



LAKE SOLUTIONS AG

VMware-Anlass vom 5. November 2013
Virtualisierungsupdate



- 09:00 - Begrüßung
 News from VMworld 2013 Barcelona
 VMware vSphere 5.5 News
 VMware NSX
 vCenter SINGLE SIGN ON
- 10:30 – 10:50 Kaffeepause
 VMware VSAN
 VMware VFLASH
 vSphere in a Box mit Simplivity
 VMware Horizon News
 Q&A
- 12:00 – 13:00 **Mittagessen / Stehlunch**
- 13:00 - 15:00 **VMware Mirage: Workshop Migration**



News von der
VMworld 2013
Barcelona

Was ist die VMworld

- Keynote der VMware-Spitze
- Über 250 Vorträge
- Hands on Labs der VMware Produkte
- Ausstellungen mit über 100 Ausstellern
- Zertifizierungen mit bis zu 700 Zertifizierungen
- Workshops
- Meet the Experts
- Mehr als 8000 Teilnehmer



Hands On Labs für Alle: <http://labs.hol.vmware.com>

Kataloge - VMware NEE

labs.hol.vmware.com/#catalogs/125

vmware
HOL Online

Meine Registrierungen
Klicken Sie hier um die Kurse und Labs zu sehen, zu denen Sie registriert sind.

All Labs
Labs from all catalogs

1. SDDC
VMware Software-Defined Data Center

2. Hybrid Cloud
VMware vCloud Hybrid Service

3. Mobility
Horizon Suite, View, Mirage, ThinApp

4. Partner Labs
VMware Products Integrate with Partners

Focus: Cloud Ops

Focus: Networking

Focus: Performance

Focus: Storage

Focus: vCloud Suite
Use Cases covering the vCloud Suite

HOL Archives
2012 Hands-on Labs

VMware Education
Sample Self-Paced Instruction

Transkript
Klicken Sie hier, um eine Liste von Kursen

EIGENSTÄNDIGE LABS

3. MOBILITY

Search this catalog

HOL-MBL-1301-AZ - Horizon View from A to Z
Complete a guided tour of Horizon View features, learn how to Optimize Horizon View for your VDI environment and learn steps to Troubleshoot a View environment and avoid common issues.
Lab Details einblenden ANMELDEN

HOL-MBL-1301-UC - Horizon View Use Cases
Understand Horizon View VDI use cases of Mobile Secure Desktop, Business Process Desktop, and Branch Office.
Lab Details einblenden ANMELDEN

HOL-MBL-1304 - Horizon Workspace - Explore and Deploy
VMware Horizon Workspace securely delivers your applications and data to any device. Gain hands-on experience with data sharing, SAML integration and other useful features.
Lab Details einblenden ANMELDEN

HOL-MBL-1309 - Horizon Mirage - Manage Physical Desktops
Horizon Mirage enables efficient image management of physical desktops using layers. You will capture layers and use them to address three common use cases that trouble desktop administrators today.
Lab Details einblenden ANMELDEN

ANKÜNDIGUNGEN

Take Labs in Your Own Language
There are seven labs that have been translated into one or more of Japanese, Chinese, Korean and Spanish.

Lab SKU	Japanese	Chinese	Korean	Spanish
HOL-SDC-1301	✓	✓	✓	✓
HOL-SDC-1303	✓			
HOL-SDC-1308	✓			
HOL-SDC-1310	✓	✓	✓	✓
HOL-MBL-1301	✓			
HOL-MBL-1304	✓	✓		
HOL-MBL-1309	✓	✓		

If you would like to take one of these labs in a different language, please change your language preference in your "Profile" settings.
[Click here for detailed instructions.](#)

Join the Conversation

Tweets

vmiss @vmiss33 @VMwareHOL HOL-SDC-1320 – OpenStack on VMware vSphere has made my weekend! AWESOME! 2 Nov Retweeted by Alex Jauch Expand

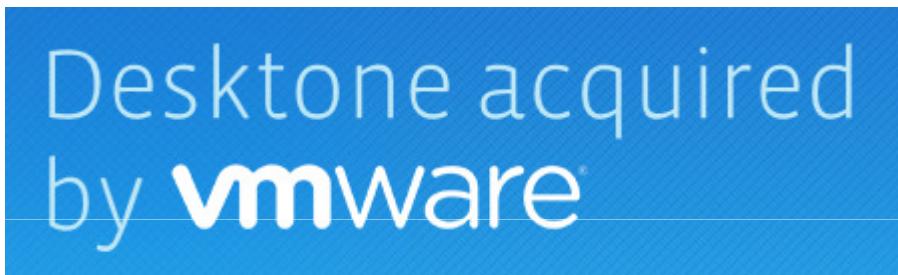
vmiss @vmiss33 @VMwareHOL HOL-SDC-1320 – OpenStack on VMware vSphere has made my weekend! AWESOME! 2 Nov Retweeted by dan wendlandt Expand

Compose new Tweet...

DE 11:21 04.11.2013

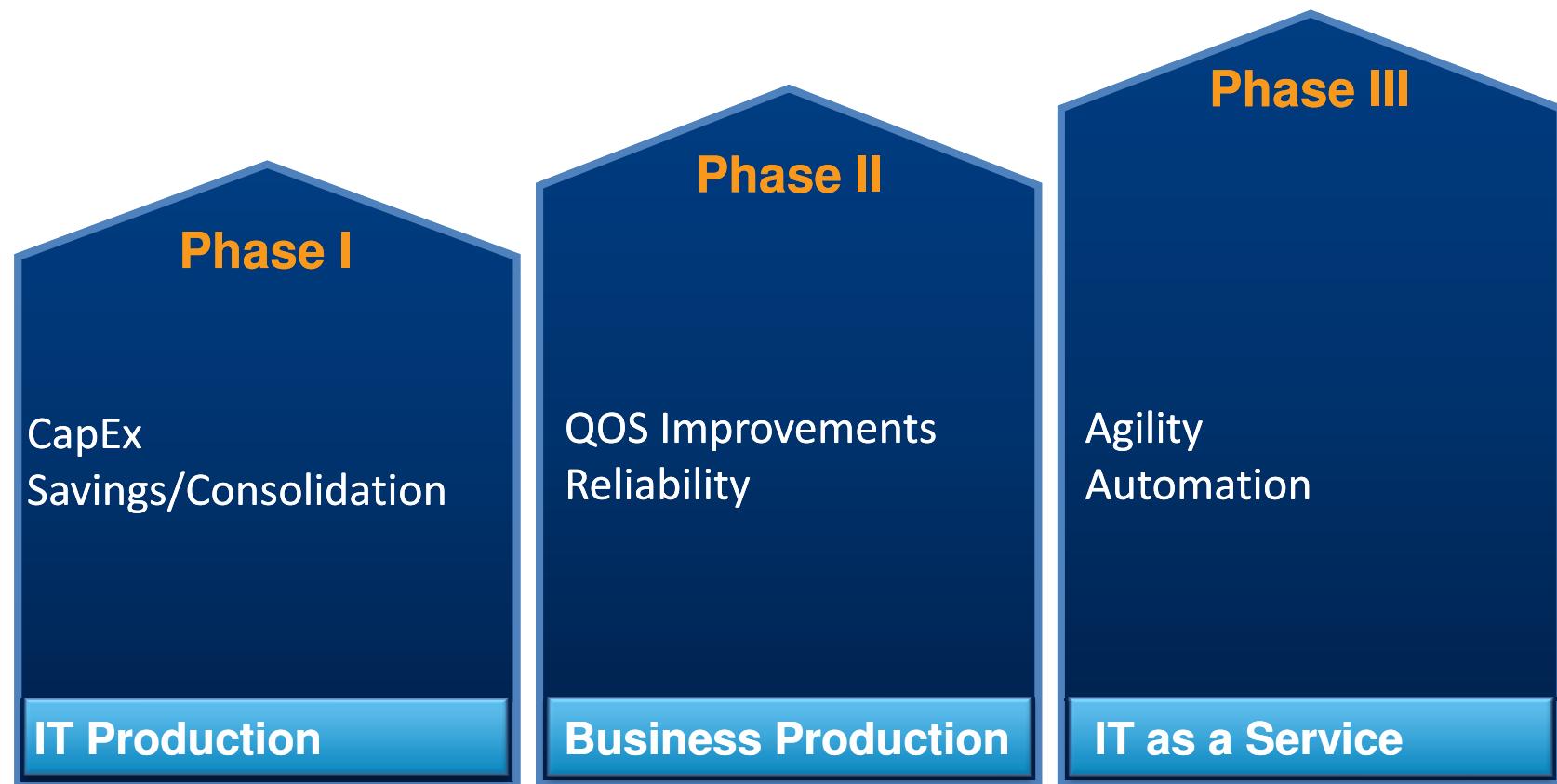
Keynotes

- Pat Gelsinger seit einem Jahr CEO:

- Desktone acquired
by **vmware**
- IT on a Journey
- Software Defined Data Center (SDDC) mit VMware
- Software Defined Network (SDN) mit NSX
- End User Computing mit Horizon



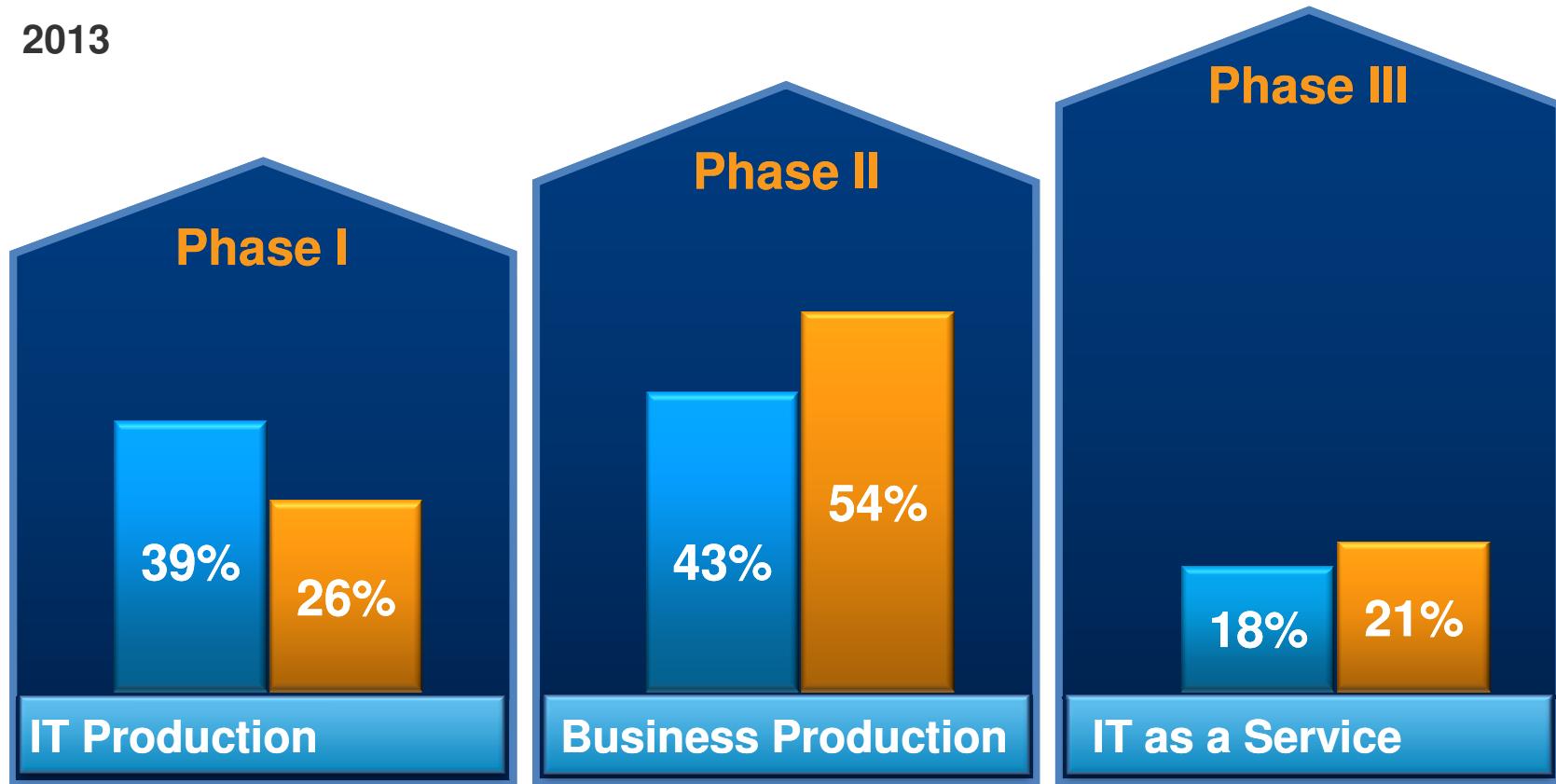
We Are on a Journey



Continued Progress

Percentage of customers at each stage

- 2012
- 2013

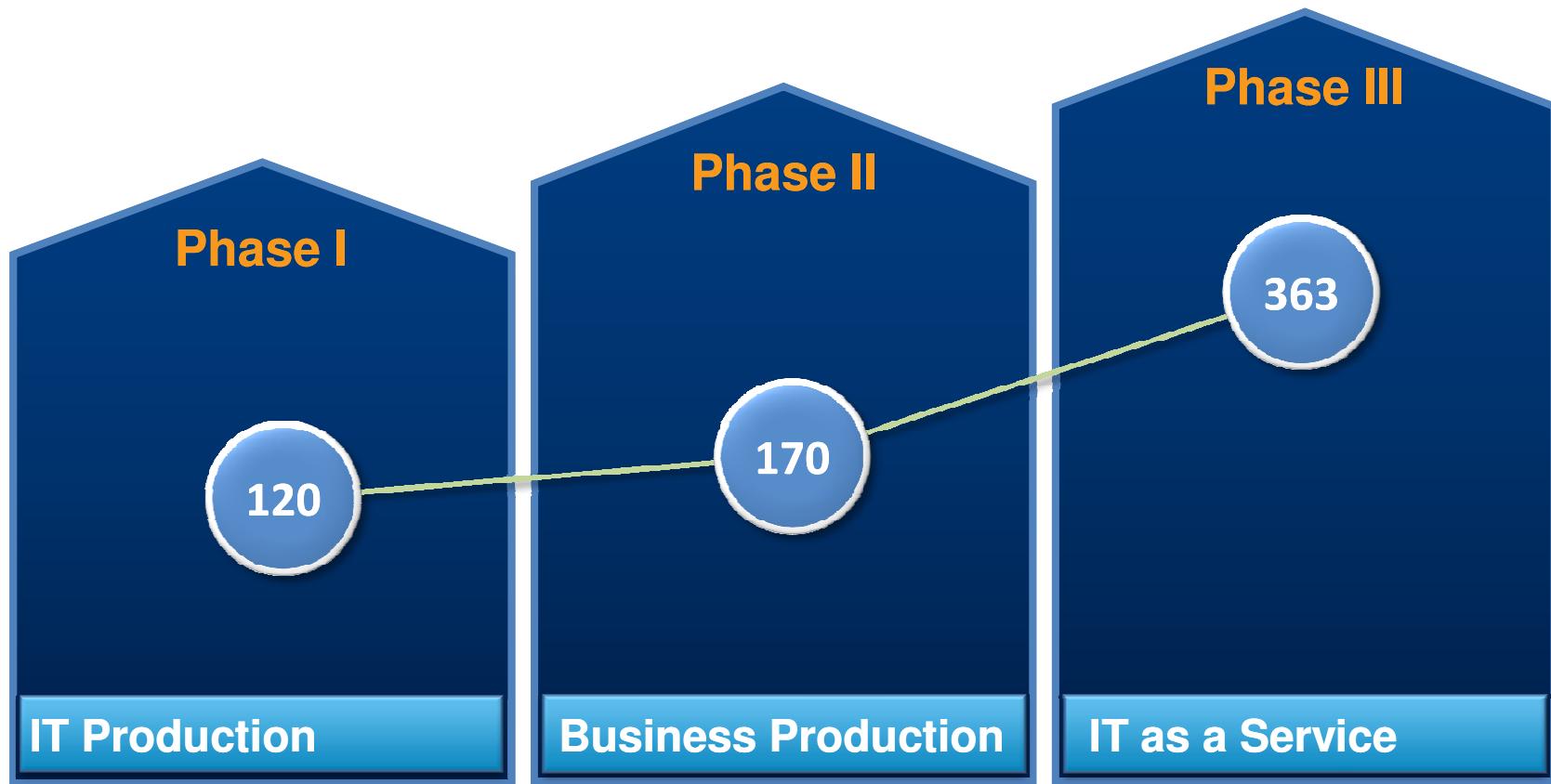


Source: Internal VMware customer survey, July 2013

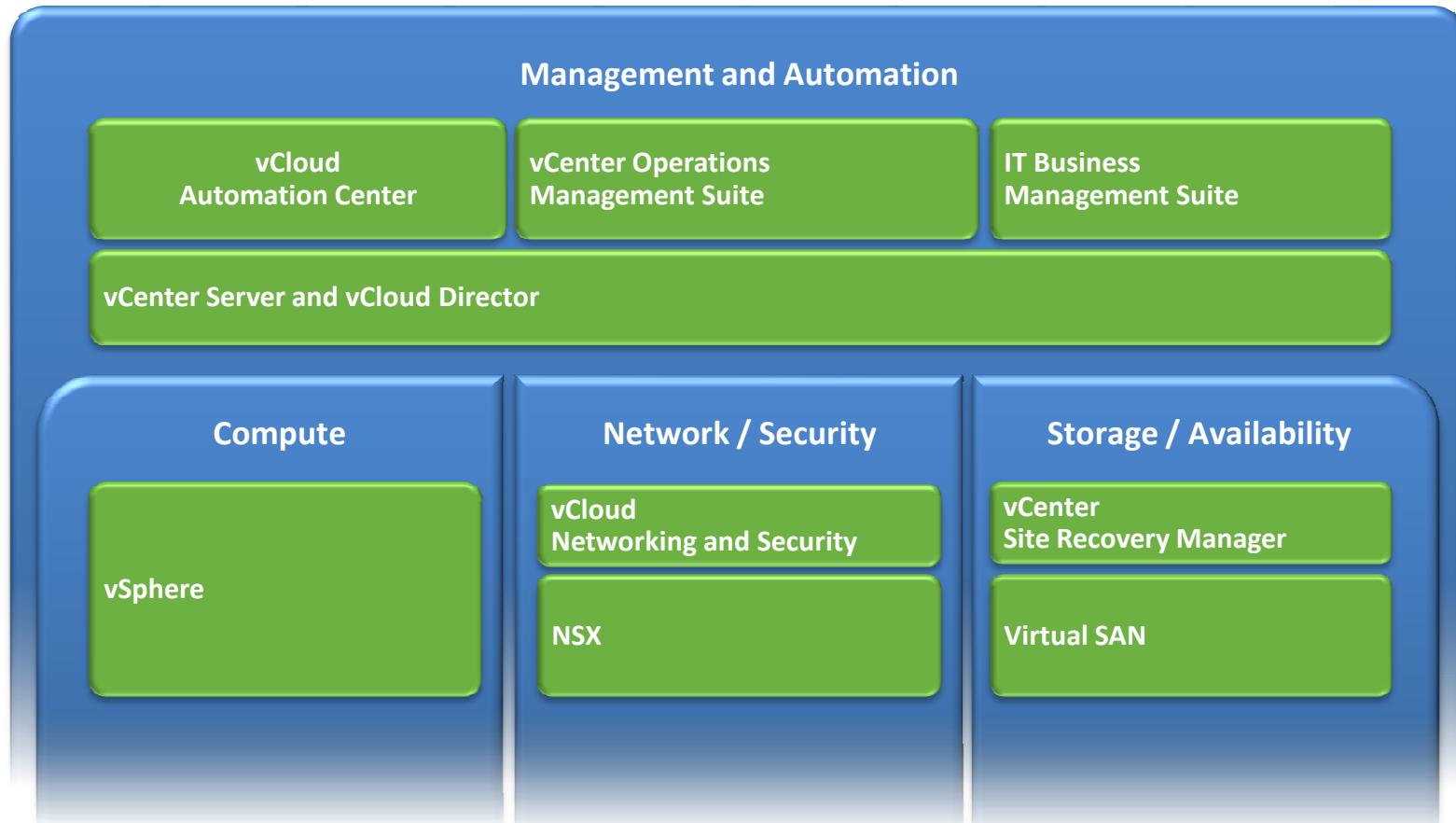
IT as a Service Lets You Do More



Average VMs per Admin



SDDC VMware Produkte





VMware vSphere 5.5 News



vSphere 5.5 ESXi Hosts

- Doubled Host-Level Configuration Maximums
- Hot-pluggable PCIe SSD Devices
- Support for Reliable Memory Technology
- 40Gb Nic support

vSphere 5.1	vSphere 5.5
160 pCPU	320 pCPU
2TB Memory	4TB Memory
8 NUMA Nodes	16 NUMA Nodes
2048 vCPUs	4096 vCPUs

vSphere 5.5 Virtual Machine

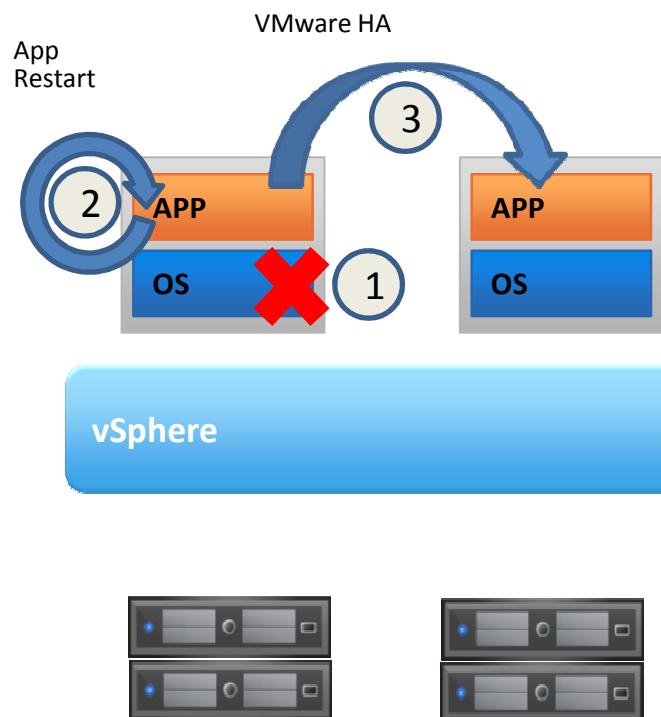
- New virtual Hardware V10
- Expanded vGPU Support
- Graphics Acceleration for Linux Guests
- 62TB virtual Disk (VMDK)

vSphere 5.5 vCenter

- SSO new from Ground up, no DB
- vSphere Web Client
- vCenter Server Appliance with embedded DB for 100 hosts and 3000 VMs
- Und vieles mehr:

<http://www.vmware.com/files/pdf/vsphere/VMware-vSphere-Platform-Whats-New.pdf>

vSphere App HA



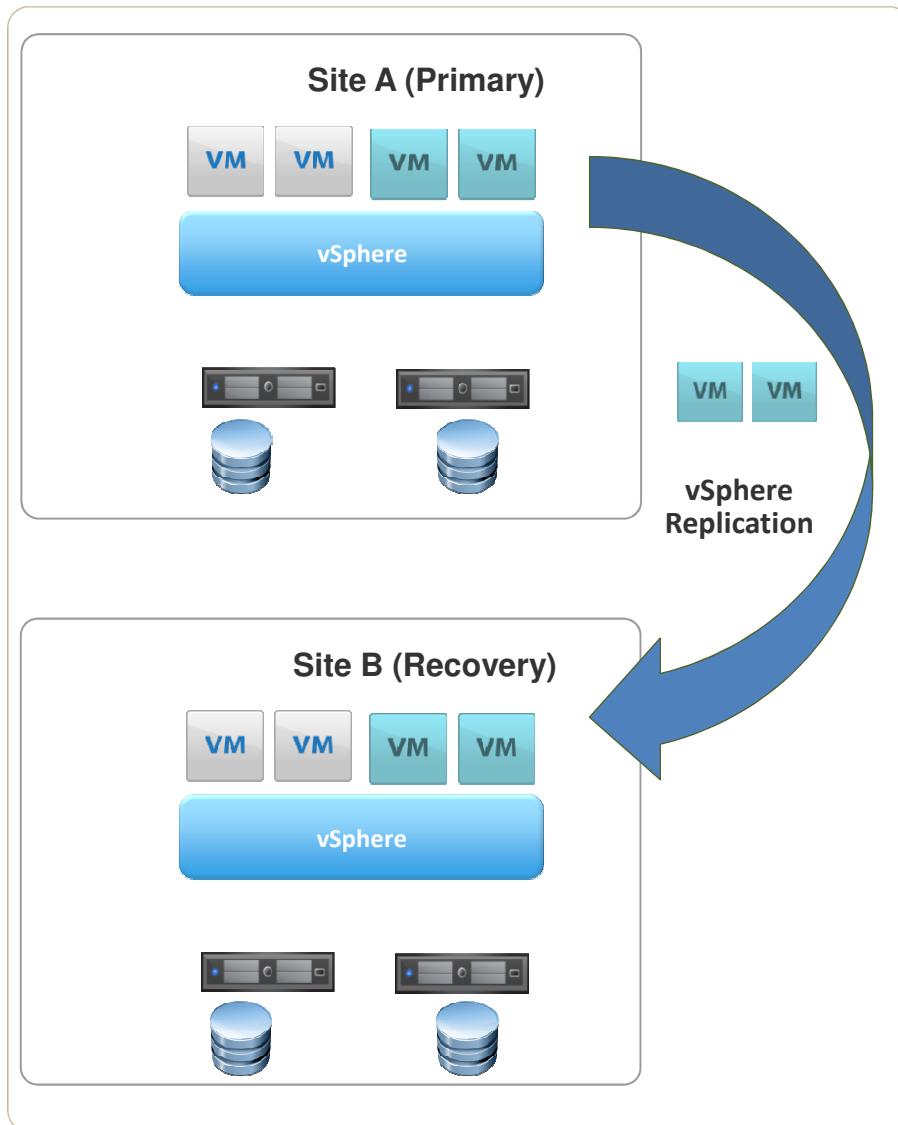
Overview

- Detect and recover from application or OS failure
- Supports most common packaged applications (SQL, IIS, SharePoint etc.)
- vCloud Extensibility – APIs to Ecosystem

Benefits

- Simpler management from vCenter Server
- Tier 1 application protection at scale
- Lower TCO than traditional application specific cluster availability solutions

vSphere Replication



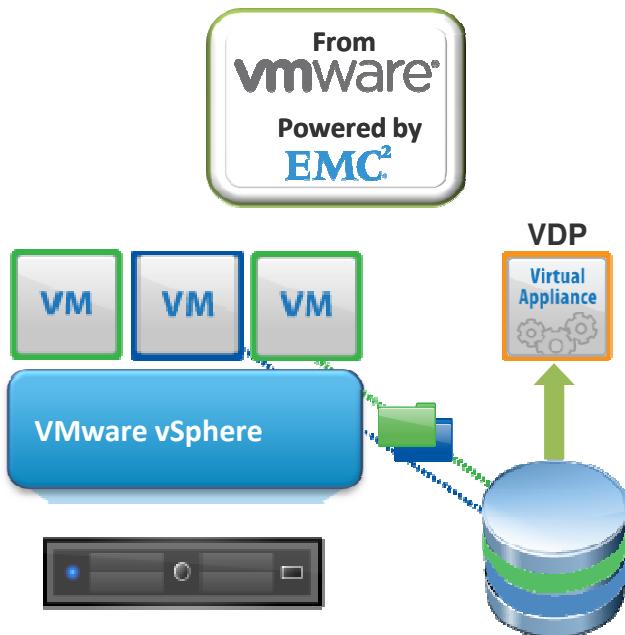
Overview

- Virtual machine level replication by the vSphere host
- New Support for:
 - Multiple Point-In-Time Copies
 - Multiple Replication Appliances per vCenter Server
 - Storage vMotion

Benefits

- Low cost/efficient replication
- More granular recovery options
- DR scalability and flexibility across BCAs
- Integration with SRM enables automated DR process

Architecture



What's new with VDP 5.5

- Direct to host recovery (no dependency on vCenter Server)
- Individual .vmdk backup and restore
- Detachable/re-mountable backup datastore
- Can be quiesced for datastore backup

Overview

VDP provides proven, efficient and simple backup and recovery for small and midsize vSphere environments

vSphere Data Protection (included with vSphere at no cost)

- Deployed as a virtual appliance
- Agent-less, image-level backup to disk
- Integrated with the vSphere platform

vSphere Data Protection Advanced (additional purchase)

- All VDP capabilities plus:
 - 4x greater scalability
 - Agent-based, application-awareness for Exchange and SQL
 - Easy upgrade from VDP

Benefits

- Built for vSphere, based on EMC Avamar technology
- 4x more storage-efficient
- 6x faster recovery
- Fast and easy deployment
- Managed directly from the vSphere Web Client
- Designed for the vSphere admin



- Abhängigkeiten prüfen!!!
 - VMware Horizon
 - Backup Software
 - usw.



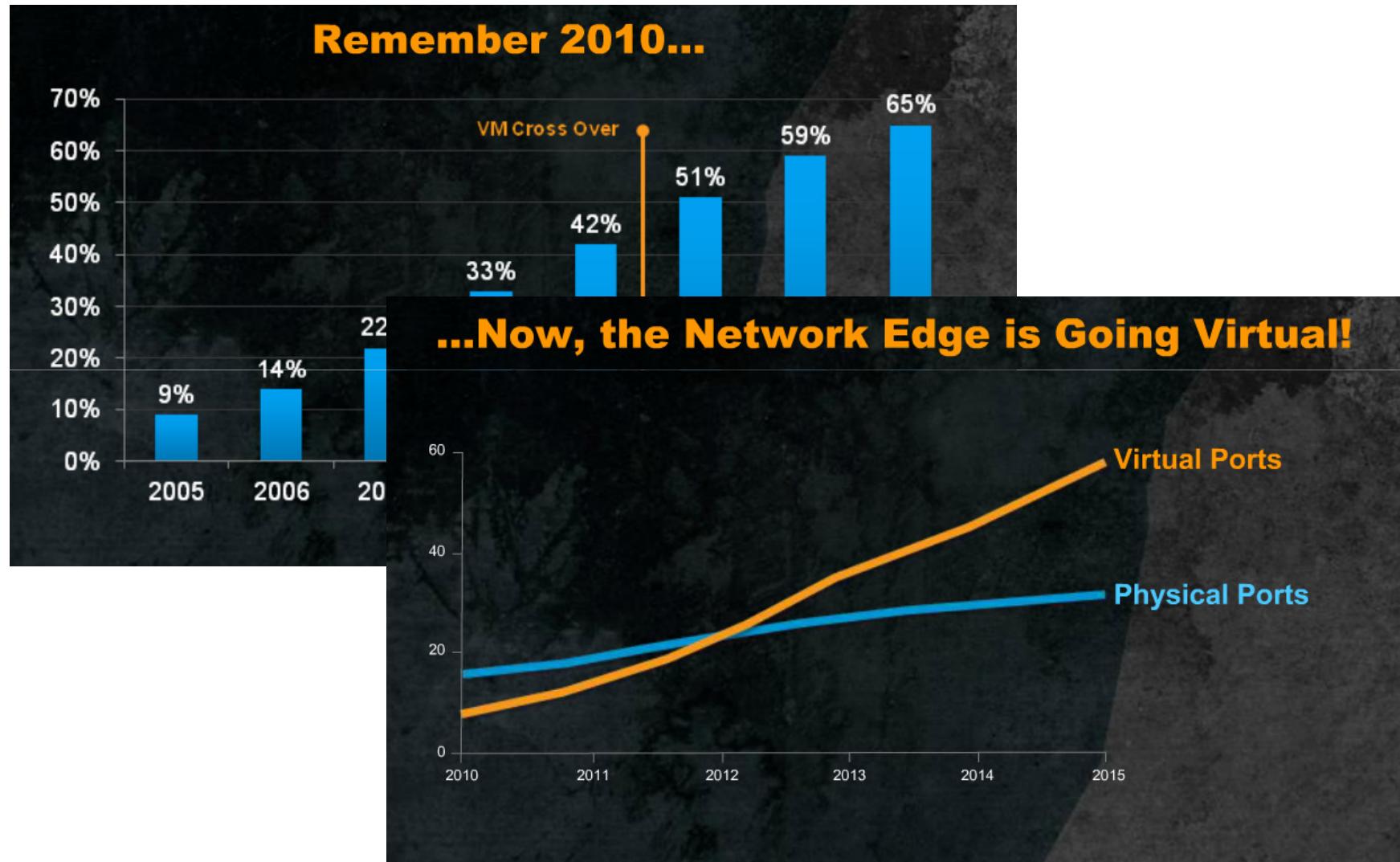
VMware NSX

Announcing...

VMware NSX™

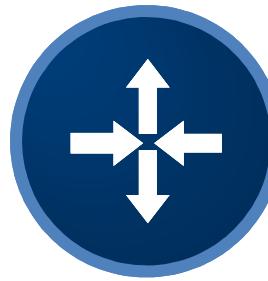
The Network Virtualization Platform

Physical vs Virtual

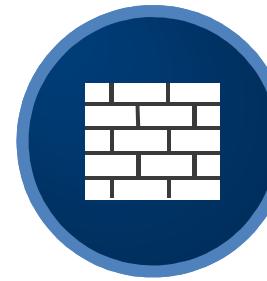




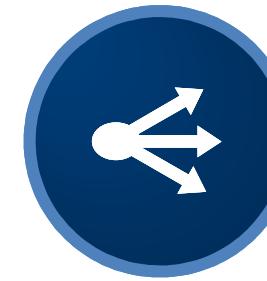
Switch



Router



Firewall



Load Balancer

Minutes

Days

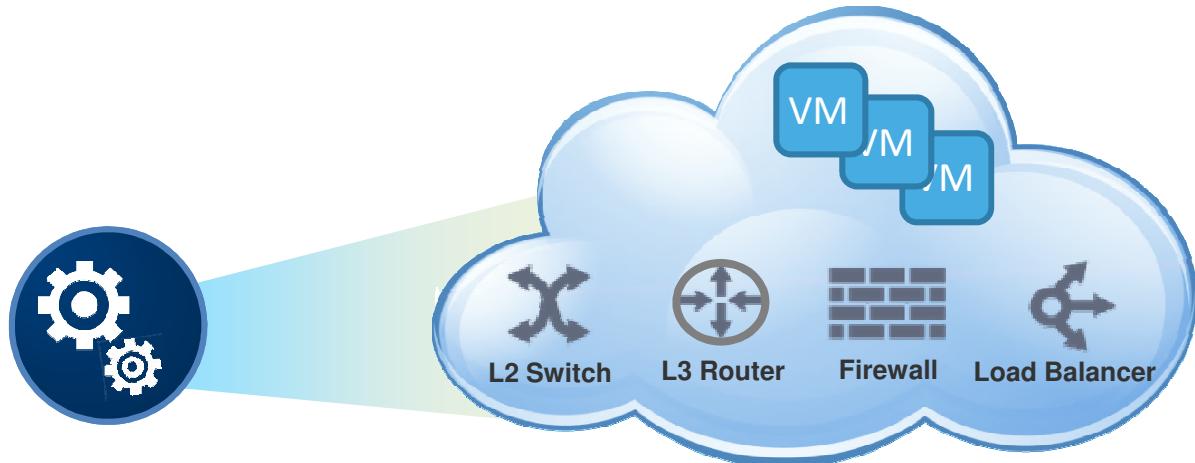


Conventional Networking

- Device-centric
- Static configuration
- Not application-aware

Compute Virtualization



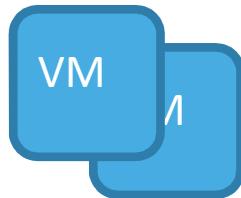


Network Virtualization with NSX

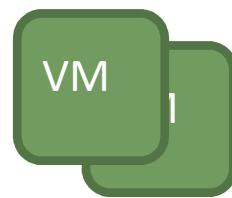
Operational model
of a VM



Web Tier



App Tier



DB Tier

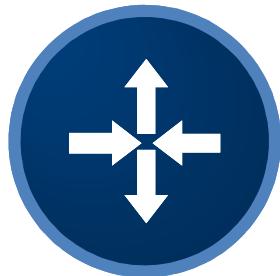


Connectivity
within an app tier



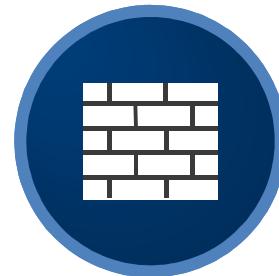
L2 Switch

Connectivity between
tiers and the outside



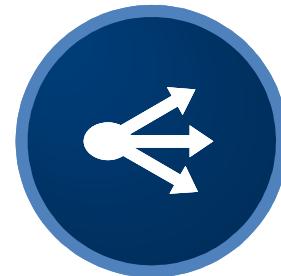
L3 Router

Security between
and within app tiers
and the outside

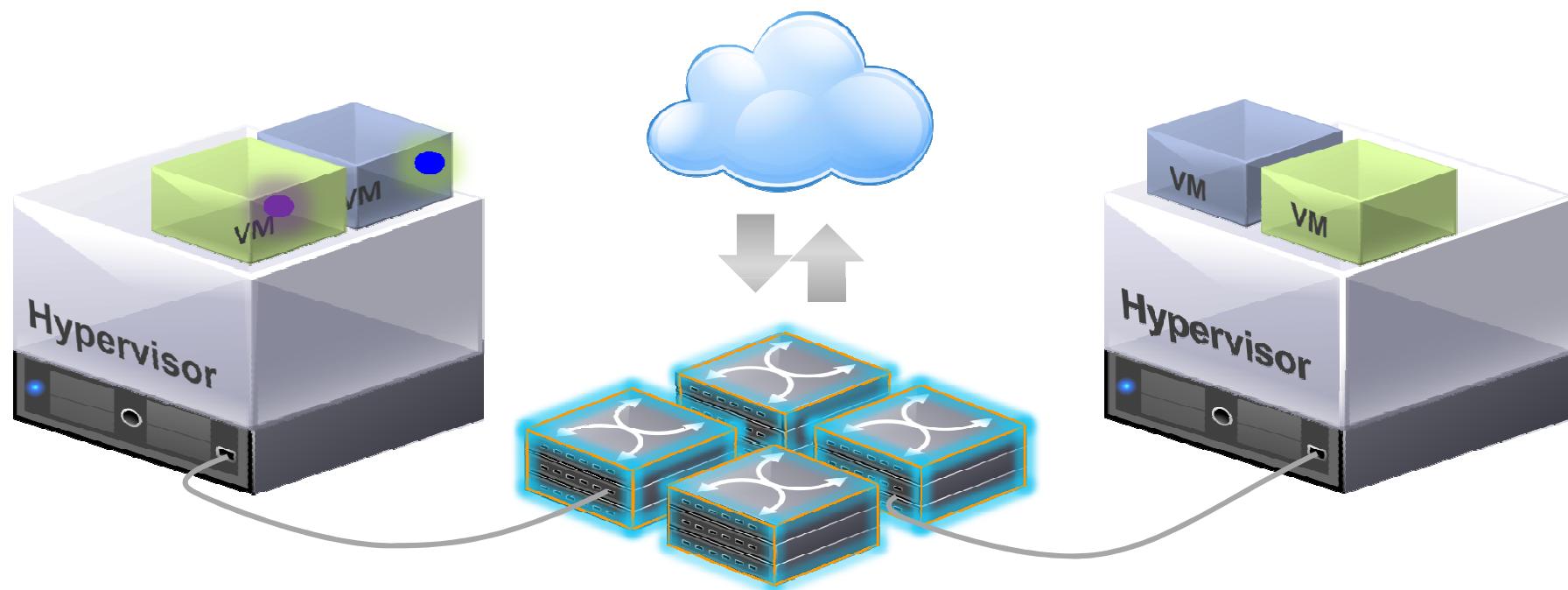


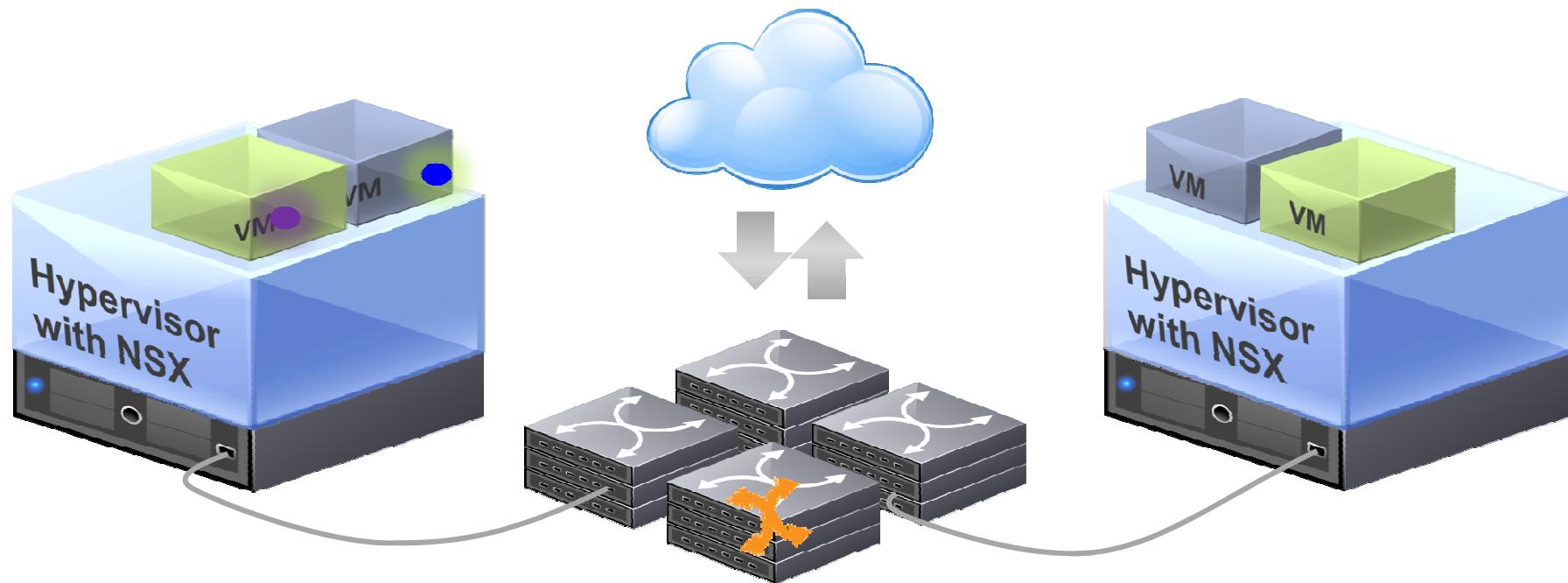
Firewall

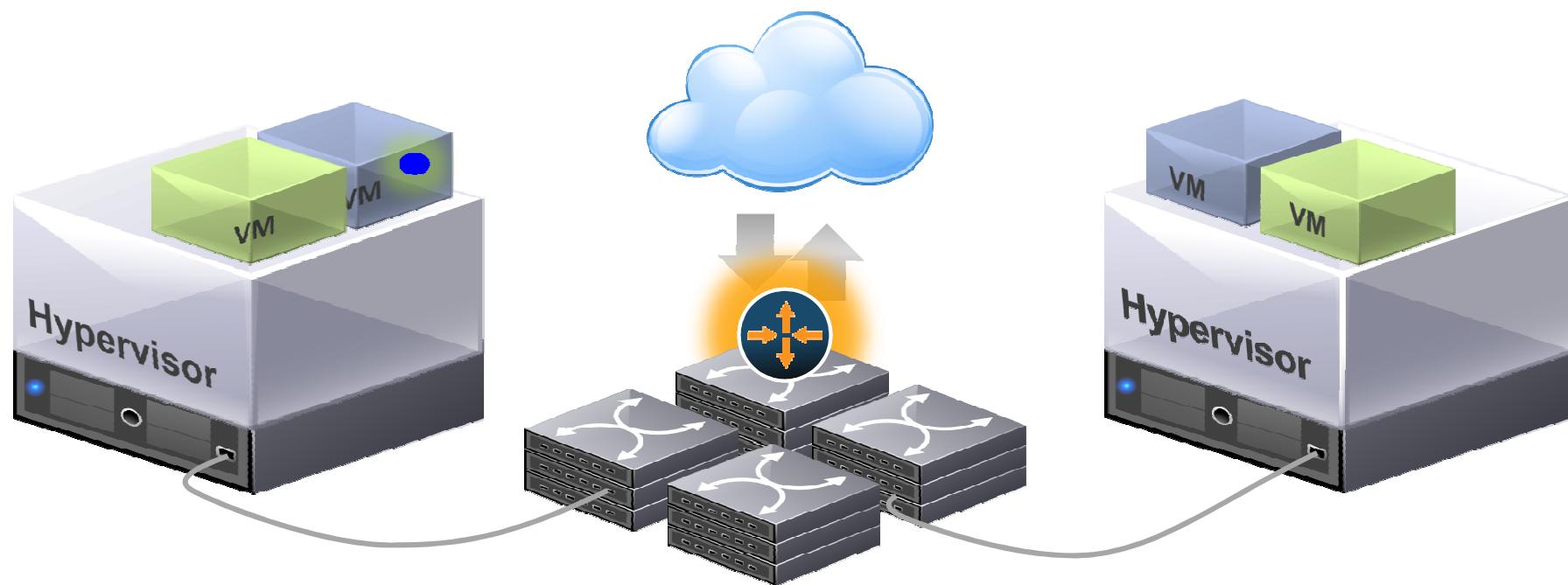
App
availability



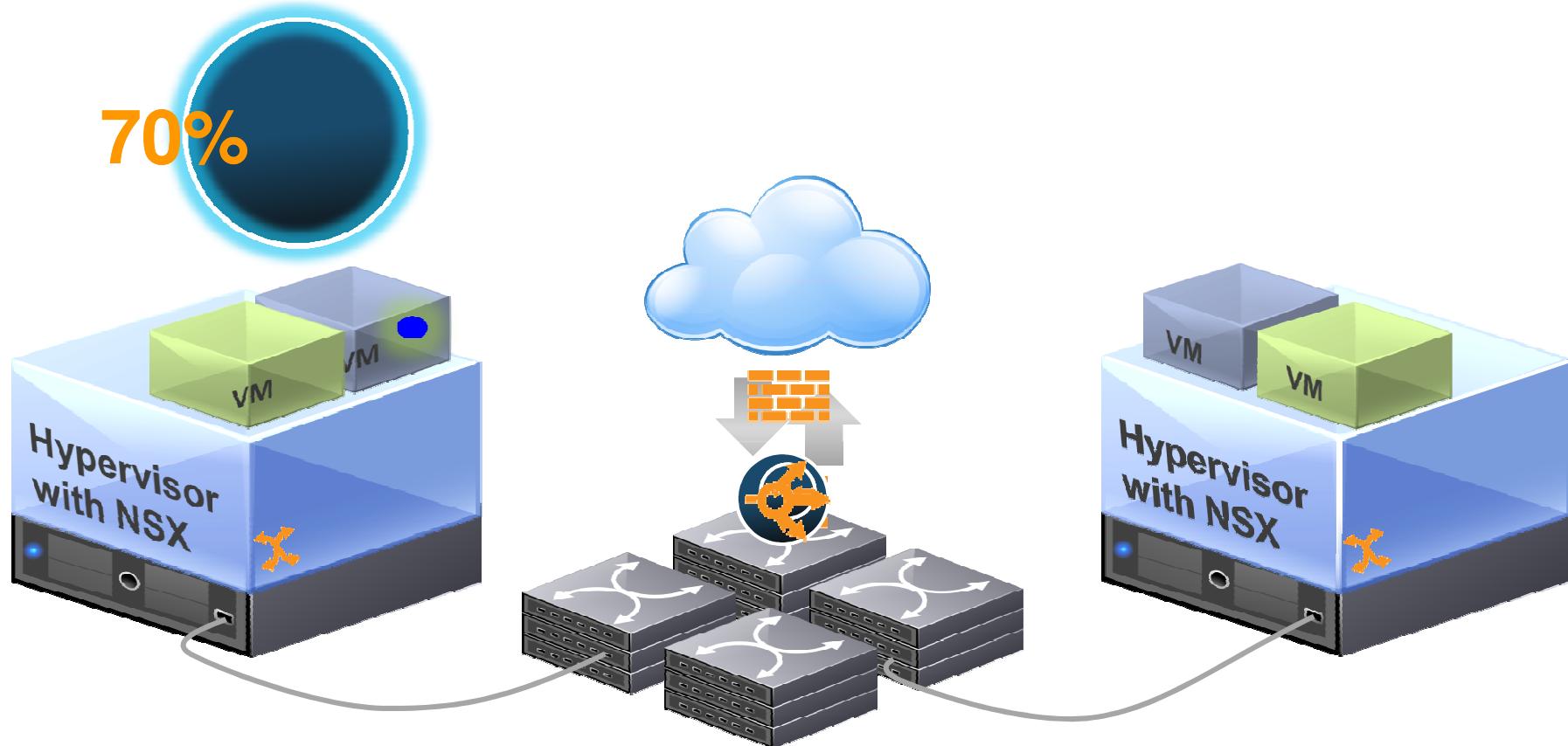
Load Balancer



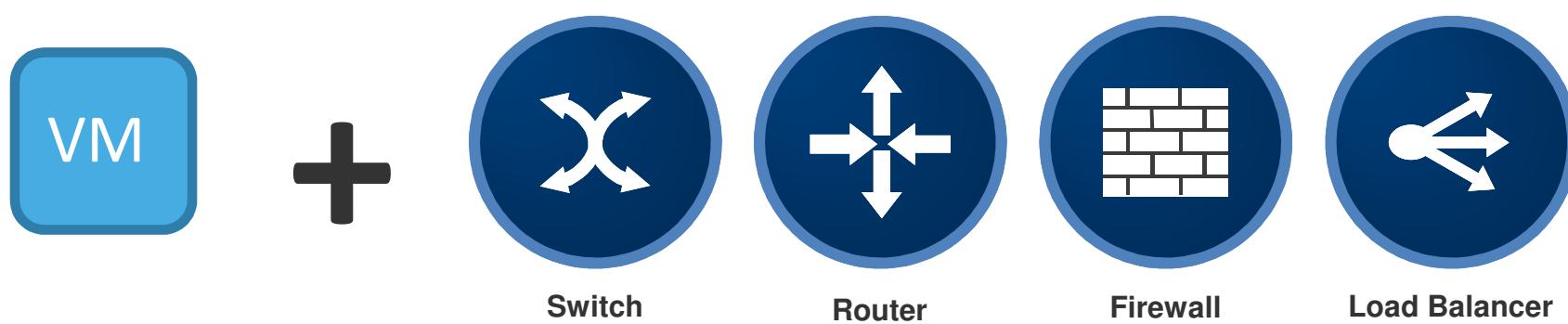




Network Balancing with NSX



Virtual Network Approach



Minutes

Days

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