vmworld 2013 10TH ANNUAL



Forward-Looking Statements

This presentation contains forward-looking statements including, among other things, statements regarding the total addressable market for VMware products and services; expectations regarding the volume of server workloads and the role of network virtualization; VMware's strategy and vision for growth in compute, networking, storage, management and software-defined data center products and services; expected features and availability of VMware NSX, Virtual SAN, and VVols products and their potential benefits to customers and partners; pricing and expectations of customer interest and demand; and trends in cloud management. These forward-looking statements are subject to the safe harbor provisions created by the Private Securities Litigation Reform Act of 1995. Actual results could differ materially from those projected in the forward-looking statements as a result of certain risk factors, including but not limited to: (i) adverse changes in general economic or market conditions; (ii) delays or reductions in consumer or information technology spending; (iii) competitive factors, including but not limited to pricing pressures, industry consolidation, entry of new competitors into the virtualization and cloud computing markets, and new product and marketing initiatives by our competitors; (iv) our customers' ability to develop, and to transition to, new products and computing strategies such as cloud computing, network virtualization and the software defined data center; (v) the uncertainty of customer acceptance of emerging technology; (vi) rapid technological and market changes in virtualization software and platforms for cloud and end user computing and networking; (vii) our ability to attract and retain highly qualified employees; and (viii) geopolitical events and stability. These forward-looking statements are based on current expectations and are subject to uncertainties and changes in condition, significance, value and effect as well as other risks detailed in documents filed with the Securities and Exchange Commission, including our most recent reports on Form 10-K and Form 10-Q and current reports on Form 8-K that we may file from time to time, which could cause actual results to vary from expectations. VMware assumes no obligation to, and does not currently intend to, update any such forwardlooking statements after the date of this release.



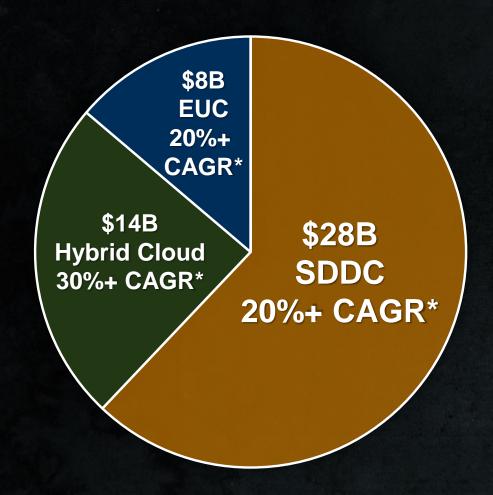
Financial Analyst Day

VMware Software-Defined Data Center Products

Raghu Raghuram

Executive Vice President of
Cloud Infrastructure and Management
VMware

\$50B+ Total Addressable Market Opportunity 2016



Source: Analyst Data and VMware Internal Analysis, 1Q2013, * CAGR from 2012-2016

Major Trends



Customers recognize the SDDC as the new architecture for future data centers



Positioning customers for success in the mobile-cloud era

- Compute
- Networking
- Storage
- Management

Mobile-Cloud Era Demands Continued Innovation



New Challenges for IT...

- Velocity—Continuous application development and deployment
- Explosion of data volume
- Inefficient infrastructure silos
- IT Losing Control

 Use of external infrastructure resources



...Require New Data Center Capabilities

- Apps and services in production on-demand
- 2. Automated, dynamic resource assignment with ecosystem integration
- 3. HW-agnostic and elastic scalability
- 4. Hybrid infrastructure with IT control

Positioning IT Organizations for Success in the Mobile-Cloud Era

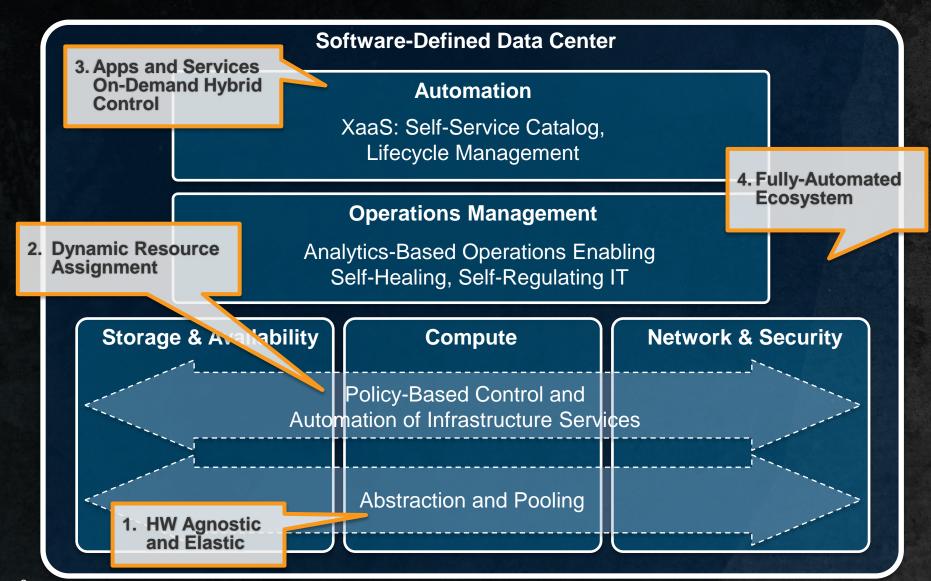


Software-Defined Data Center

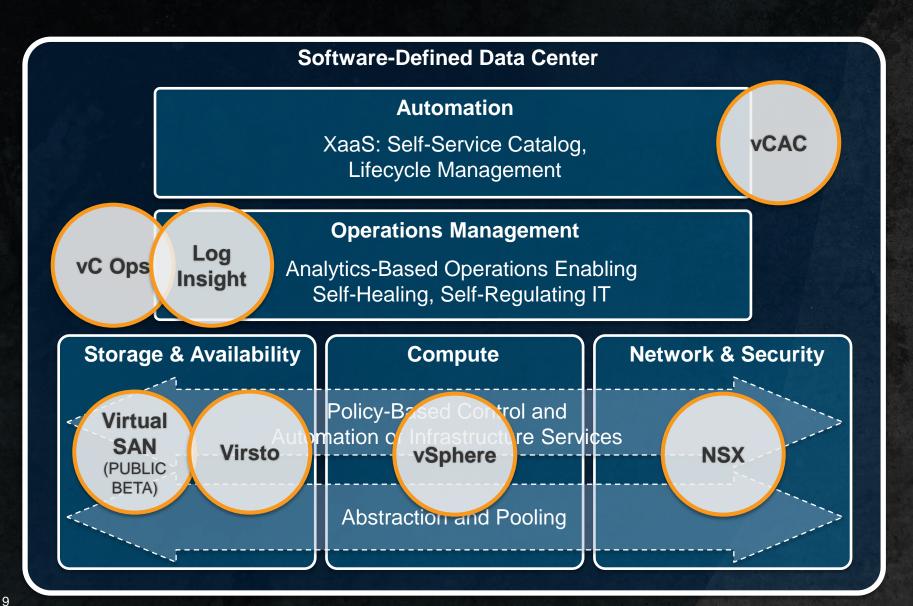
All infrastructure is virtualized and delivered as a service, and the control of this data center is entirely automated by software

SDDC:

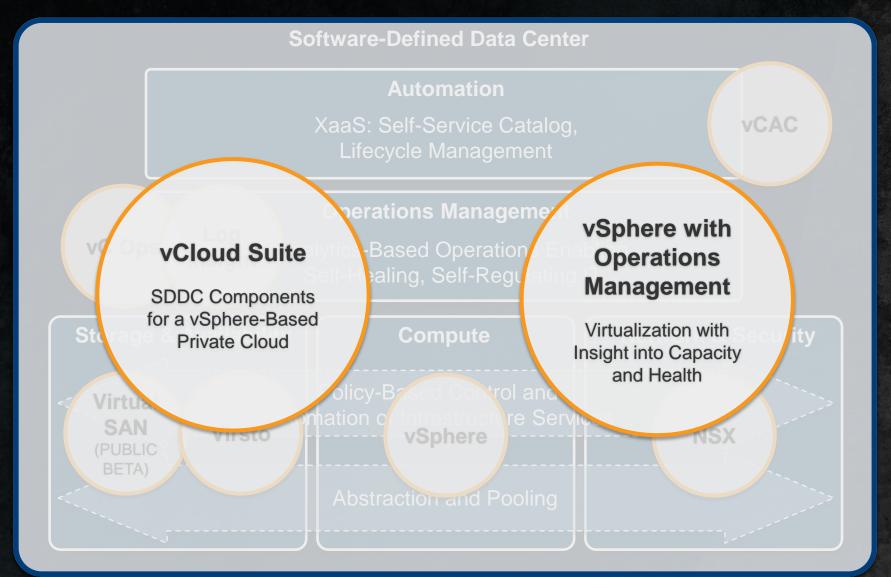
Positioning Enterprise IT for the Mobile-Cloud Era



SDDC Product Updates in H2 2013

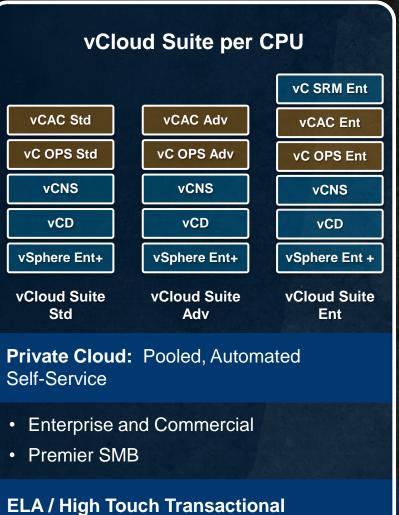


SDDC Product Updates in H2 2013



2013 vSOM and vCloud Suite Offerings





Many Customers Are Already Adopting Key Components of SDDC Technology





vCloud Suite and vSphere

With Operations Management Customer Examples

vCloud Suite Customers



10,000 Engineering Work-

200,000 VMs Deployed **3,000** Users

Weeks Saved

Supported



\$47M

CapEx/OpEx
Savings

#1

Industry Leader with Lowest Overall TCO

70

New Stores Powered in China

vSphere Operations Management Customers



\$100K+

Hardware Savings 300

VMs Deployed

3

Data Center Locations



2

Data Centers Now Virtualized and Monitored 30

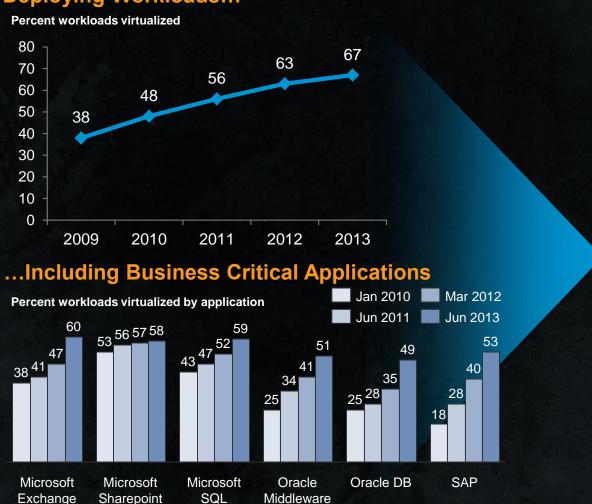
Servers Running

Hyper-V Displacement Example

Positioning customers for success in the mobile-cloud era COMPUTE

vSphere Platform Growth Continues to Be Strong

Virtualization Increasingly the Standard for Deploying Workloads...



VMW Today: ~40M VMs 500K Customers

Broad Installed Base Positions VMware to Deliver Additional Value with SDDC Offerings

Exchange

vSphere 5.5: Designed to Capture Next-Gen Apps and All x86 Workloads

Optimized for Next Gen Cloud Applications Growth

Spring python python python 2016

48M

2012

6M



vSphere Big Data Extensions – Optimize Hadoop Workloads and Extend Project Serengeti



Pivotal CF on VMware vSphere – Build PaaS On-Premise



OpenStack –
Deliver Architecture Choice



High-Performance Computing -Virtual Beats Physical 2700+ Core HPC for Air and Missile Defense



Latest Chip Set Support –
Next Generation Intel® Xeon® Processor E5 v2
Intel® Atom™ Processor C2000

vSphere 5.5: Optimizing Performance for Business-Critical Apps (BCA)

Increasing business critical apps virtualized



Low Latency Sensitivity - Beta Customer Feedback

"WOW! I can't thank you and everyone else who worked on the low-latency improvements enough...

...It's going to be a wild ride with vSphere 5.5 - you guys have hit this one out the park and past the county lines as far as I'm concerned."

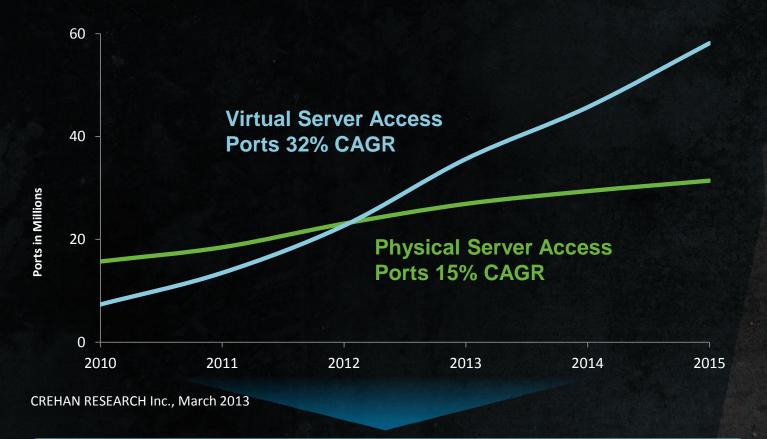
Sys Admin, Global International Investment Bank HQ'd in New York

Note: Server workloads

Source(s): VMware estimates based on Industry analyst data and internal analysis

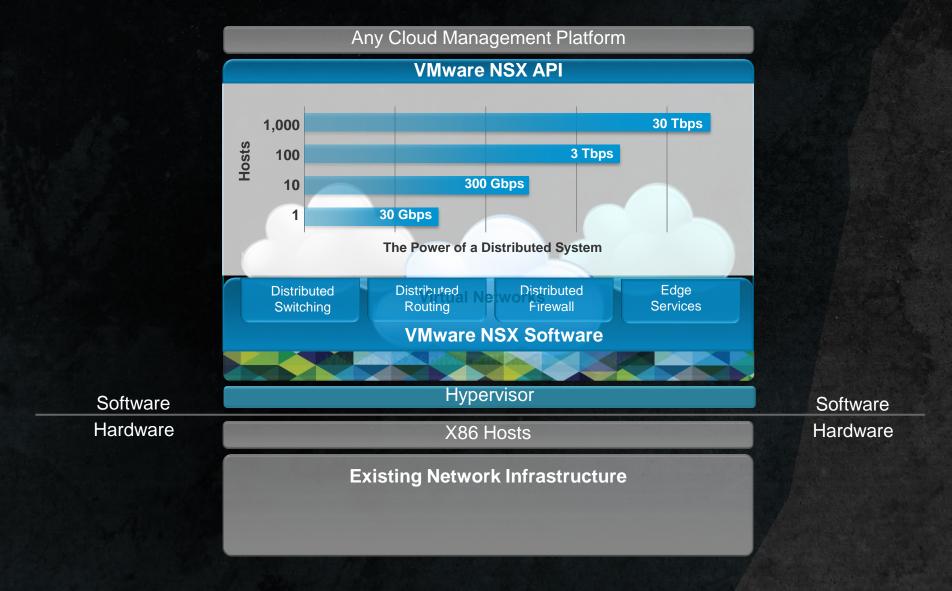
Positioning customers for success in the mobile-cloud era NETWORKING

The Network is Becoming Virtual

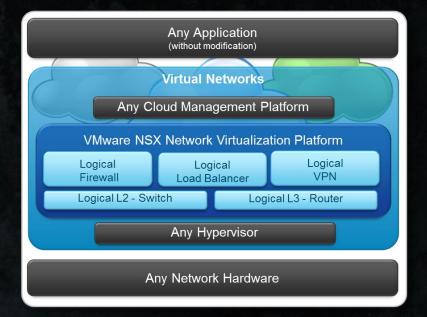


- Half of all Server Access Ports are already virtual...
 ...and are on track be ~67% in 2 years
- 40% of virtualization admins also manage virtual switching

The Role of Network Virtualization



Partner Extensibility for NSX











cloudstack



























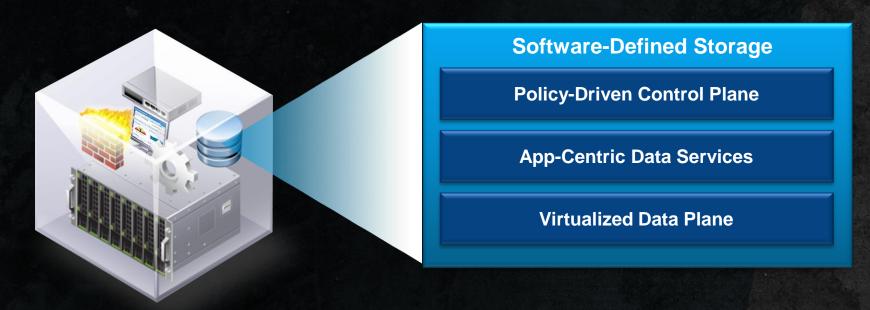






Positioning customers for success in the mobile-cloud era STORAGE

Software-Defined Storage Brings the Operational Model of Compute to Storage

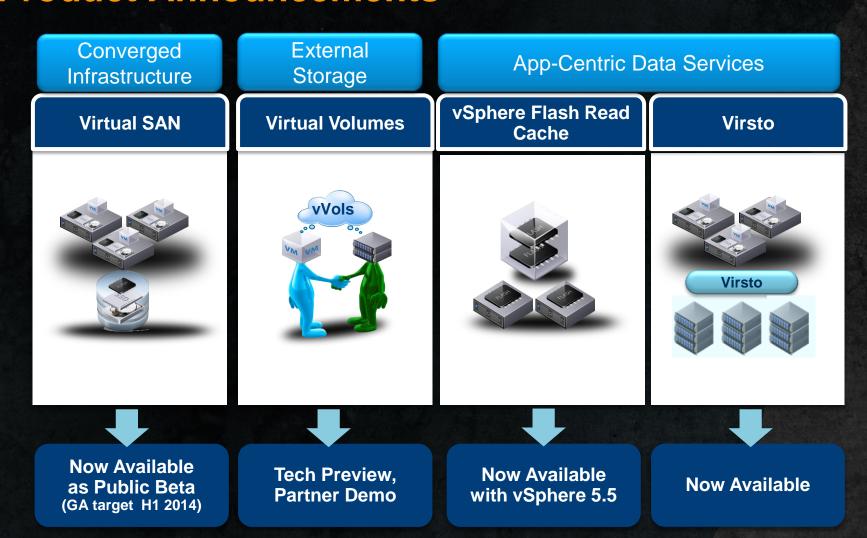


Software-Defined Data Center

Software-Defined Storage

Heterogeneous storage resources are abstracted into logical pools, consumed and managed through app-centric policy-based automation

VMware Software-Defined Storage – Product Announcements



VMware Virtual SAN – Initial Use Cases

Virtual Desktop (VDI)







- Handle peak performance such as boot, login, read/write storms
- Seamless granular scaling from POC to deployment without huge upfront investments
- Support high VDI density

Tier 2 / Tier 3 Test and Dev



VM





- Rapid storage provisioning and complete automation
- Ideal price/performance
- Minimizes data center footprint

DR Target



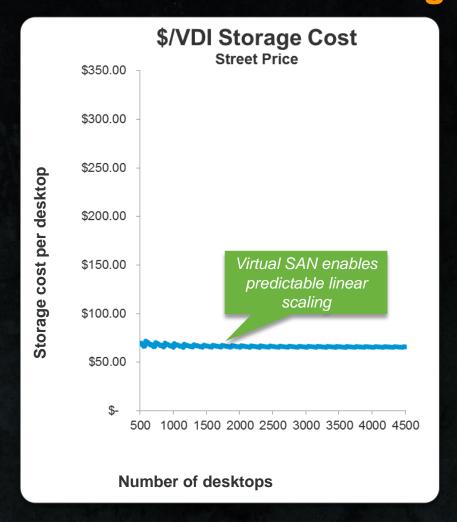


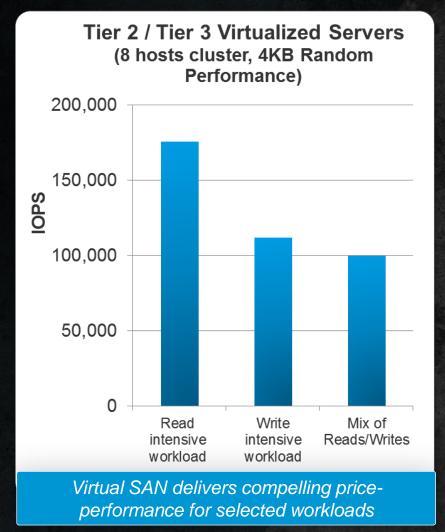


- M
- Site B

- Integrated with vSphere Replication and VMware SRM
- Reduces cost of storage
- Minimizes data center footprint

Compelling Price/Performance with Predictable Scaling





- Estimated based on 2013 street pricing, Capex (includes storage hardware + software license costs)
- Additional savings come from reduced Opex through automation
- Virtual SAN configuration: 10TB hosts, 9 VMs per core, with 40GB per VM, 2 copies for availability and 10% SSD for performance

Positioning customers for success in the mobile-cloud era MANAGEMENT

Cloud Management – Opportunities



Cloud Management Space Is Ripe for Continued Disruption

- Technology and market changes creating opportunity for new leaders
- Organizations are deploying new Cloud management solutions that are purpose-built to manage environments that are dynamic, heterogeneous, and scale-out capable



VMware Management Leading the Disruption

- Big shift in software spend from traditional IT management to cloud management vendors
- VMware is one of the fastest growing management vendors
 - IDC: #1 market share in Cloud Systems Management in 2012
 - Gartner: Top 2 fastest growing ITOM vendors in 2012

Technology Shifts Driving the Disruption

- Client-Server Era Mobile-Cloud Era
- · Cloud scale
- Shifting category boundaries

Legacy Management

- Regulate and coordinate manual processes
- Manual health models on structured data
- Many point products, installed on-premise

Cloud Management

- Policy-based automation and control
- Analytics approach on unstructured data
- Broad solution suites

Cloud Management Mission

VMware Simplifies and Automates IT Management and Empowers IT to Govern Services
Across Heterogeneous Platforms and Hybrid Clouds

Cloud Automation

Automate the delivery of infrastructure, applications and desktops as a service across multiple clouds and platforms.

Target Market:

Enterprise customers on-boarding to cloud via automation, laaS/PaaS

Cloud Operations

Ensure the health, risk, efficiency and compliance of your infrastructure and applications.

Target Market:

Customers (>50 VM) looking for operations management in dynamic, virtual and cloud environment

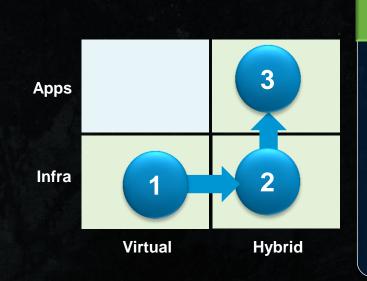
Cloud Business

Govern and manage cloud services as a critical element of running IT like a business.

Target Market:

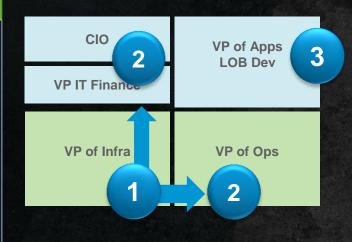
- Fortune 2000 customers
- IT spend > \$75M

Cloud Management: Evolution and Strategy



Phases

- Leverage VI Admin and focus on vSphere Infra
- Expand to Hybrid & Heterogeneous Infra & ITBM
- Extend focus to broader SDDC Mgmt and next Gen DevOps.



2010 2011 2012 2013 2014 2015+

- 1
- Launched Mgmt Business
- Acquire Ionix and Integrien

- 3
- Investment to accelerate growth
- Expand Portfolio to new management domains
- Acquired Digital Fuel ITBM Market entry
- Acquired DynamicOps Expanded Heterogeneous and Hybrid Management focus
 - Acquired Pattern Insights Extended Analytics from Machine to Log

Cloud Management: Investment Areas

Cloud Automation

- Multi-platform, multivendor provisioning
- Personalized, selfservice delivery
- Lifecycle management of service including resource reclamation
- Extensible design

Cloud Operations

- Visibility –
 application to
 infrastructure
- Preventive and automated operations
- Operations for large scale cloud environments
- Analytics for unstructured data

Cloud Business

- Cost Visibility
- Efficiency compare costs, benchmark
- Optimize sourcing
- Prescriptive guidance

Delivering Customer Value

Cloud Automation

vCloud Automation Center

Self-service accessValuePolicy-based compliance

 Automated service provisioning

Cloud Operations

vCenter Operations Management

- Analytics-based
- X-cloud performance and compliance

Cloud Business

VMware ITBM

- Show-/chargeback
- · Fact-based Biz/IT planning
- "Broker of IT Services"





Nationwide Nationwide

Proof Points

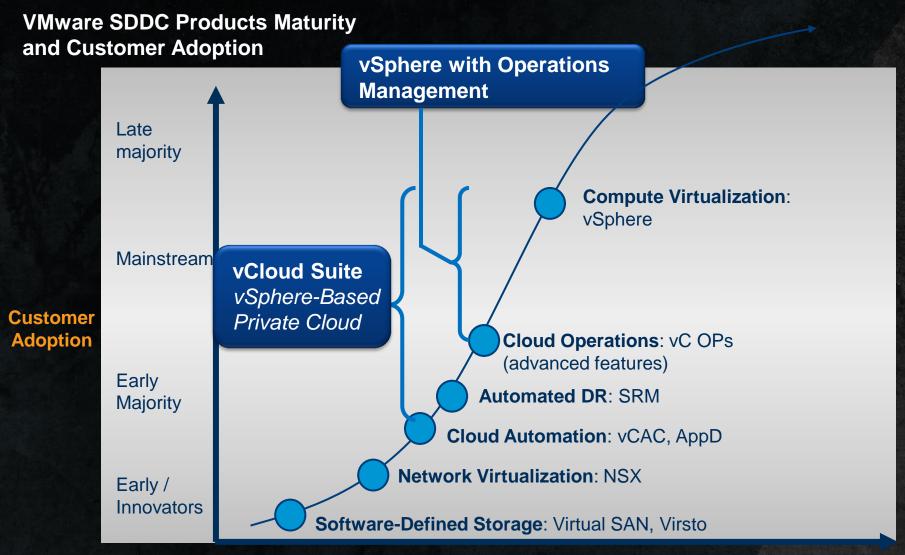
Prop

- Reduced provisioning from days to minutes
- Solution extended throughout NewsCorp

- Managing over 10K VMs
- Reduced daily alerts 10x
- Found 92% VMs overprov., reclaimed 1000 VMs
- 6% reduction in unit costs through Unit Cost Analysis
- \$20M in annual cost savings

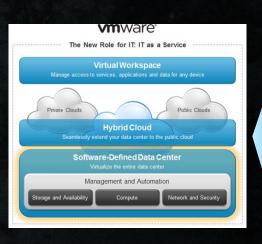
Positioning customers for success in the mobile-cloud era

Building Towards the SDDC for Customer Value



Product Maturity

Track Record of Innovation Positions VMware to Realize the Software-Defined Data Center



Management and Automation

Cloud Management Disrupting
 Traditional Enterprise Management

Compute

 Optimizing vSphere for business critical and next generation apps

Network and Security

Start of transformational journey

Storage and Availability

 Big opportunity to drive simplicity, automation, and efficiency vmworld 2013 10TH ANNUAL

