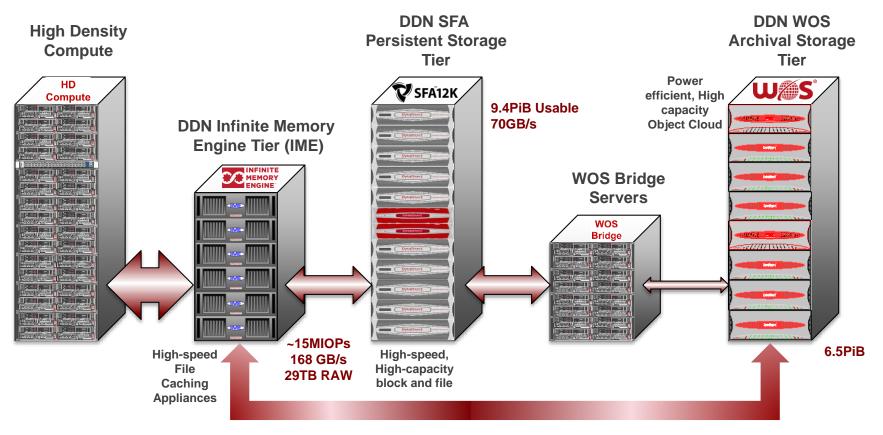
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3

Future Storage Vision





Memory to Object Storage

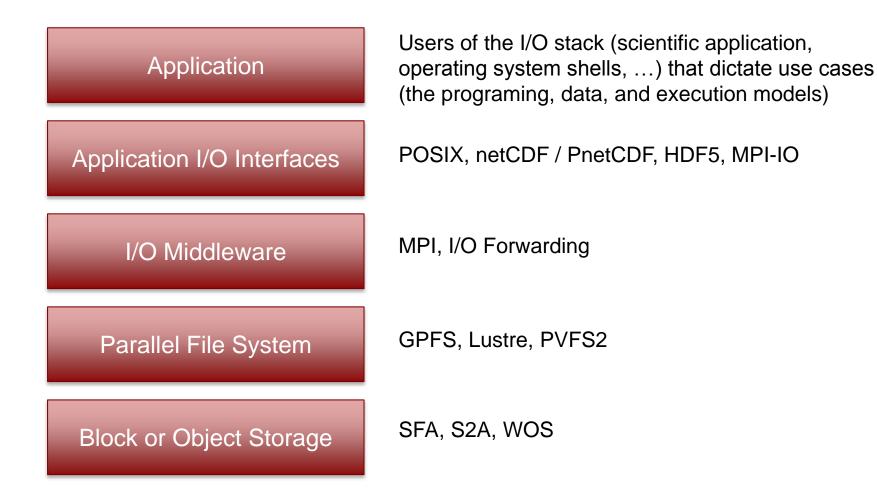


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Typical HPC I/O Stack View





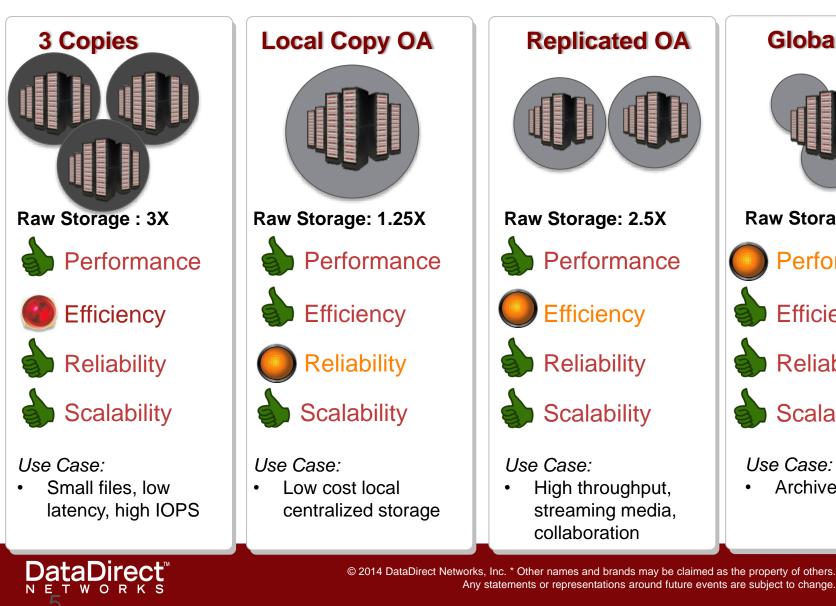


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WOS 360: 5 **Complete Choice of Protection Schemes**





Global OA Raw Storage: <1.88X Performance Efficiency Reliability **Scalability** Use Case: Archives

ddn.com





Evolution or revolution?

Gateway

- Min 5 Metanodes
- Max 10 MN at first
- 2 WOS Core min
- More appropriate for large site and flexible setup
- Scale independently Capacity & Namespace

Embedded

- Min 3 WOS7000 Chassis
- All in one (S3+Core)
- More appropriate for simplicity and small to medium side.
- Scale NS and Capacity linearly

Software

- RPM based
- Linux/Intel Chassis
- Minimum of 10 drives.
- No More Appliance

Still under development, subject to change Representation is simplified



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