

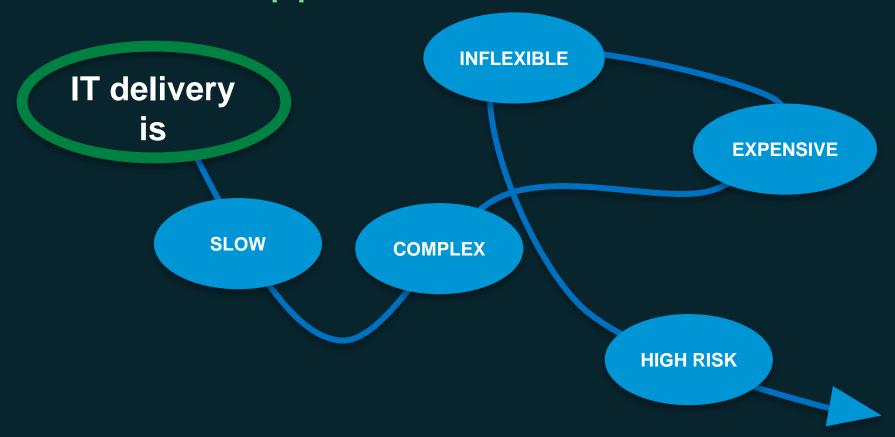
## Cisco UCS

The Compute Platform for Virtualized Data Centers

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Product Sales Specialist – Swiss DC Team

Oktober 2012

## So What Happens?



## Complexity in Traditional

Blade Server Environments

Three parallel networks

Device proliferation Siloed bandwidth

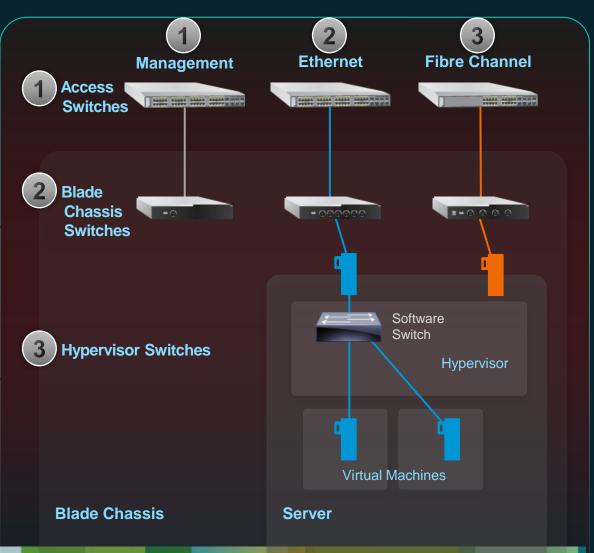
 Access layer fragmented into three

> Access layer Chassis

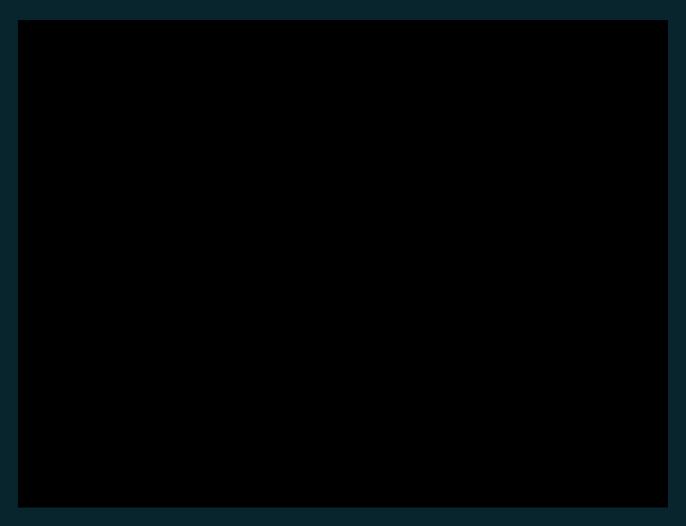
Hypervisor

Overly Complex

Too many devices
Too many cables
Too many management
points



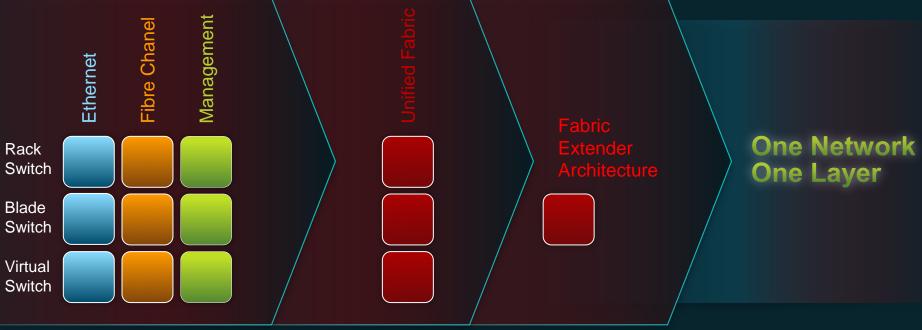
## Complexity?



## Unified Fabric in UCS and Nexus

Radically Simplified Network Access for Blades and VMs





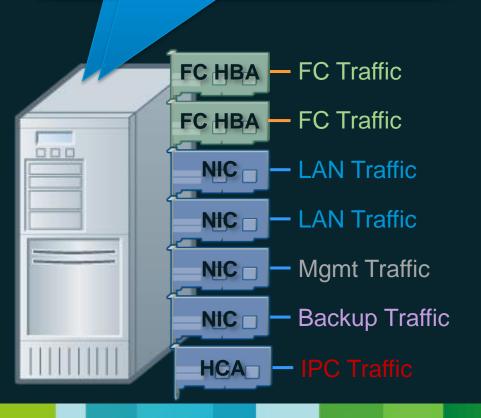
Complexity in Traditional Environments

## Consolidate with Unified Fabric

In UCS and Nexus

Complex to Manage Manual Handwork

Easy to Manage Done in Software





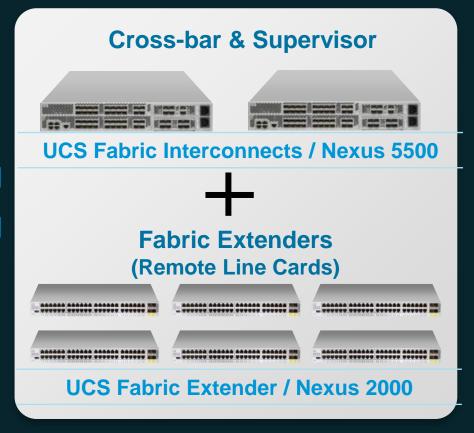
## Simplify with Fabric Extender Architecture In UCS and Nexus

**Single Point of Management** 



Modular Switch
Fixed backplane

**Single Point of Management** 



**Distributed Modular Chassis** 

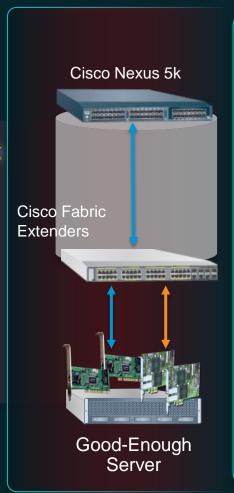
10Gb Ethernet for the Backplane

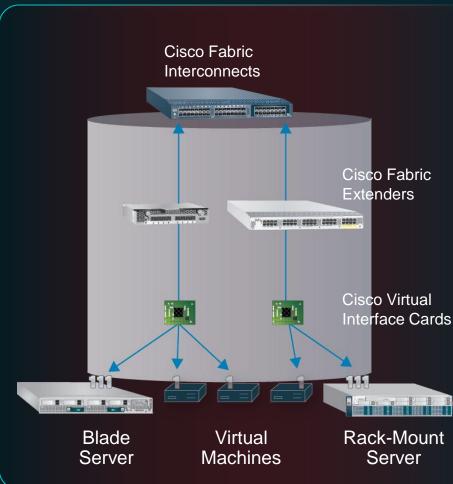
## Unified Fabric in UCS and Nexus

Physical Servers and VM's Connect Directly to the Network



Fabric Extender Architecture



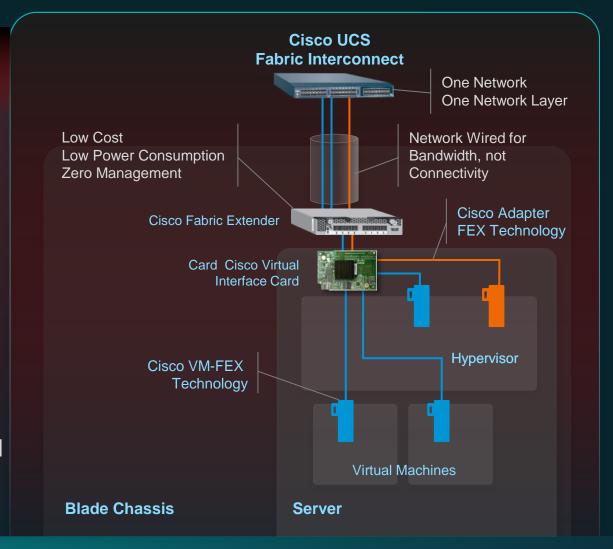


### Cisco Fabric Extender Architecture:

Three Network Layers in One



- Integrates three layers of networking
  - Less complexity
  - Fewer devices
  - Fewer management points
- Directly connects servers to the network
- Directly connects Virtual Machines to the network



Combines Manageability of Physical Networks with the Scale of Virtual Networks

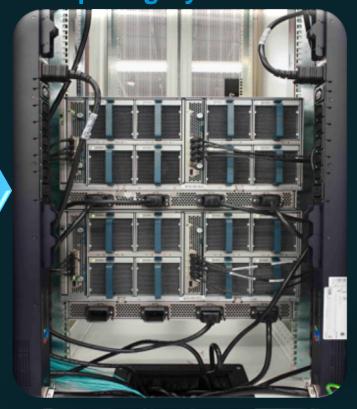
### Result: Dramatic Cable Reduction

More Flexibility and More Efficient Power and Cooling

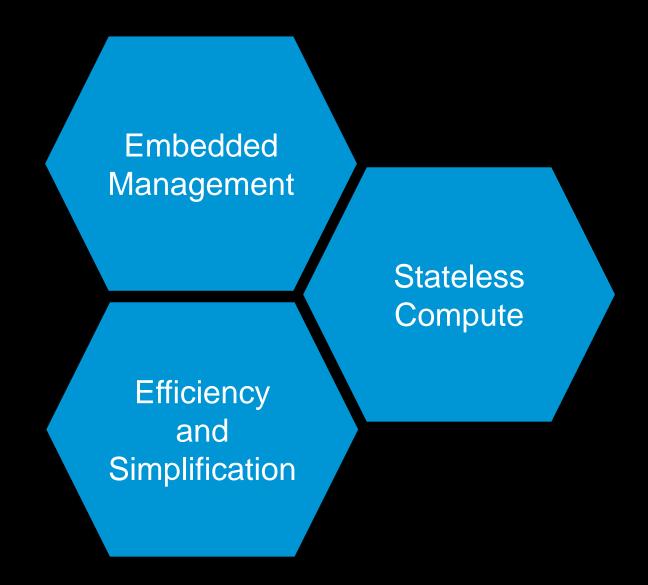
## Traditional Blade Server



## **Cisco Unified Computing System**



## What is different with UCS?



## Single Unified System



## Single Unified System



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## Cisco Unified Computing System Powered by Intel® Xeon® Processors

### **TECHNICAL LEADERSHIP**

- Unified Infrastructure: compute, networking, virtualisation, storage access, management software
- Management Automation: UCS
   Manager and Service Profiles
   across blade and rack servers
- Ideal for enterprise applications: proven for both bare metal and virtualised enterprise deployments
- Proven success with
  - 53 world-record benchmarks
  - Numerous awards



### MARKET MOMENTUM

- UCS \$1.3 billion annualized revenue run rate (CQ4-2011)
- #2 US blade server market share with 19%
- #3 WW blade server market share with 12%
- Nearly 11,000 UCS customers
- Over 250 Cisco UCS<sup>™</sup> customers in Switzerland
- Last 6 months 70 new UCS customers in Switzerland



















## UCS Mobile Demo Rack



2 Power Plugs, 2 LAN Plugs, 2 SAN Plugs .....

and your LAN/SAN/Server Test-Architecture for hundreds of VM's is ready in a couple of hours

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### **UCS** works for Swiss SP



































## Price-Tag see Flyer

### BUILD YOUR CLOUD SERVICES ON CISCO UCS

Three reasons, why you should rethink your data center architecture

### Mini Bundle (\*1595)

96 x Unified Ports 10GE/FC/FCoE Ports, 24 Intel E5 cores, 96 GB RAM, \$21'472

### Medium Bundle (\$1065)

96 x Unified Ports 10GE/FC/FCoE Ports, 64 Intel E5 cores, 256 GB RAM, \$38'324

#### Interested?

Details with Listprice @ https://apps.cisco.com/QuickCatalog/home.do

\* Monthly rate for a 36 month 0% interest Cisco Capital funding

#### 1 - Automation ready

UCS Manger includes LAN, SAN and compute. A single IP you need to talk to for automation, nothing more.

#### 2 - Simplifies operation

UCS contains stateless compute. It is like vmotion for baremetal servers. No need for expensive clustering software.

#### 3 - Cable for bandwith not functionality

Unified Fabric enables you to cable once and then configure in software what and how much logical interfaces you need for the server up to the VM port.

CISCO





Contact us @ phmuelle@cisco.com

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