

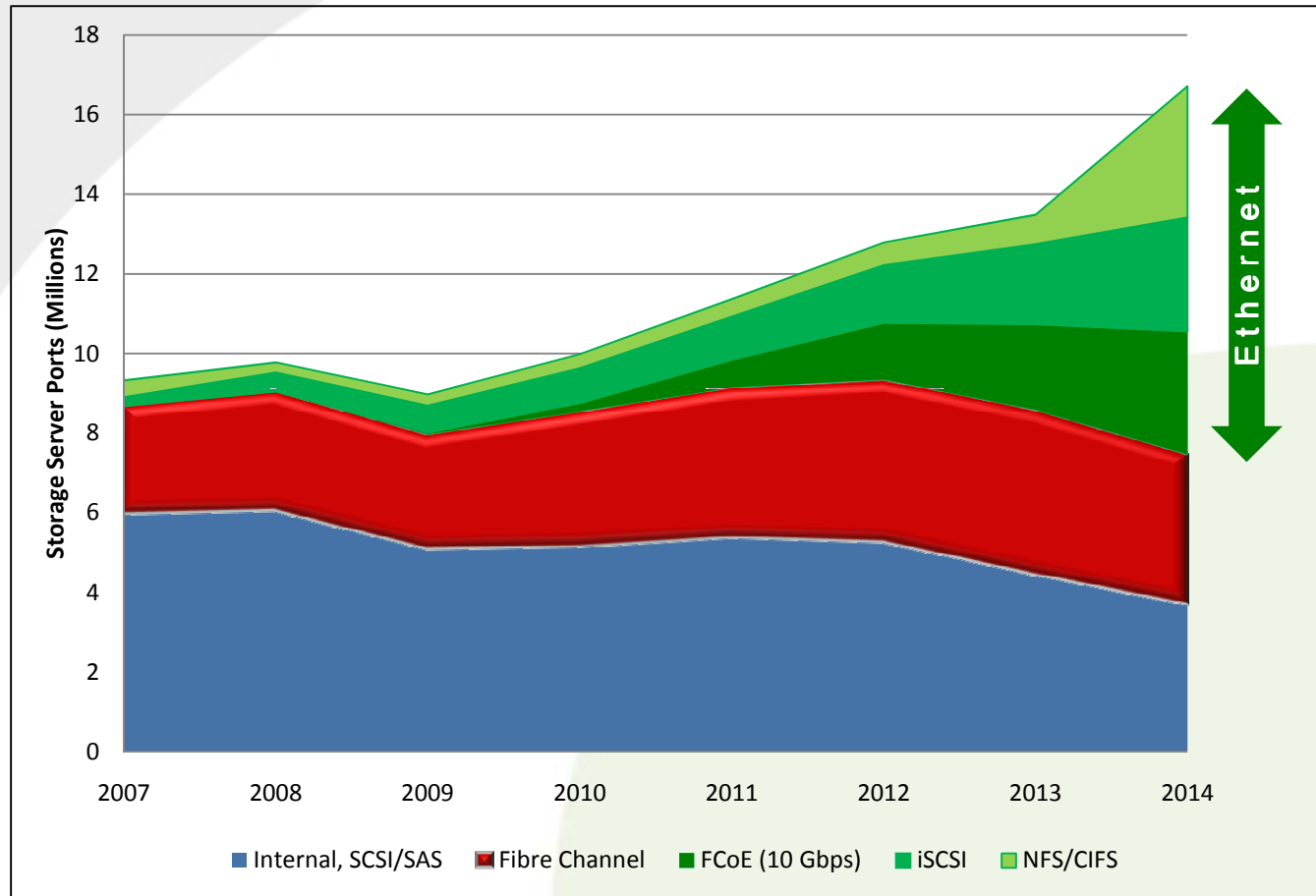
Setting the Stage for Network Convergence

March 9, 2011
OFC/NFOEC 2011



ethernet alliance

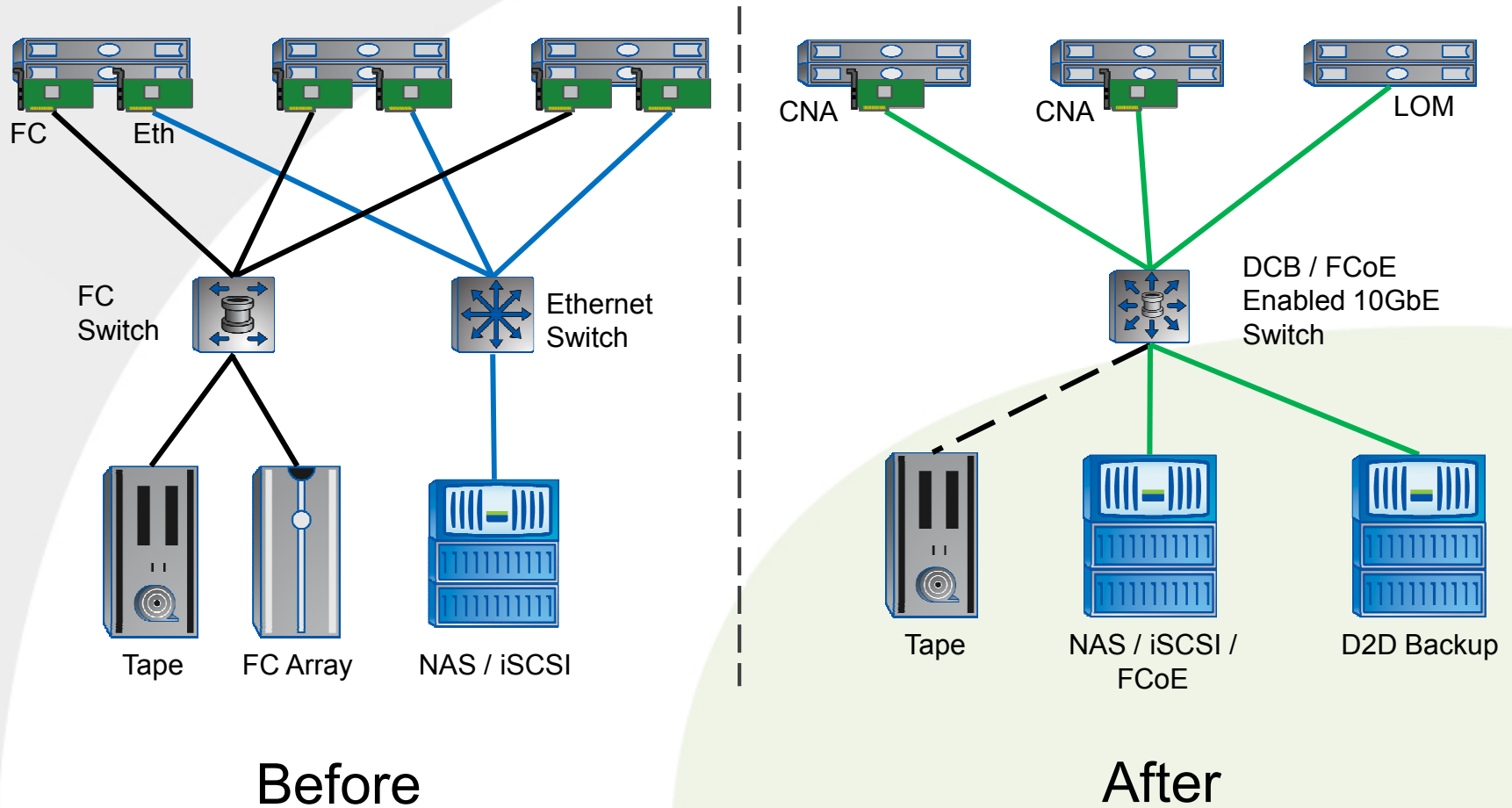
WW Server Port Shipments by Storage Interconnect Type



Source: IDC - Worldwide Storage Networking Infrastructure 2010-2014 Forecast, Dec. 2010



Data Center Transition



Two Enabling Technologies

- Data Center Bridging (DCB)
 - Collection of Institute of Electrical and Electronics Engineers (IEEE) standards enhancements to 10 Gigabit Ethernet to improve Quality of Service (QoS) for mixed traffic:
 - Priority Flow Control (PFC)
 - Enhanced Transmission Selection (ETS)
 - Congestion Notification (CN)
 - Data Center Bridging Exchange (DCBx)
- Fibre Channel over Ethernet (FCoE)
 - Fibre Channel Protocol (FCP) transmitted over lossless Ethernet physical transport with DCB



Disclaimer

- The views I am expressing on IEEE standards and related products should NOT be considered the formal position, explanation, or interpretation of the Ethernet Alliance.



Panel Introduction



Panelist Members

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- David Dale – Director of Industry Standards, NetApp
- Thomas Scheibe – Director of Product Management, Datacenter, Switching & Services Group, Cisco Systems, Inc.
- Steve Wilson – Director, Technology and Standards, Brocade

