

Executive Summary

Cisco Validated Designs consist of systems and solutions that are designed, tested, and documented to

Technology Overview

Figure 2 FlexPod Datacenter Design with 6300 Fabric Interconnect

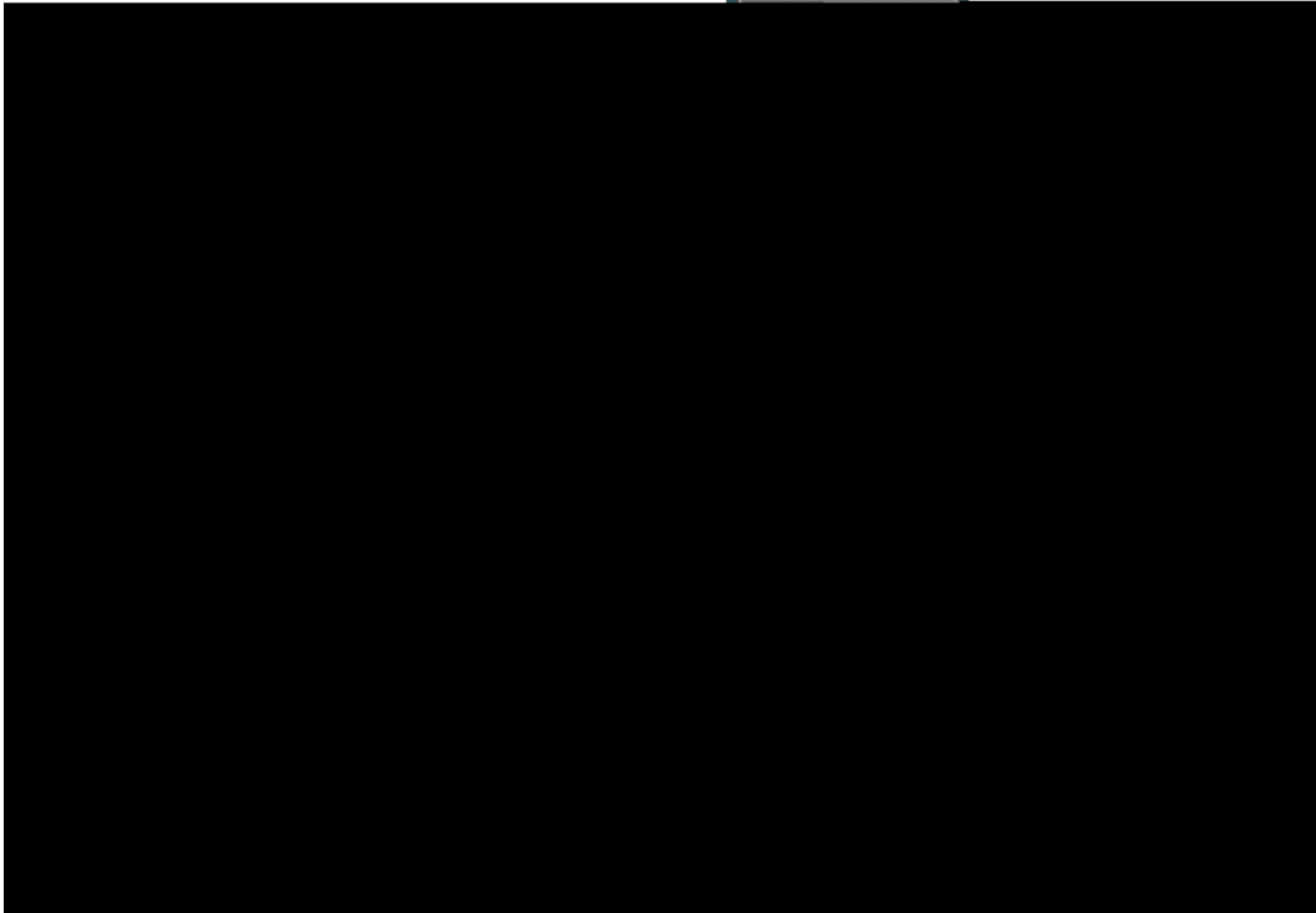


Figure 3

Cisco UCS 5108 Blade Server Chassis

The Cisco UCS 5100 Series Blade Server Chassis is a crucial building block of the Cisco Unified Computing System, delivering a scalable and flexible blade server chassis. The Cisco UCS 5108 Blade Server Chassis is six rack units (6RU) high and can mount in an industry-standard 19-

For more information, see: [http:](#)

The 9000 Series offers modular 9500 switches and fixed 9300 and 9200 switches with 1/10/25/50/40/100 Gigabit

VMware vSphere

switches. As the Nexus 9000 standalone design does not employ a dedicated SAN switching environment and requires no direct Fibre Channel connectivity, iSCSI is the SAN protocol leveraged within the Nexus 9000

Figure 22 FlexPod Datacenter Design Connecting FC to UCS C-Series

In these details we see HA and redundancy continued throughout the design, from the top going down:

- ◁ Cisco UCS C-Series servers connecting with Cisco UCS VIC 1387 mLOM adapters receiving 40Gb converged traffic from each fabric interconnect. Connectivity is active/active or active/standby

Figure 23 ESXi server utilizing vNICs

Cisco Unified Computing System I/O Component Selection

Summary

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NetApp VSC:

