

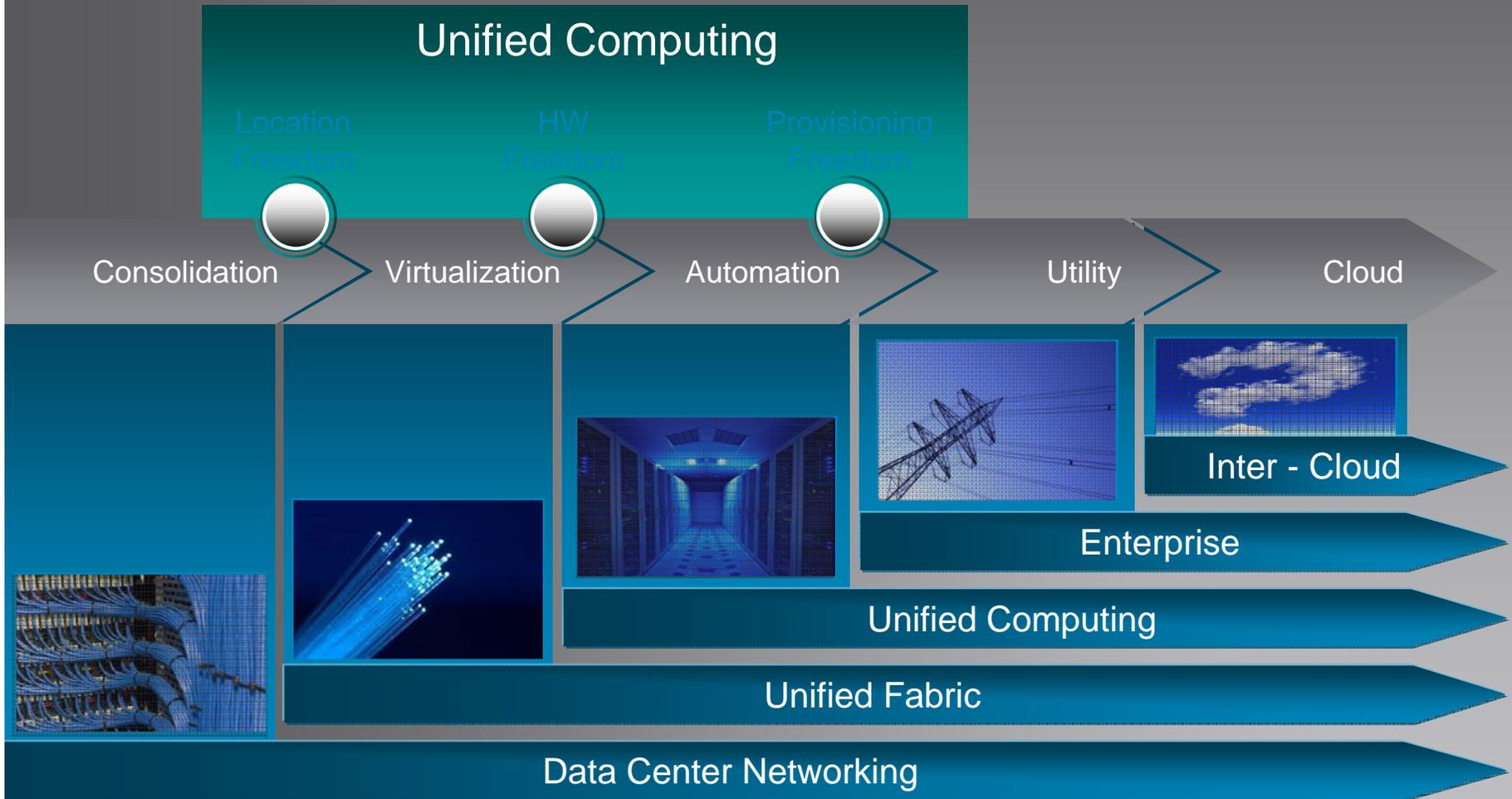


The Library of Congress Storage Architectures for Digital Preservation

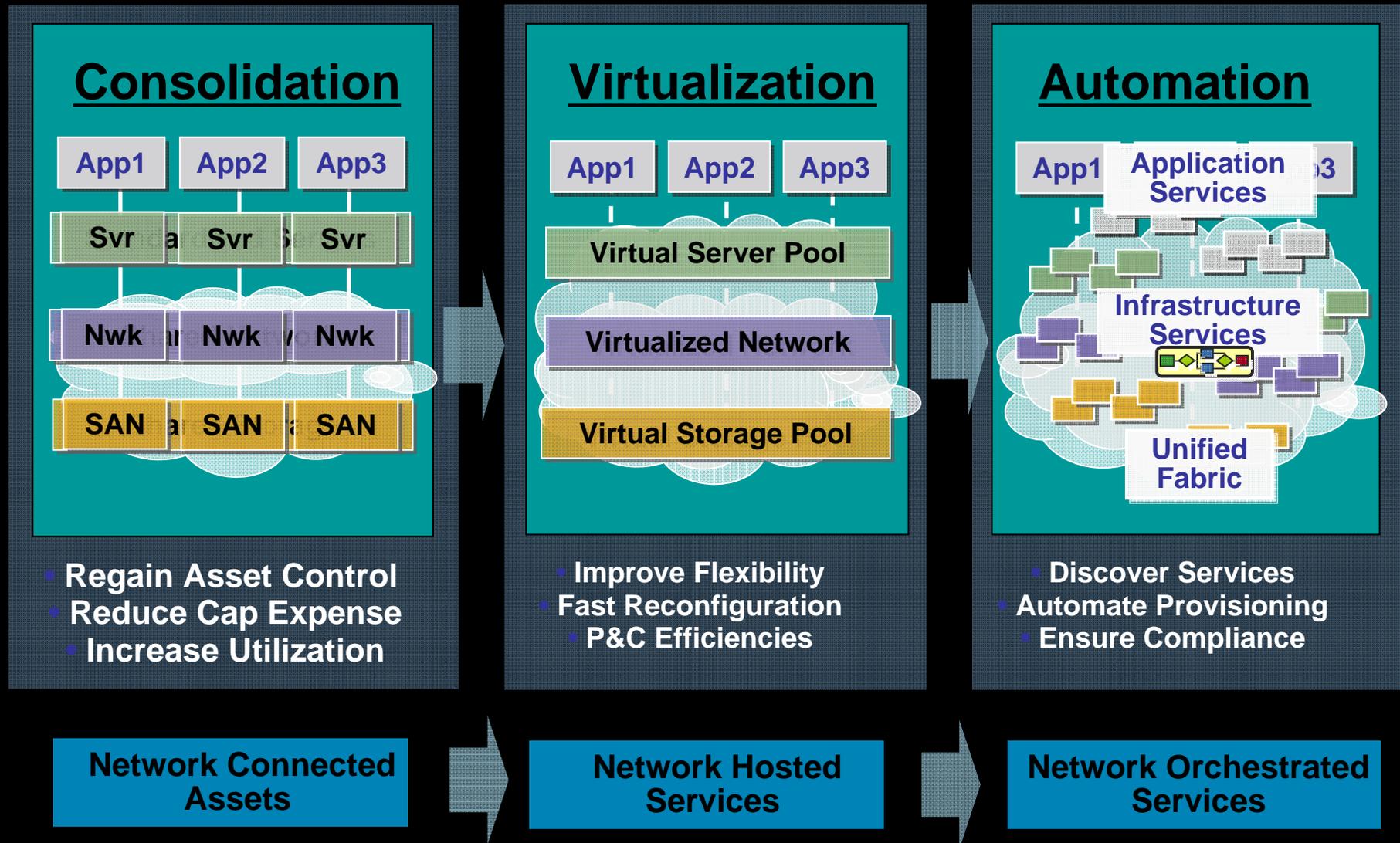
Module 2: Storage Directions

Data Center Evolution Path

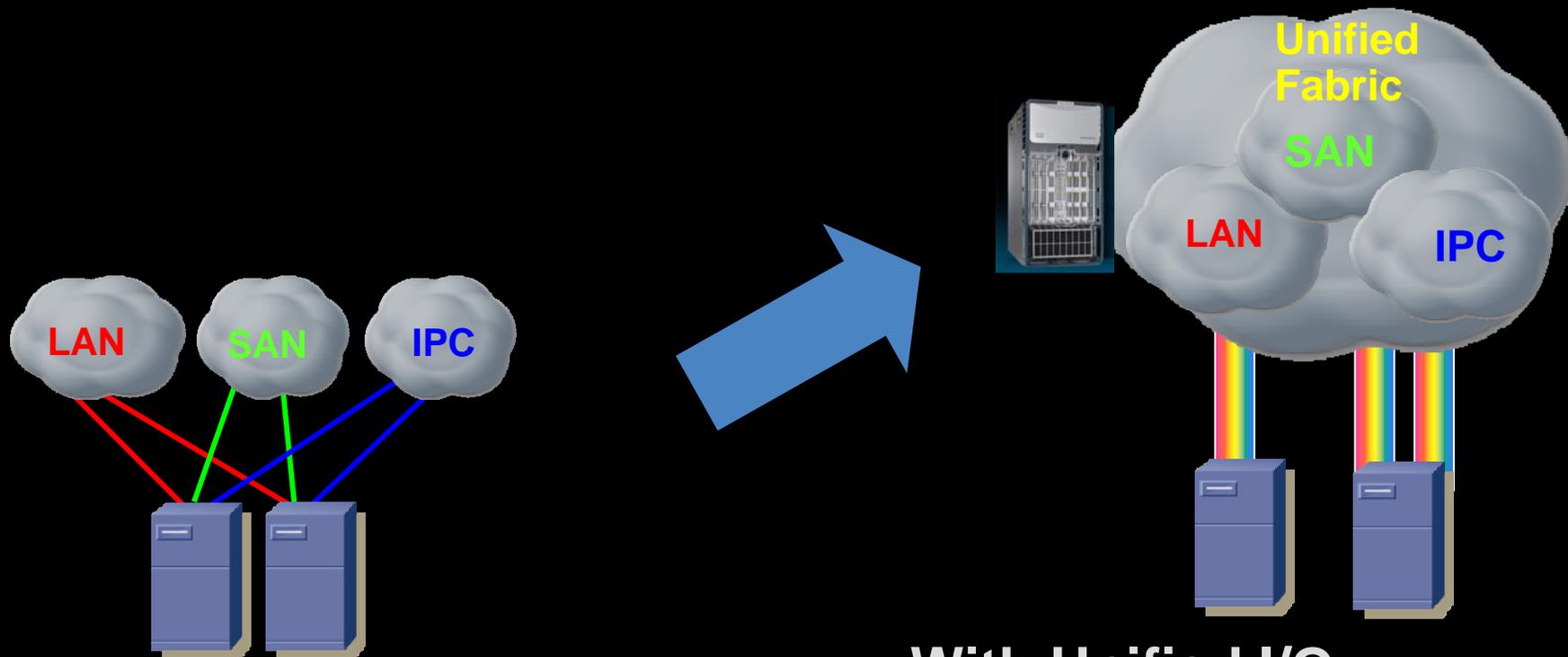
Cisco Unified Data Center Architecture



“From Silos to Services”: Network-Based DC Infrastructure Transformation



Data Center Evolution: *A Unified Fabric*



Today

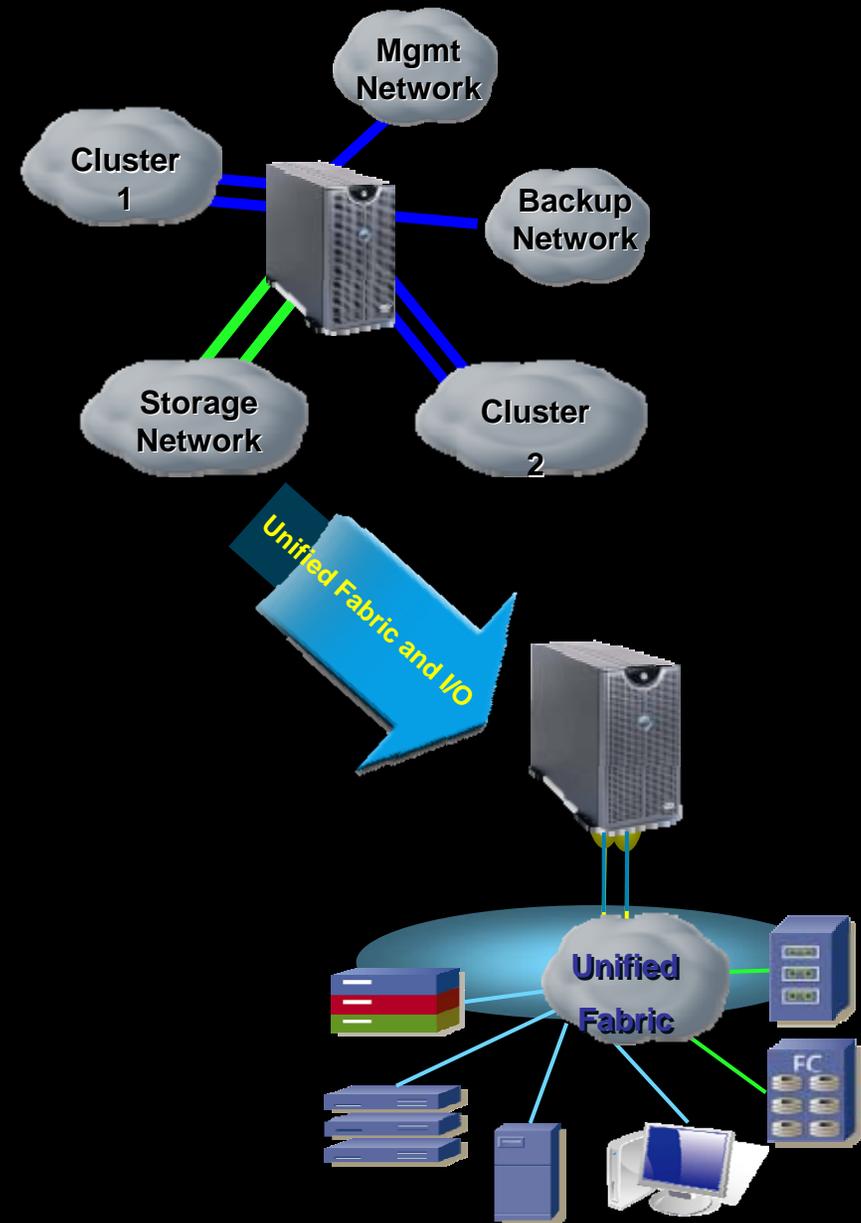
- Multiple I/O
- Higher Capex
- Higher Opex
- Multiple Mgmt mechanisms

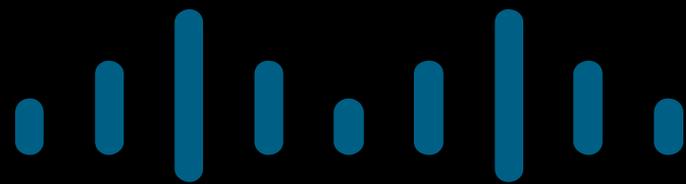
With Unified I/O

- Single Transport
- Unified & Virtualized I/O
- Built-in Interoperability
- Less parts/power/space
- Cost effective Service consistency

Cisco Unified Fabric:

- Cisco UF enhancements are standards-based
- Enables the unified fabric to accommodate LAN, storage and clustering application
- 30% Power Reduction in the server
- Eliminates additional switches and ports for additional power savings
- UF Features
 - Lossless transport
 - Bandwidth management
 - L2 Multipathing
 - Data Center Bridging Exchange Protocol





CISCO