

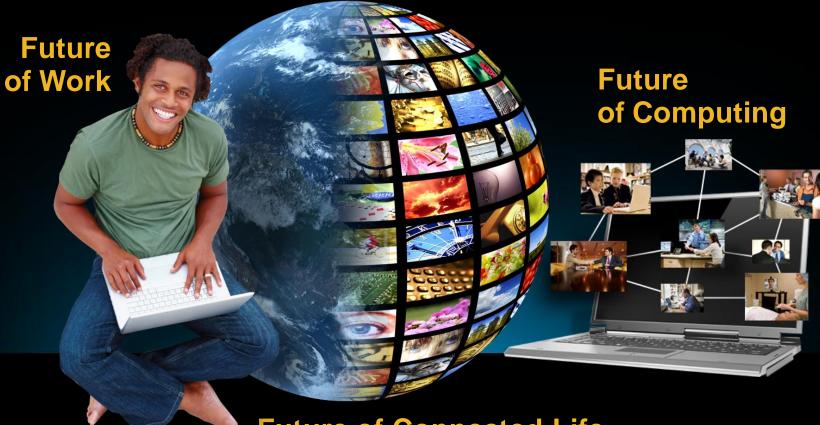
Technology for a Changing World

Ed Baker Director Architectures Emerging Markets East Cisco Systems

CISCO VISION

Changing the way the World Lives, Works, Plays & Learns

Three Key Market Transitions



Future of Connected Life

Driven by Video and Collaboration

Cisco Public



Inter-Company Collaboration

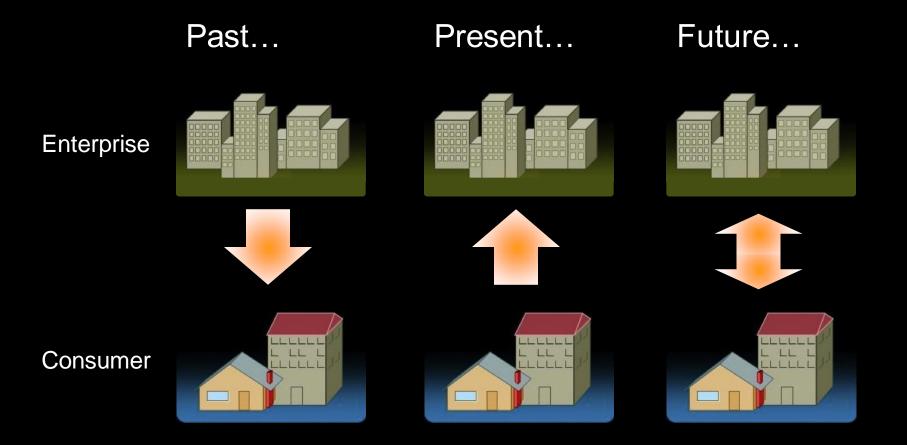
Clusters of Experts

Millennials

Mobile Experience



Innovation Flow between Consumer and Enterprise



Very Few Companies Understand Both of These Worlds

Future of Connected Life

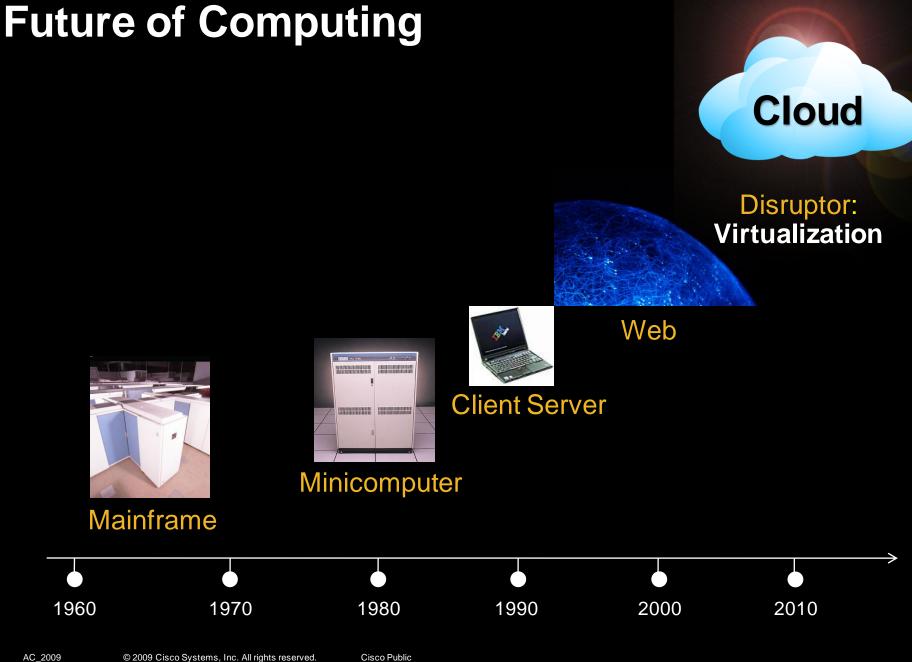
Internet Mobility will Sharing vs. be Pervasive

Content "Owning"

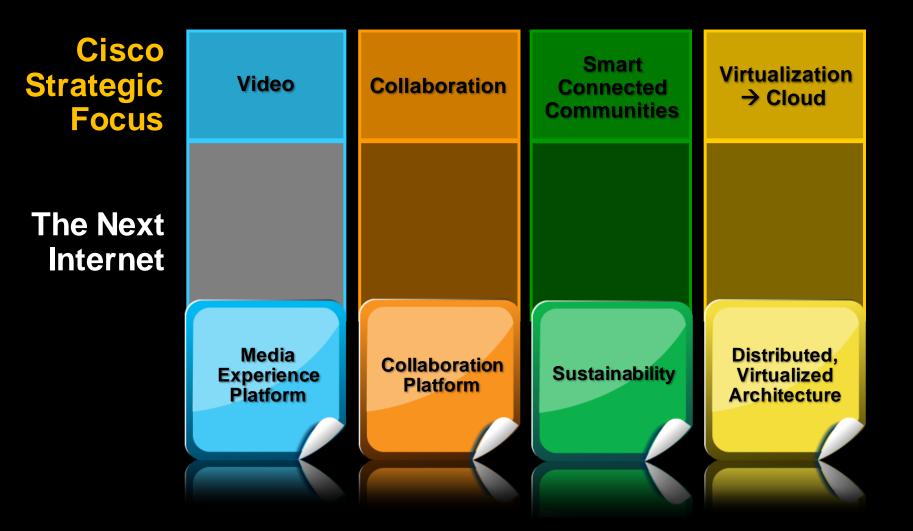
Video

Lifestyle **Optimization**



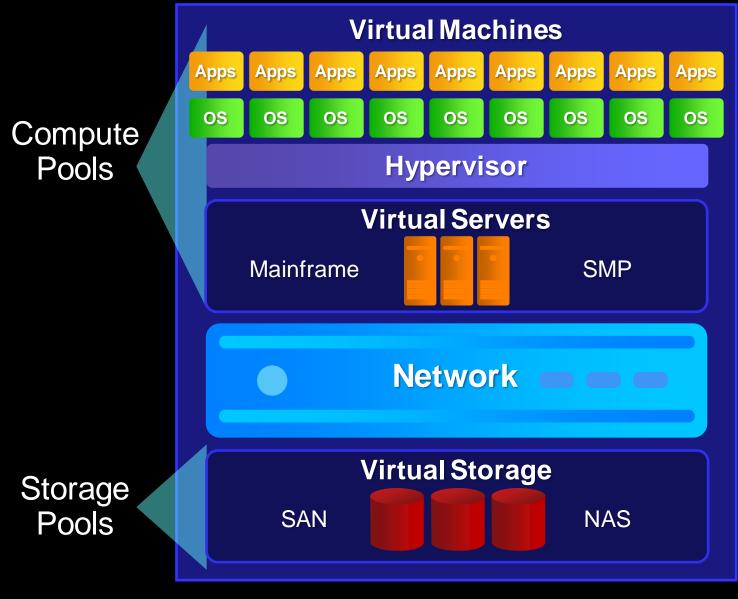


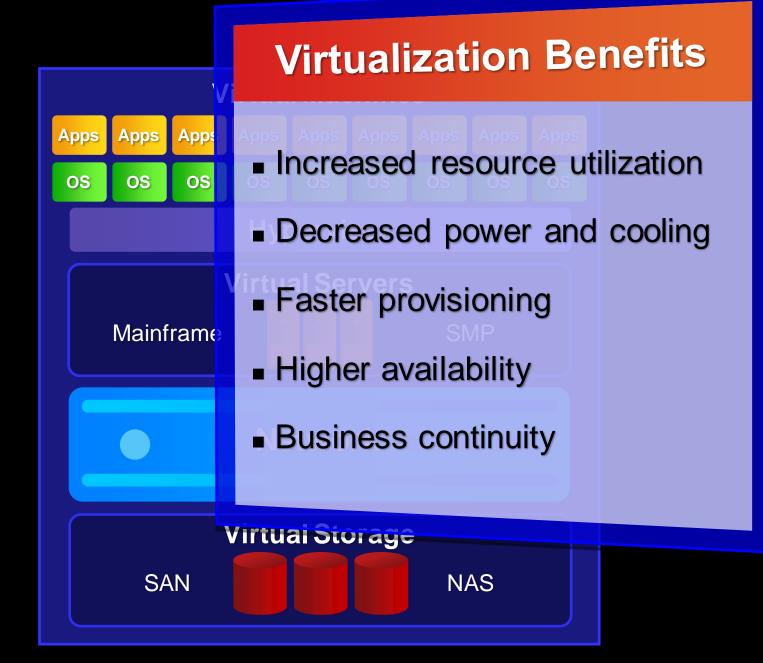
Evolution of the Internet

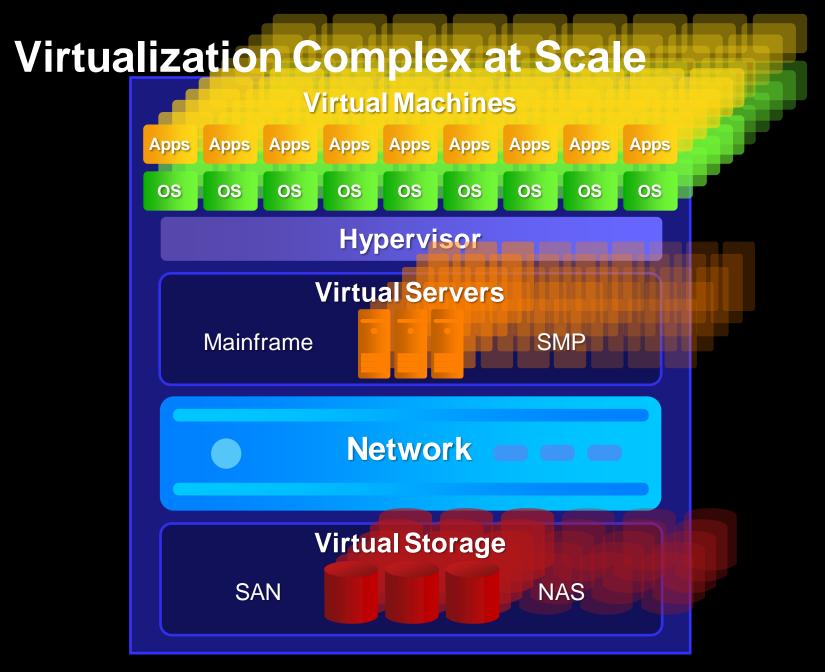


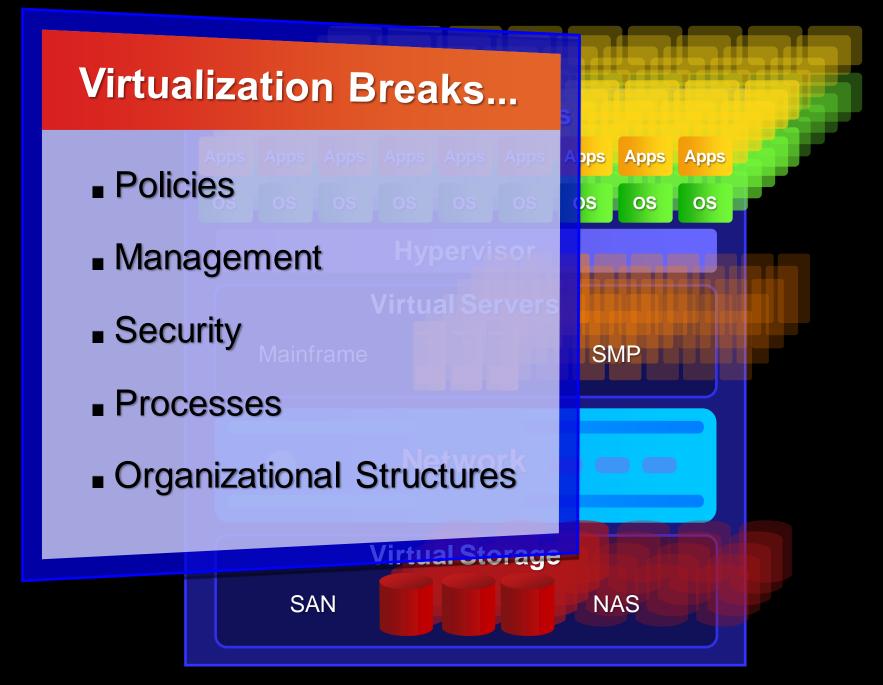


Separates Logical from Physical









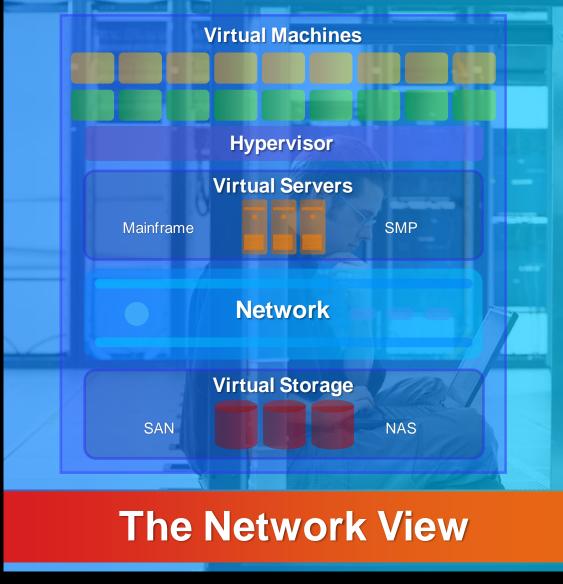
Virtualization from the Inside-Out

Network — —

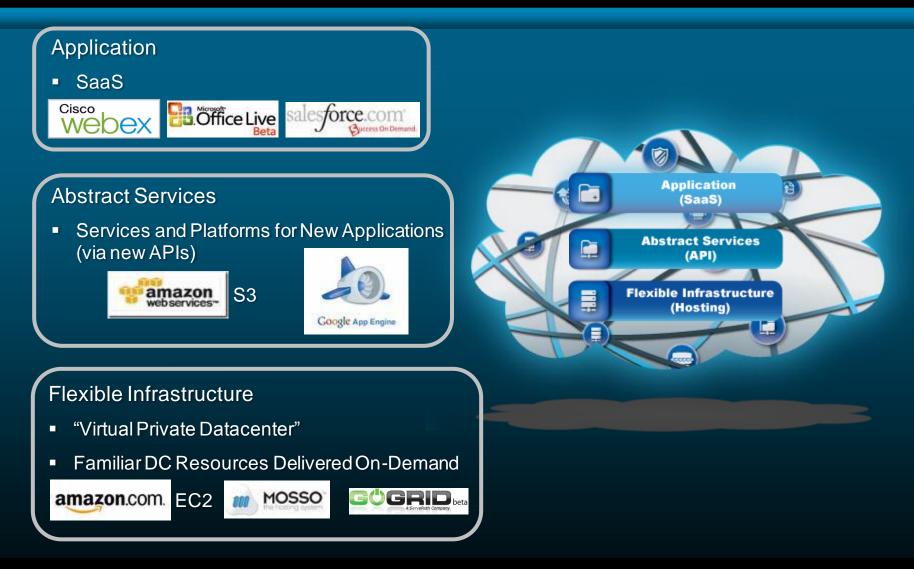
The Network View

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Bringing Transparency to Virtualization



Cloud Computing

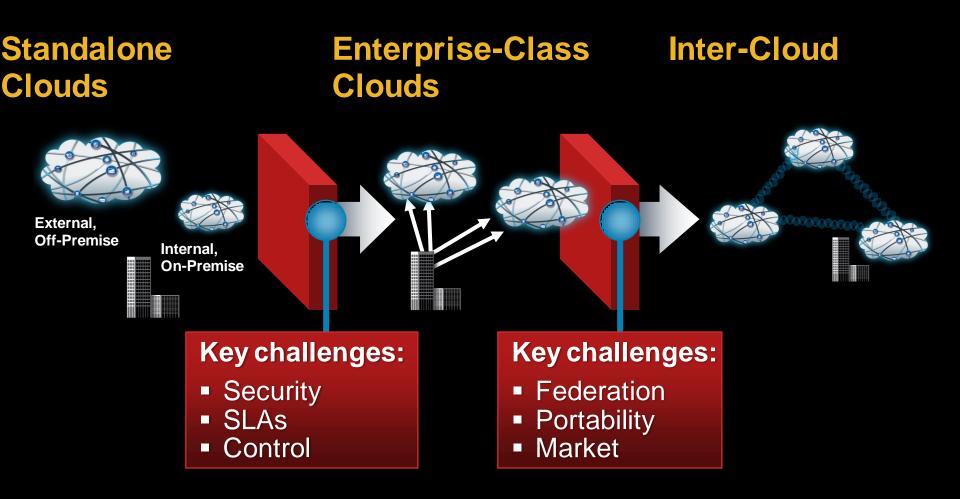


Today's Cloud Challenges

Input from Cisco Customers



Virtualization at Scale Will Drive Cloud Adoption



Vision: The Inter-Cloud

Flexible Infrastructure and a New Application Platform

Dynamic Workload Migration



Apps Integrate Services from Multiple Clouds



A Federation of Clouds Based on Open Standards:

- Naming/Discovery
- Trust
- Exchange/Peering

Key Take-Aways

Fundamental transformations in the next 5 years

The Nature of Work and Enterprise will be different

New technology and business architecture for Compute, Application and Services delivery enabled by Virtualization

Connected Life and Sustainability imperative will be key drivers for innovation

The Next Internet must be built for

Media Experiences

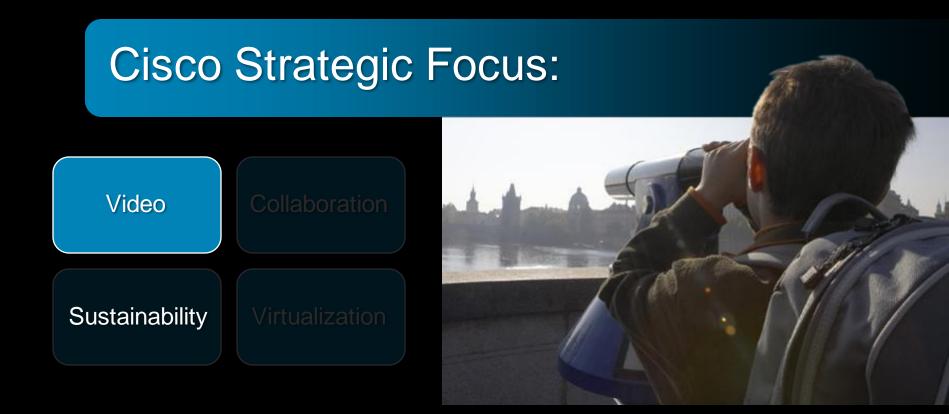
Collaboration

Sustainability

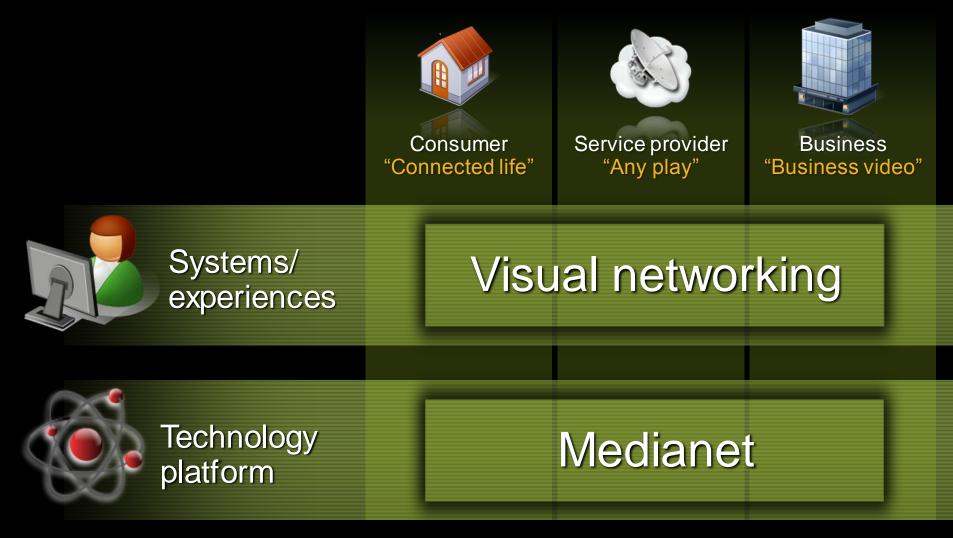
Distributed virtualized Architecture

The Network is the Platform to drive these transitions

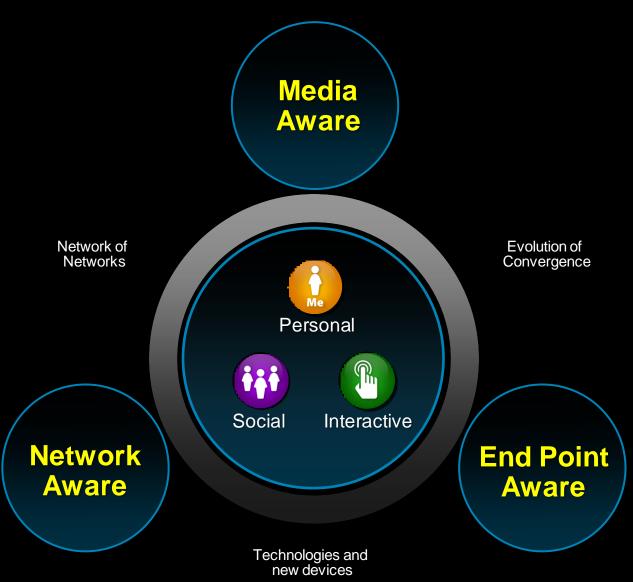




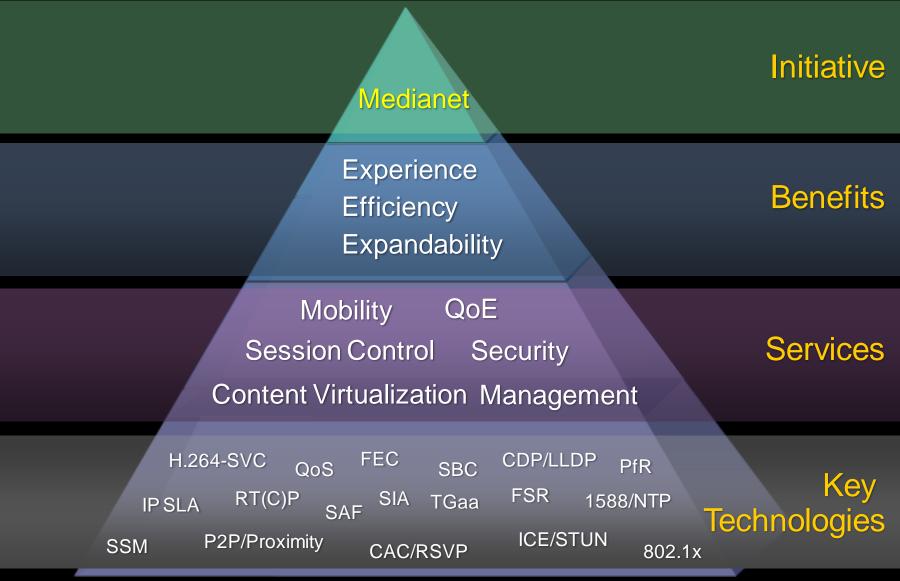
Cisco Will Lead in Optimizing Networks for Rich Media Experiences



medianet is...







Cisco's Video Strategy



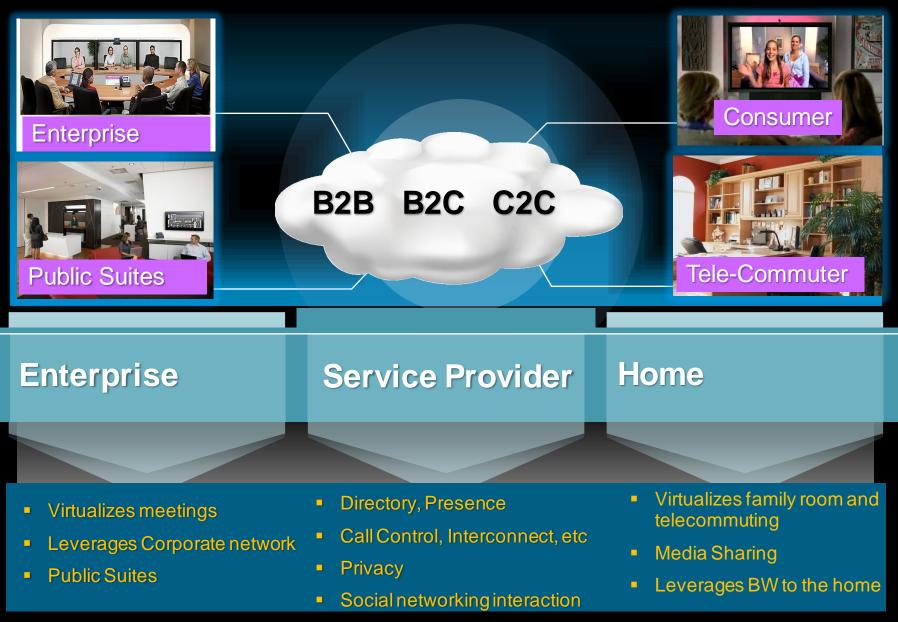
Cisco Business Video Systems





medianet

Synergy of TelePresence Solutions



Cisco Public



Collaboration Strategy

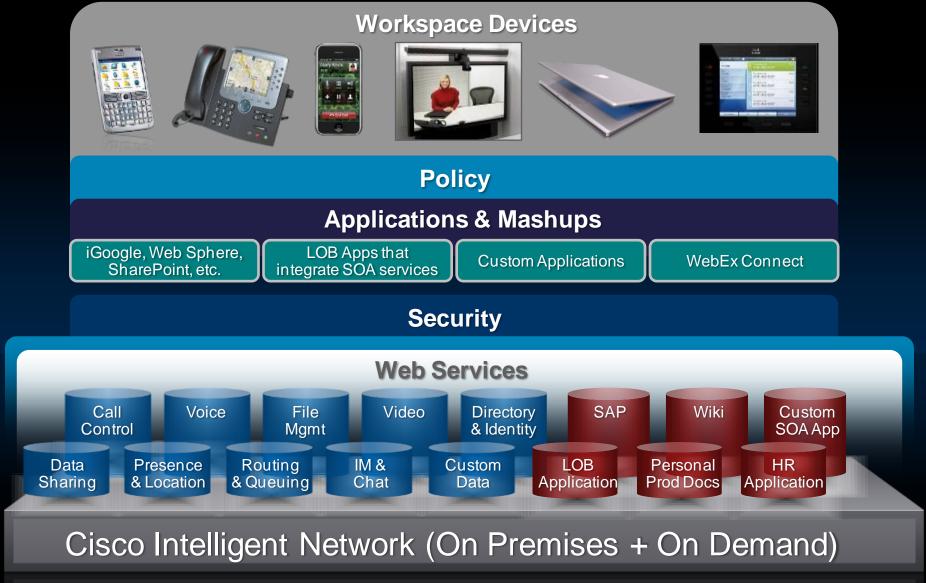


Workgroup

Cross-Functional

Inter-Company

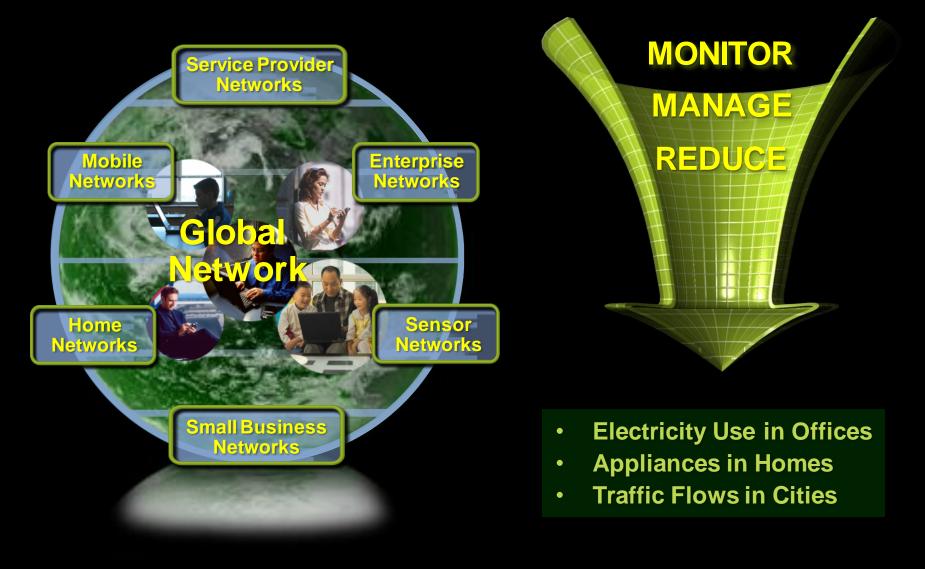
Cisco Collaboration Architectural Advantage



Cisco Public



The Network Evolves to Address Sustainability



The Information/Communications (ICT) industries account for a small part of the world's greenhouse gases.

It's the responsibility of every industry to be greener...

The opportunity for ICT is to reduce our emissions while disproportionately helping others to reduce theirs.

Green Networks Vision

Make Every Connection a Green Connection

2007: 1.32B Internet users* 1B+ connections

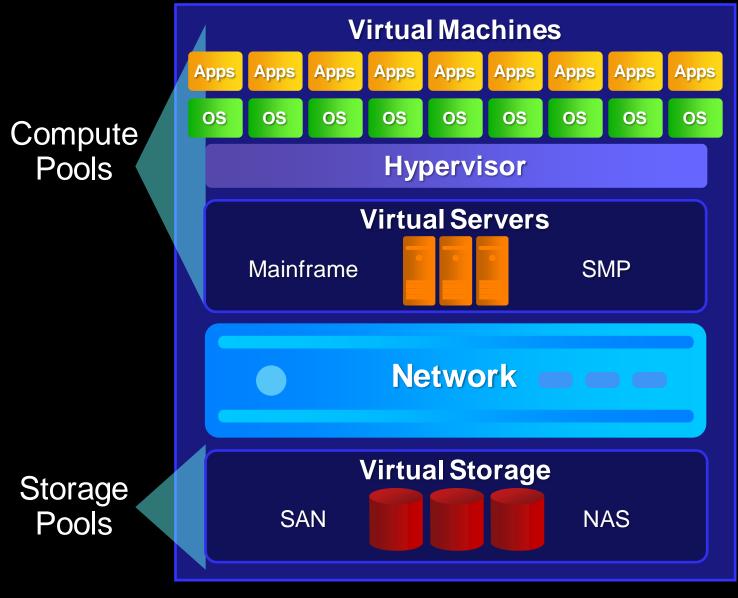
2012: 2.5B Internet users 5B+ connections

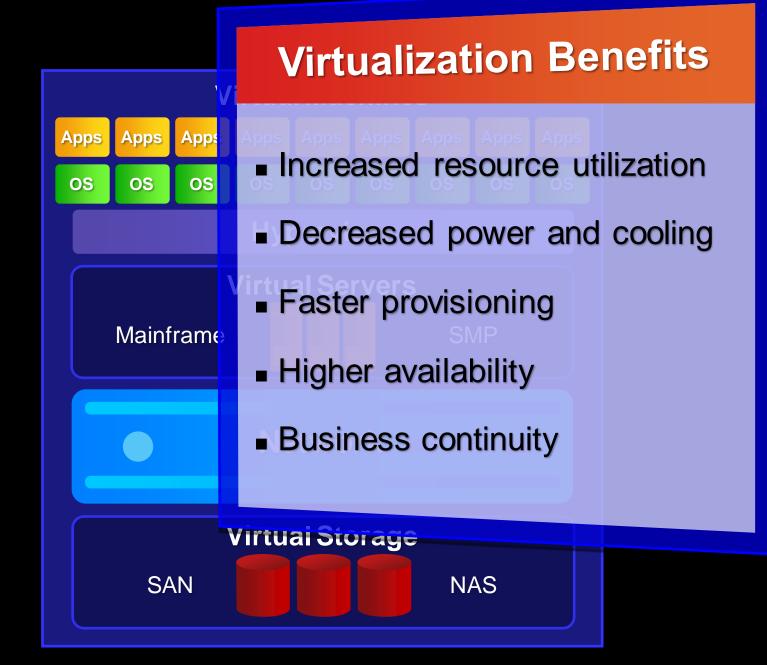
*Source: Morgan Stanley Research, ITU, Euromonitor, CNNIC, June 2008 AC_2009 © 2009 Cisco Systems, Inc. All rights reserved. Cisco Public

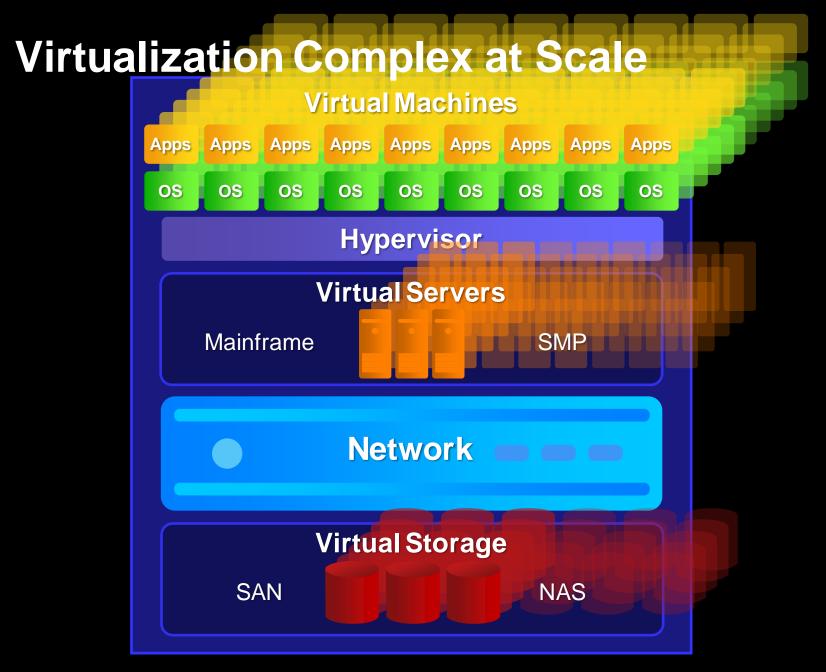
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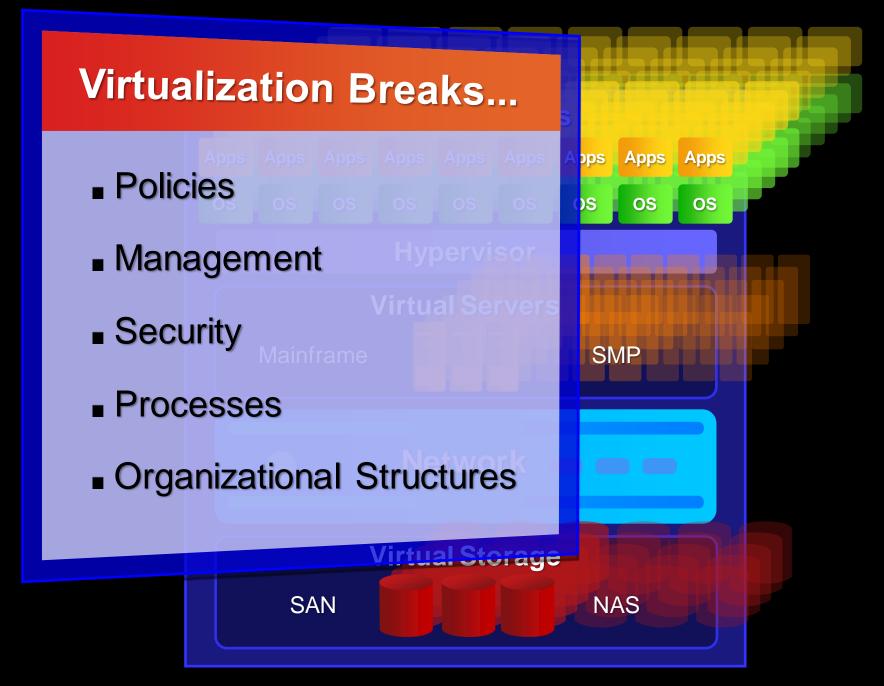


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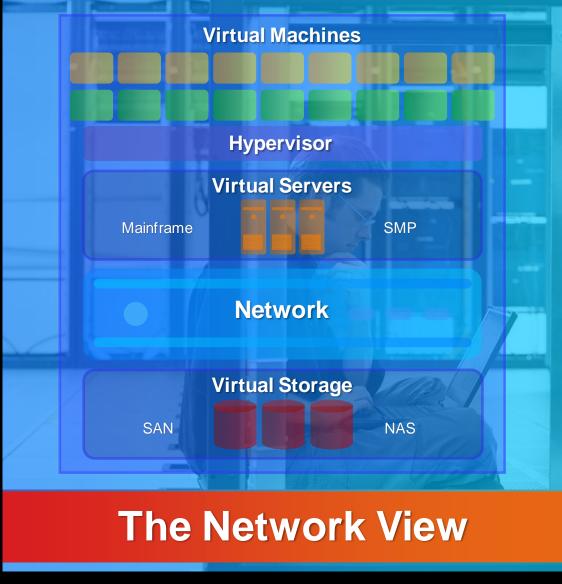
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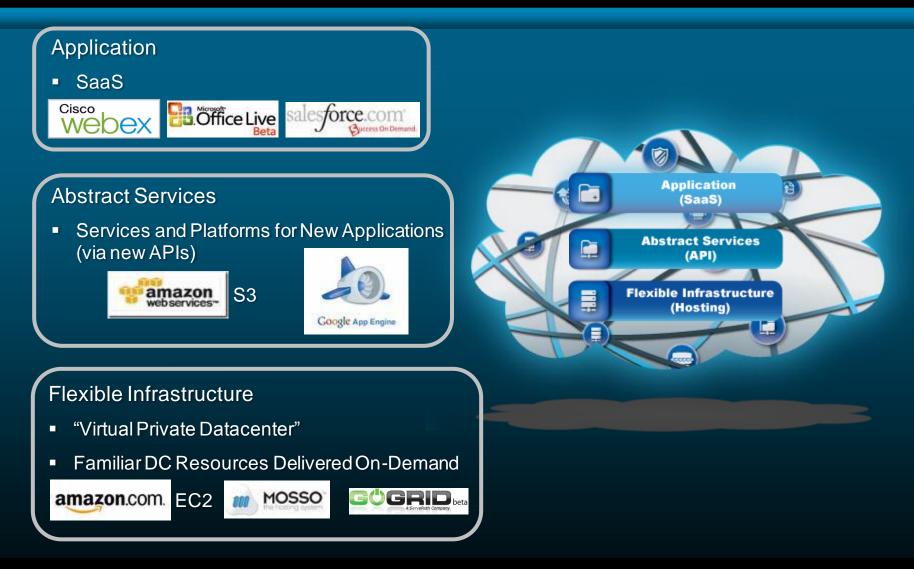
The Network View

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Bringing Transparency to Virtualization



Cloud Computing

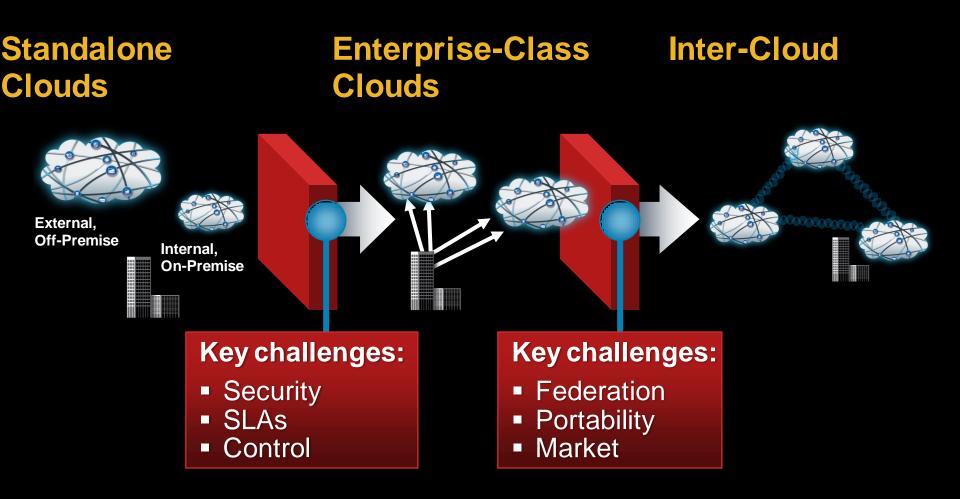


Today's Cloud Challenges

Input from Cisco Customers



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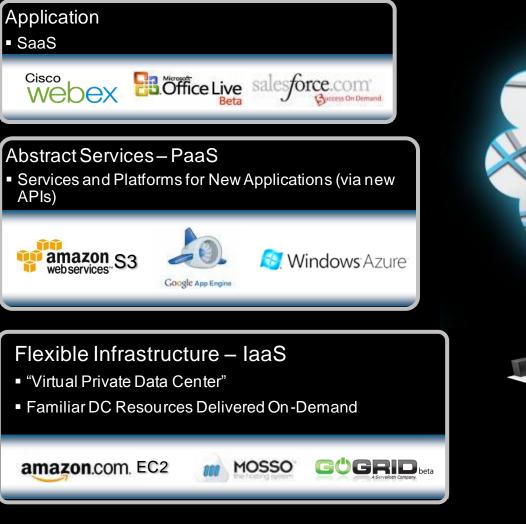
It is a Cloud Service when...

It is Auto/User provisioned

It creates an illusion of infinite resources Scale up/down Elasticity

It has a pay when you use model

Cloud Service Models

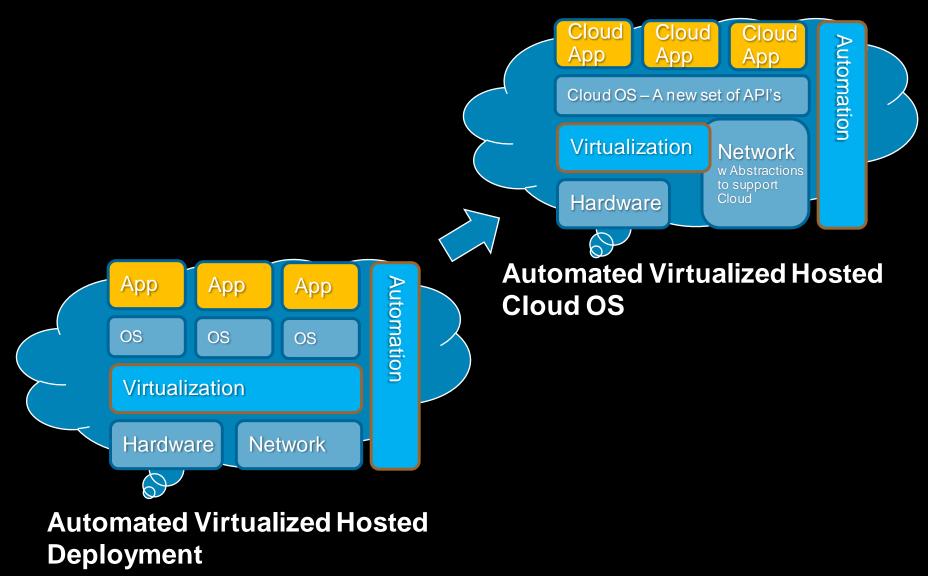


Cisco Public

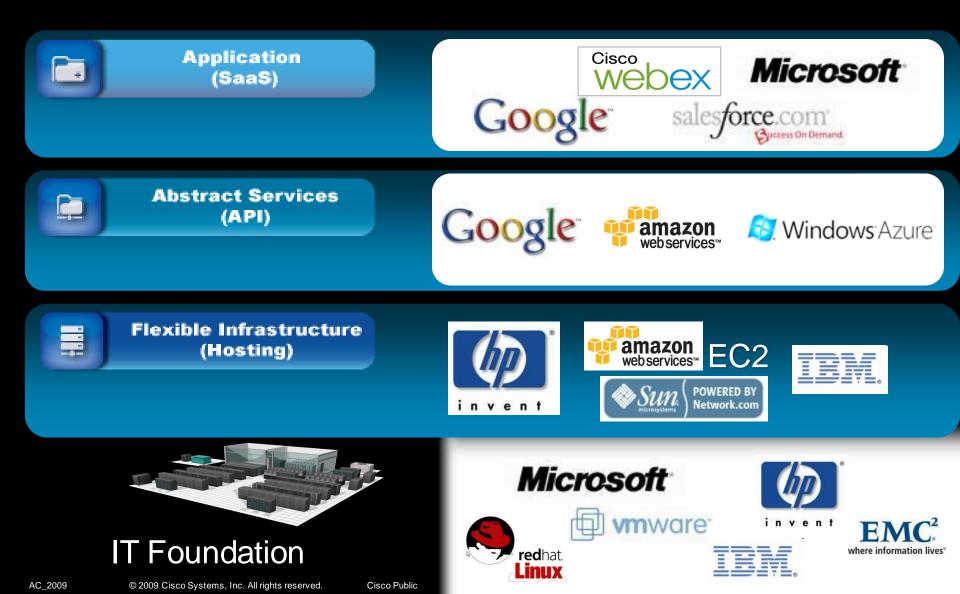
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Foundations for Cloud: Cloud OS



Landscape: Major Cloud Players

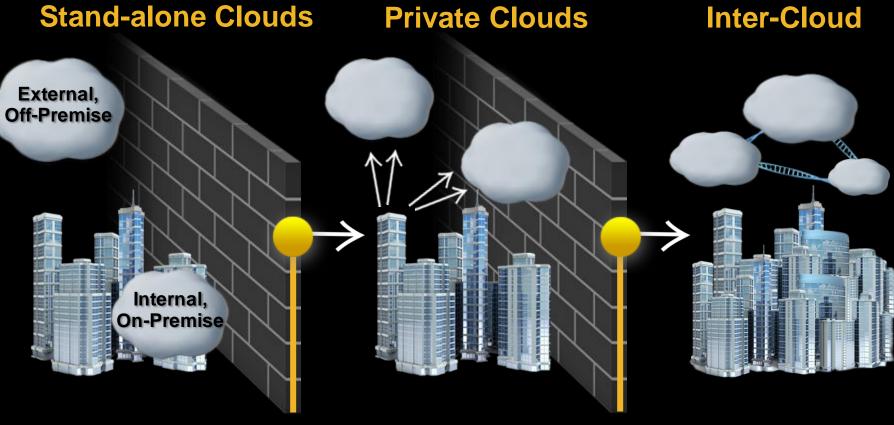


Today's Cloud Challenges

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Cloud Adoption Phases



Key Challenges:

- Security
- SLAs
- Interoperability

Key Challenges:

- Federation
- Portability
- Market

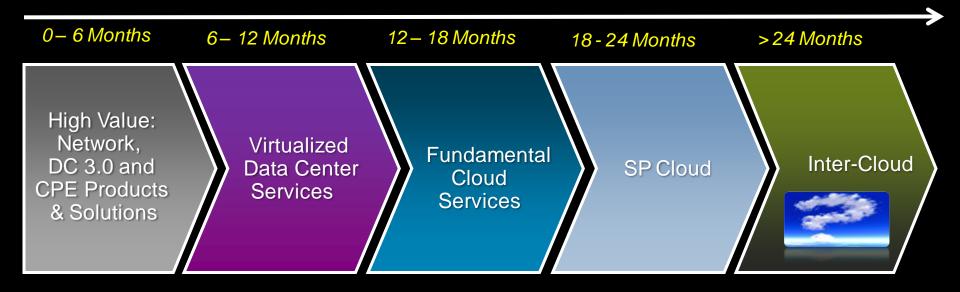
Cisco Cloud Strategy

Deliver infrastructure to Enterprises to build their own "Private Clouds"

Enable Service Providers to deliver Infrastructure-as-a-Service (Virtual Private Cloud Services)

Deliver "Cloud Services" to customers (WebEx, IronPort, PostPath)

Cloud Market Transitions



Managed DC to Cloud Market Maturity

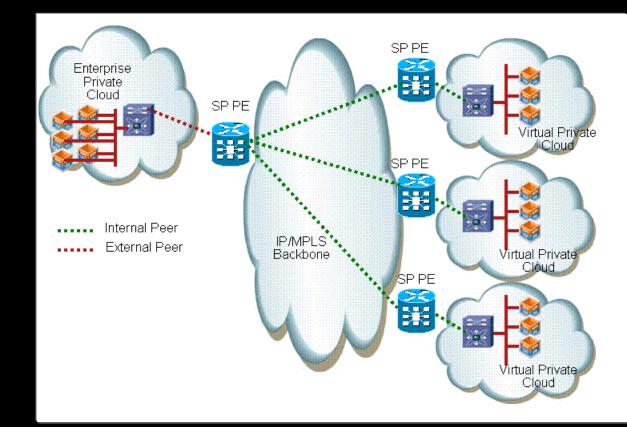
Total Addressable Market

Now is the Time to Pursue this Business Vigorously

Network Virtualization Uses

- Enterprise
 leverages SP Cloud
 to acquire Compute
 resources
- Connectivity must be transparent and secure

 Virtual machines co-exist in the Private Cloud and Virtual Private Cloud



Collaboration Strategy

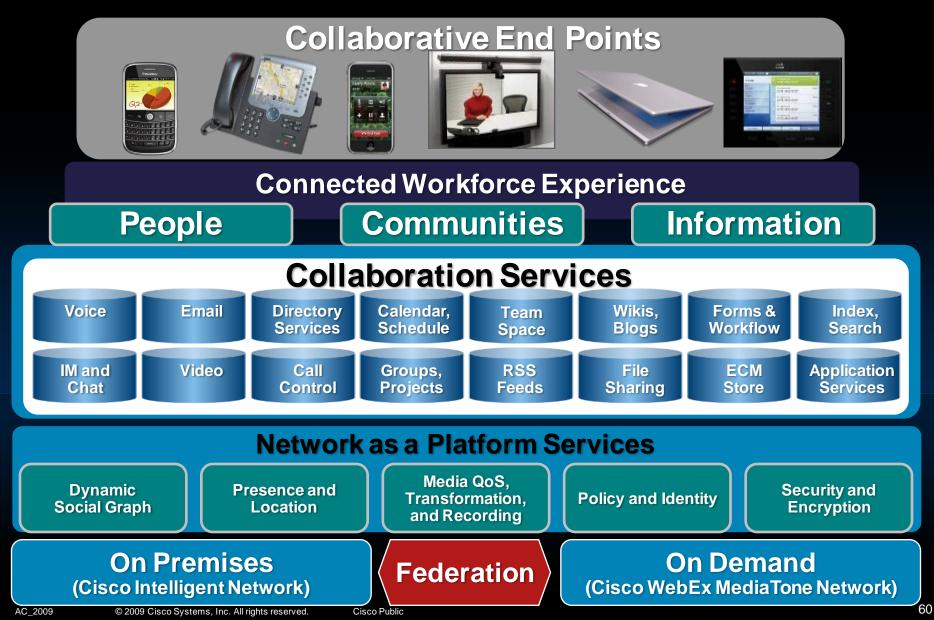


Workgroup

Cross-Functional

Inter-Company

Cisco Collaboration Architecture



NSP Move Into IT Services Encounters Shifting Sands

