



HYPERFLEX **YOUR DATA CENTER MUSCLES**

Customer Webinar
July 11 | 1:30pm ET



simple. 

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Primary HyperFlex Use Cases



Virtual Desktop Infrastructure

- Low upfront costs
- Consistent performance
- Predictable scaling



Server Virtualization

- Reduce operational complexity
- Adaptive scaling
- Always-on resiliency



Test and Development

- Agile provisioning
- Frequent iterations
- Instant cloning and snapshots



Large Remote Branch Office

- Simple deployment
- Centralized management
- No “fly-and-fix” missions

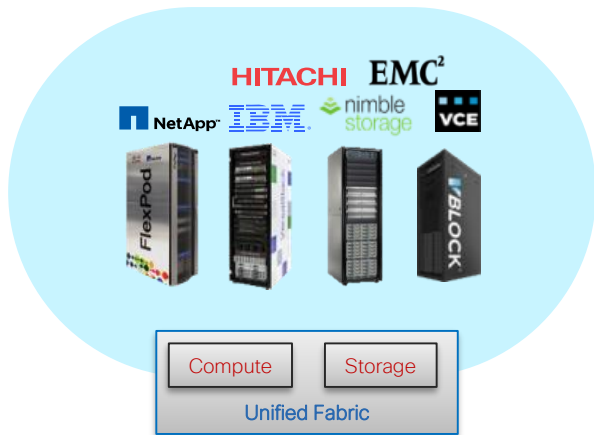


Databases

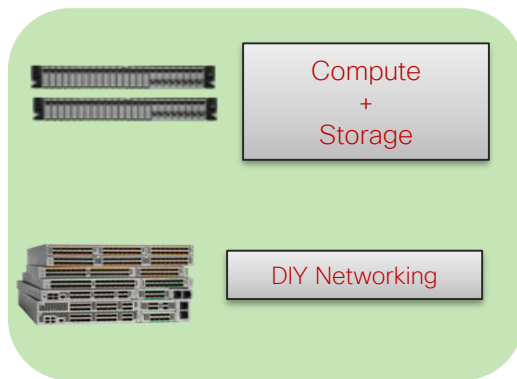
- Consistent, low-latency
- High IOPS
- All-flash nodes

HyperFlex | *Evolution to Next Generation Hyper-Convergence*

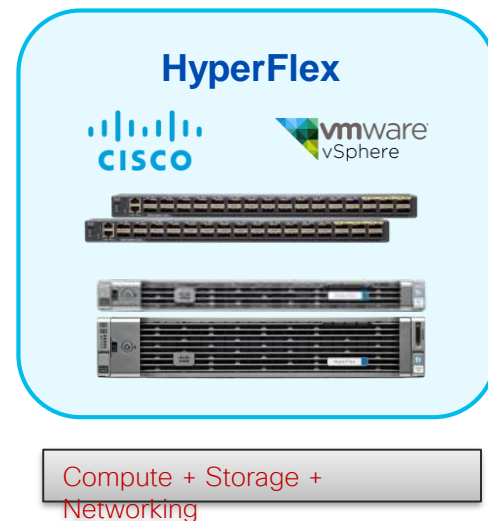
Traditional Converged |
Integrated



First-Gen
Hyper-Converged

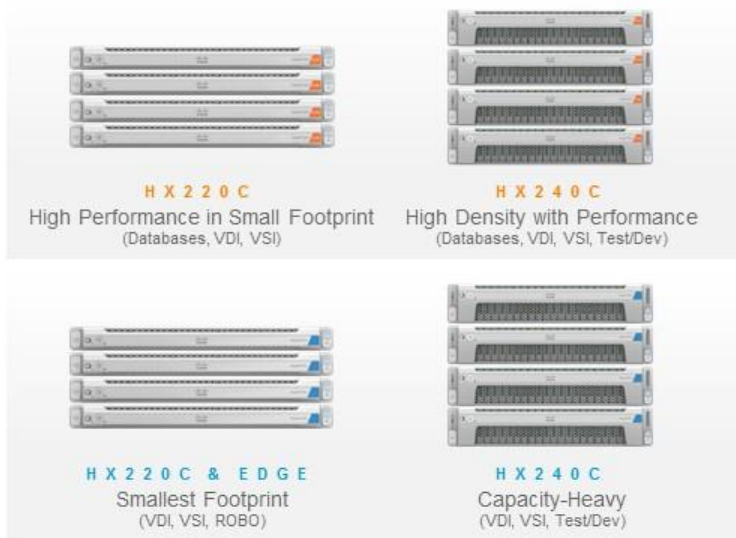


Next-Gen
Hyper-Convergence



HCI with Converged Fabric Networking

- 1 Network Integrated HCI
- 2 Policy Based Management
- 3 End-to-End HCI Automation



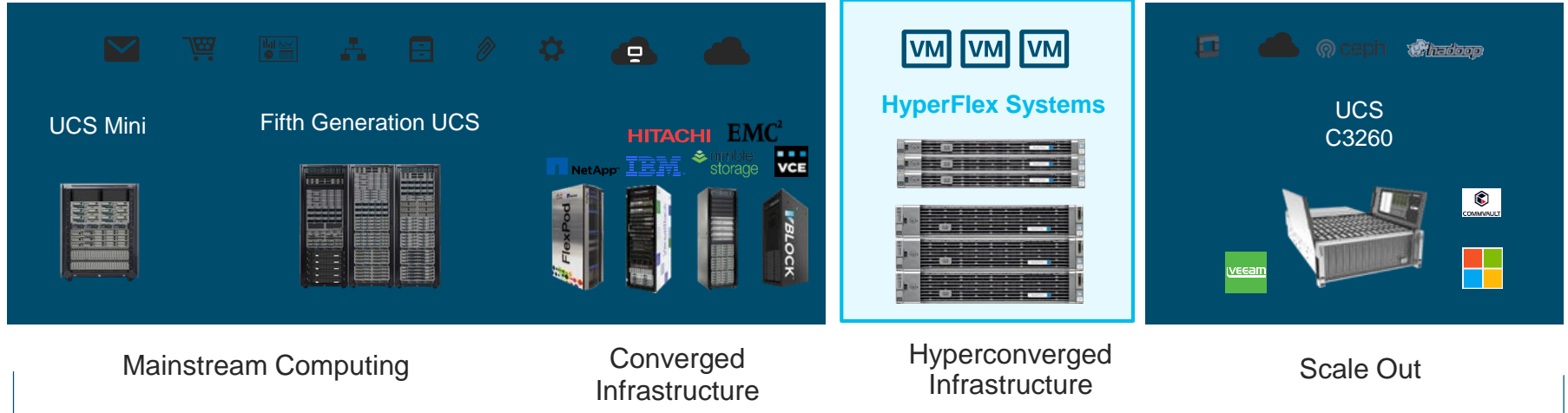
 **HYBRID CLUSTER**  **ALL FLASH CLUSTER**

Part of a Proven Portfolio

UCS Manager

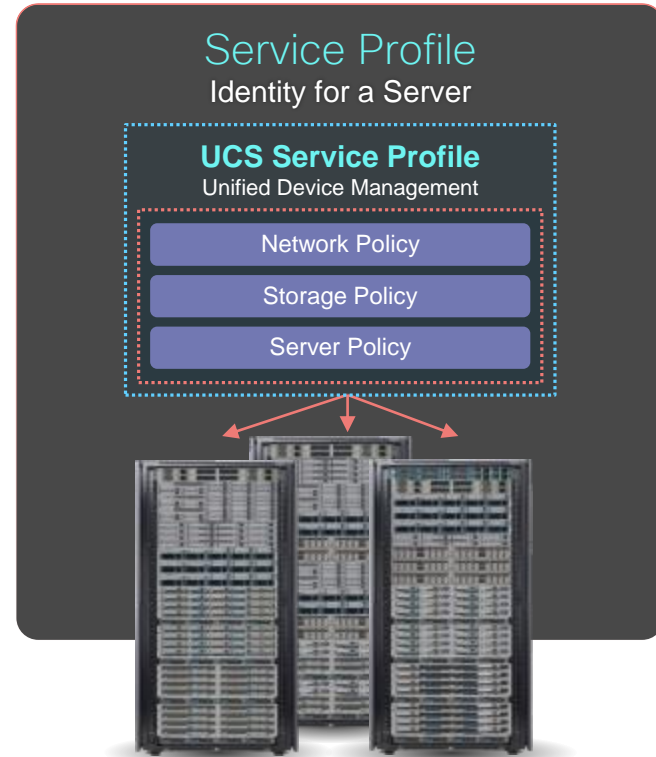
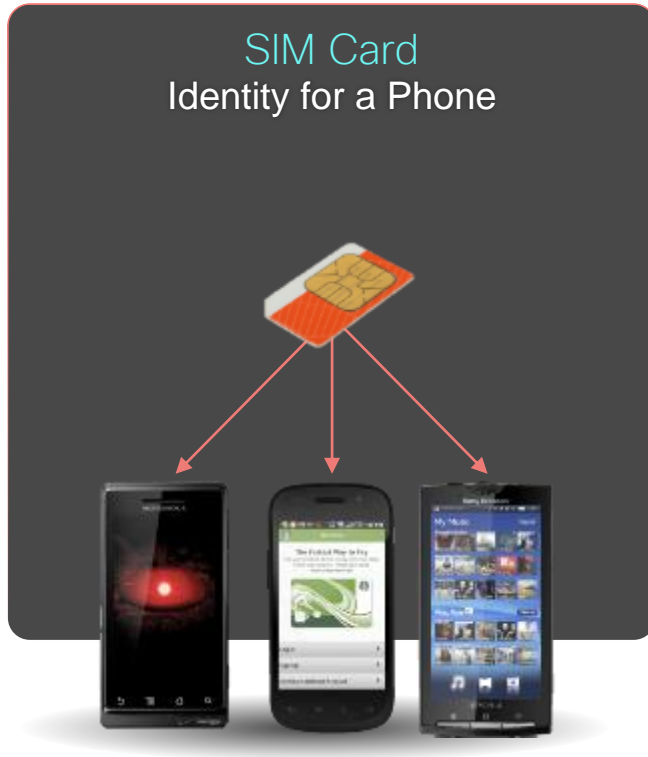
UCS Director

Enterprise Cloud Suite

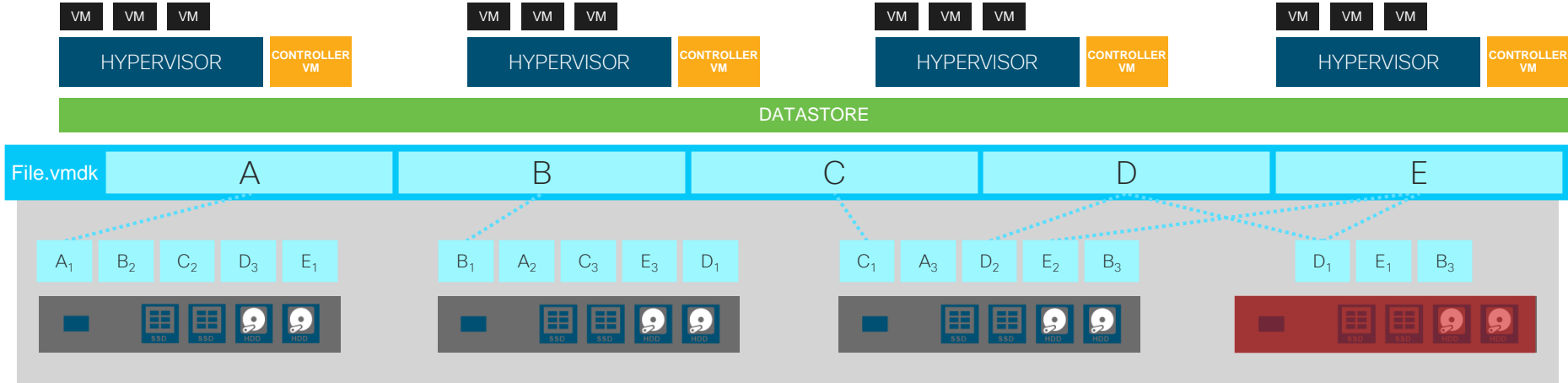


UCS Service Profiles

Configuration Portability







Dynamic Data Distribution



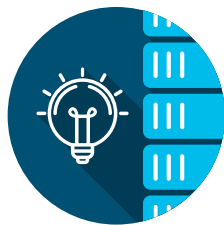
- Stripe blocks of a file across servers
- Replicate one or two additional copies to other servers
- Handle entire server or disk failures
- Restore back to original number of copies
- Rebalance VMs and data post replacement
- Rolling software upgrades

Cisco Compute Security

Proven Protection for Your Infrastructure

SECURE Dynamic Protection	AUTHENTICATE Anti-Counterfeit	INTEGRATE Across Cisco Solutions	CONTROL Supply Chain & Beyond
			
<ul style="list-style-type: none">• Prevents Malicious FW and BIOS from booting• Multi-Point Secure Installation & Boot with Cryptographically Signed Firmware• Multiple HW Roots of Trust• Secure FW <u>and</u> BIOS verification• Trusted Image failsafe• NIST SP800-147b	<ul style="list-style-type: none">• Prevents transfer of insecure/Fake/Counterfeit HW• Anchored to Cisco Authority• Guarantees Authentic Cisco HW and Code• Continuous Checks with HW and FW handshake• Continuous Assurance of Authenticity	<ul style="list-style-type: none">• Intel Secure Boot for M5 Anchors another trust level into Cisco HW• Cisco VIC brings additional security over off-the-shelf adapters• Advanced Fabric Security• Enterprise RBAC• Policy-based Security• UCS Intrusion Detection• Disk/BIOS Scrubbing Policy	<ul style="list-style-type: none">• Rigorous Cisco Secure Development Lifecycle Methodology (CDLM)• Dedicated Cisco team for threat modeling analysis• Cisco controls FW dev/access/signing• Cisco controls Secured Debug capability• Secure Network Communication

 **HYPERFLEX 3.0**



Any App.

Vmware ESX



Microsoft Hyper-V

Container Support

Enterprise Application
Validation



Any Cloud.

Performance
Monitoring



Application Placement

Cloud Mobility

Hybrid Cloud



Any Scale.

Google Hybrid Cloud



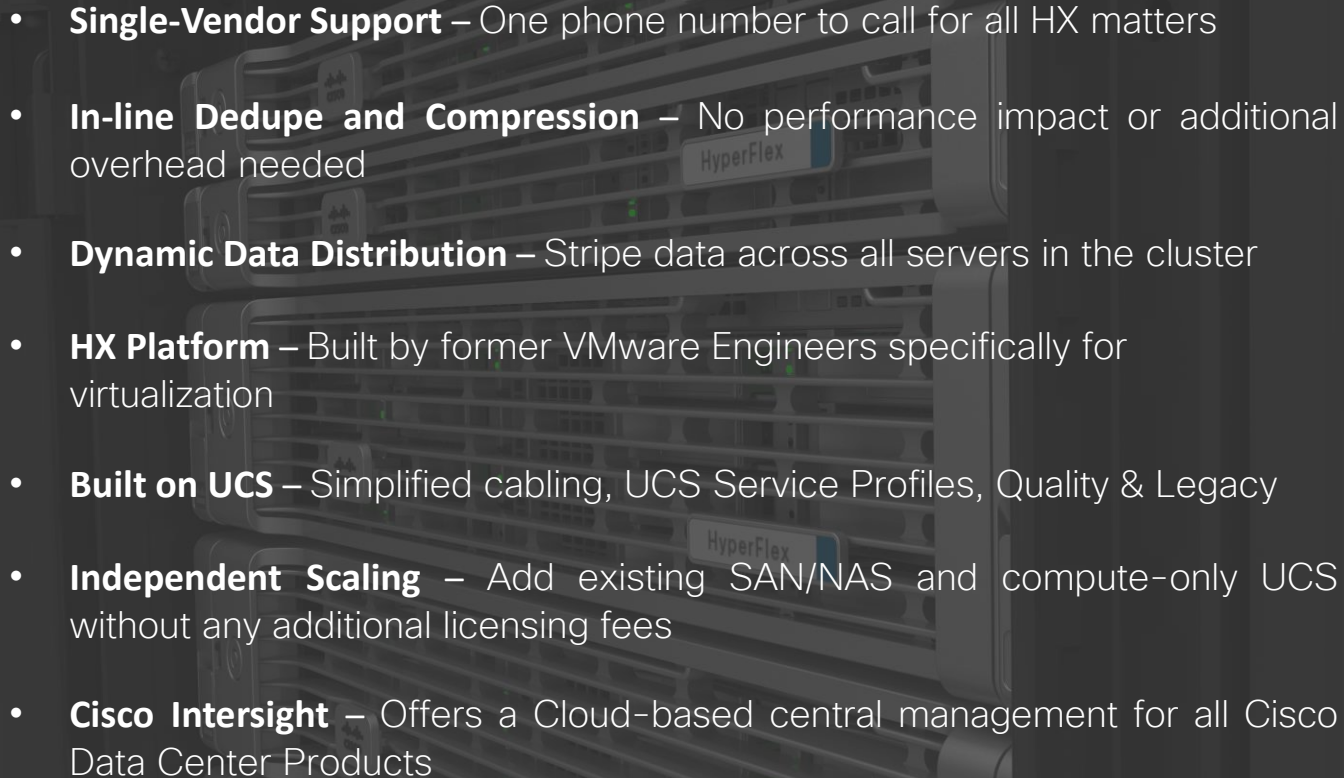
Scale to 64 Node
Clusters

Stretch Cluster

Cisco Intersight



Figure 1 Cisco Intersight software manages all of your Cisco UCS and Cisco HyperFlex infrastructure

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- A server rack with multiple units, each labeled 'HyperFlex'. The units are stacked vertically, and the labels are visible on the front of each unit. The background is dark, and the text is overlaid on a semi-transparent grey box.
- **Single-Vendor Support** – One phone number to call for all HX matters
 - **In-line Dedupe and Compression** – No performance impact or additional overhead needed
 - **Dynamic Data Distribution** – Stripe data across all servers in the cluster
 - **HX Platform** – Built by former VMware Engineers specifically for virtualization
 - **Built on UCS** – Simplified cabling, UCS Service Profiles, Quality & Legacy
 - **Independent Scaling** – Add existing SAN/NAS and compute-only UCS without any additional licensing fees
 - **Cisco Intersight** – Offers a Cloud-based central management for all Cisco Data Center Products



simple. 

Thank you.