
When will Flash memory take off in enterprise environments?

Paul Prince

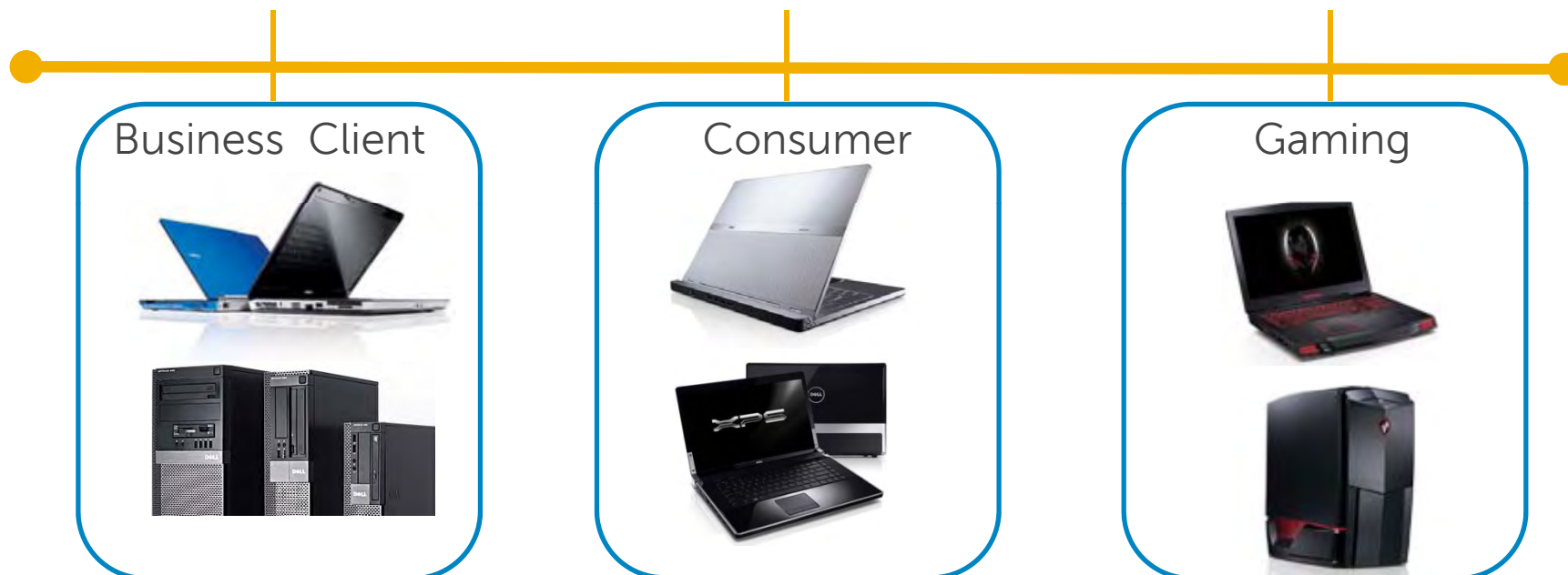
Enterprise CTO, Dell Inc.

August 18, 2010

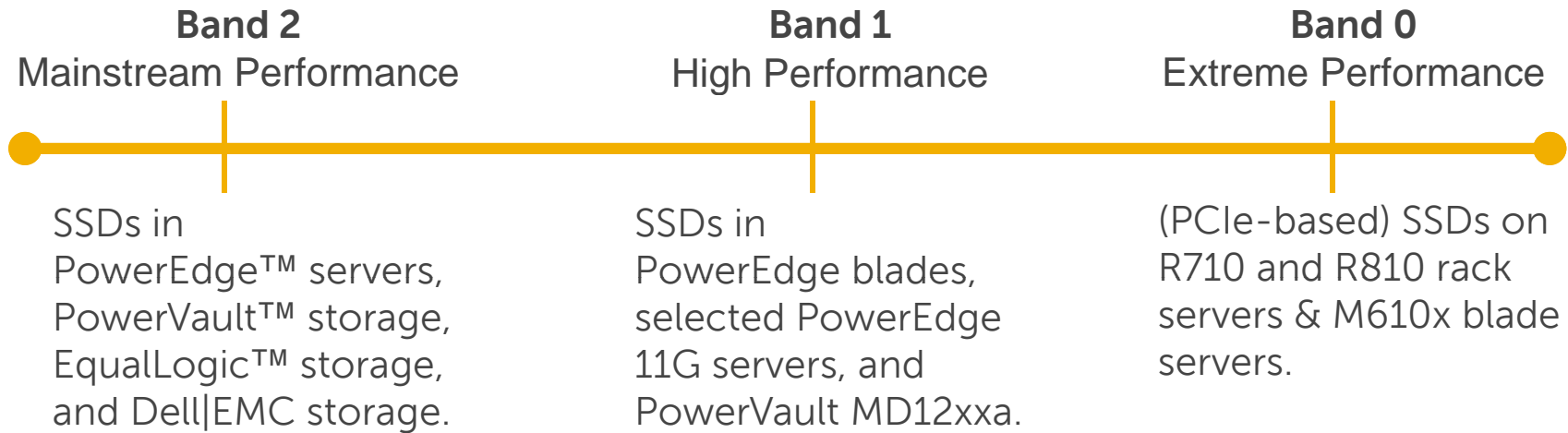


What is Dell doing with SSDs?

SSDs across broad portfolio of Dell client systems



SSDs across growing portfolio of Dell enterprise systems



Automated SSD Tiering

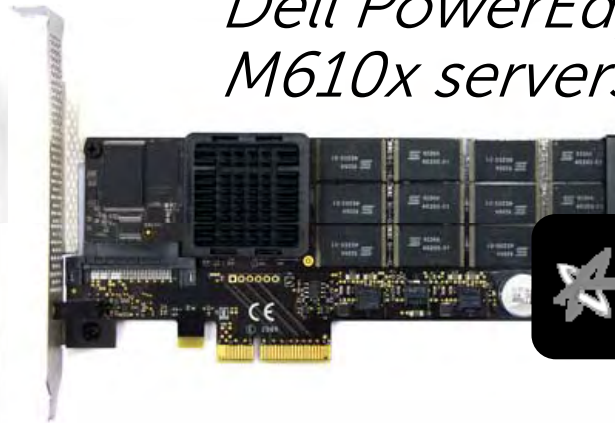
Dell EqualLogic PS6000XVS and PS6010XVS Storage Arrays

- Enables the performance of SSD with capacity of HDDs
- Mixture of SSD and spinning media within one array /member
- Automated data tiering within a member. Hot data placed on SSD

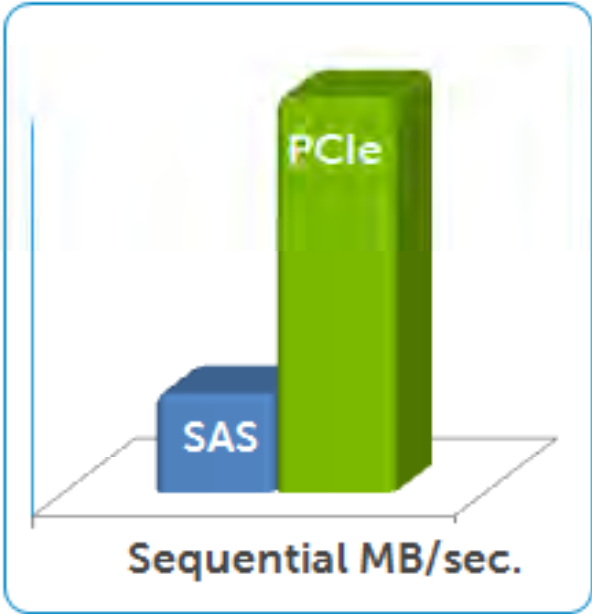
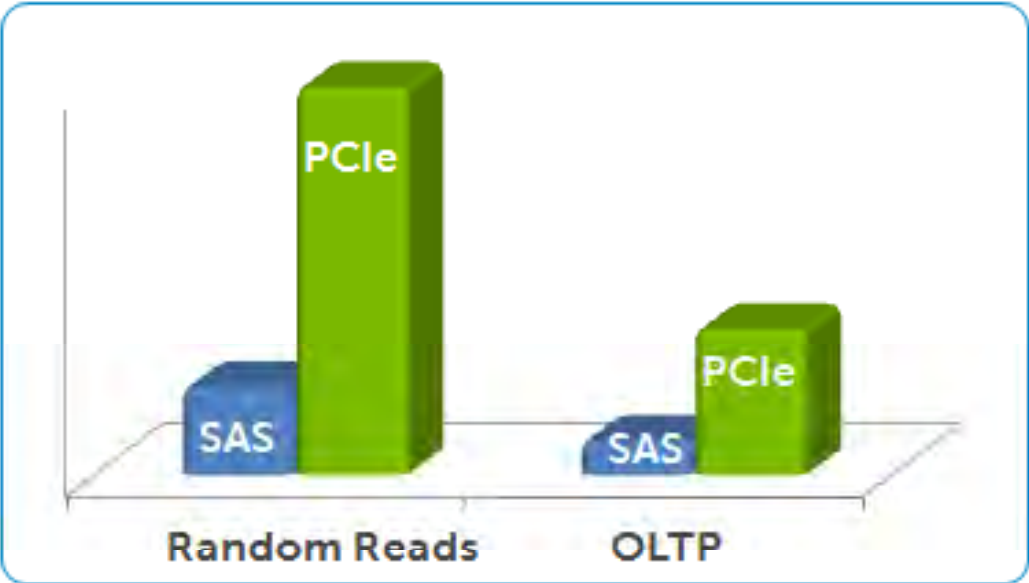


Dell extending SSD enterprise offerings: Fusion-io *ioMemory* Technology

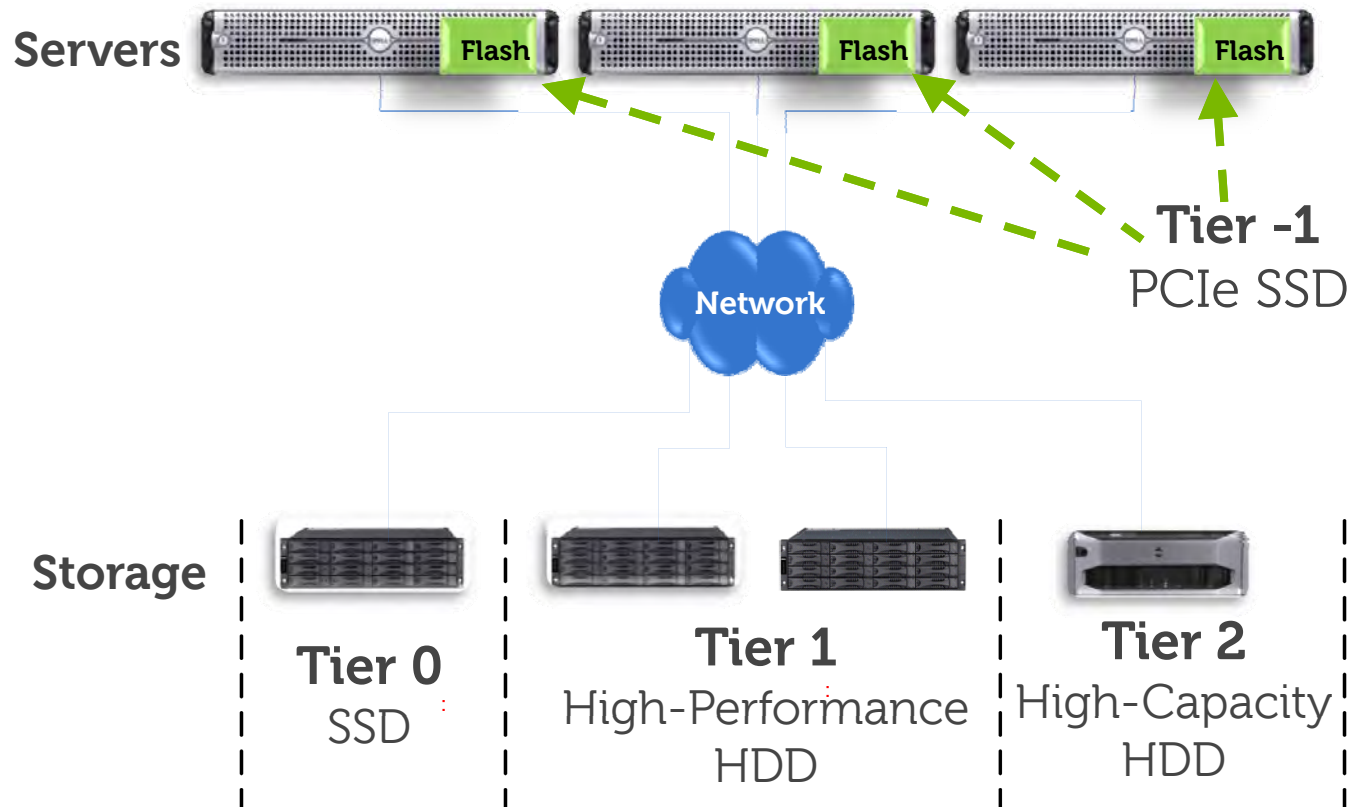
Adds new memory tier of flash-based solid-state technology to Dell PowerEdge R710, R810, M610x servers.



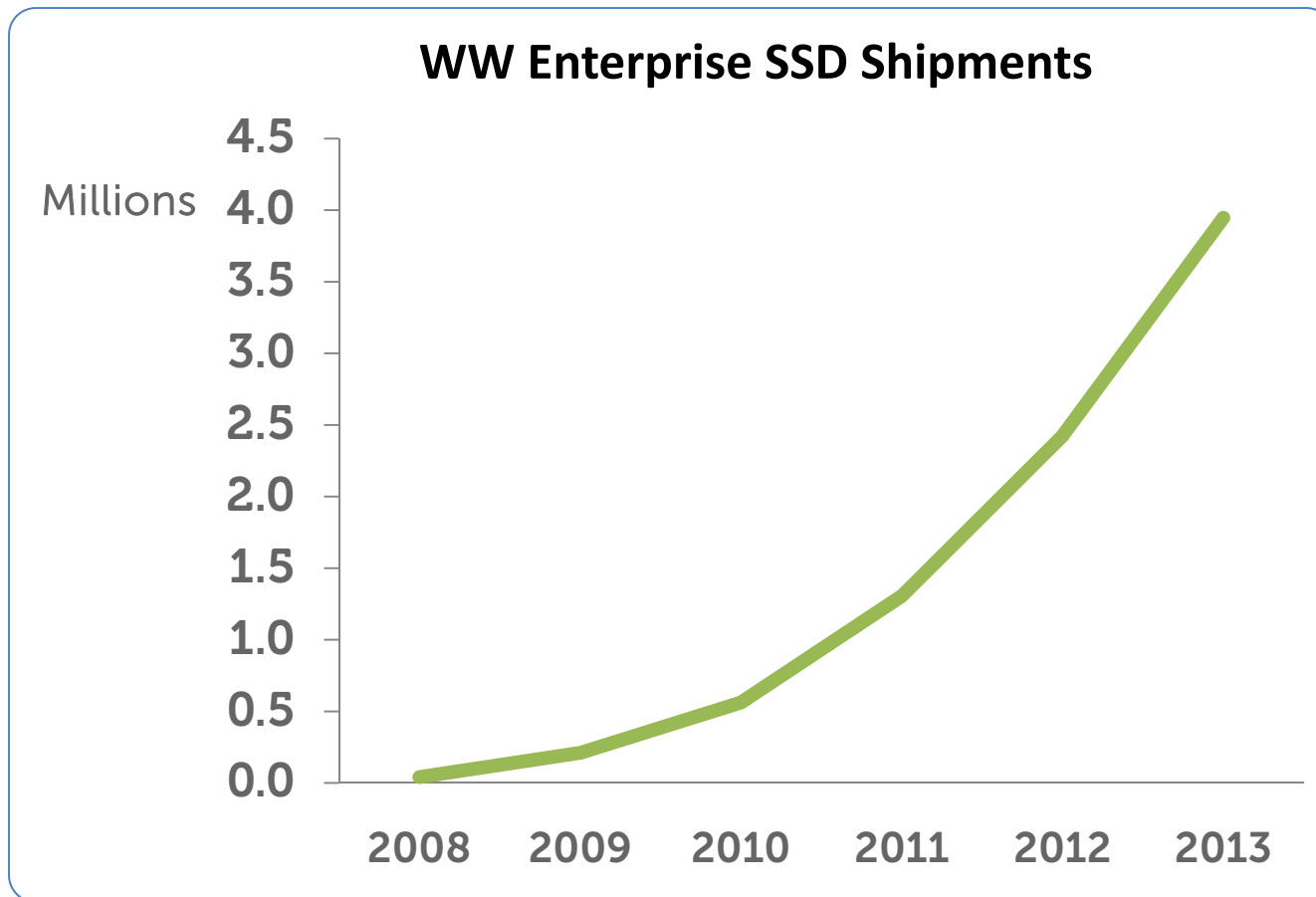
PCIe-based SSD performance changes the game in data tiering architectures



SSDs in Data Tiering Architectures



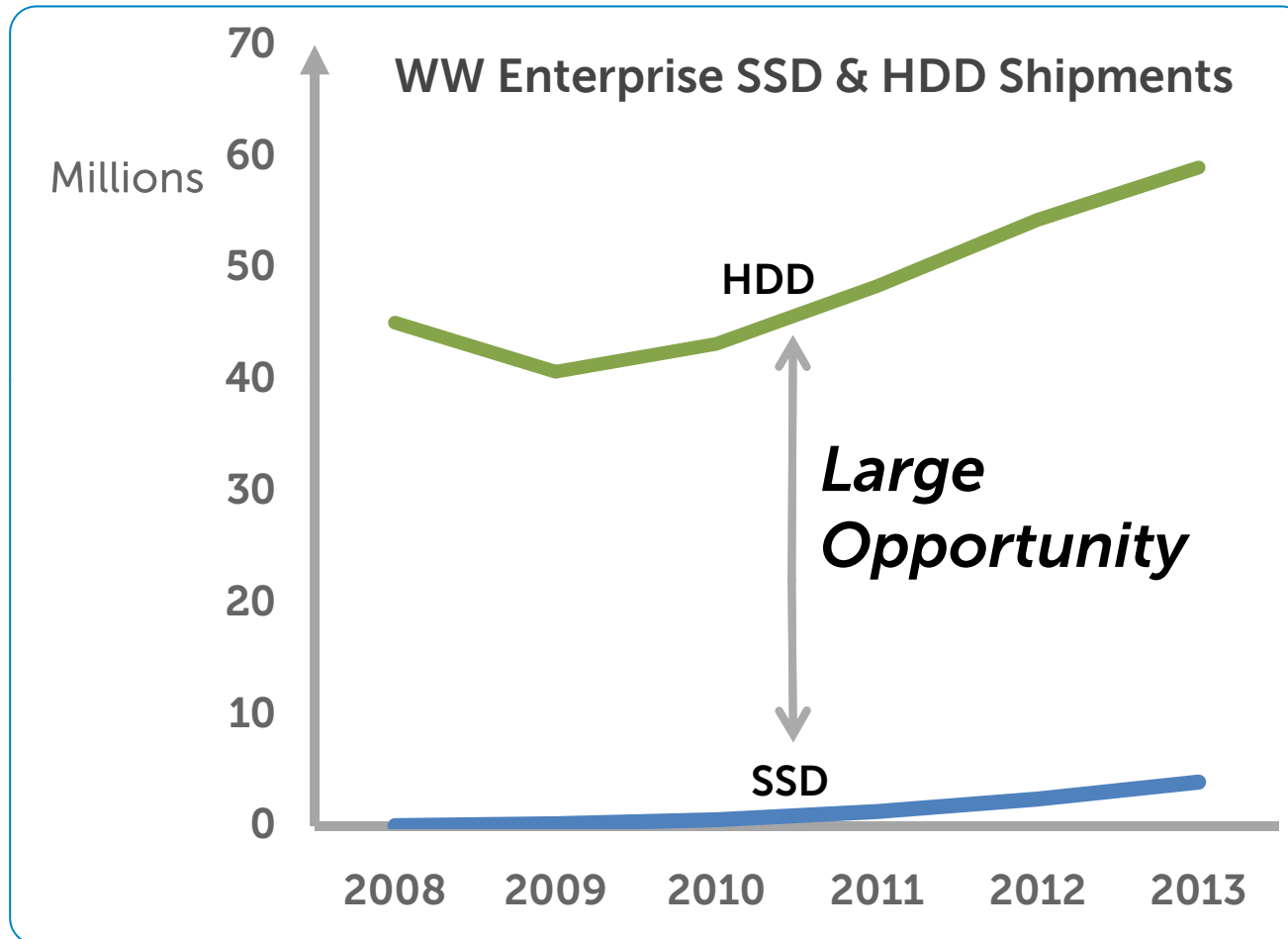
Enterprise SSD shipments projected to rise sharply



Source: IDC 2009 WW Solid State Drive 2009-2013 Forecast Update



Still a fraction of HDD volumes...

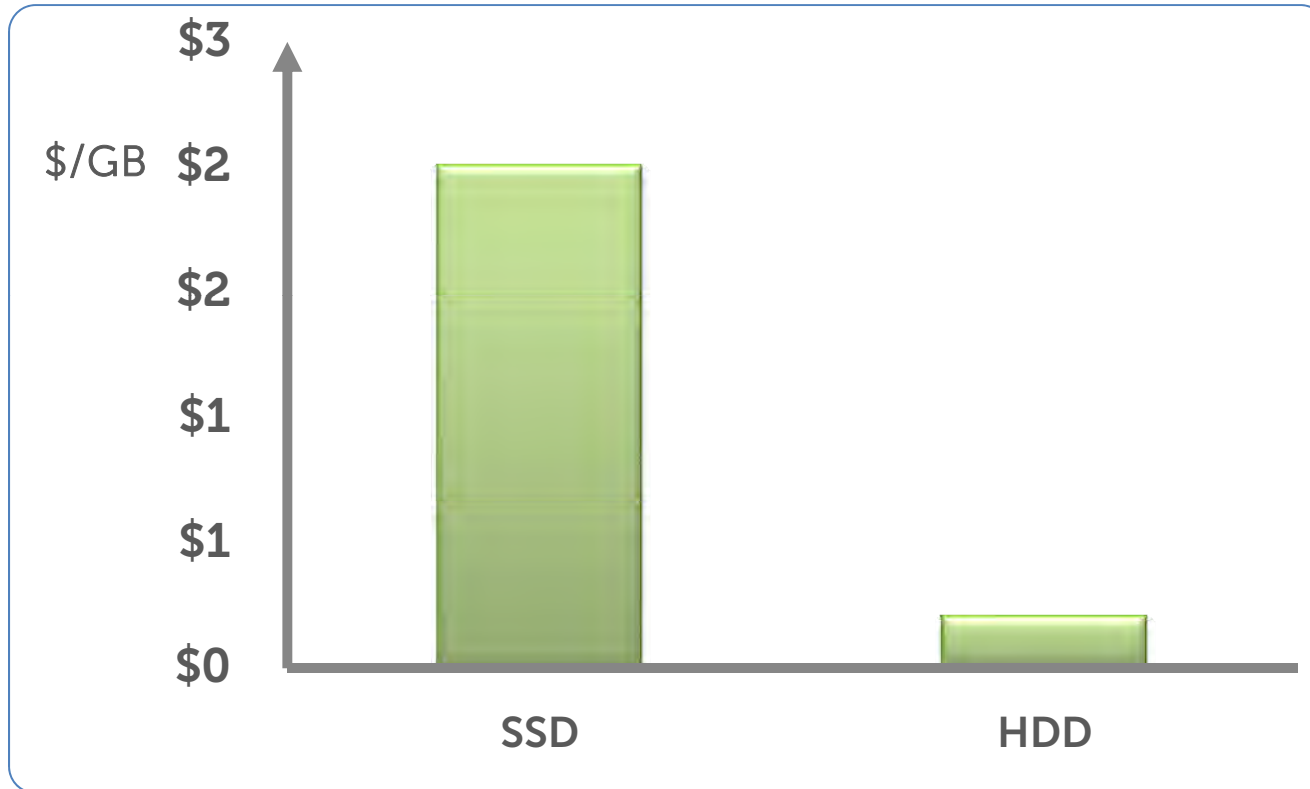


Sources: IDC 2009 WW Solid State Drive 2009-2013 Forecast Update & Worldwide Hard Disk Drive 2009-2012 Forecast



What can the industry do
to accelerate adoption?

Cost



Reliability



Standards





Thanks!

