



FC or FCoE: That is Not the Question

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Understanding FCoE

Fibre Channel is to FCoE

as



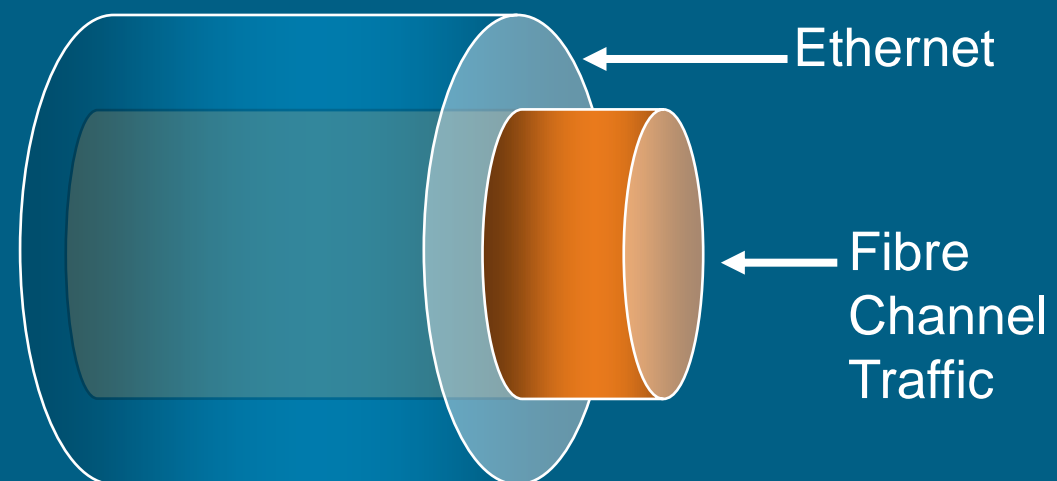
is to



Fibre Channel over Ethernet (FCoE)

FCoE

- Mapping of FC frames over Ethernet
- Enables FC to run on a lossless Ethernet network



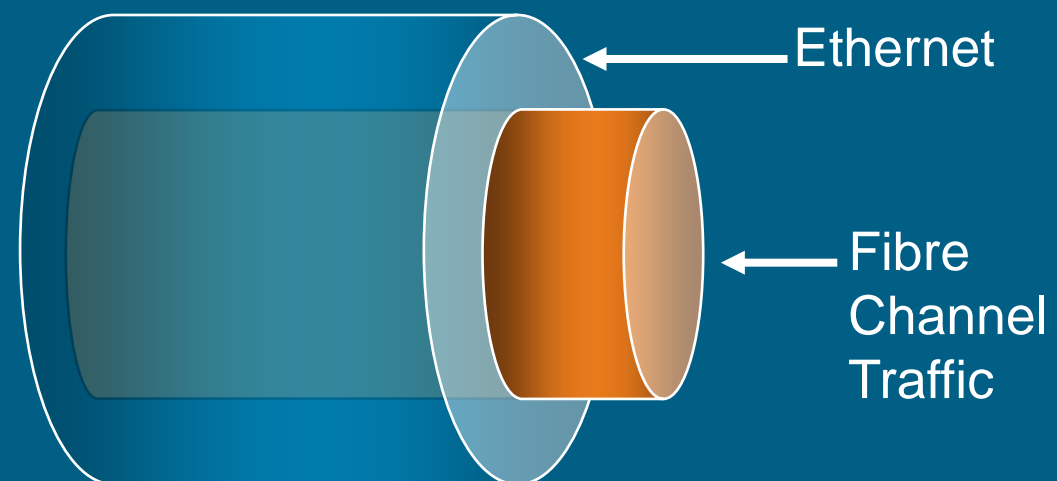
Benefits

- Fewer adapters needed
 - Fewer cables
- Both block I/O and Ethernet traffic co-exist on same cable
- Fewer switches needed
- Less power needed
Less heat generated
- Less cooling needed
 - Less rack space needed
 - Interoperates with existing SANs
 - No gateway - stateless

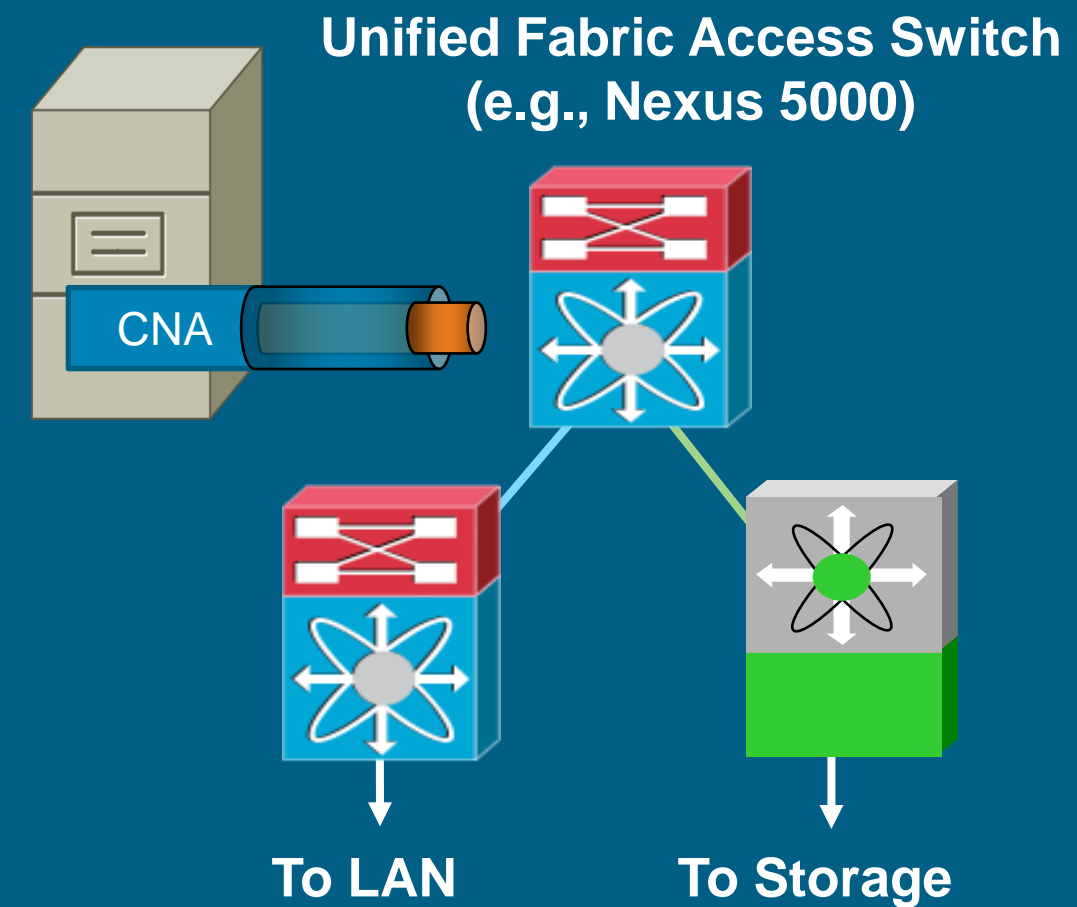
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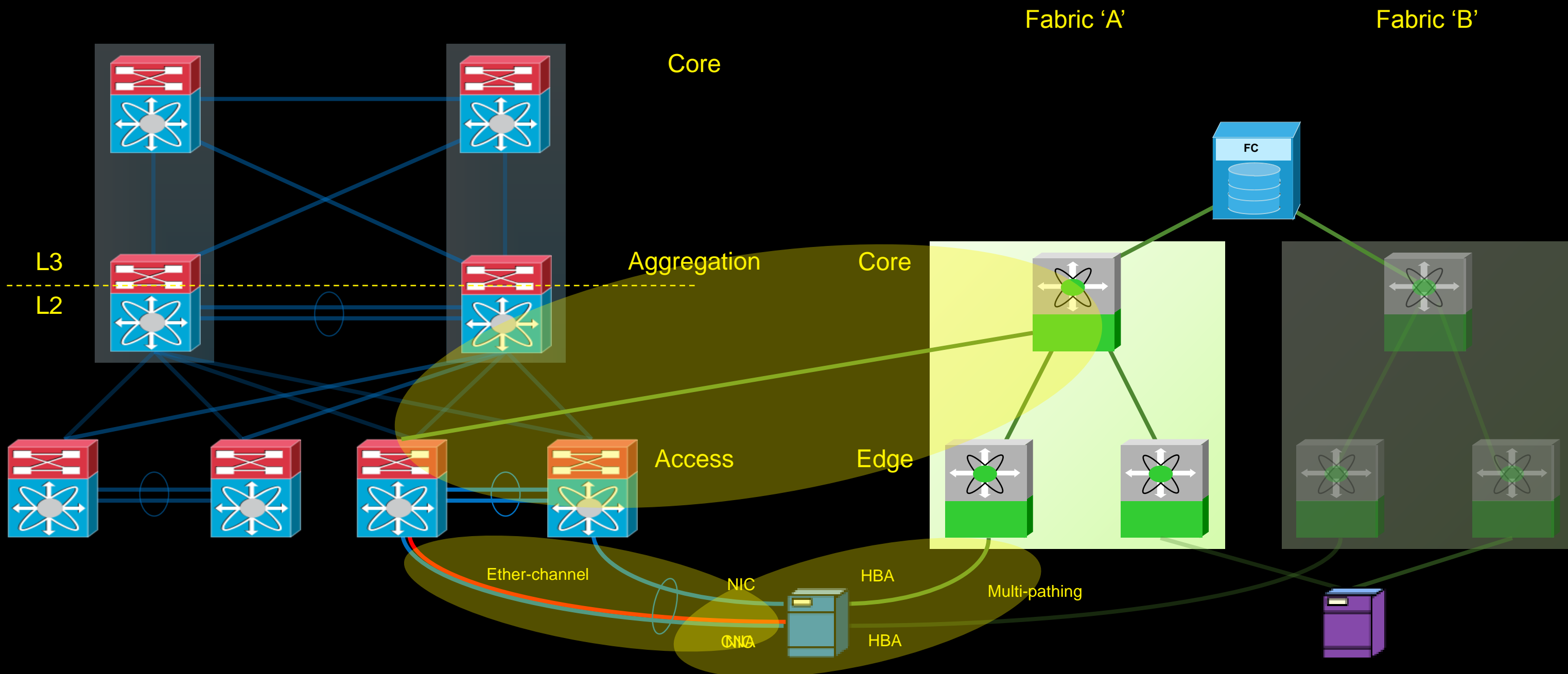
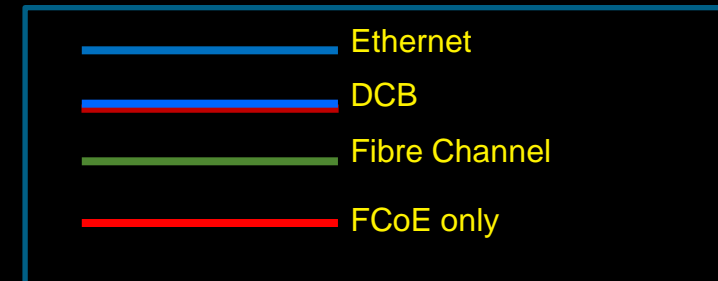


How Unified Fabrics Work



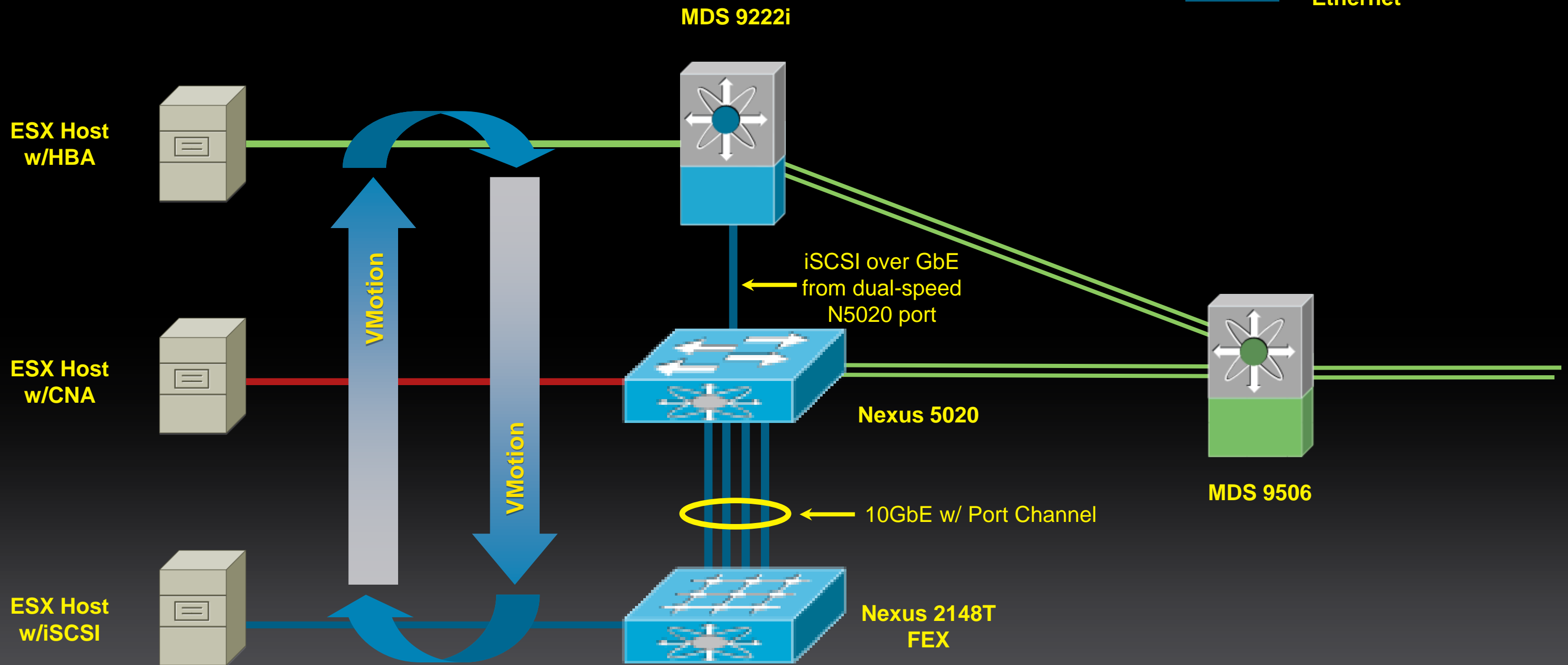
Network Topologies Today

Gradual Shift to "Phase 1"



It Can't Be That Easy

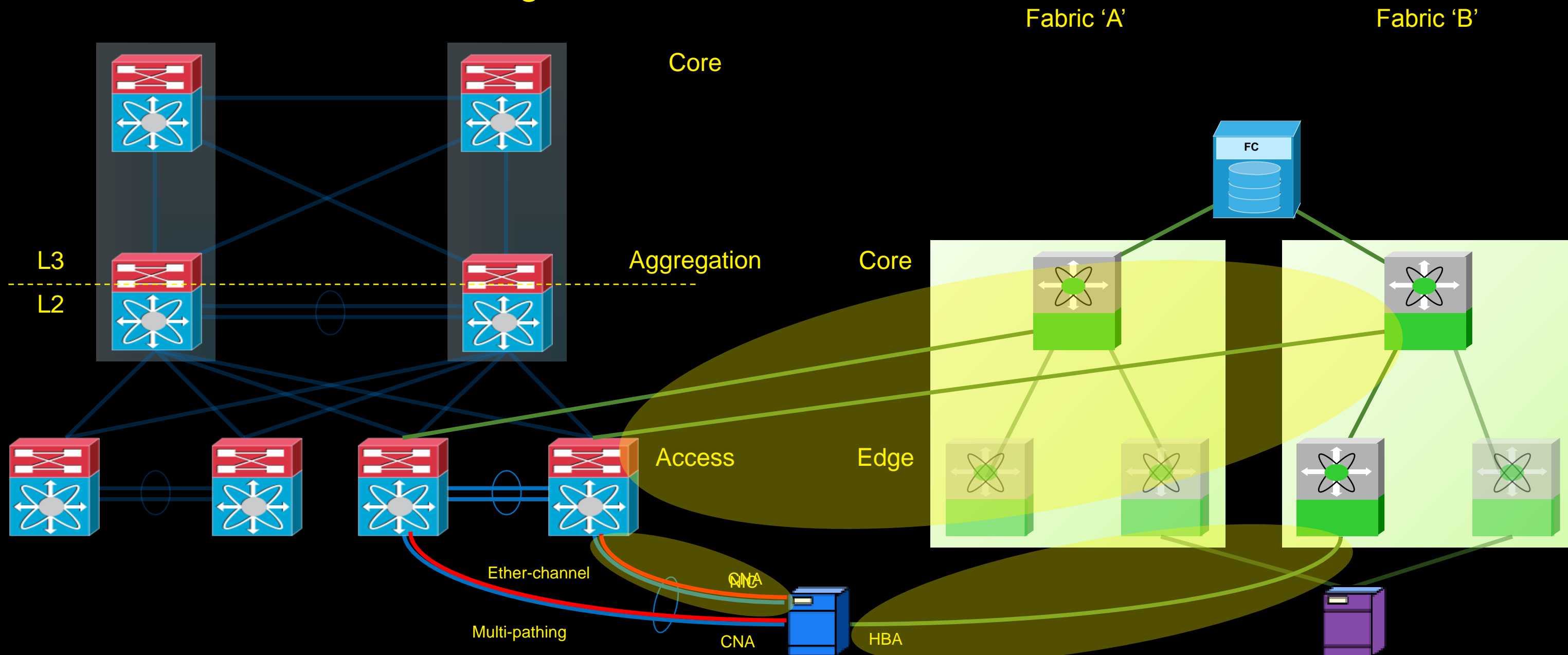
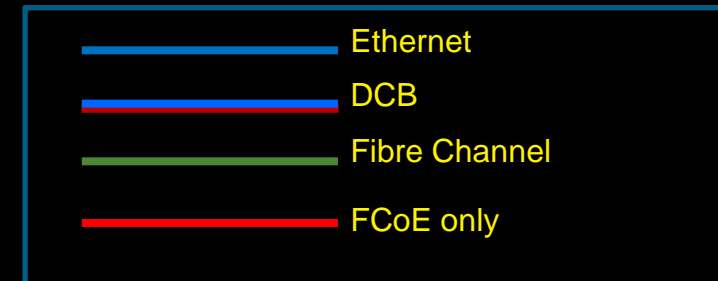
.Converting Virtualized Servers from FC to FCoE



Evolving to Unified Fabric

This is called Unified Fabric – Phase 1

Now Convert Fabric “B” Edge

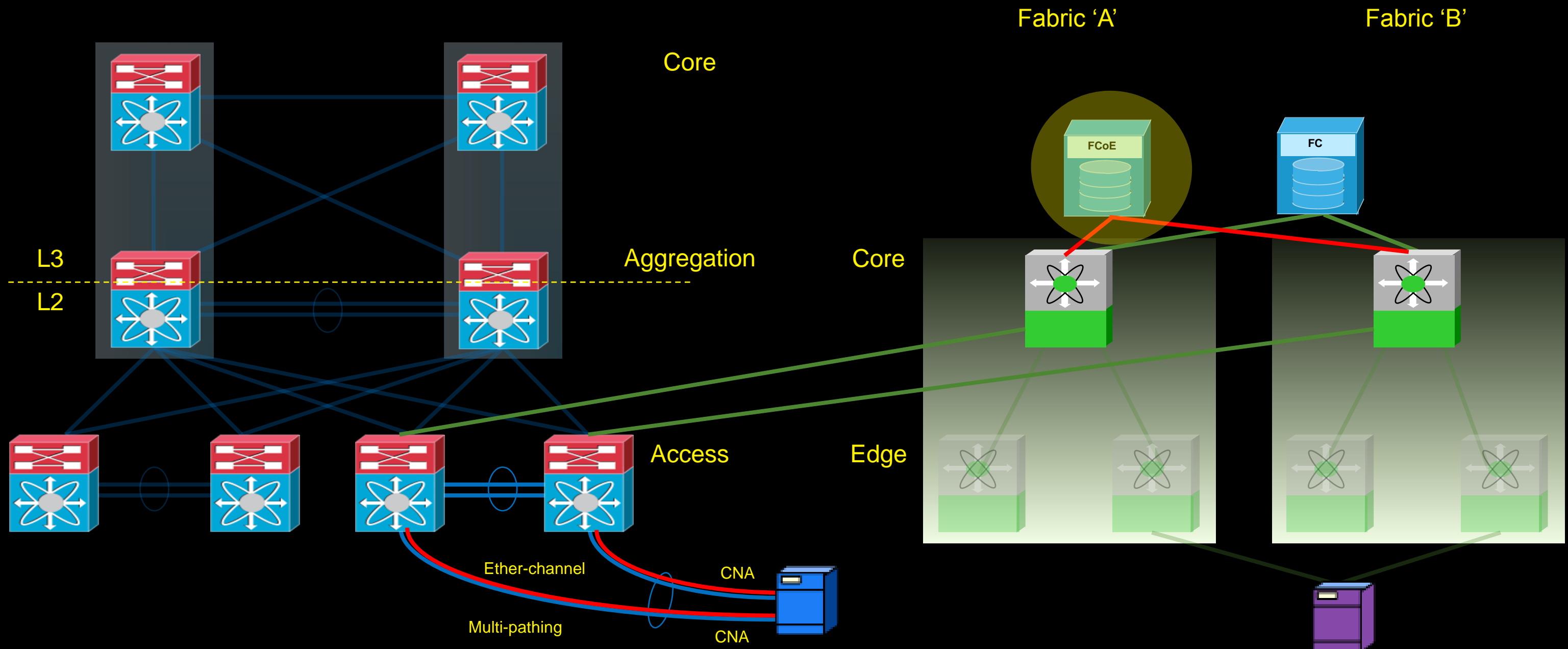
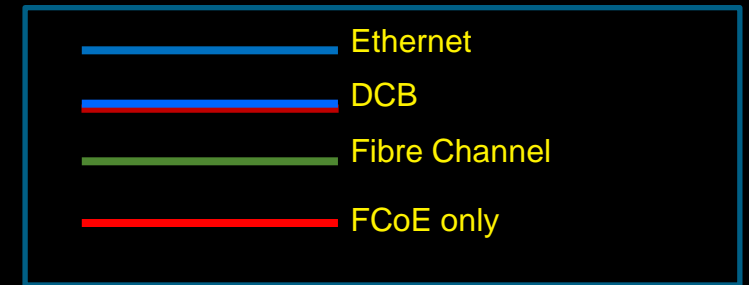


Catch Your Breath, Get Comfortable



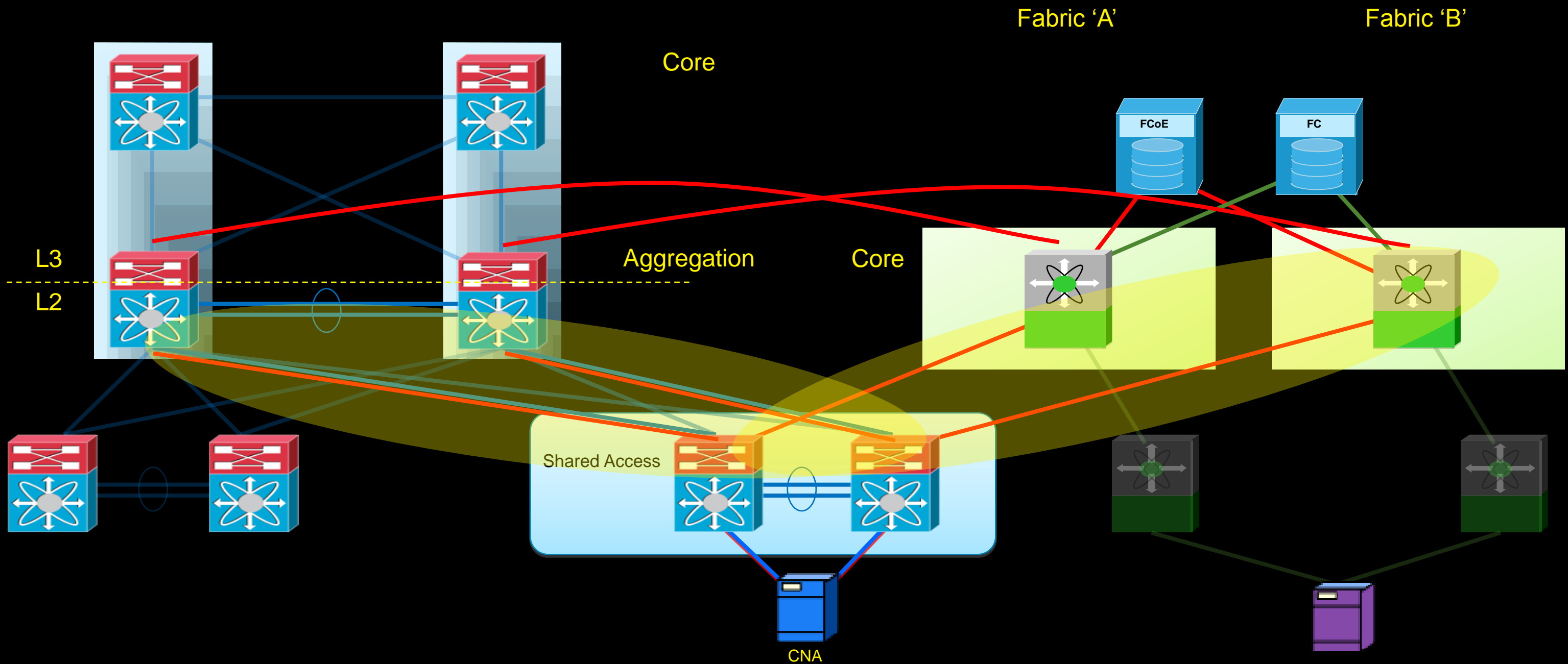
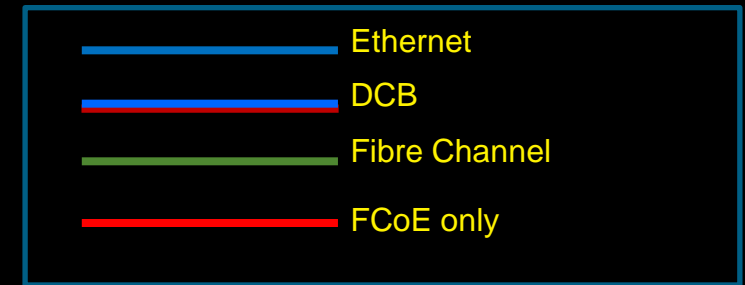
Evolving to Unified Fabric

Moving Beyond Phase 1



Network Topologies

Evolving Further



Network Topologies

Connecting Unified Storage

