Cadillac Jack

PCI High Availability Architecture

10 GB Fiber to PCI Switch

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BIG-IP Load Balancer

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Heartbeat

VLANs 1-5 w/ SVI on 2960s

Cisco 2960 XD

Stacked

Cisco 2960 XD

10 GB

10 GB

Both FI's have all VLANs (common config)

This FI is set as the Primary for VLANs1,2, 4 and failover to FI B

Cisco UCS 6000 Fabric Interconnect A

Cisco UCS 6000 Fabric Interconnect B

This FI is set as the Primary for VLANs 3,5 and failover to FI A

20 GB

20 GB

Storage Ctroller

20 GB

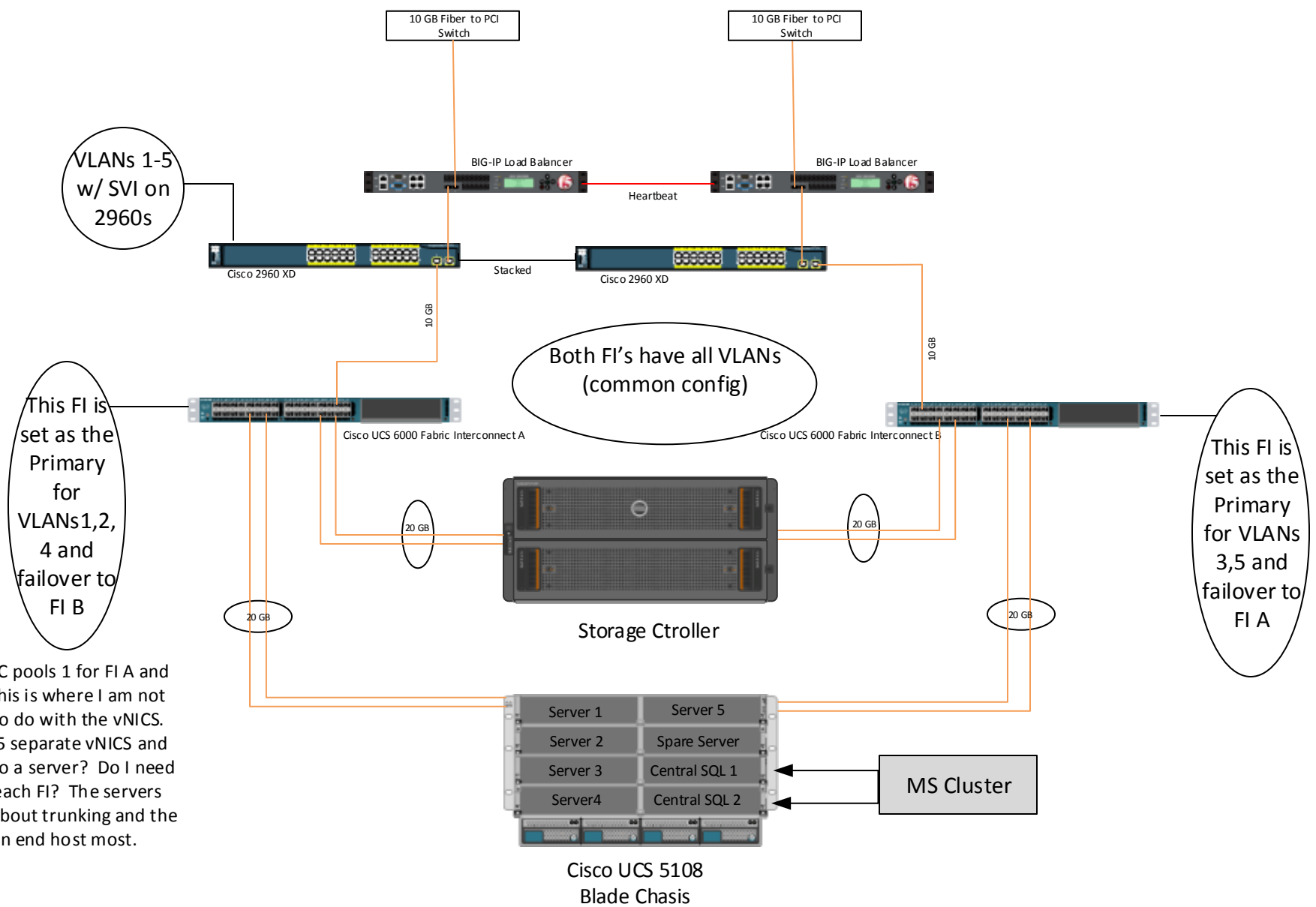20 GB

I have 2 MAC pools 1 for FI A and for B. But this is where I am not sure what to do with the vNICS. Do I create 5 separate vNICS and assign each to a server? Do I need a vNIC for each FI? The servers don't know about trunking and the FI's are in end host most.

Server 1	Server 5
Server 2	Spare Server
Server 3	Central SQL 1
Server4	Central SQL 2

MS Cluster

Cisco UCS 5108
Blade Chasis