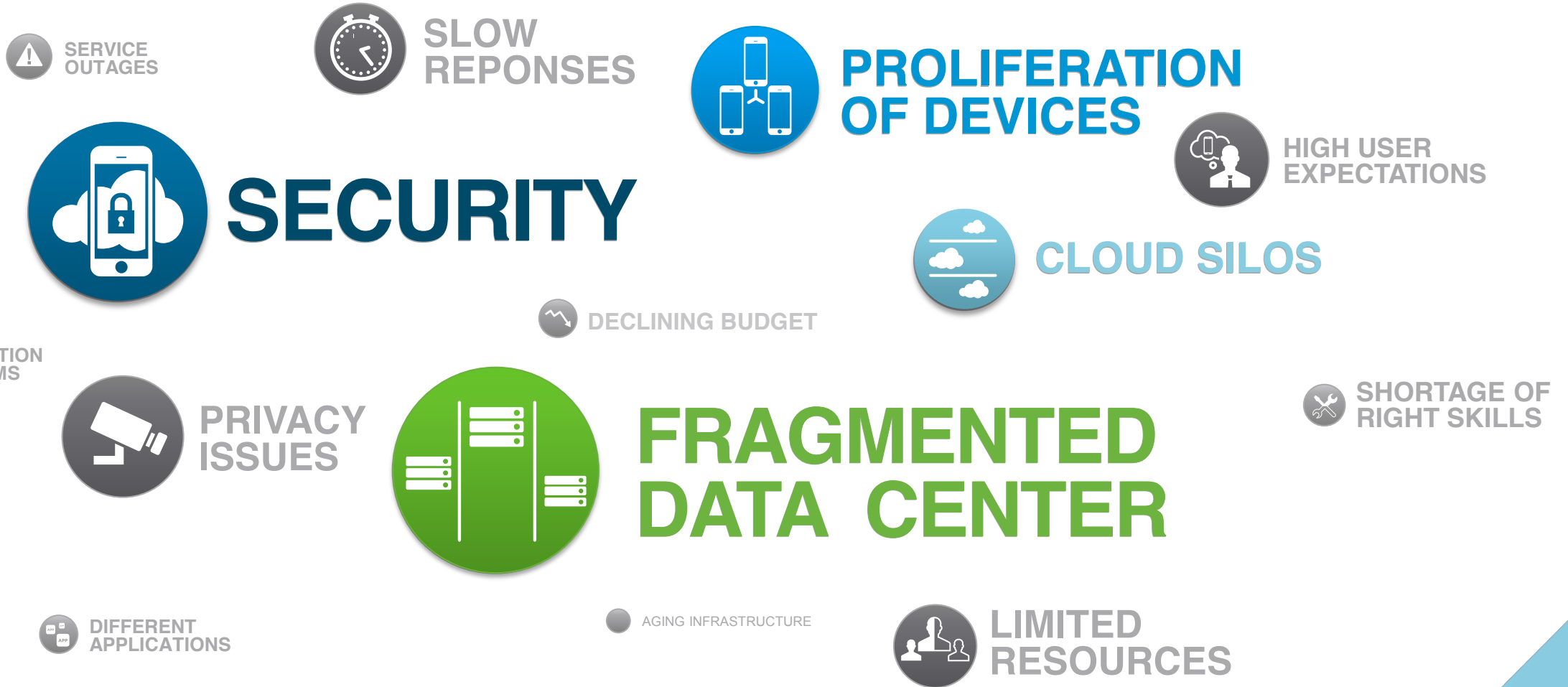


Harnessing Mobile and Cloud Is Challenging



vSphere 6

Including vSphere with Operations Management 6
and vCloud Suite 6

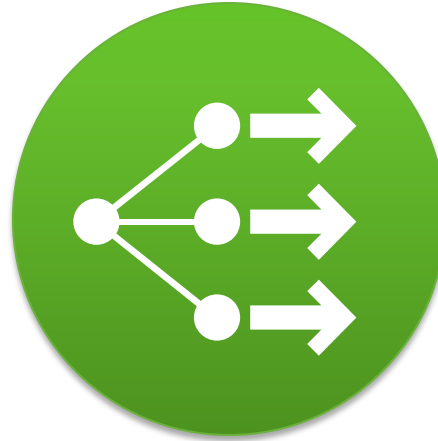


vSphere 6 – The Largest vSphere Launch To-Date with 650+ Features



Breakthrough scale and performance for any app

Up to 4x increase
in scale and performance



Industry-first availability

“Boundless” live migration
and continuous
availability for large
applications



Simplified management at scale

5x faster in terms of
responsiveness

vSphere 6 – The Best Platform for Any Application



Scale-Up Apps /
Business Critical
Apps



Desktop
Virtualization



Scale-Out
Applications



Integrated
OpenStack



Containers

And Many More...

Capabilities

- Scalability enhancements (VMs and Clusters) for all application workloads*
- Instant Clone*
- Desktop Virtualization – 2D/3D Graphics
- OpenStack on vSphere = Success*
- Big Data Extensions and Pivotal CF (PaaS) Support
- Linux Container Support

vmware® *New with vSphere 6.0

Benefits and Proof Points

- Increased scalability and performance
- Rapid deployment of desktop virtual machines in seconds
 - 10x faster than in previous releases
- Productivity and portability for application developers
- Deliver Choice of Architecture



Cloud and Business Critical Applications Require Scale

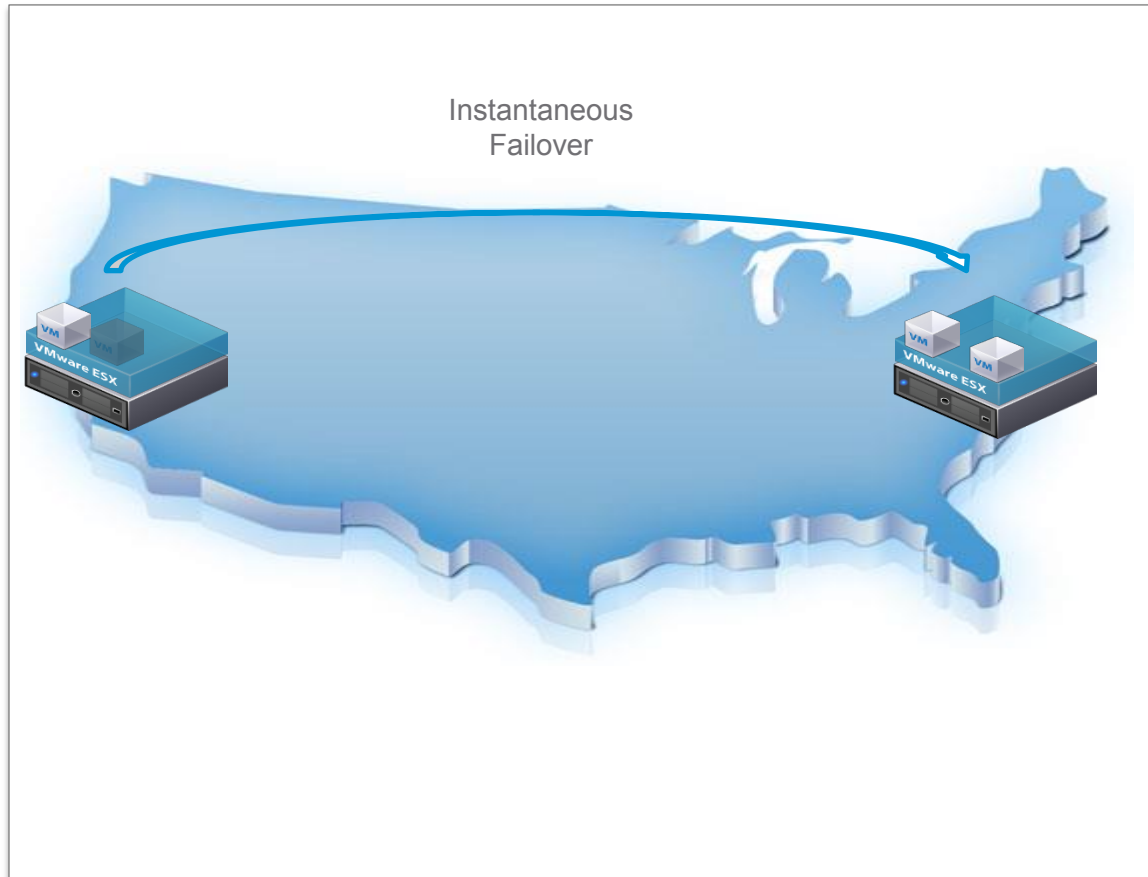
Up to 4X Scale Improvement with vSphere 6.0

	vSphere 5.5	vSphere 6.0	
Hosts per Cluster	32	64	2x
VMs per Cluster	4,000	8,000	2x
CPUs per Host	320	480	1.5x
RAM per Host	4 TB	12 TB*	3x
VMs per Host	512	2,048	4x
Virtual CPUs per VM	64	128	2x
Virtual RAM per VM	1 TB	4 TB	4x



Long-Distance vMotion

The Next-Generation in vMotion Innovation



Overview*

- Targeting cross-continental distances –up to 100 ms RTTs
- Maintain standard vMotion guarantees
- Leader in VM flexibility

Benefits

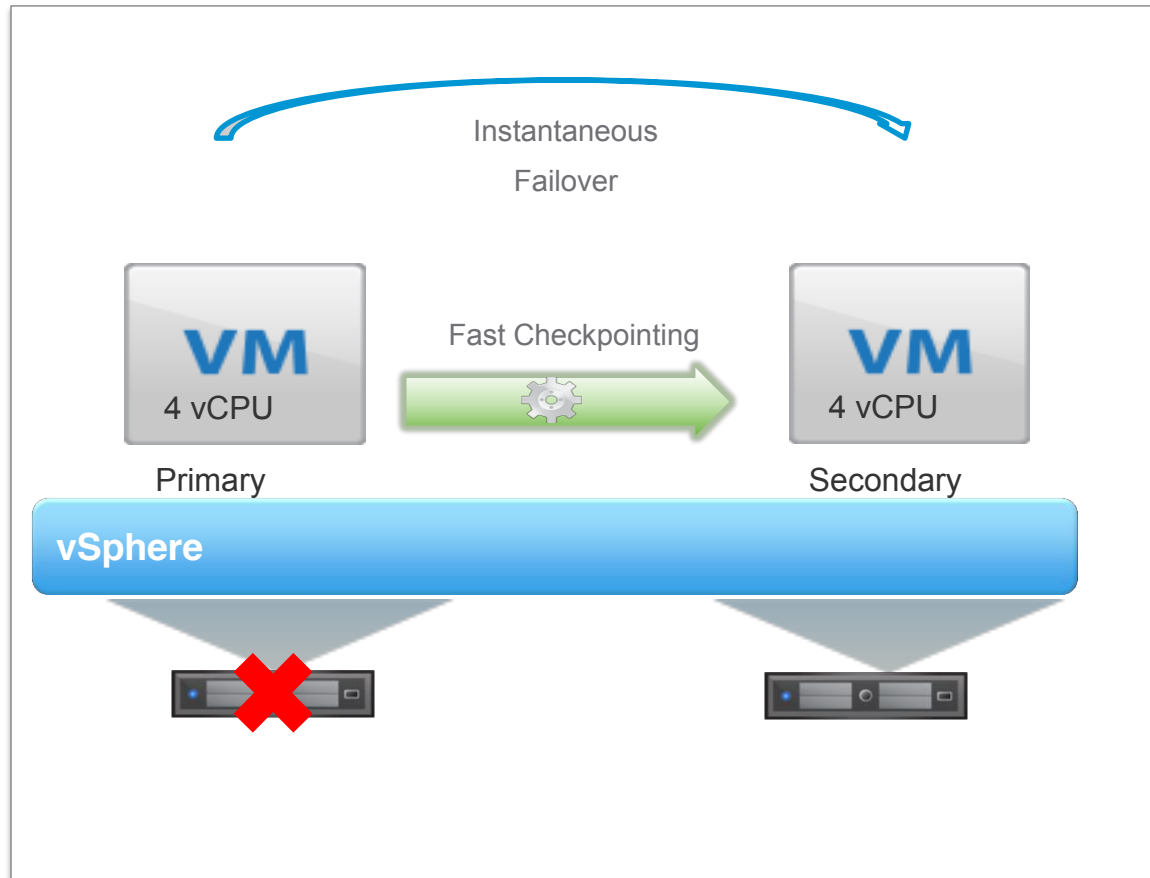
- Permanent migrations between data centers
- Disaster avoidance (DA)
- SRM/DA testing
- Multi-site load balancing
- Follow the sun operations

*vSphere 6 will also support cross switch and cross vCenter vMotions



Fault Tolerance for Multi-Processor VMs

Symmetric Multi-Processor Fault Tolerance – Multi- vCPU Support



Overview

- FT support for up to 4 vCPUs
- Protection for high performance, multi-vCPU VMs
- New, more scalable technology: fast check-pointing to keep primary and secondary in sync

Benefits

- Protect mission-critical, high-performance applications regardless of OS
- Continuous availability: zero downtime, zero data loss for infrastructure failures
- Fully automated response

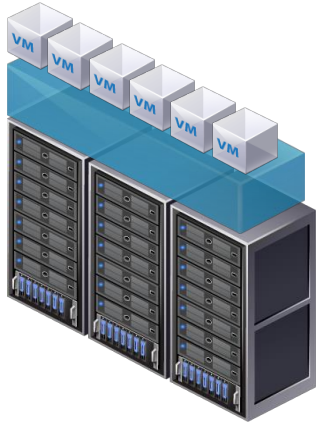
VMware Integrated OpenStack



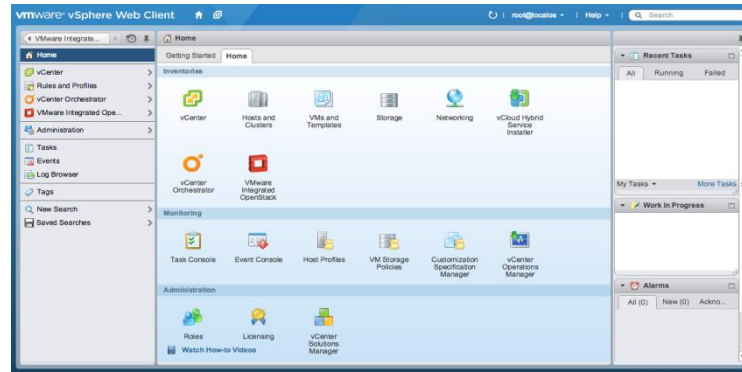


What is VMware Integrated OpenStack?

Fully Validated Architecture

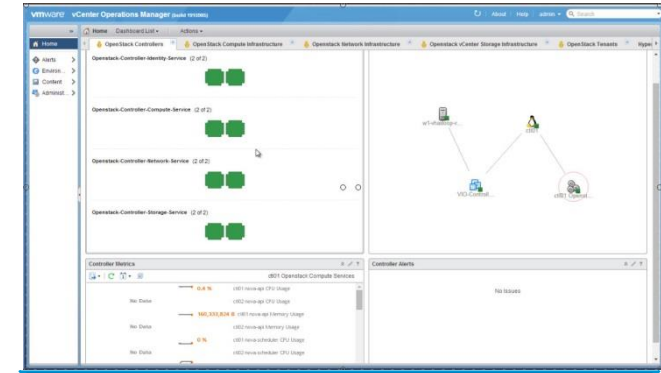


Existing vSphere environment



Complete, Production Grade OpenStack Distribution (distro)
OpenStack Code +VMware Drivers and workflows
Deploys from a single OVA file in as fast as 15 mins

VMware Integrated OpenStack



vRealize Log vRealize vRealize
Operations Insight Automation Business

OpenStack-aware Cloud Management

Single Support Contact

It's FREE for all new and existing vSphere ENT+ Customers with optional \$200/CPU for support

Software-Defined Storage

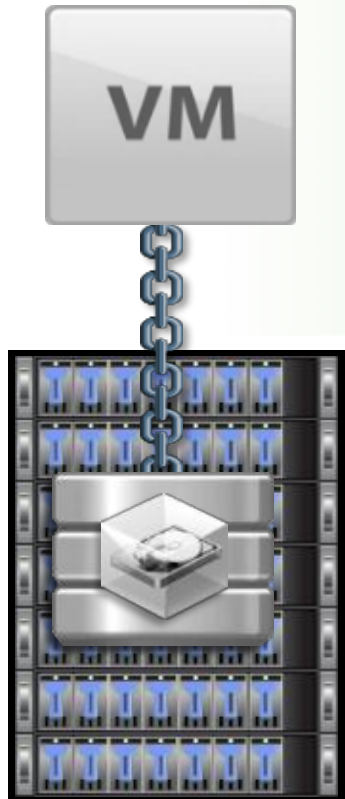




A New Approach Is Needed...Software-Defined Storage

An App-Centric Control Plane On A 'Server SAN' Data Plane

Storage Today



New Control Plane

From Hardware-centric to App-centric



- Policy-driven automation
- Hardware-agnostic mgmt
- Dynamic service levels

New Data Plane

From Specialized to Commodity hardware



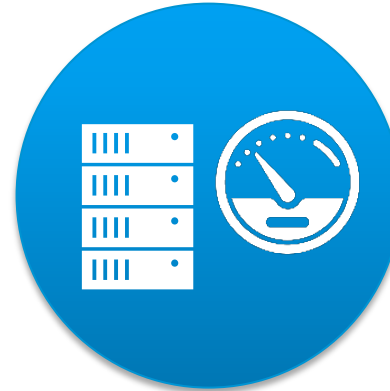
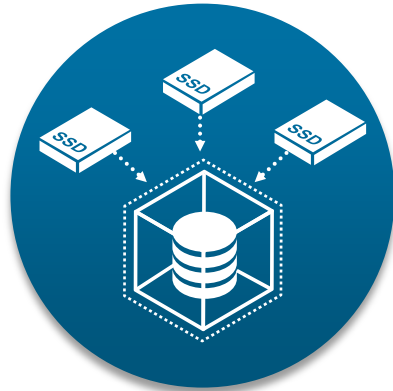
Server SAN

- Commodity hardware
- Flash accelerated
- Distributed architecture

Award-Winning Virtual SAN 6 – Enterprise-Class Scale and Performance



All Flash Architecture



**5X Performance,
2X Scale Increase**

Enterprise data services



**Expanded support
for blades**



Virtual SAN for VM Storage: Top Use Cases

Virtual Infrastructure

- ✓ Best storage for VMs
- ✓ Built for virtual infrastructure
- ✓ Enterprise-class
- ✓ Ready for business-critical apps





vSphere Virtual Volumes

VM-aware Storage for Application-centric Automation

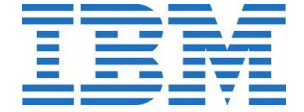


Overview

- Virtual disks are natively represented on arrays
- Enables VM granular storage operations using array-based data services
- Storage Policy-Based Management enables automated consumption at scale
- Non-disruptive to data path (based on T10 standard)
- Supports existing storage I/O protocols (FC, iSCSI, NFS)
- Industry-wide initiative supported by major storage vendors
- Included with vSphere



vSphere Virtual Volumes is an Industry-wide Initiative



And Many More...

29 Partners in
the Program

Multiple
Ready at GA

Unique
capabilities

Summary



VMware Innovations in Q1 2015



Unified Platform

vSphere 6: Industry-first application availability and fault tolerance

Virtual SAN 6: Hypervisor-converged storage optimized for VMs

vSphere 6: Common library for content storage and management



Any Application

vSphere 6: Increased compute capabilities for scale-up, scale-out apps and VDI

Virtual SAN 6: Ready for business critical apps with 2x scale, 4x performance with All-Flash

Cloud Native Applications: Extensibility for container deployment and orchestration



Open management

Integrated OpenStack: Developer-friendly OpenStack services and APIs

Virtual Volumes: App-centric, policy-driven automation for external storage

vCloud Suite 6: Addition of cost transparency and monitoring capabilities