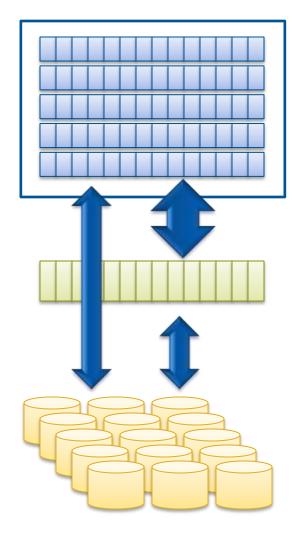
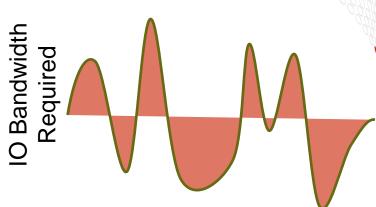


Technologies in Adaptive IO for Applications



10/9/2014

Compute Infrastructure



NVRAM/SSD Infrastructure

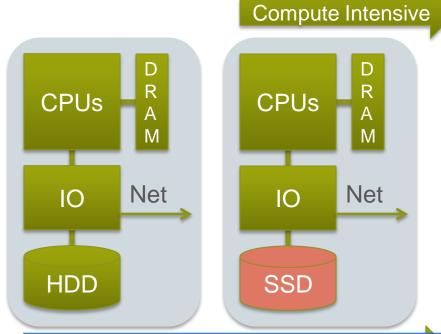
>2x the bandwidth of the PFS 0.02-0.1x the storage capacity of the parallel file system

Parallel File System

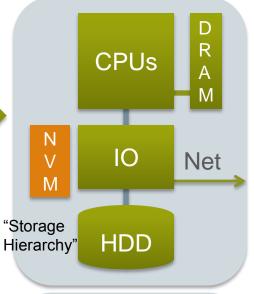
Software controllers
De-clustered Raid
Energy efficient drives
Practical Performance Limits
30-100 MB/sec/drive
15K drives in a file system

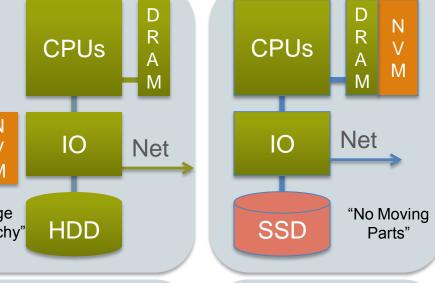
IO Architectural Designs Mapped to

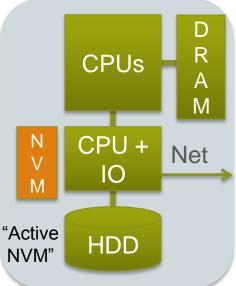
Application Need

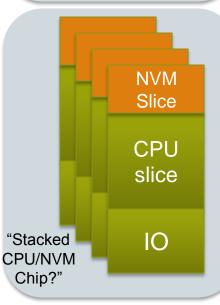


This is HW Centric... Software will be the defining disruption









COMPUTE

STORF

ANALYZE

Applications Use Cases

