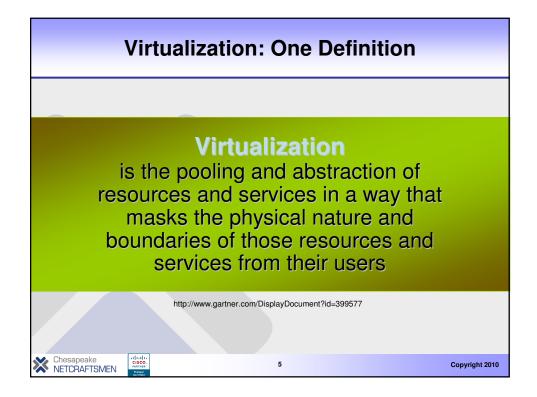
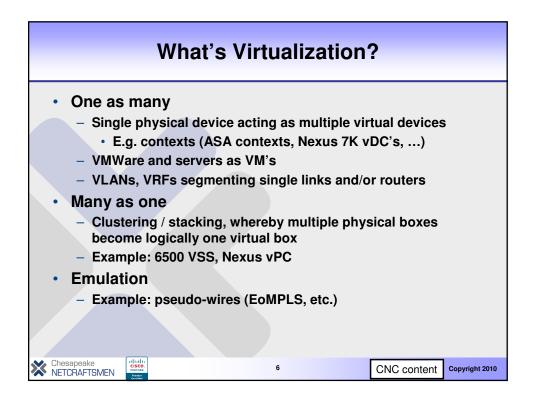


Agenda		
 Virtualization: Getting Motivated! Compute Resource Virtualization Network Virtualization Virtualization with VSS Virtualization with Nexus Adding Services Storage Virtualization Data Center Interconnect Conclusion 		
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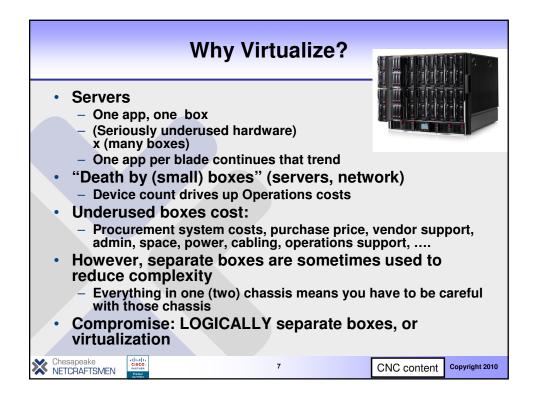


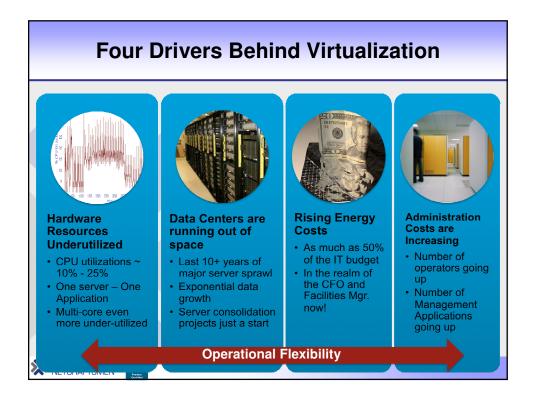






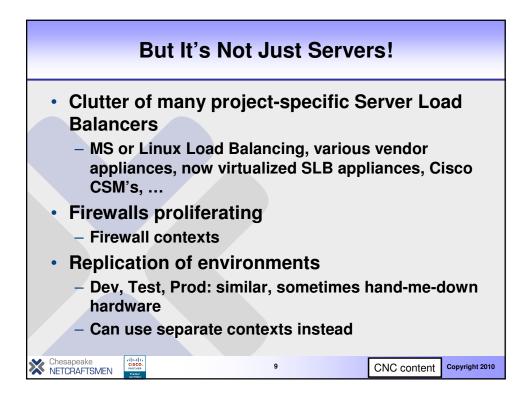


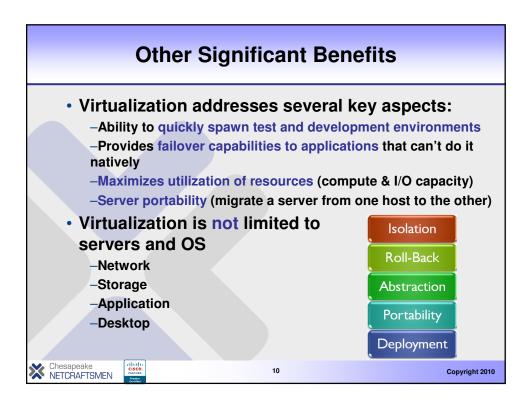






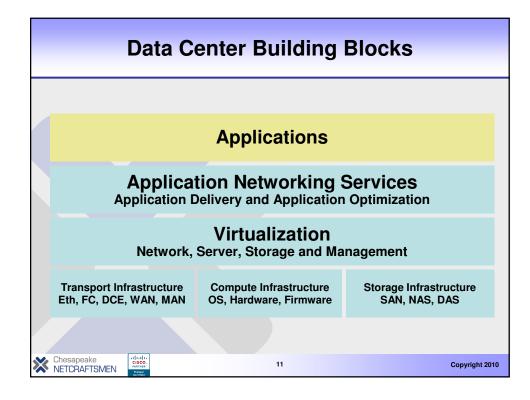


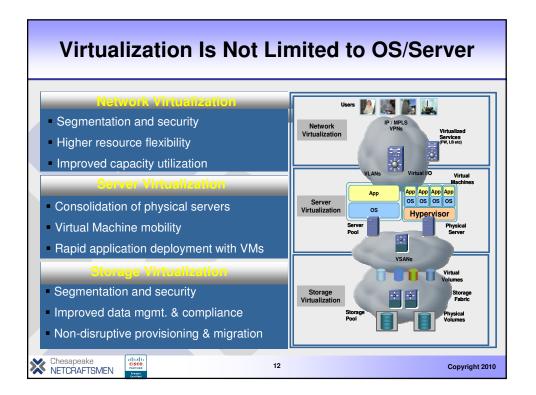






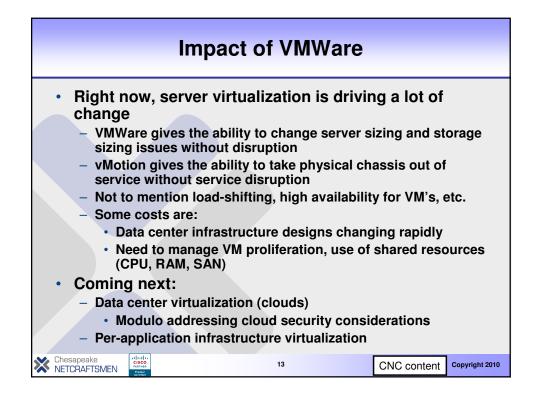


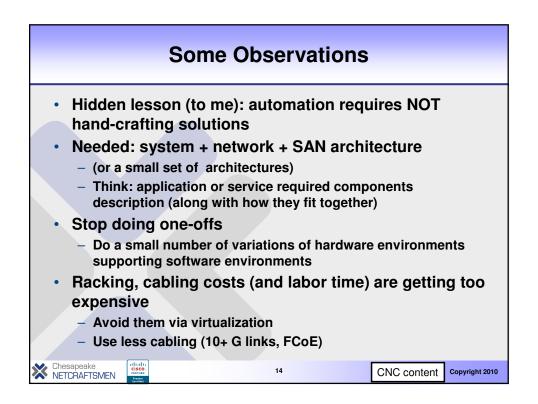






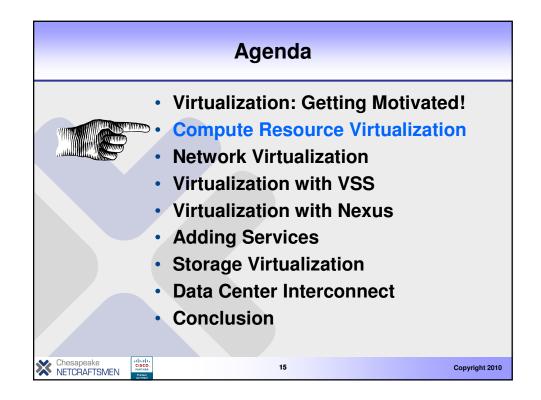


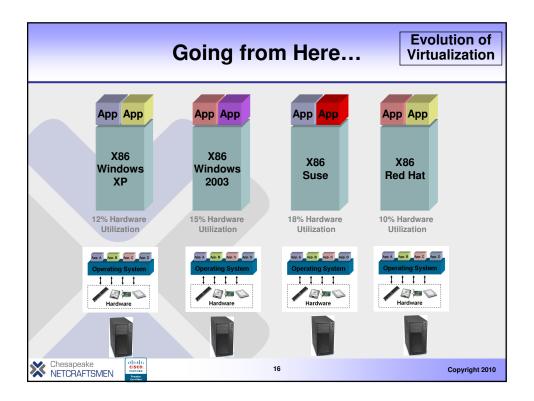






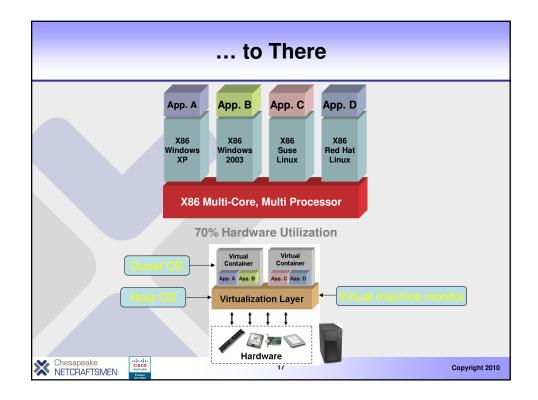


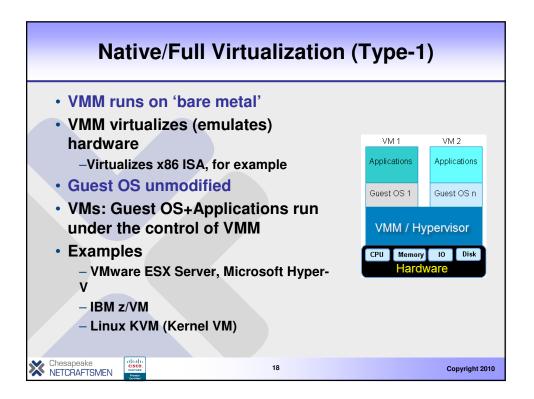






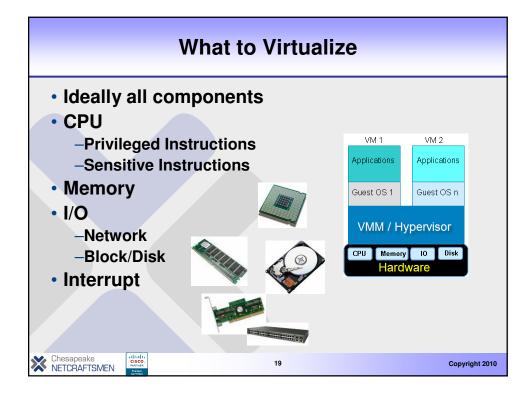


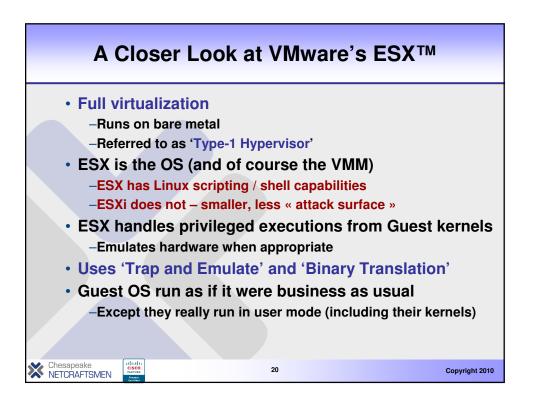






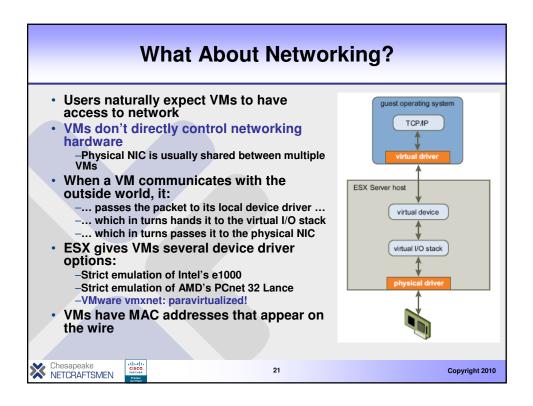


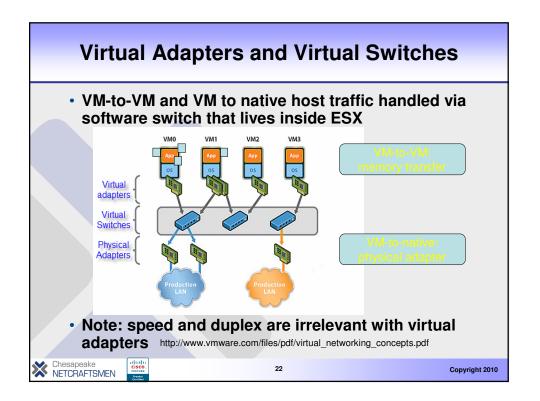






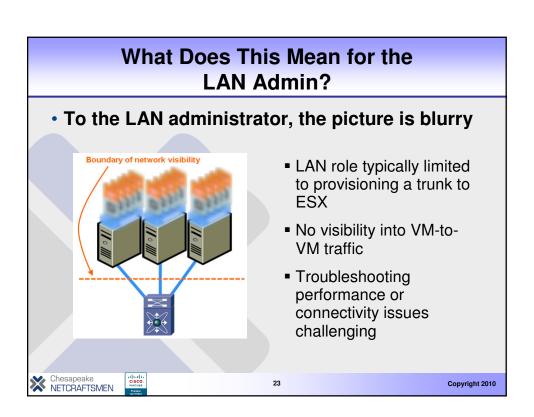


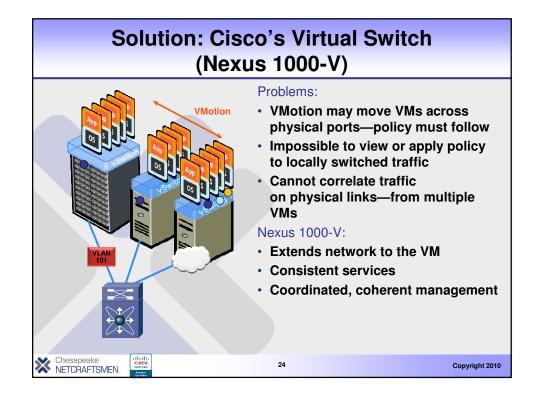








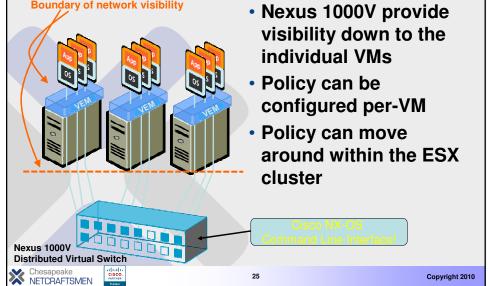


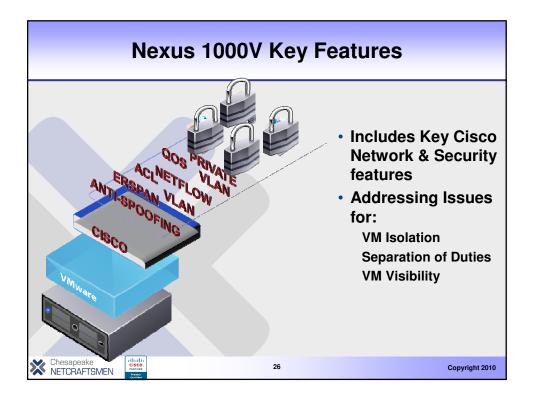






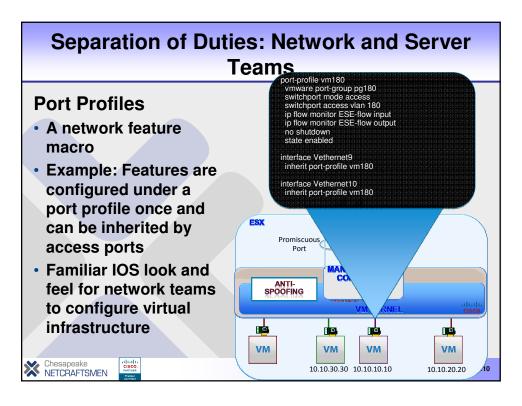
Virtual Networking with Cisco's Nexus 1000-V

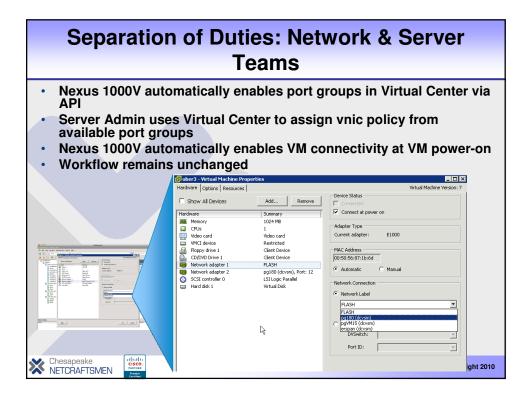






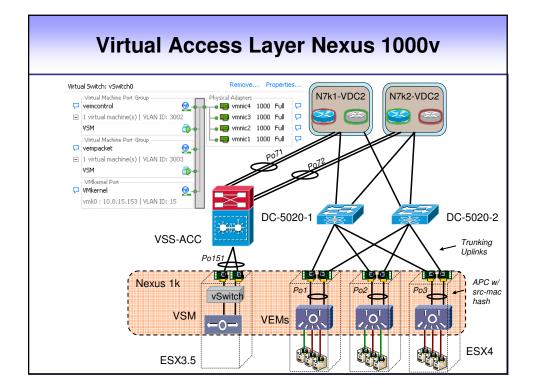


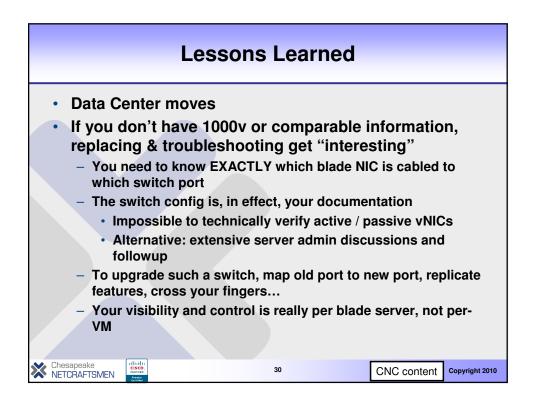






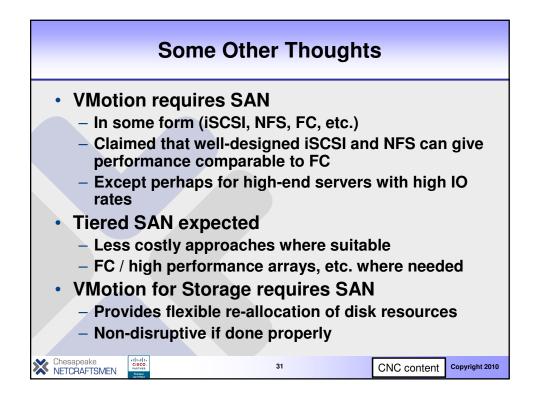


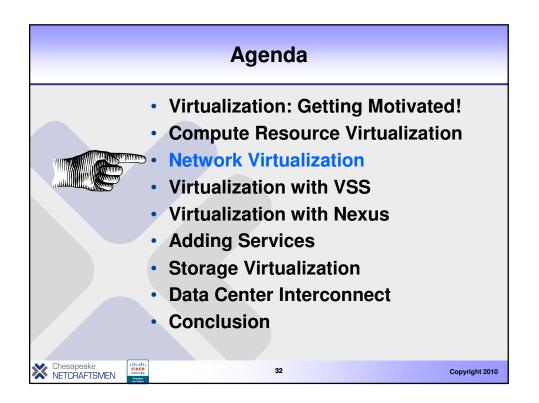






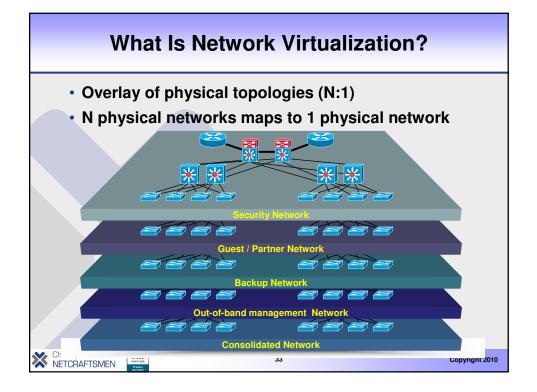


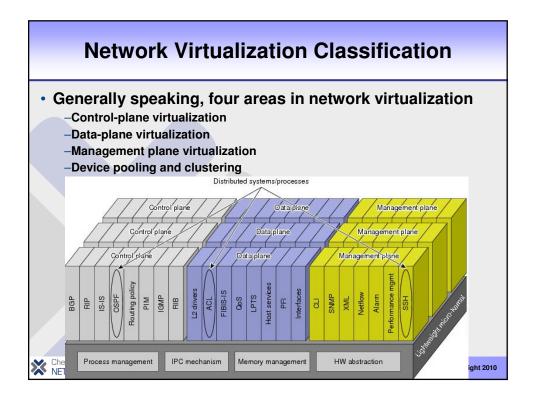






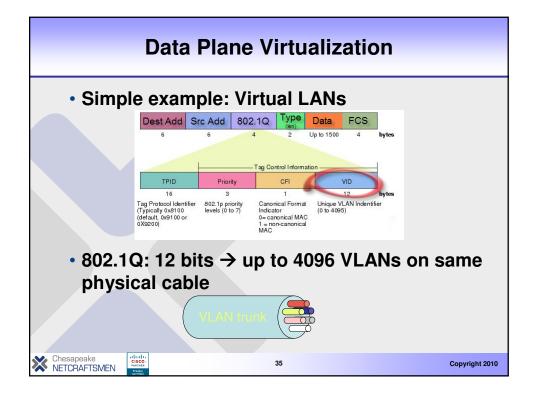


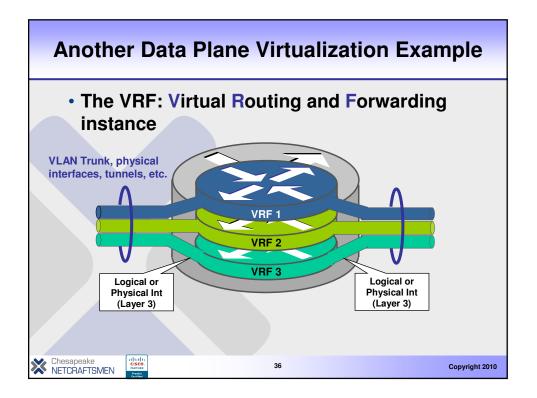






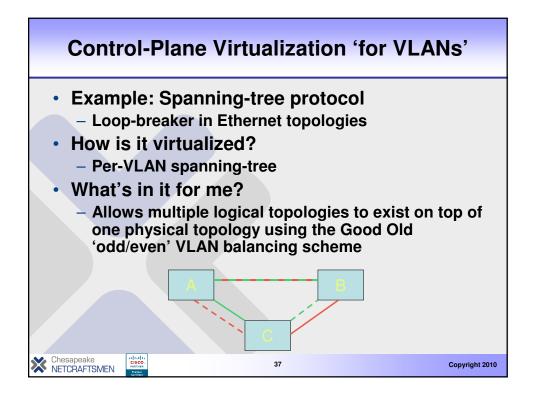


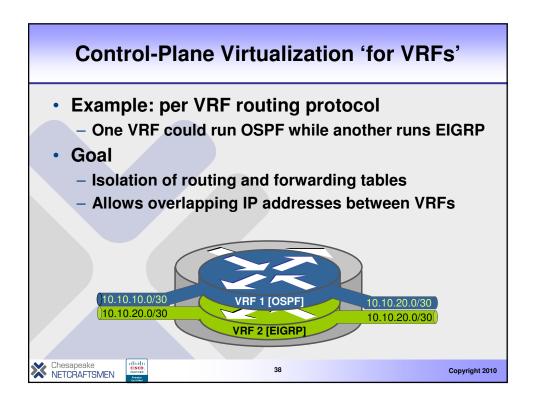






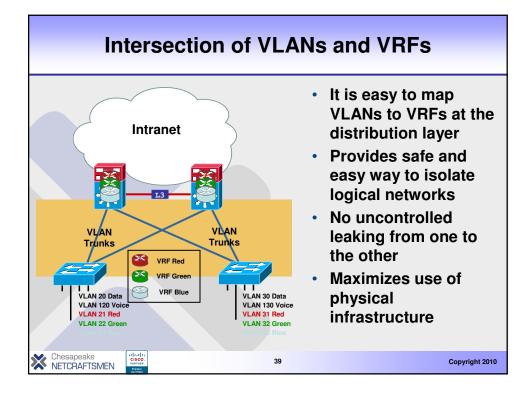


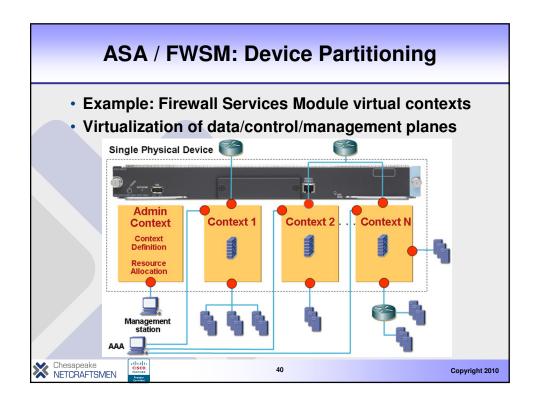






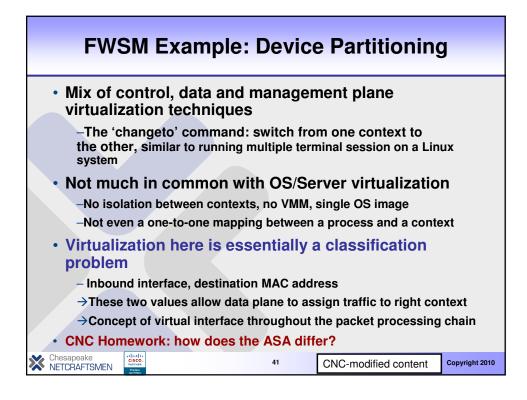


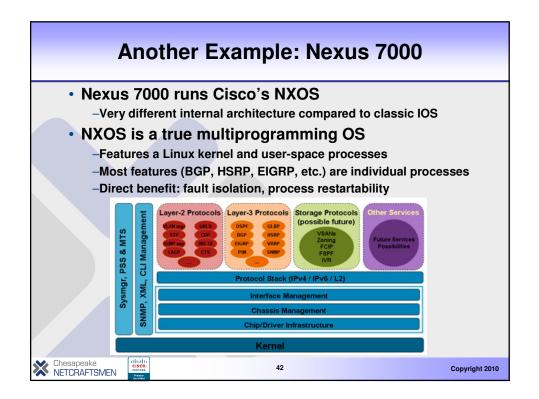






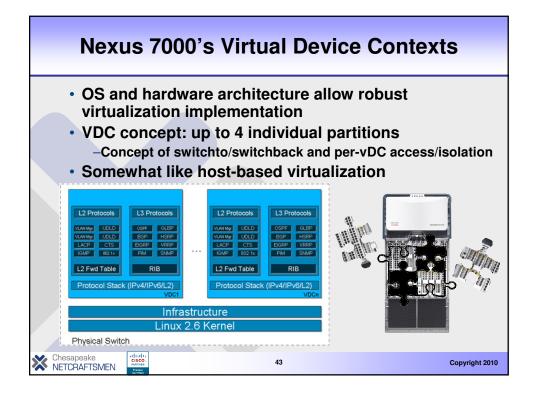


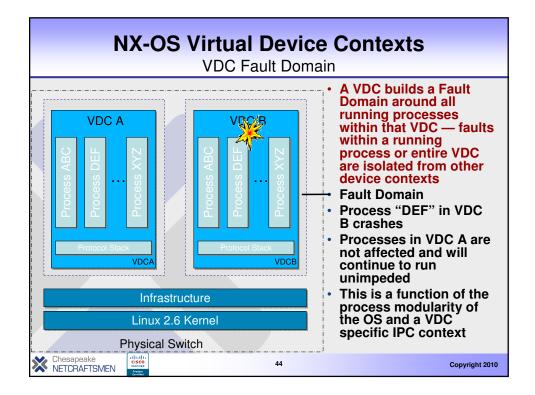






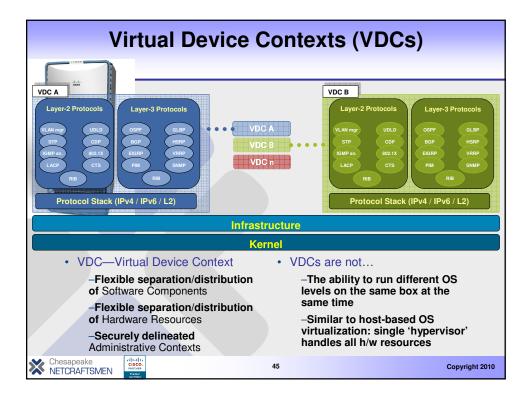


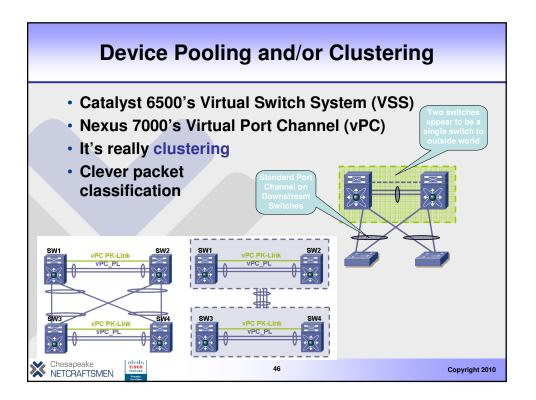






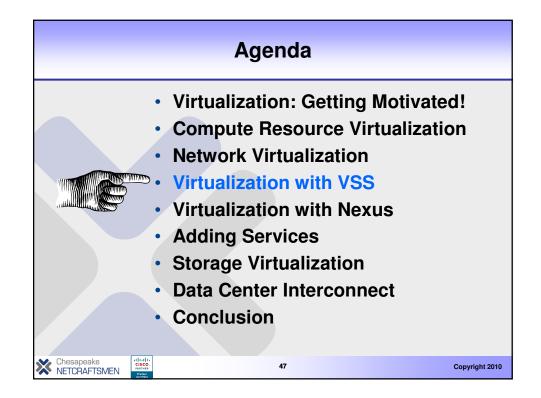


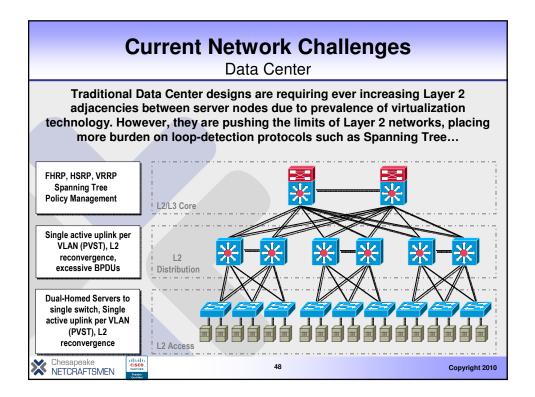






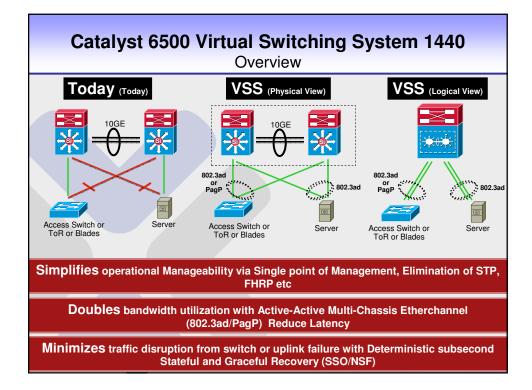


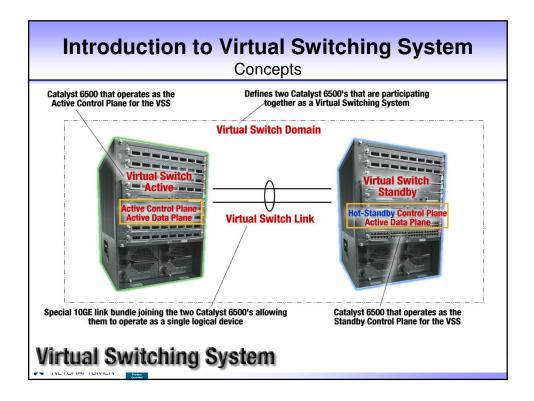






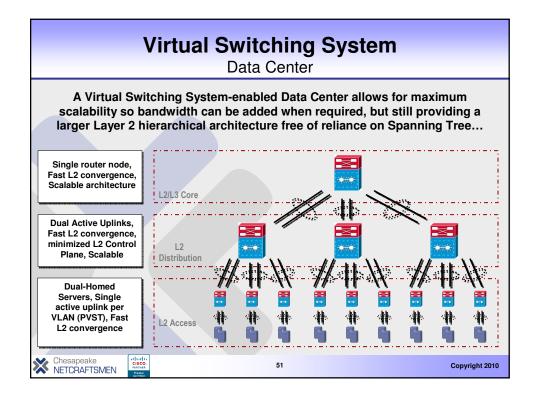


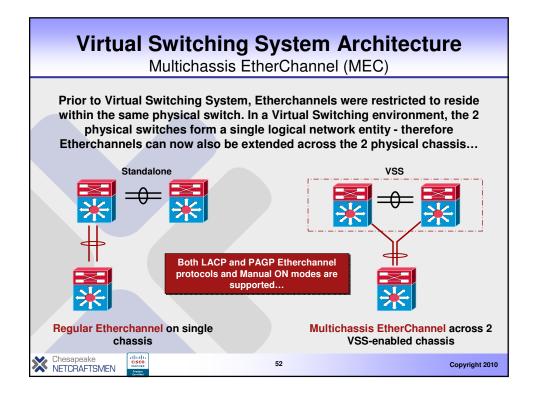






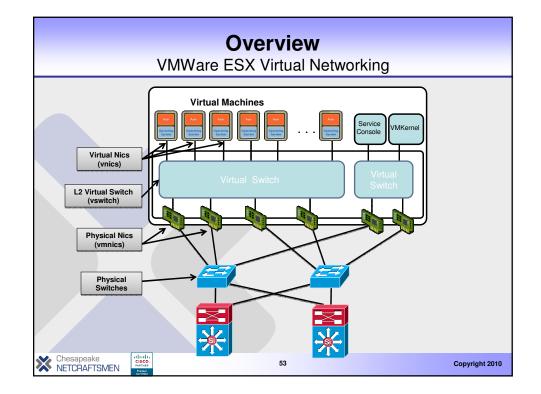


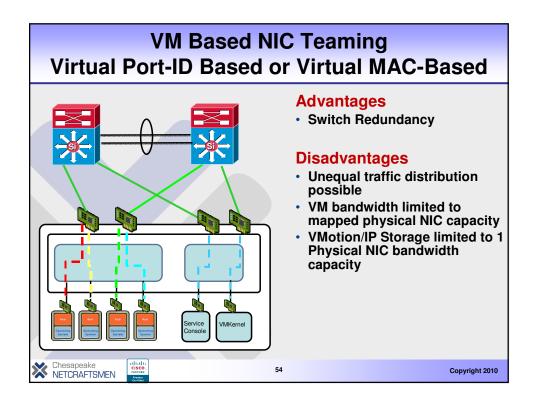






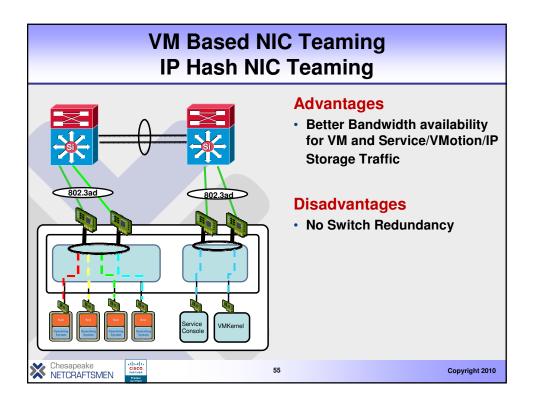


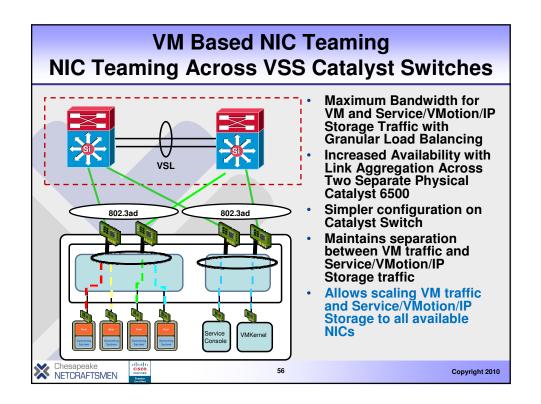






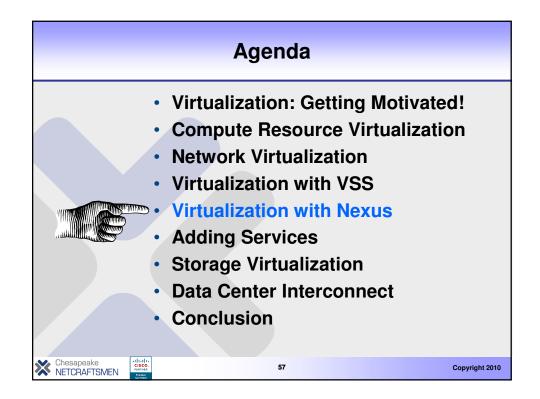


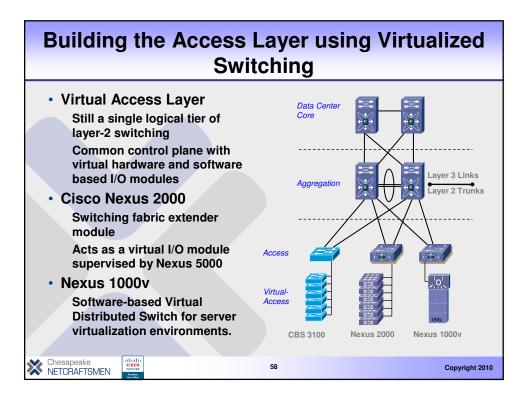










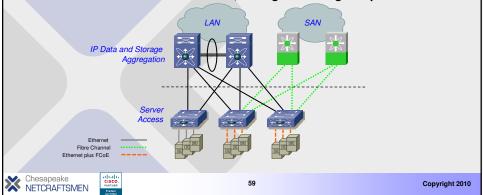


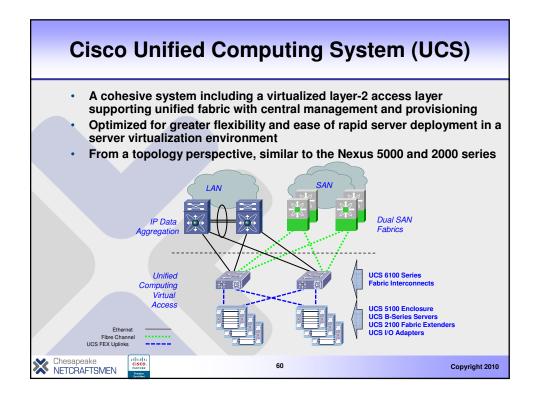




Migration to a Unified Fabric at the Access Supporting Data and Storage

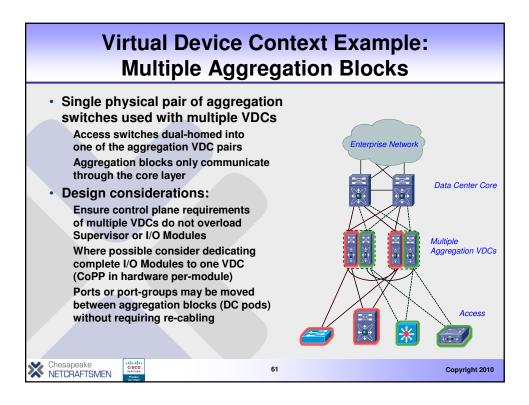
- Nexus 5000 Series switches support integration of both IP data
 and Fibre Channel over Ethernet at the network edge
- FCoE traffic may be broken out on native Fibre Channel interfaces from the Nexus 5000 to connect to the Storage Area Network (SAN)
- Servers require Converged Network Adapters (CNAs) to consolidate this communication over one interface, saving on cabling and power

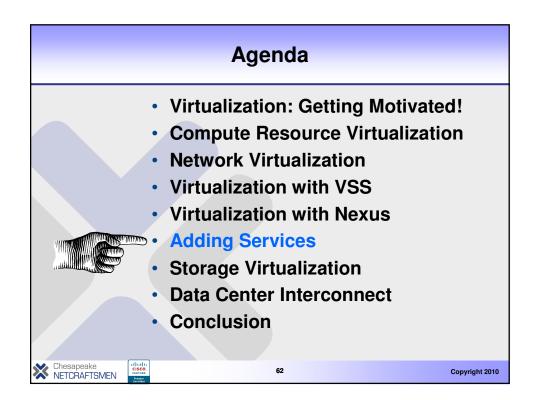






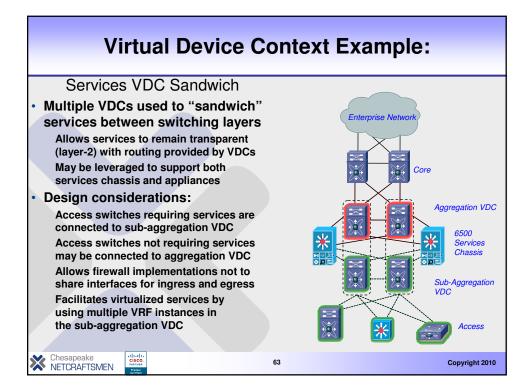


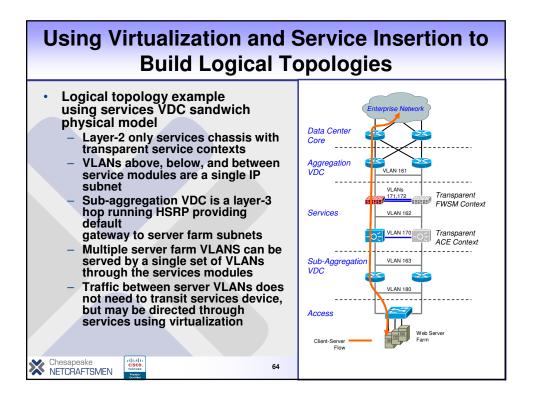






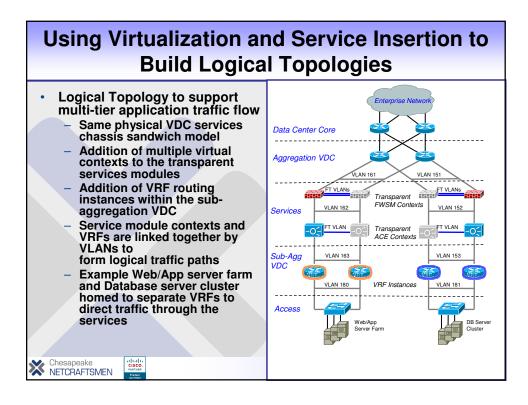


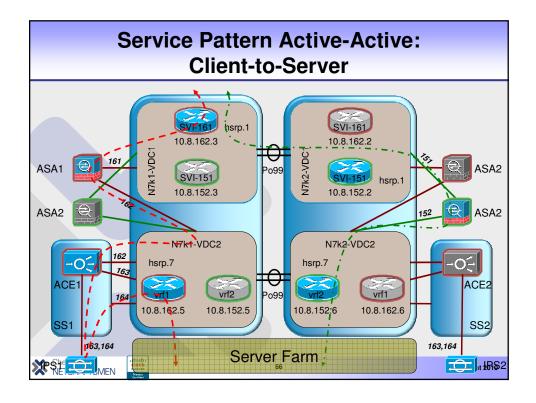






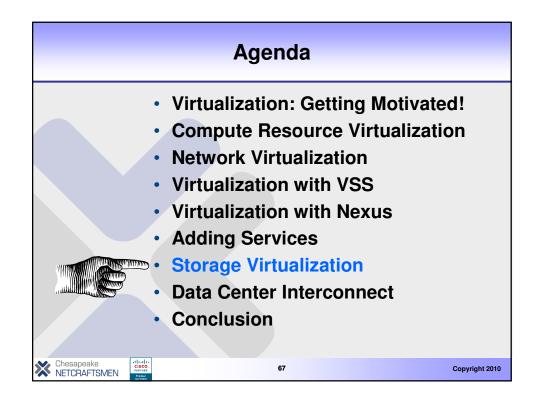


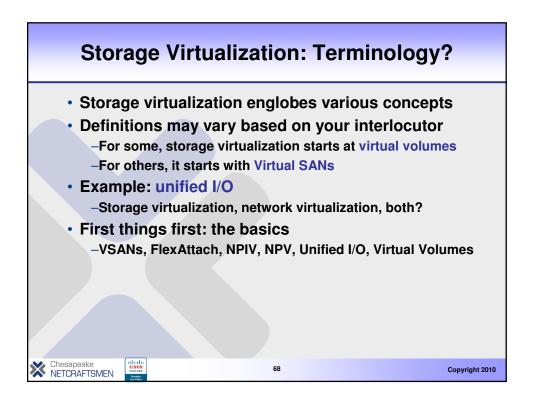






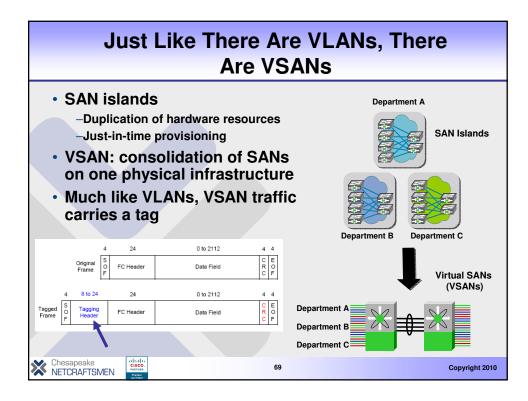


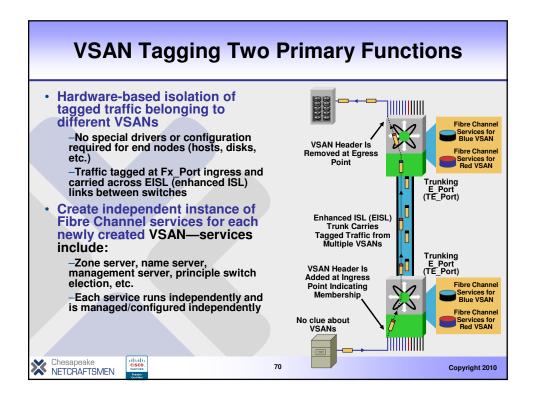






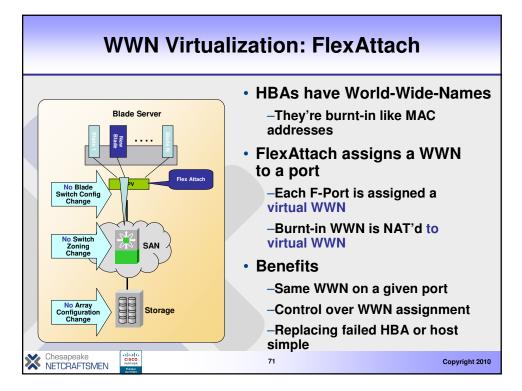


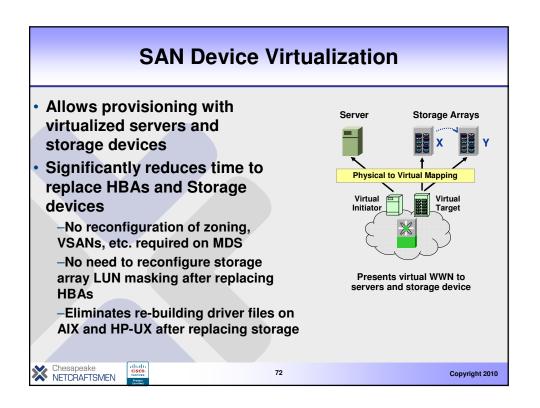






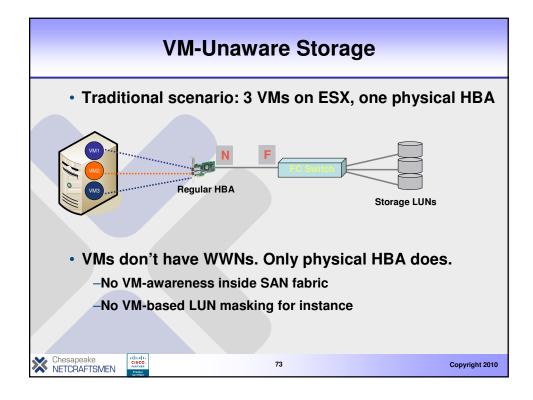


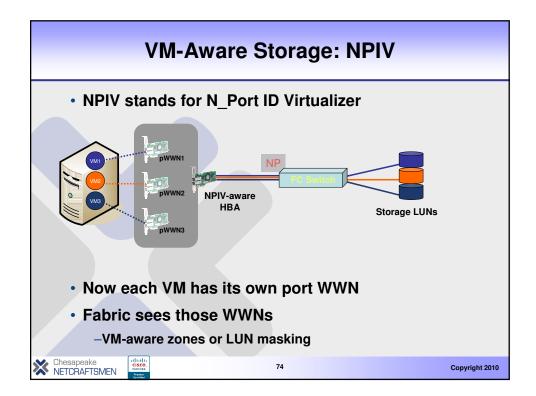






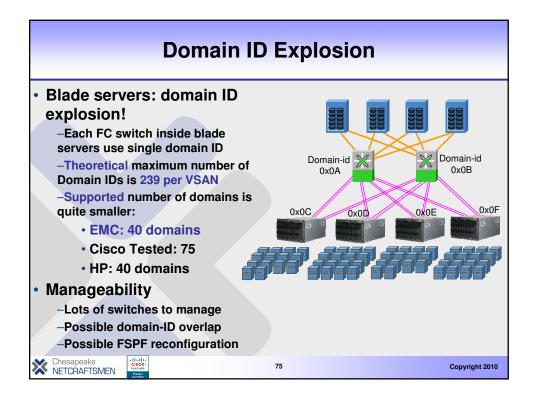


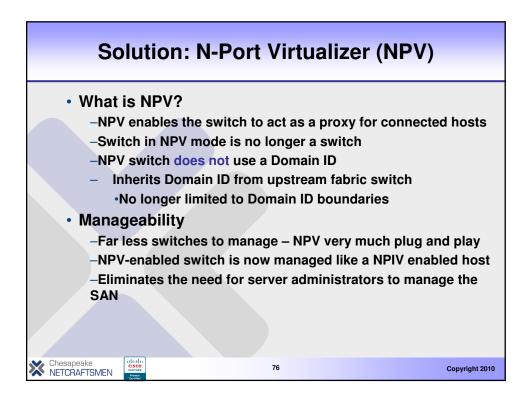






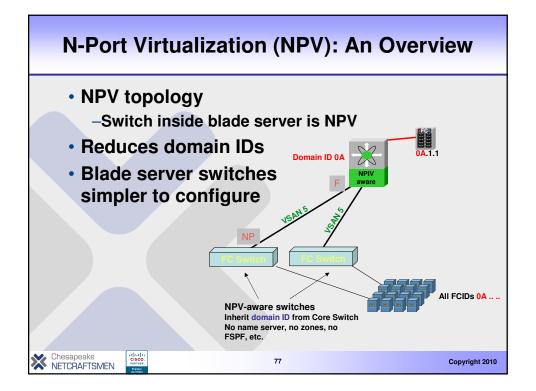


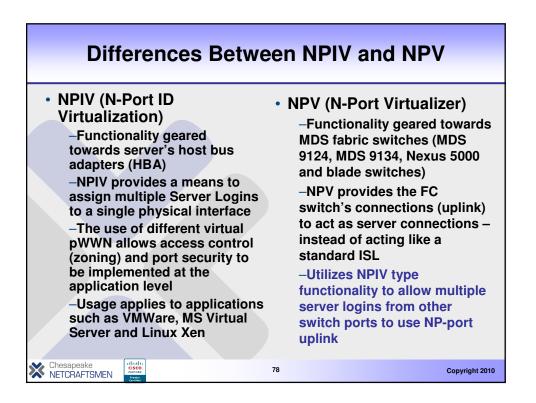






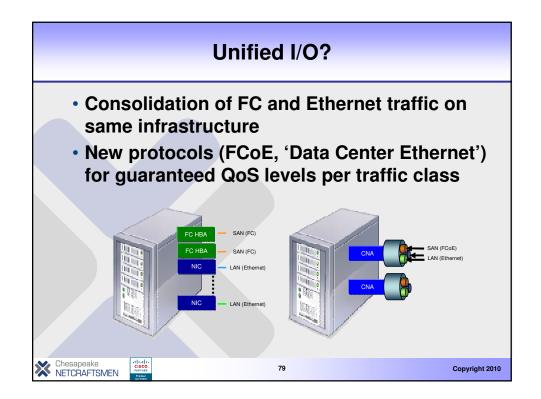


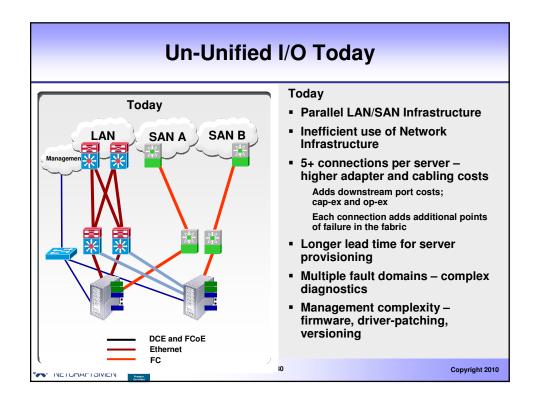






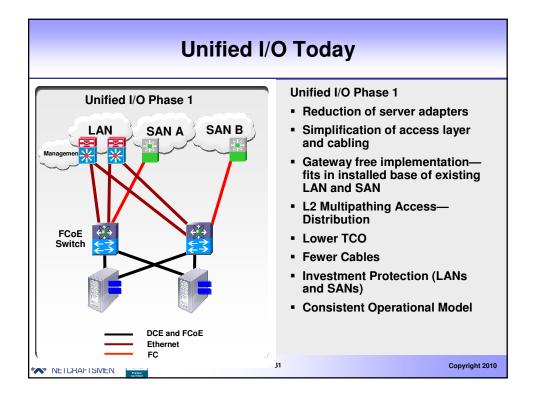


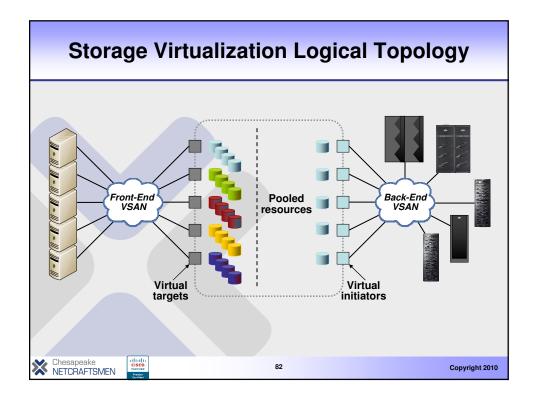






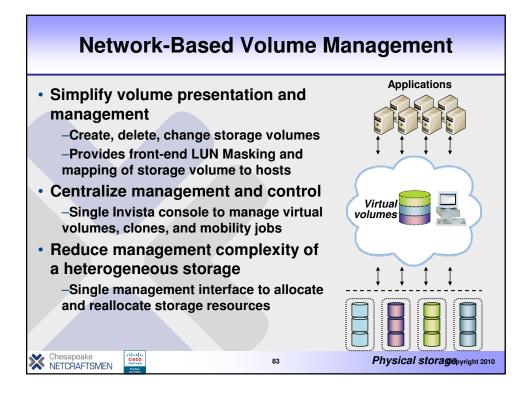


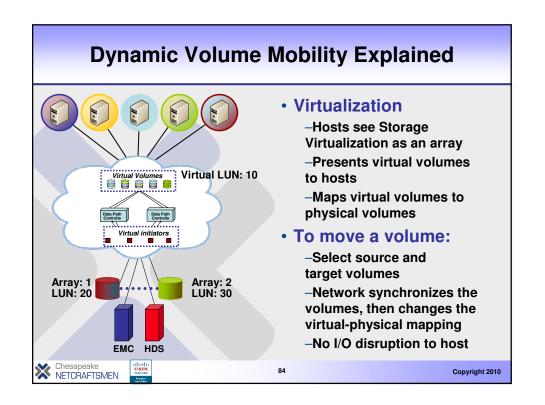






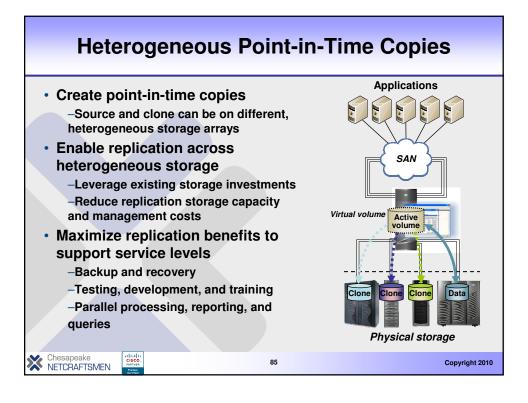








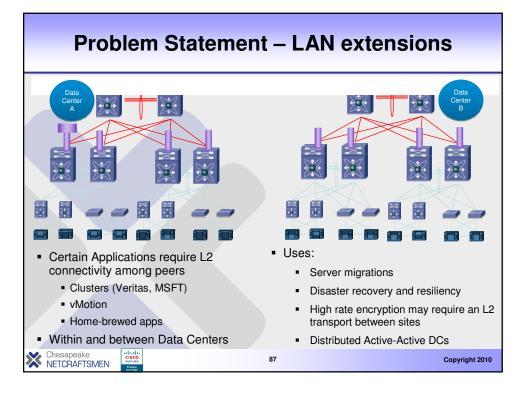


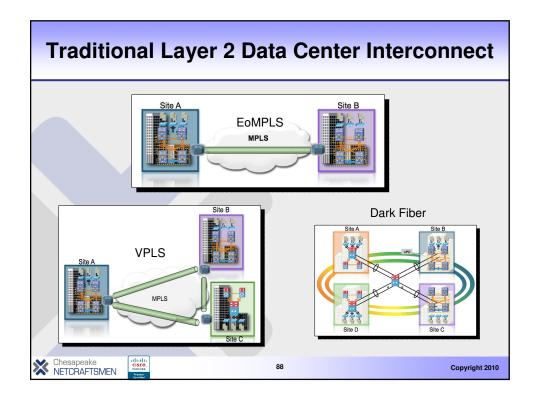


Agenda					
	 Virtualization: Getting Motivate Compute Resource Virtualizatio Network Virtualization Virtualization with VSS Virtualization with Nexus Adding Services Storage Virtualization Data Center Interconnect Conclusion 				
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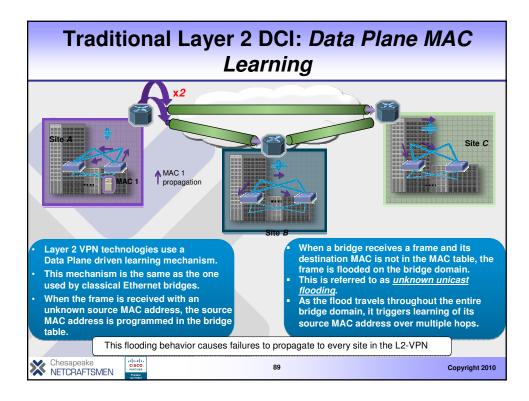


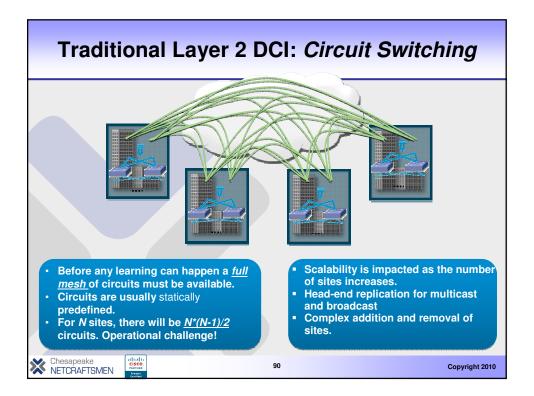






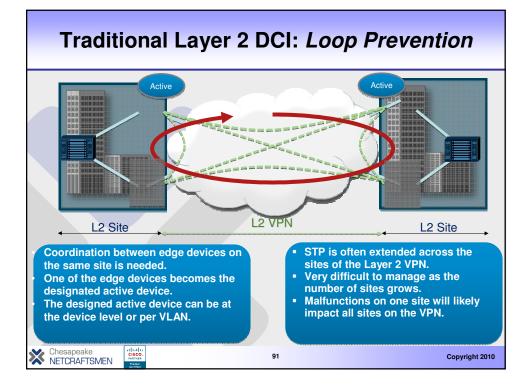


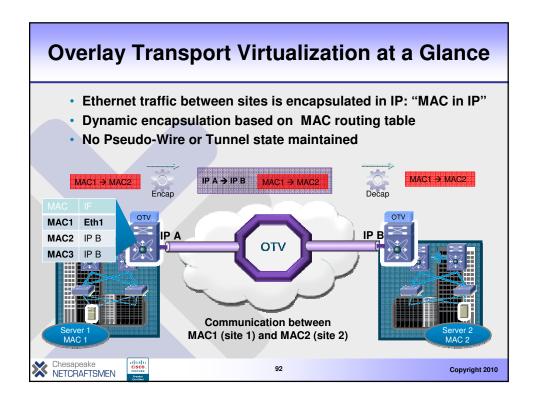






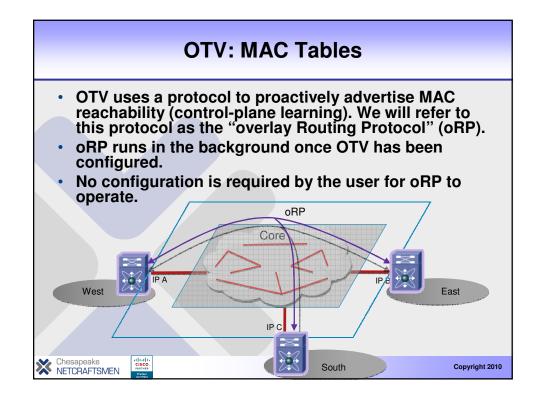


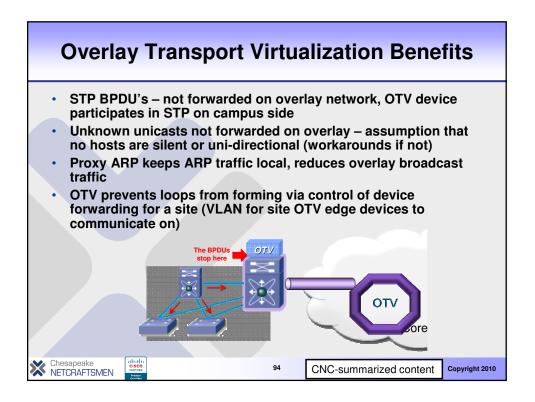






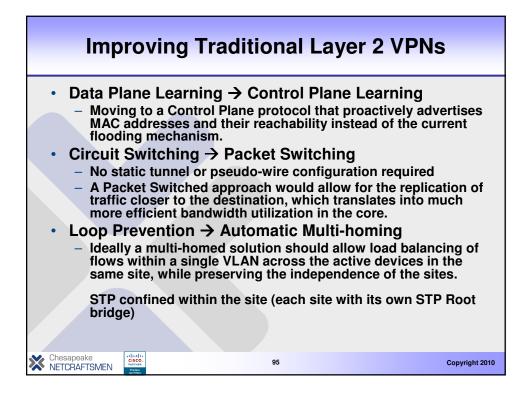


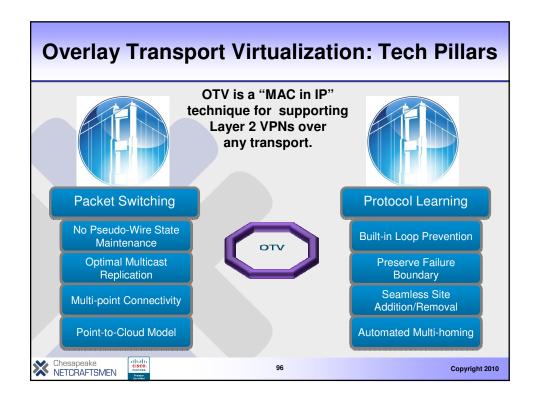






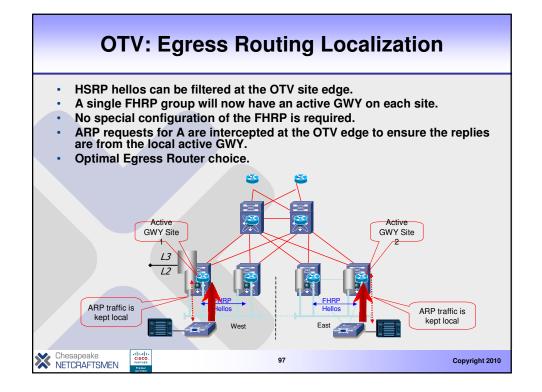


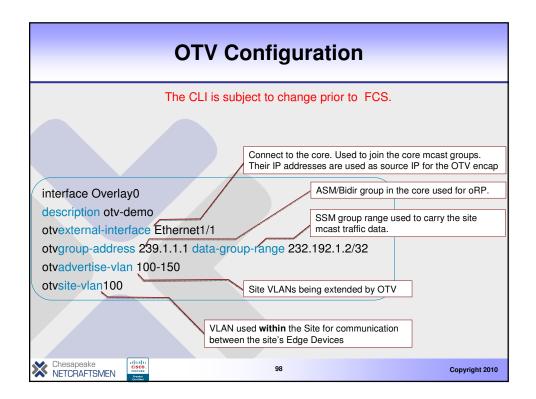






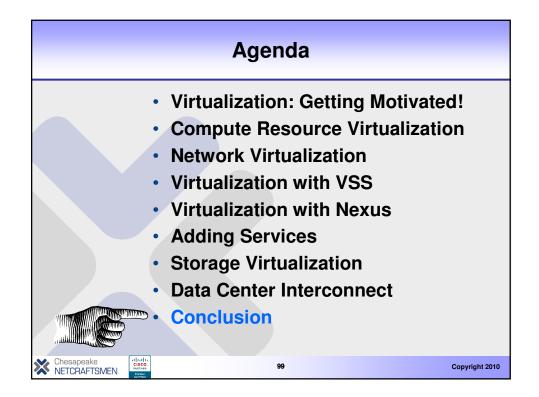


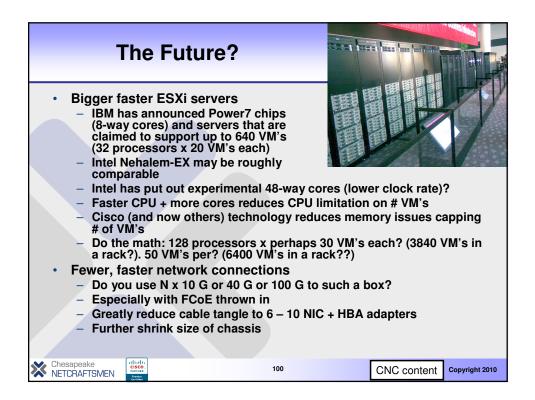






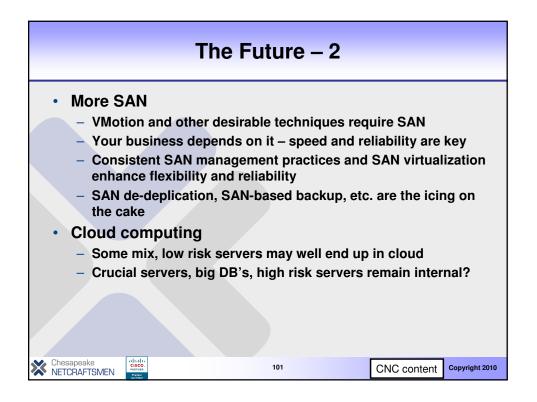


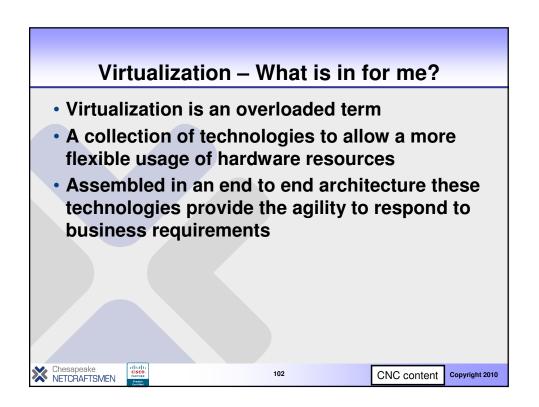






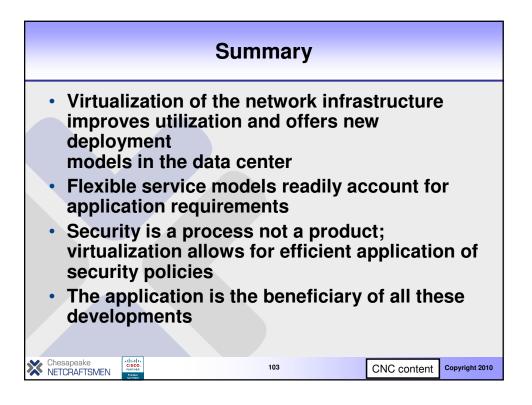


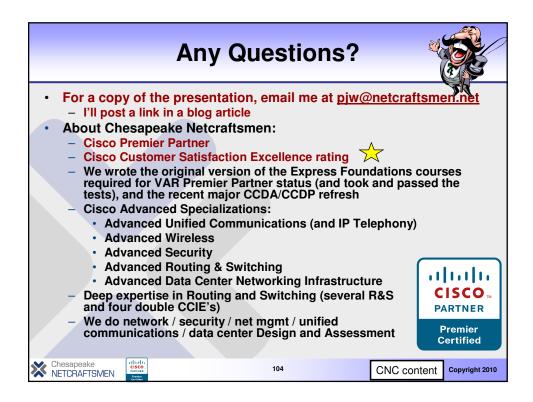








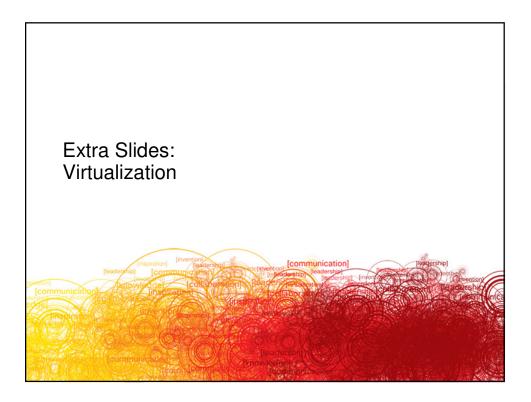






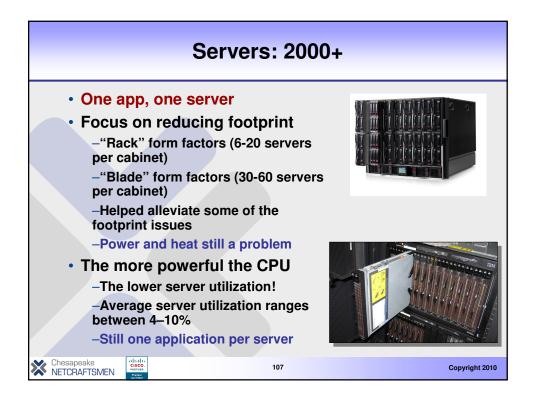


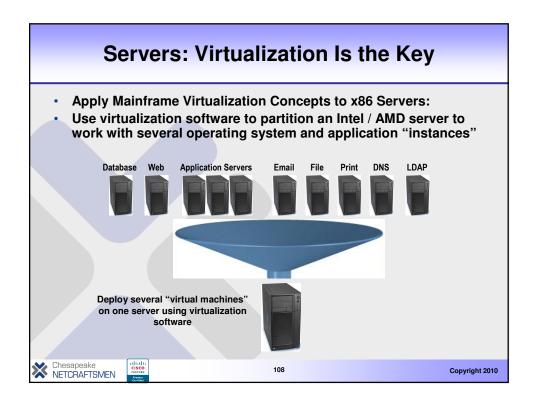






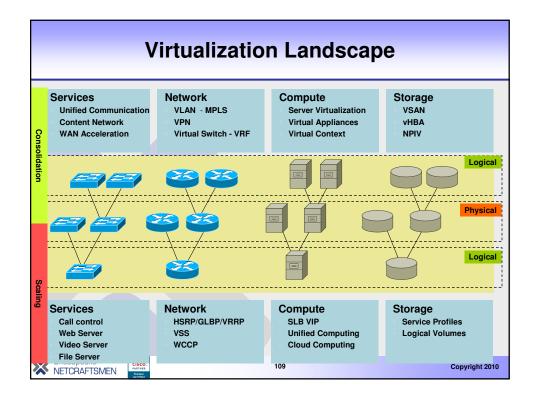


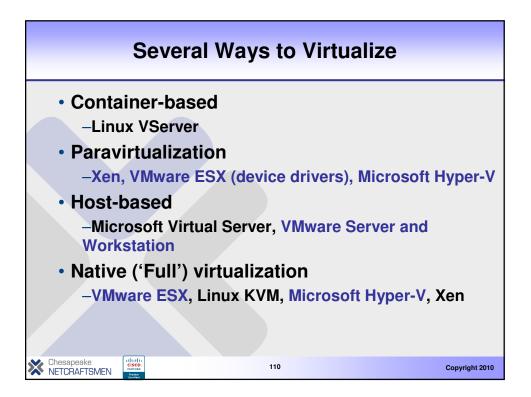






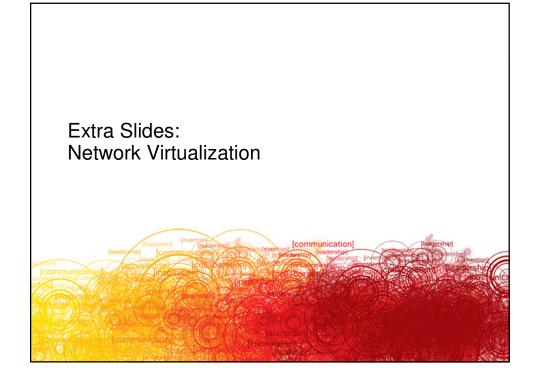


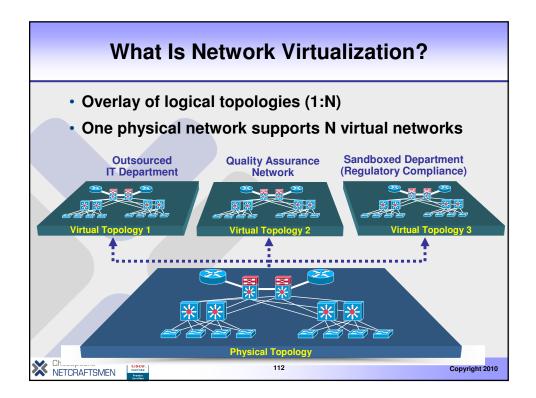






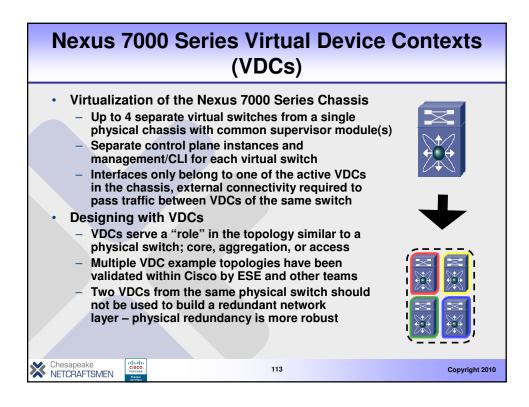








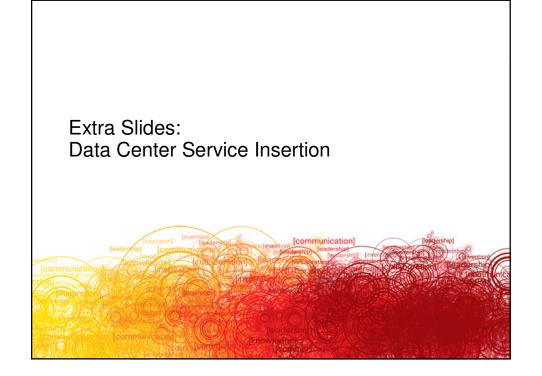


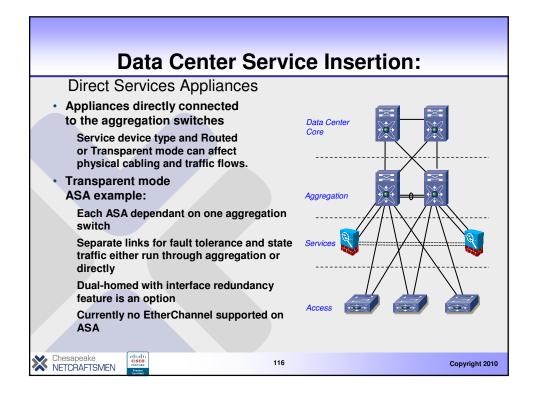


Nexus	VDC	VLAN VLAN VLAN	VRF VRF VRF	Scalability:
		VLAN VLAN VLAN	VRF VRF VRF	• 4K
		VLAN VLAN VLAN	VRF VRF VRF	VLANs/VDC • 256 VBFs/VDC
	VDC			• 4 VDCs
	VDC	VLAN VLAN VLAN	VRF VRF VRF	
		VLAN VLAN VLAN	VRF VRF VRF	
		VLAN VLAN VLAN	VRF VRF VRF	
	VDC			
		VLAN VLAN VLAN	VRF VRF VRF	
		VLAN VLAN VLAN	VRF VRF VRF	
		VLAN VLAN VLAN	VRF VRF VRF	



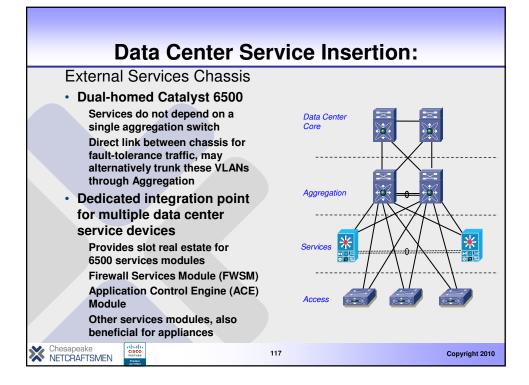


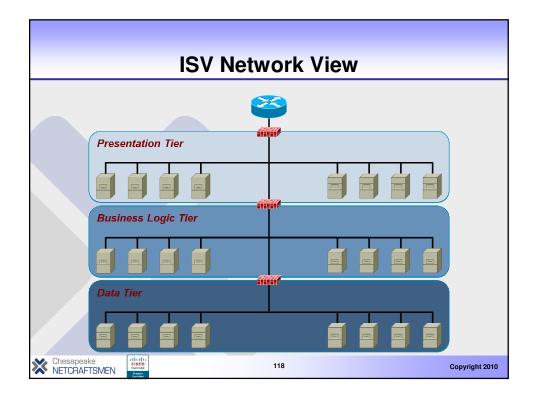






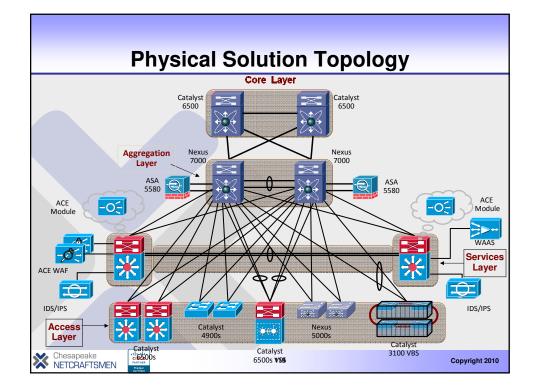


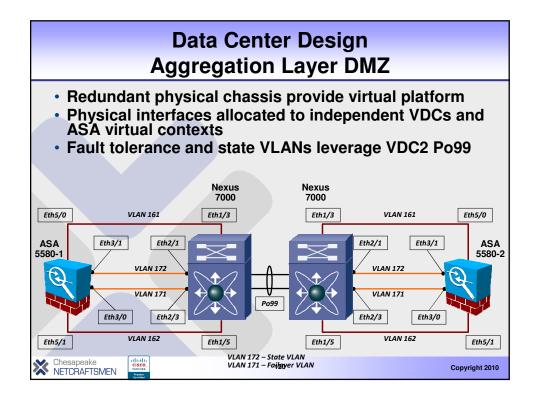






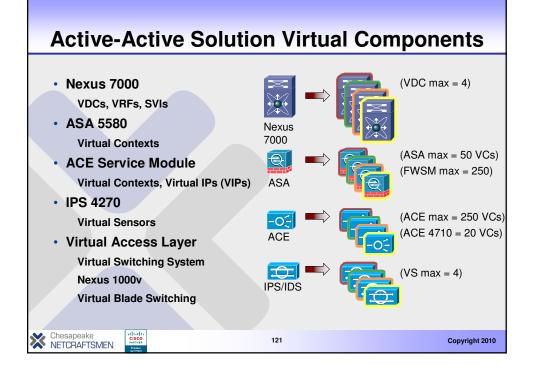


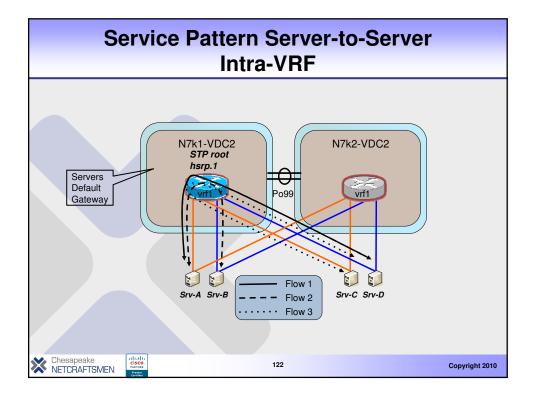






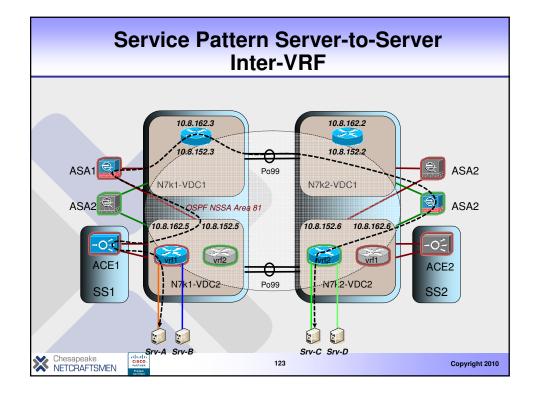


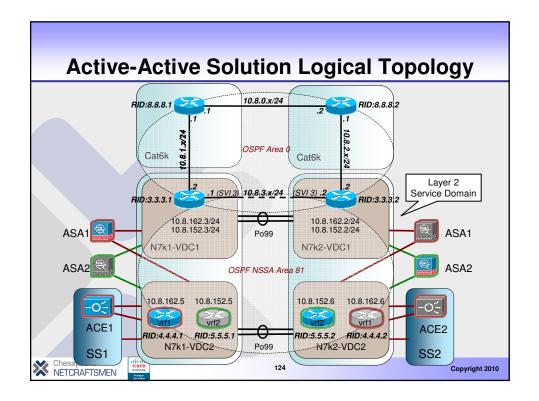






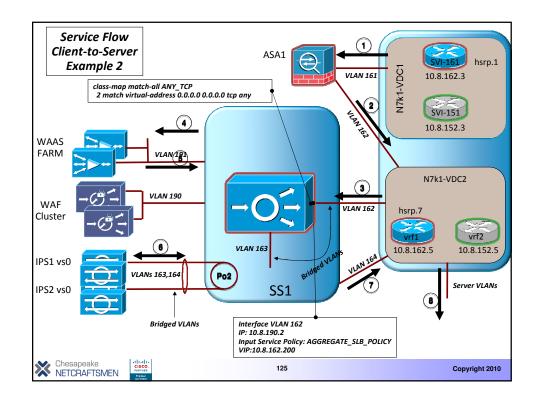


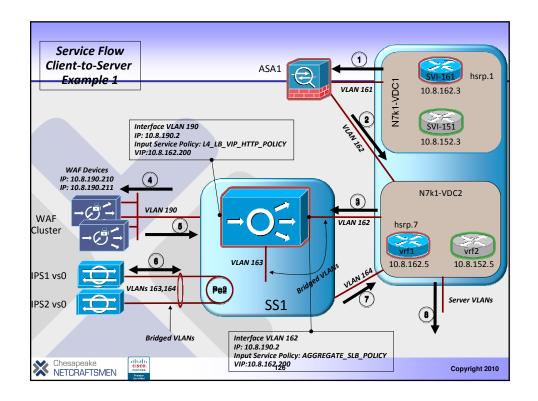






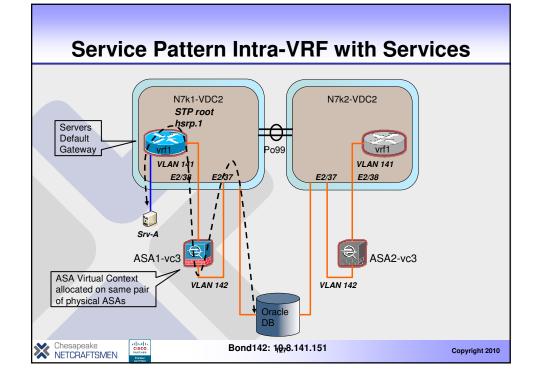


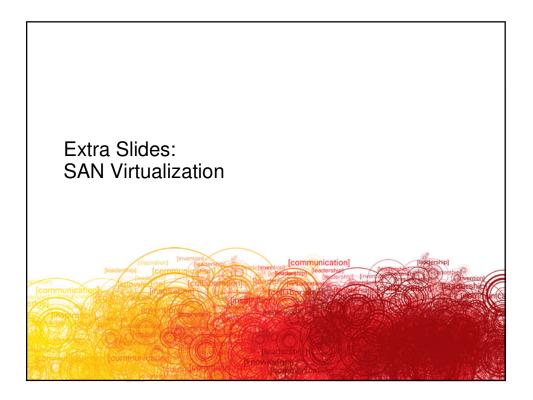






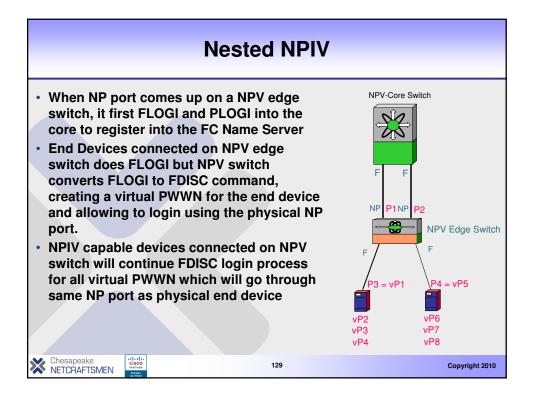


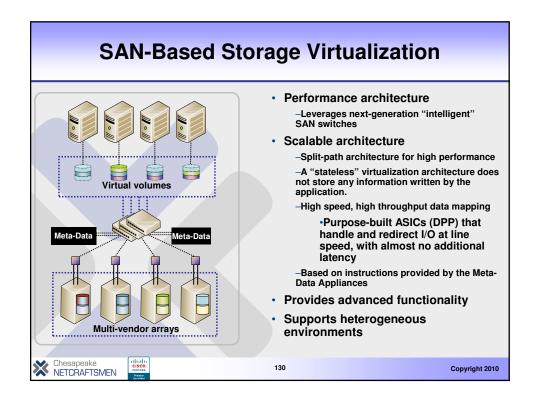






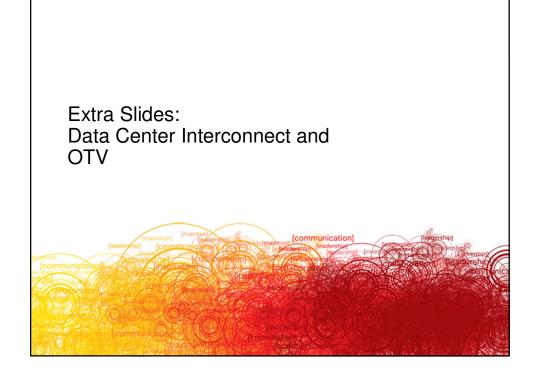


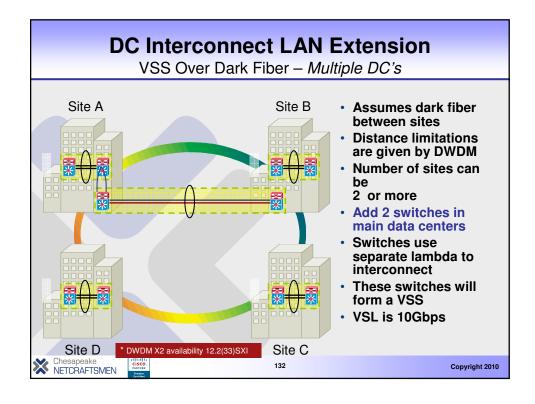






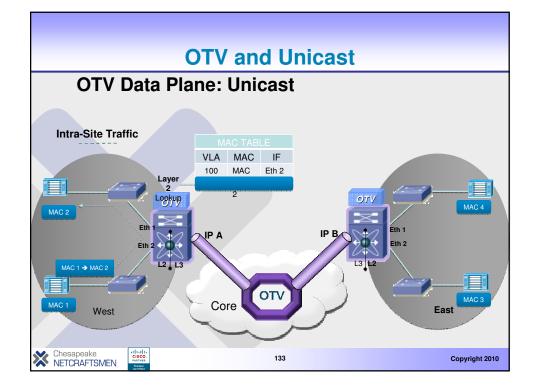


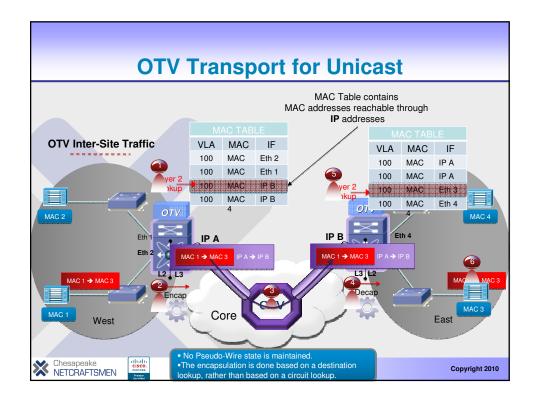
















OTV Scalability Targets for the (First) Release

			Uni-dimensional				
	Overlays	3	64				
Number of sites		3	10				
	VLANs per Overlay	128	128				
	MACs across all sites	25K	32K				
	MACs on each site	8K	8K				
	Multicast Data Groups	50	1000				
DISCLAIMER							
	These are targets	and are still subject	to additional testing				
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