

vForum 2014 - Your Datacenter's Evolution is here

Chris Wolf

9/14/2014

vmware®

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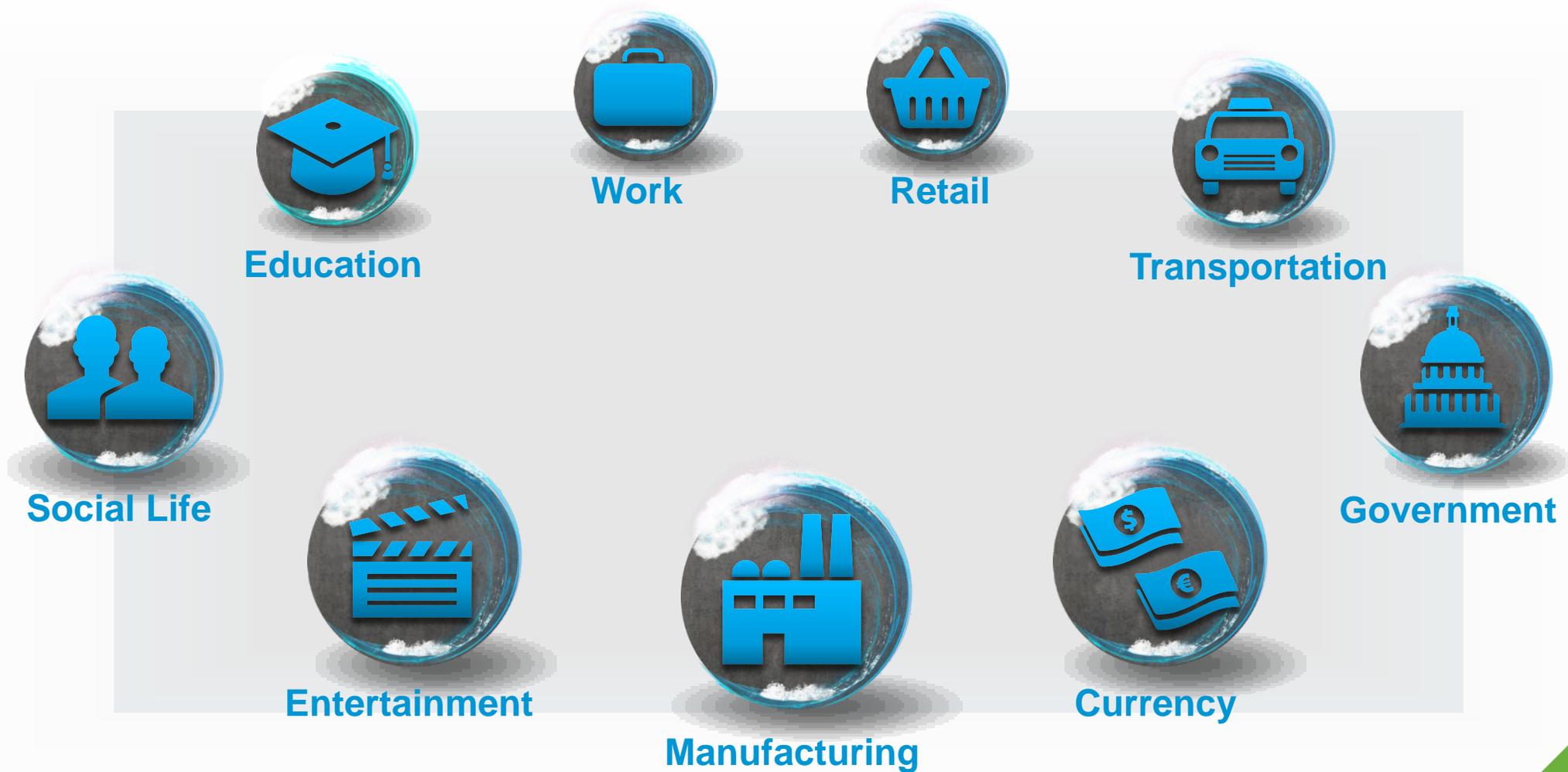
Forward-Looking Statements

This presentation includes forward looking statements that are subject to risks and uncertainties. Actual results may differ materially as a result of various risk factors, including those described in the 10-K's, 10-Q's and 8-K's VMware files with the SEC.

A Liquid World



An Increasingly Liquid World



From Rigid Structures to Liquid Business

THEN

Known

Owned

Methodical Planning

Slow

Millions

“Built to Last”

Competition

Assets

Innovation

App Deployment

Customers

Organization

NOW

Unpredictable

Shared

Rapid Iteration

Instant

Billions

“Built to Change”

Today's Reality: Stuck in Silos

Traditional Apps

IT

On-Premises

Safe, Secure,
and Compliant

Vs.

Vs.

Vs.

Vs.

Cloud-Native Apps

Developers

Off-Premises

Instant, Elastic,
and Self-Service





COMMUNITY
CHEST

MEDITER-
RANEAN
AVENUE

COLLECT SALARY
\$200
75% COL PASS



PRICE \$400

The Power of “AND”

Traditional Apps	&	Cloud-Native Apps
IT	&	Developers
On-Premises	&	Off-Premises
Safe, Secure, and Compliant	&	Instant, Elastic, and Self-Service

**Liquid IT is
Software-Defined**

SDDC Delivers Unparalleled Flexibility

Software Defined
Data Center (SDDC)

Inter- Data Center

Cloud IaaS

Any Application

Any Application

Any Application

SDDC Platform
Data Center Virtualization



Any x86

Any x86

Any x86

Any Storage

Any Storage

Any Storage

Any IP network

Any IP network

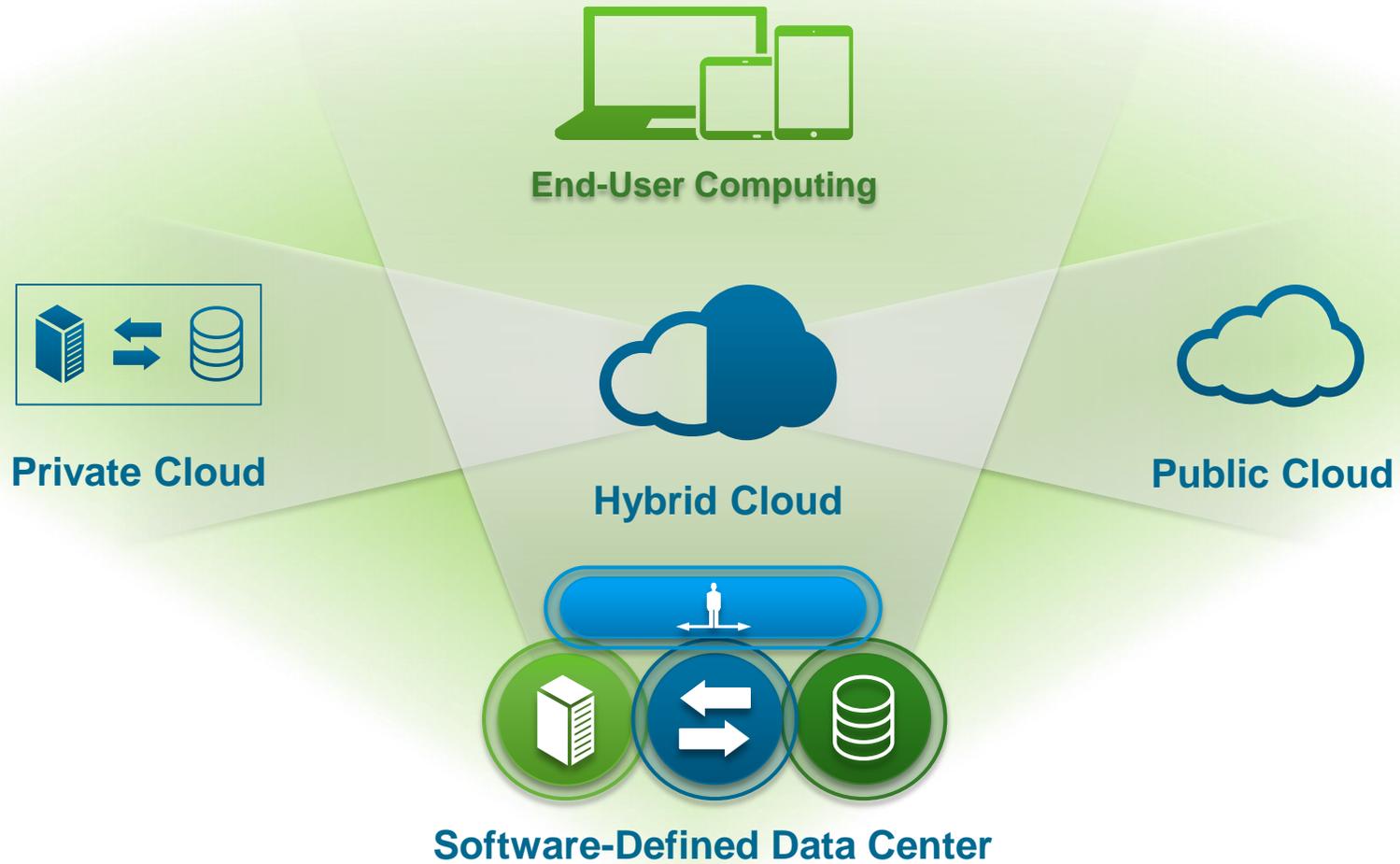
Any IP network

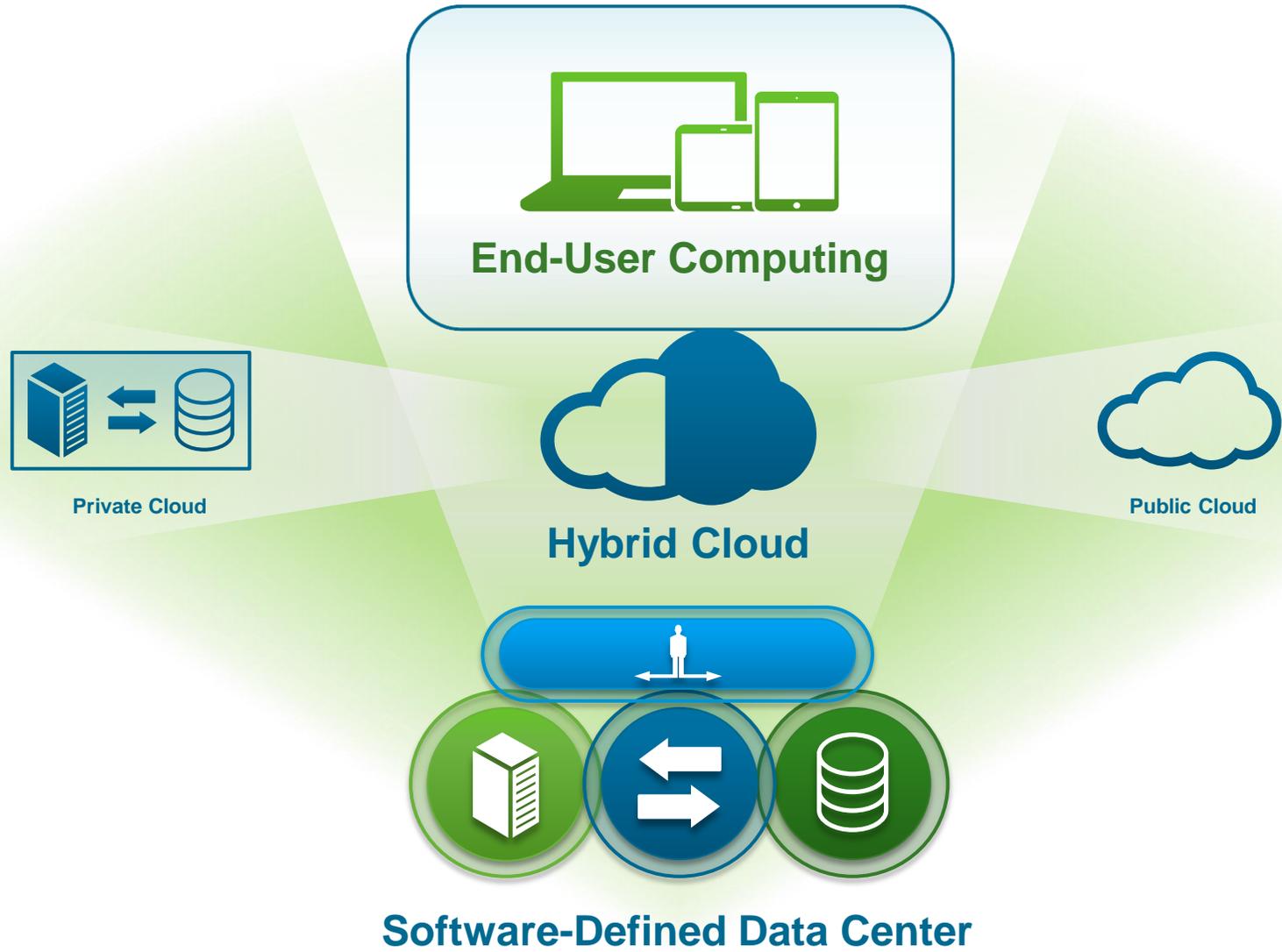
Centralized management

Seamless portability

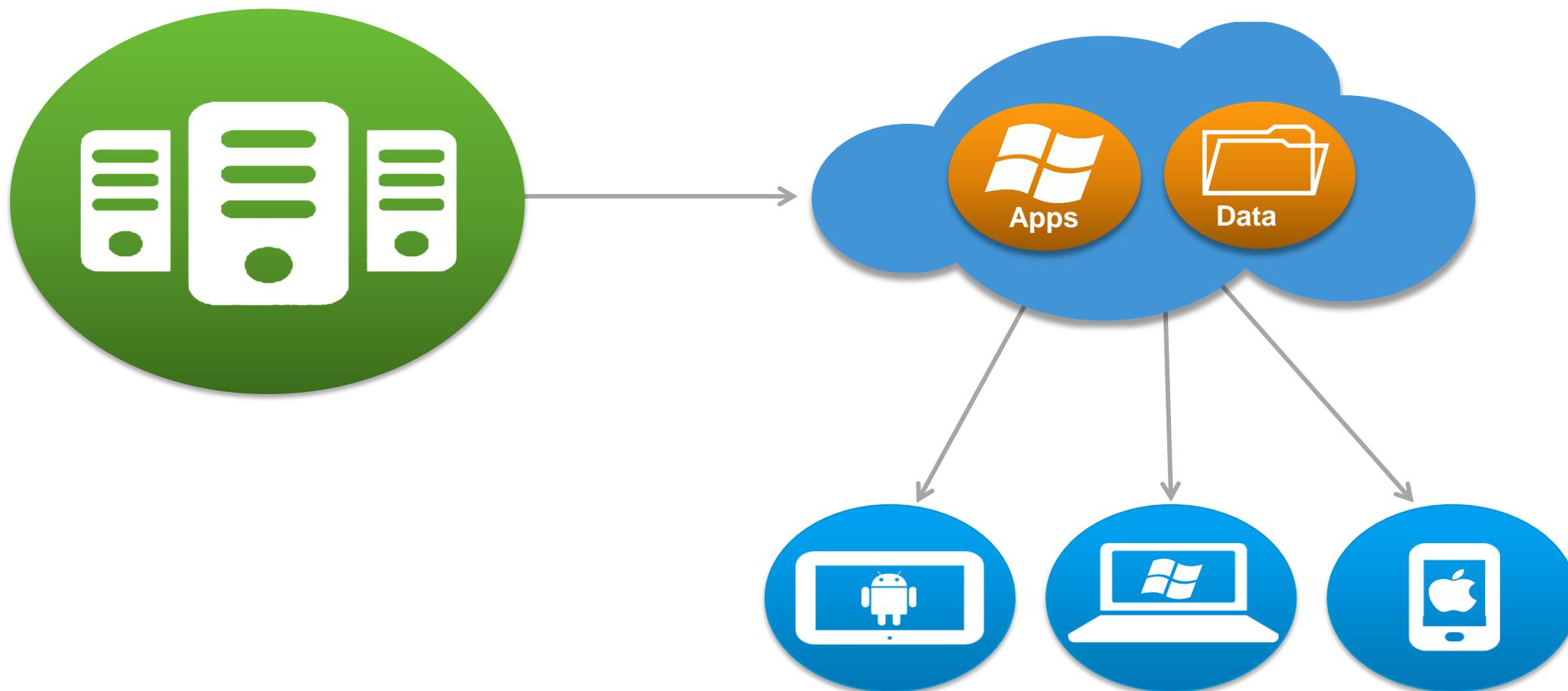
Unrestricted choice

The Path to the Software-Defined Enterprise

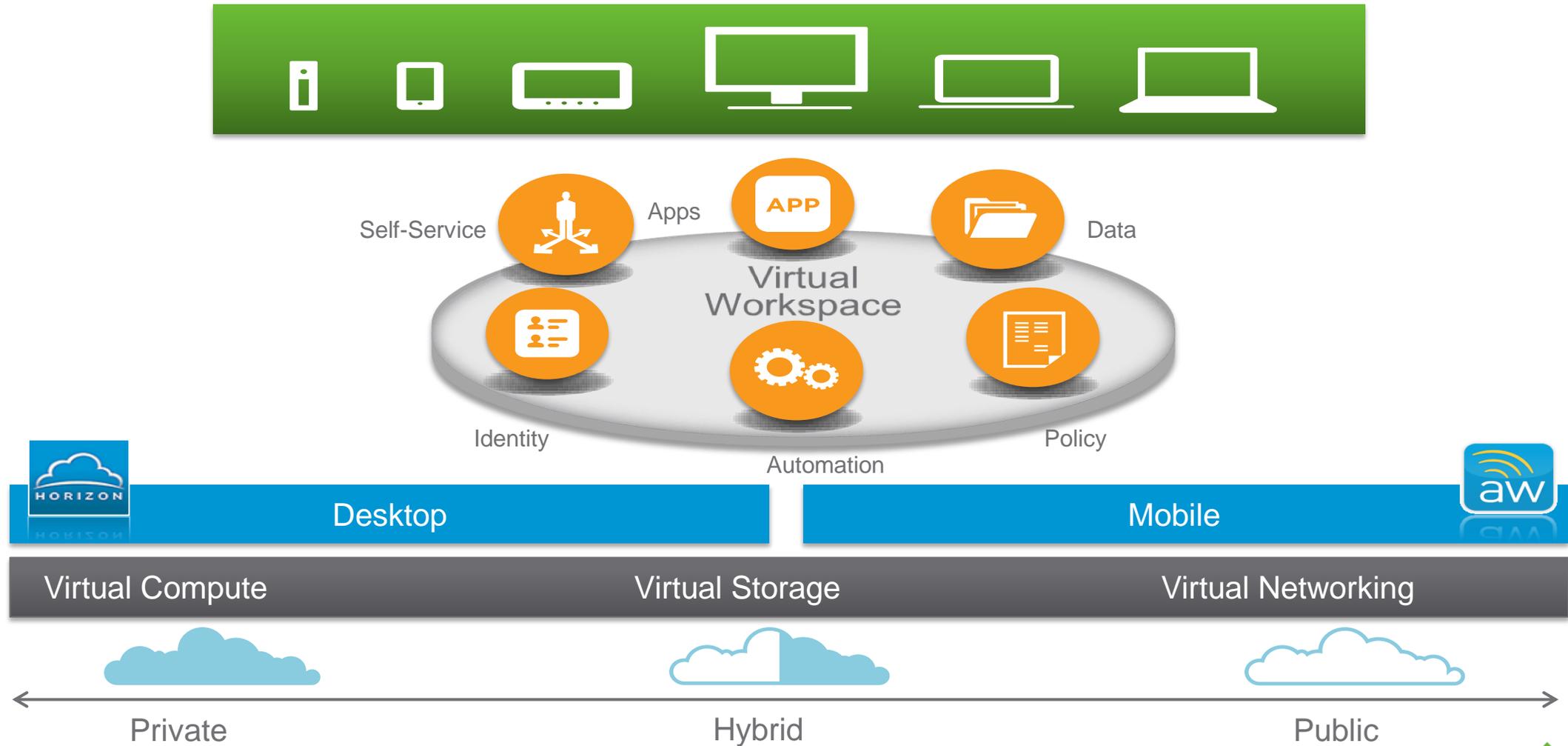




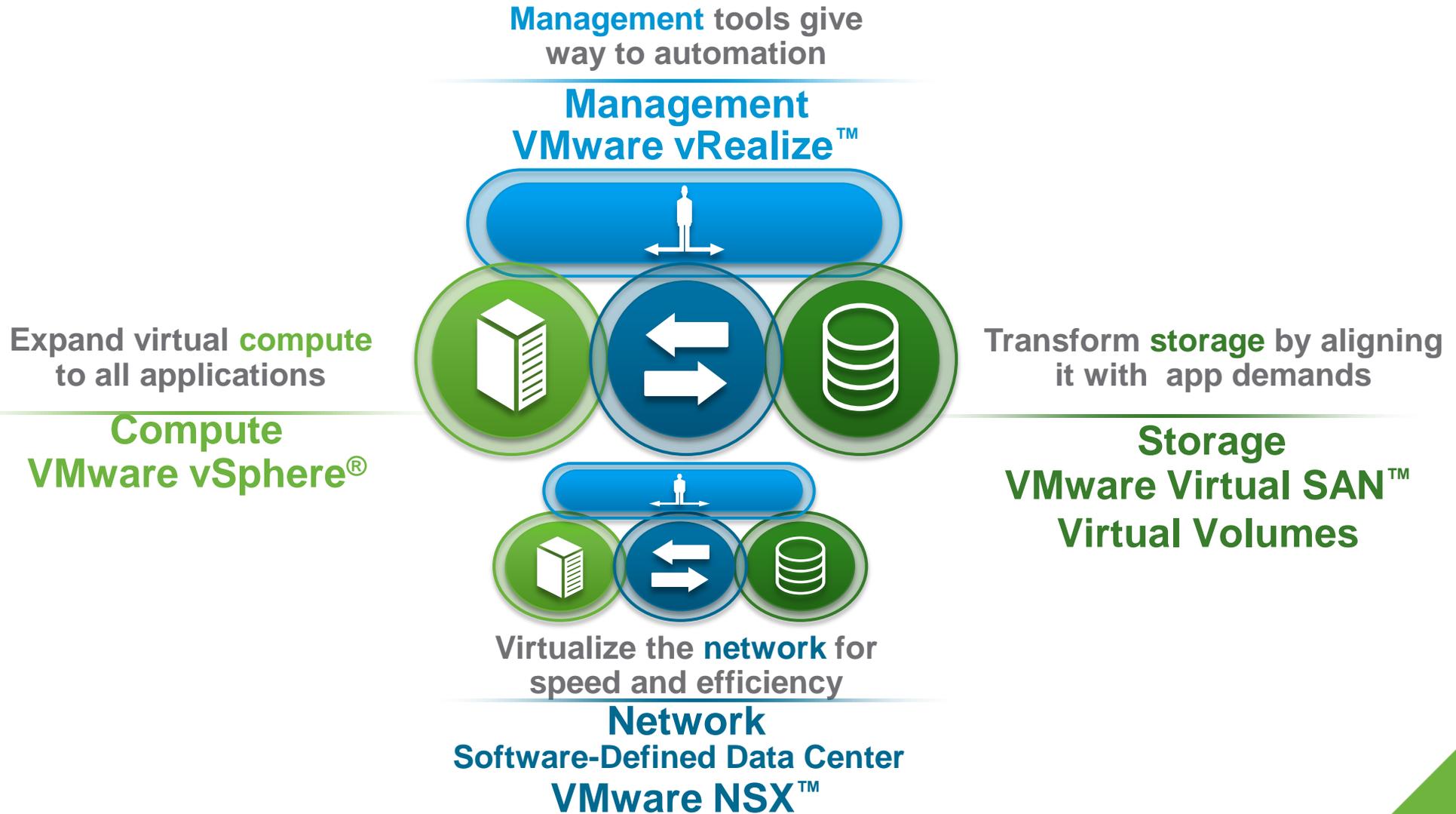
From Client/Server to Mobile/Cloud



These Challenges Require a Different Approach



Software-Defined Data Center



**Major Challenge
Requiring Brave Leadership:**

Networking & Security

AT&T 4G 10:40 AM 100%

Pat Gelsinger

calling work...



mute



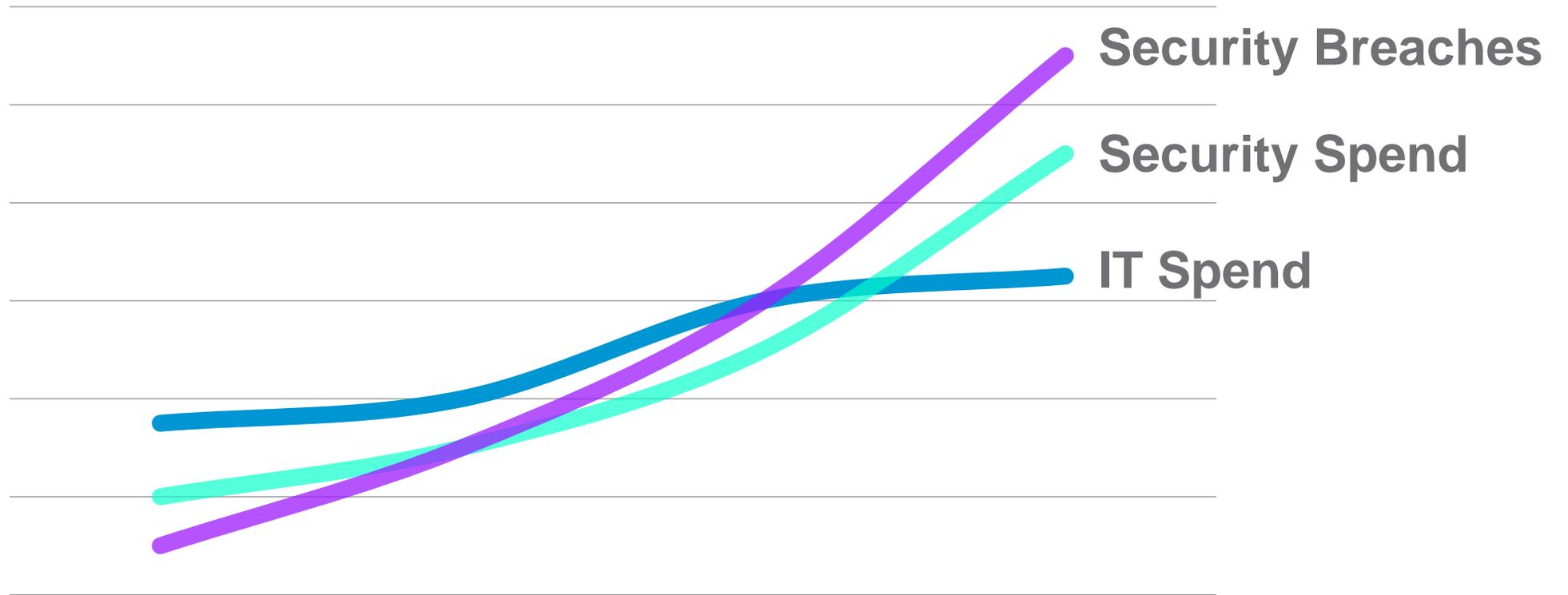
keypad



speaker

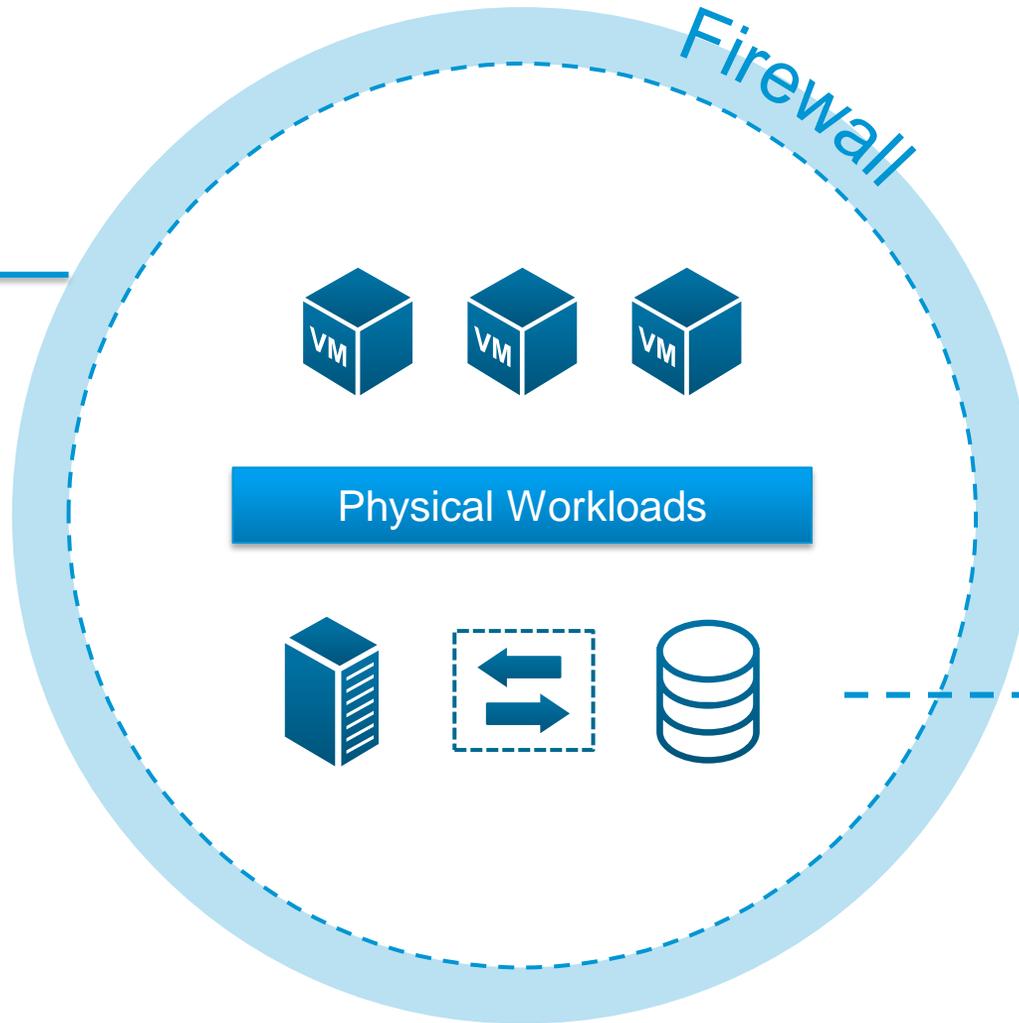
A Picture of Diminishing Returns

The only thing outpacing security spend is security breaches

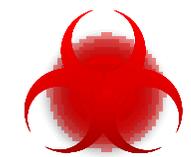
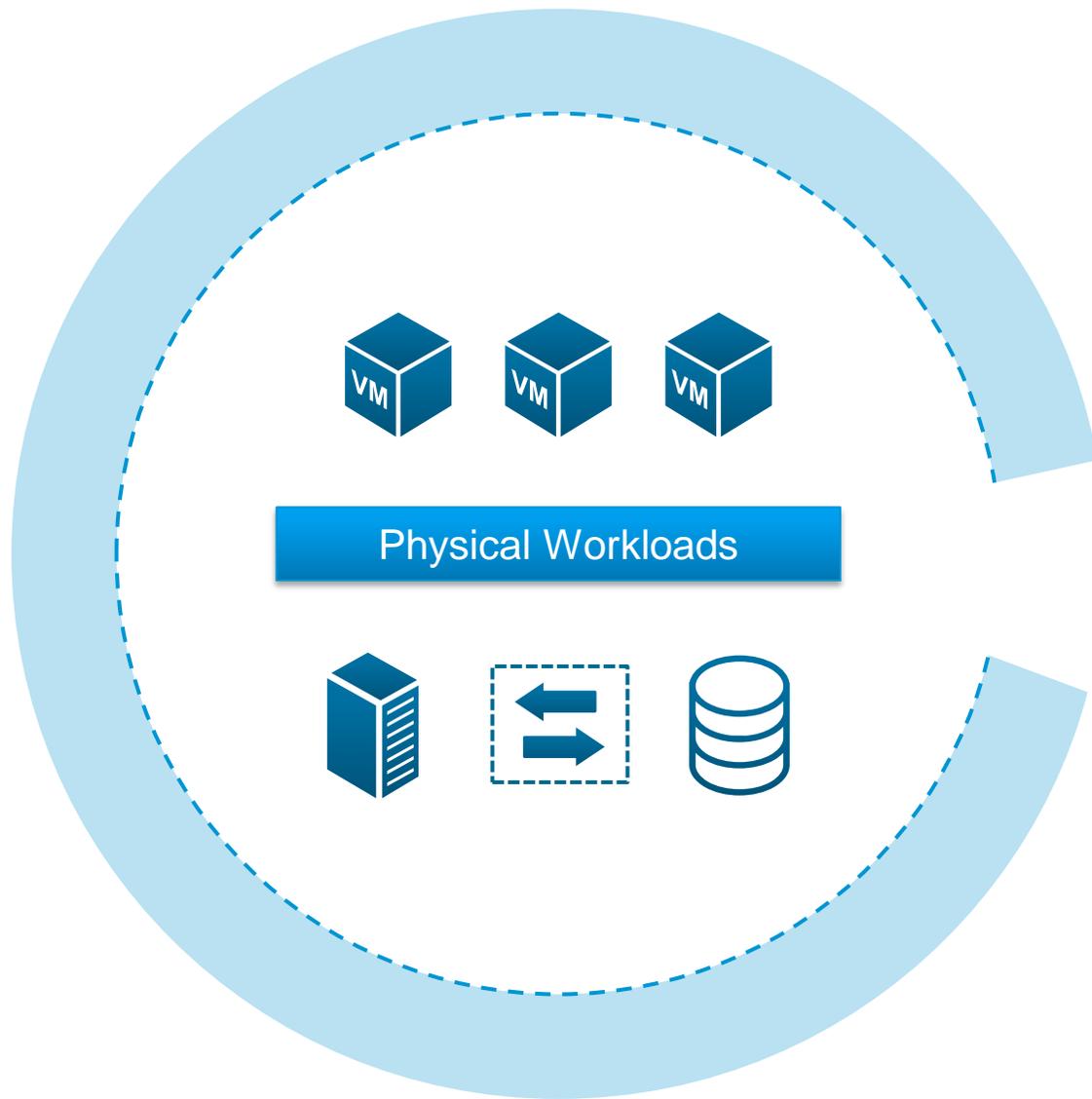


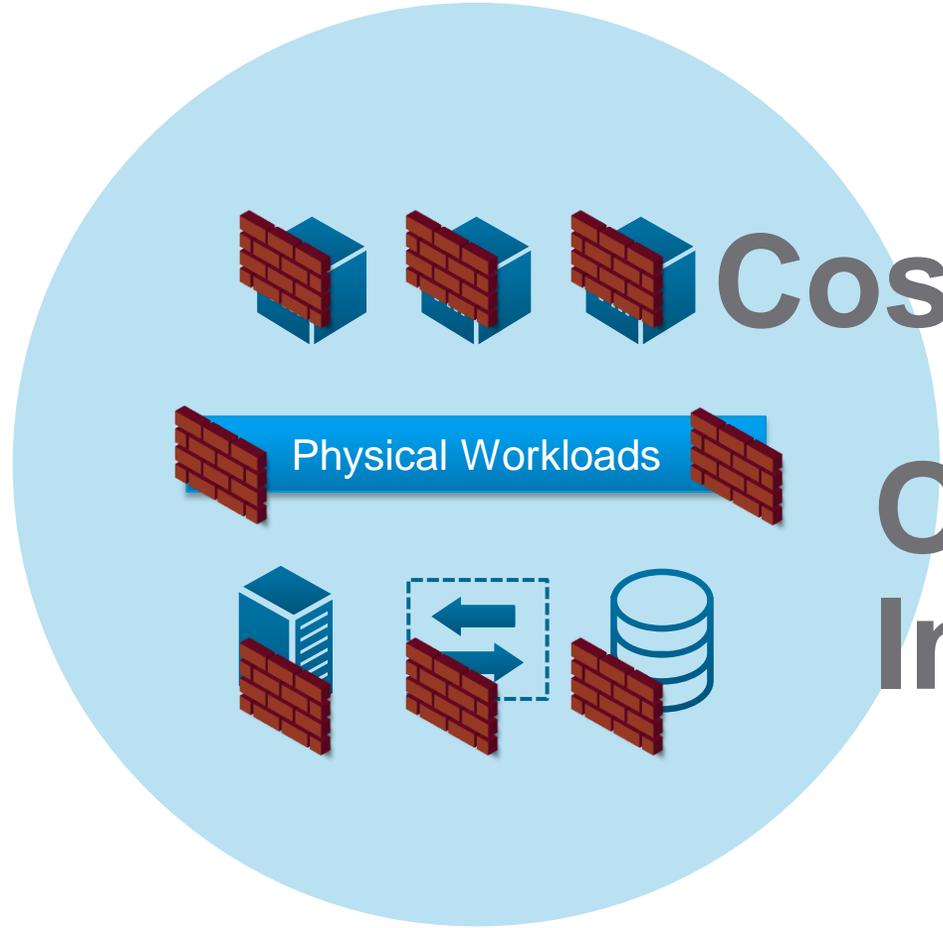


“Hard & Crusty
on the Outside”



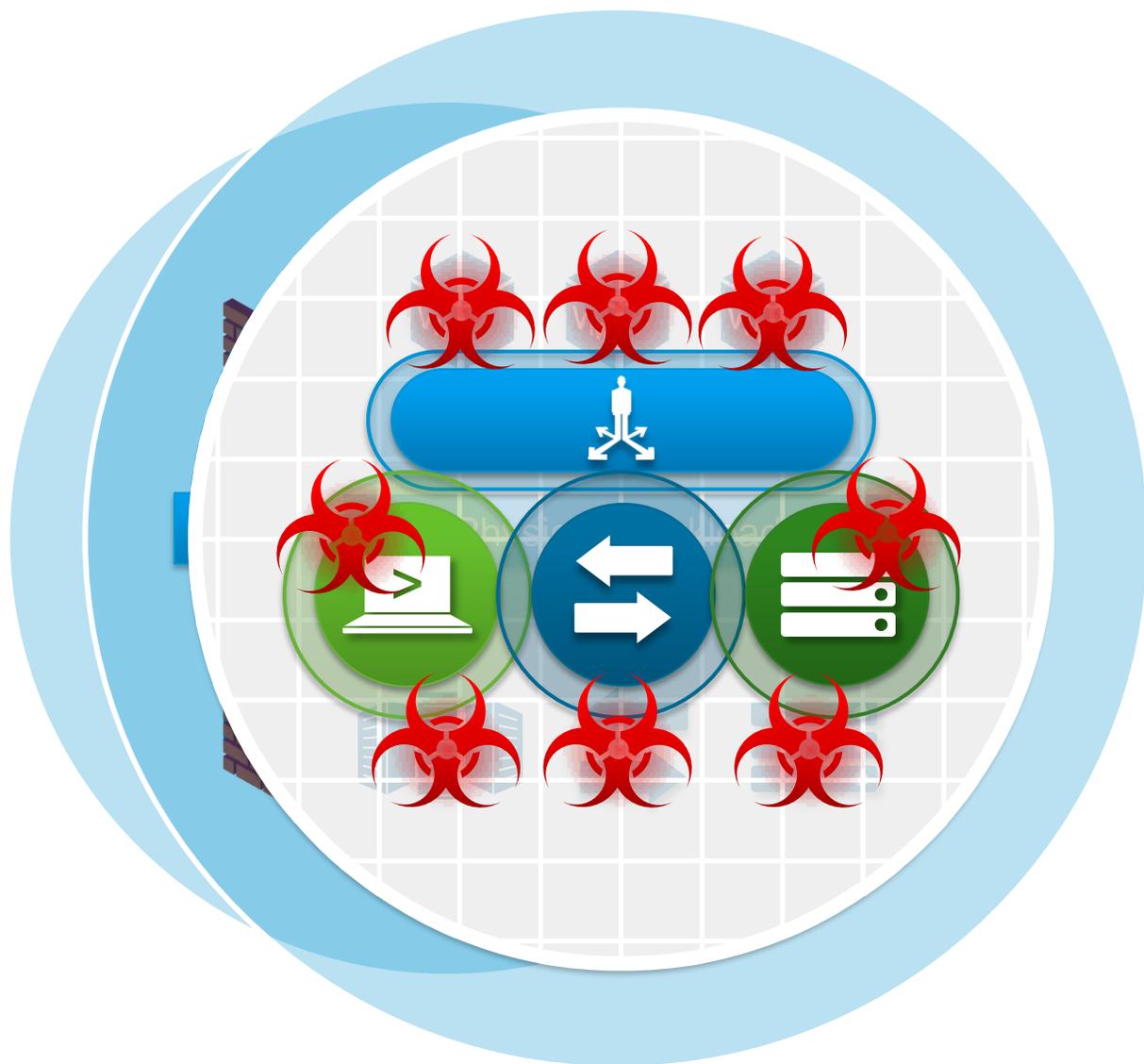
“Soft & Gooney
on the Inside”





Cost Prohibitive

Operationally Infeasible



Software-Defined Data Center and NSX

Enabling a Major
Breakthrough in IT
Security:

Micro-Segmentation

**Major Challenge
Requiring Brave Leadership:**

Building the SDDC

3

Principles

Agile

Available

Inexpensive

Comparing Public and Private Clouds

Public Cloud

Private Cloud

Low-cost commodity x86 physical infrastructure (storage, servers, network)	High cost traditional x86 physical infrastructure (storage, servers, network)
Homogenous virtual infrastructure layer	Heterogeneous virtual infrastructure layer
Purpose-built management stack	Traditional management stack or purpose-built stack that integrates with traditional components

Goals: Agile, Available, and Inexpensive

Challenges in Making SDDC Happen

Setup

- Understand where to begin
- Organizational structure and process changes
- Design a reference architecture
- Procure components from different vendors
- Time investment before first VM deployment



Provisioning

- Make disparate infrastructure nodes (compute, storage and networking) work together
- Lack of automation and tools for workload provisioning and deployment
- Many points of control



Lifecycle Management and Support

- Troubleshooting
- Support calls to multiple vendors
- Business interruption during patching and upgrades



VMware Provides Choice to Customers

“Build Your Own”

- Maximum customization and flexibility (hardware selection, scalability)

Converged Infrastructure

- Ease of procurement
- Custom fit to environment
- No limitations on scalability
- One support call

Hyper-Converged Infrastructure

- Ease of procurement via prescriptive approach
- Design predictability
- Faster time to deployment
- Simplified SDDC lifecycle management
- One support call

Introducing the VMware EVO Family

Simplify How You Buy, Deploy and Operate Your SDDC

- EVO software with vSphere and Virtual SAN technology is the key enabler
- Preconfigured, pre-integrated SDDC stack offering from pre-qualified EVO partners
- Simple, streamlined deployment and ongoing SDDC lifecycle management



TOR Switch

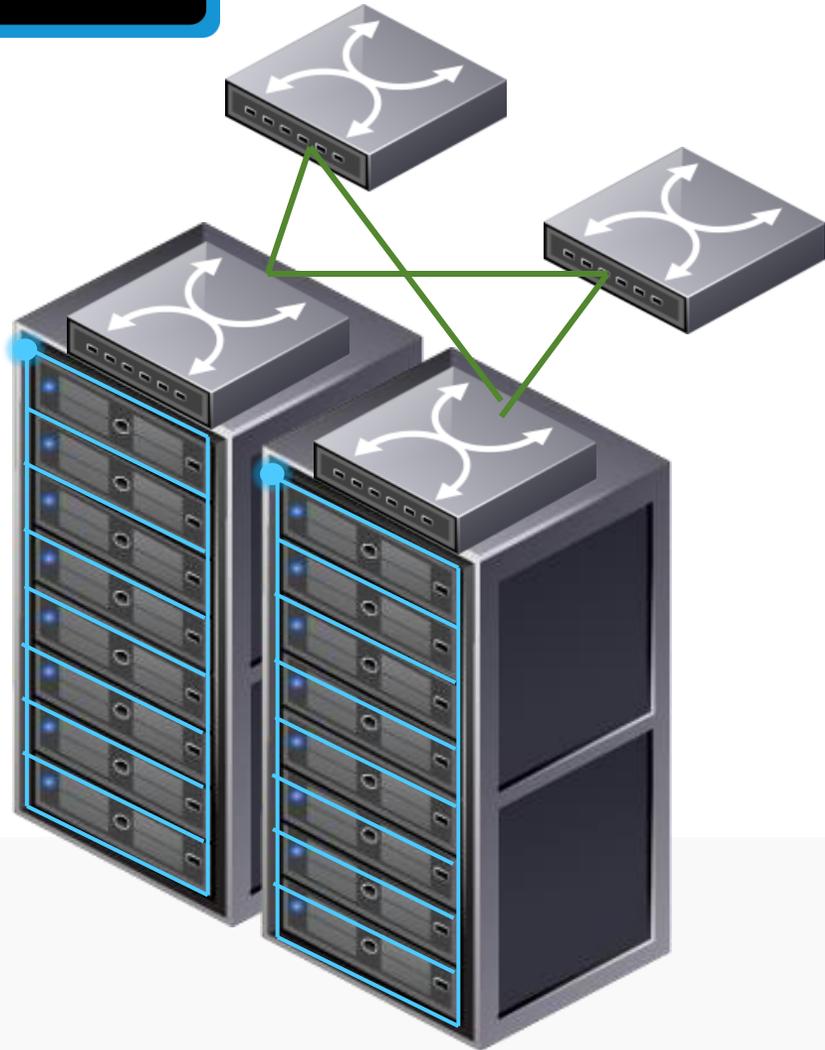


Hyper-Converged Infrastructure Appliance (HCIA)

Key Features

- Prescribed 2U/4N platform from qualified partners
- Automated scale out up to 4 HCIA's
 - General Purpose Server workloads ~100 VMs per HCIA
 - VDI ~250 VMs per HCIA
- Time to value to first VM in minutes
- Non disruptive patch & upgrade
- Primary use cases:





Key Features

- Data Center-Scale Hyper-Converged Infrastructure from Pre-Qualified Partners
- Management:
 - Simplified SDDC deployment, configuration, and provisioning
 - SDDC lifecycle – non-disruptive patching/upgrading
 - SDDC-wide capacity planning
 - Integrated management of both logical and physical resources
 - Configuration and provisioning of end-to-end network infrastructure
- SDDC up and running in under 2 hours
- Primary use cases:



VMware EVO - Key Benefits and Primary Use Cases

Preconfigured, Pre-Integrated SDDC Stack

Design Predictability

Faster Time-to-Value

Simplified SDDC Lifecycle Management

Highly Scalable



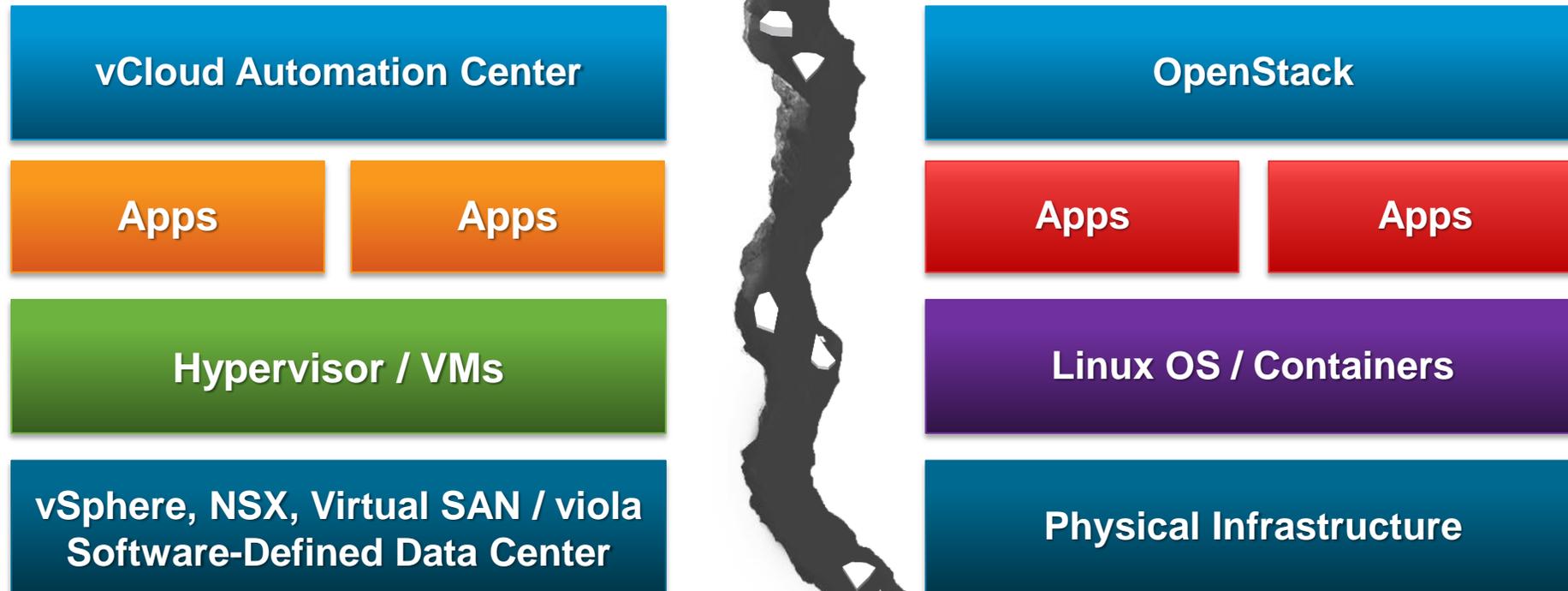
Currently in Plan

Future – roadmap

Primary Use Cases



Challenge: Separate Platforms for IT & Developers



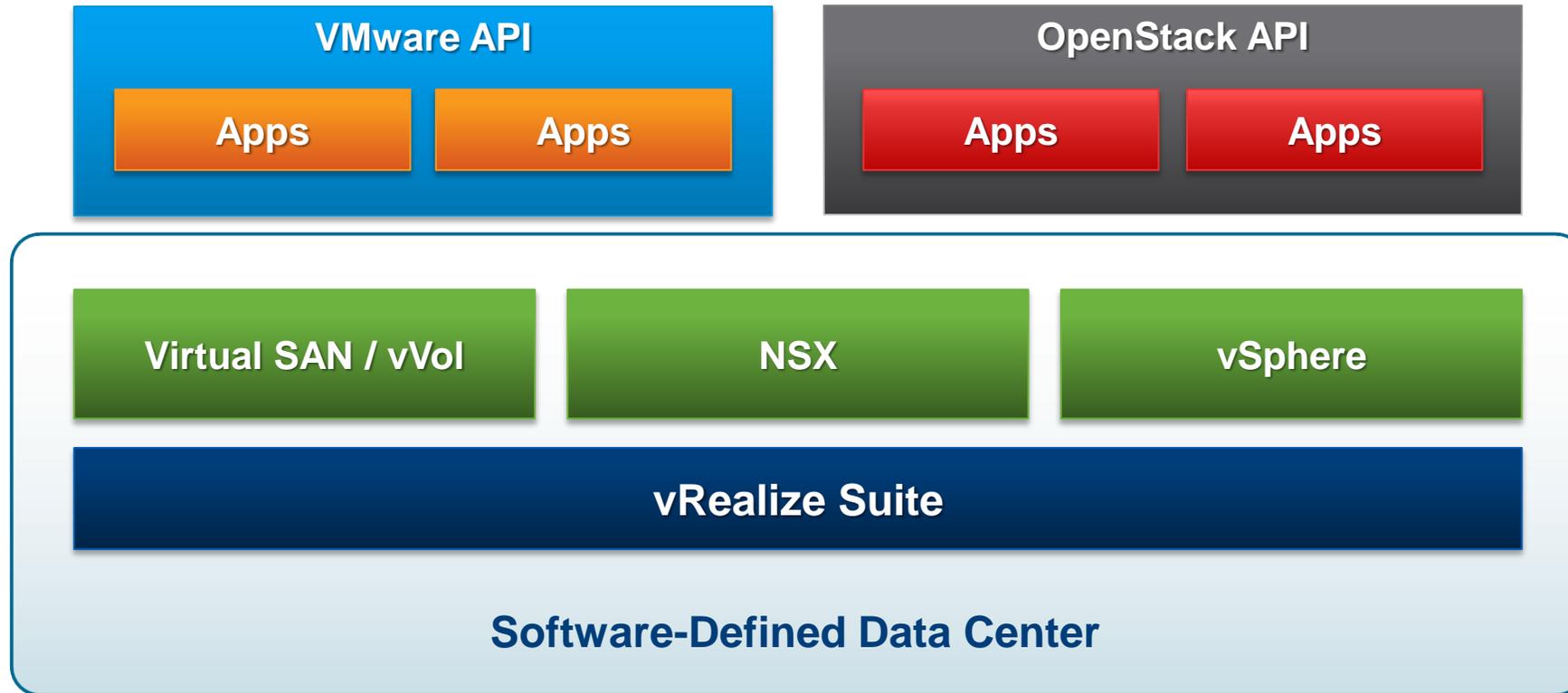
VMware Integrated OpenStack



& vmware®

Now in Beta

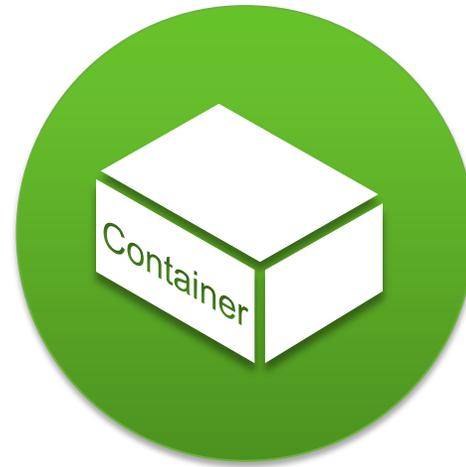
One Platform for Any App



Perception Today:



vs.



Announcing... A Common Platform for All Apps

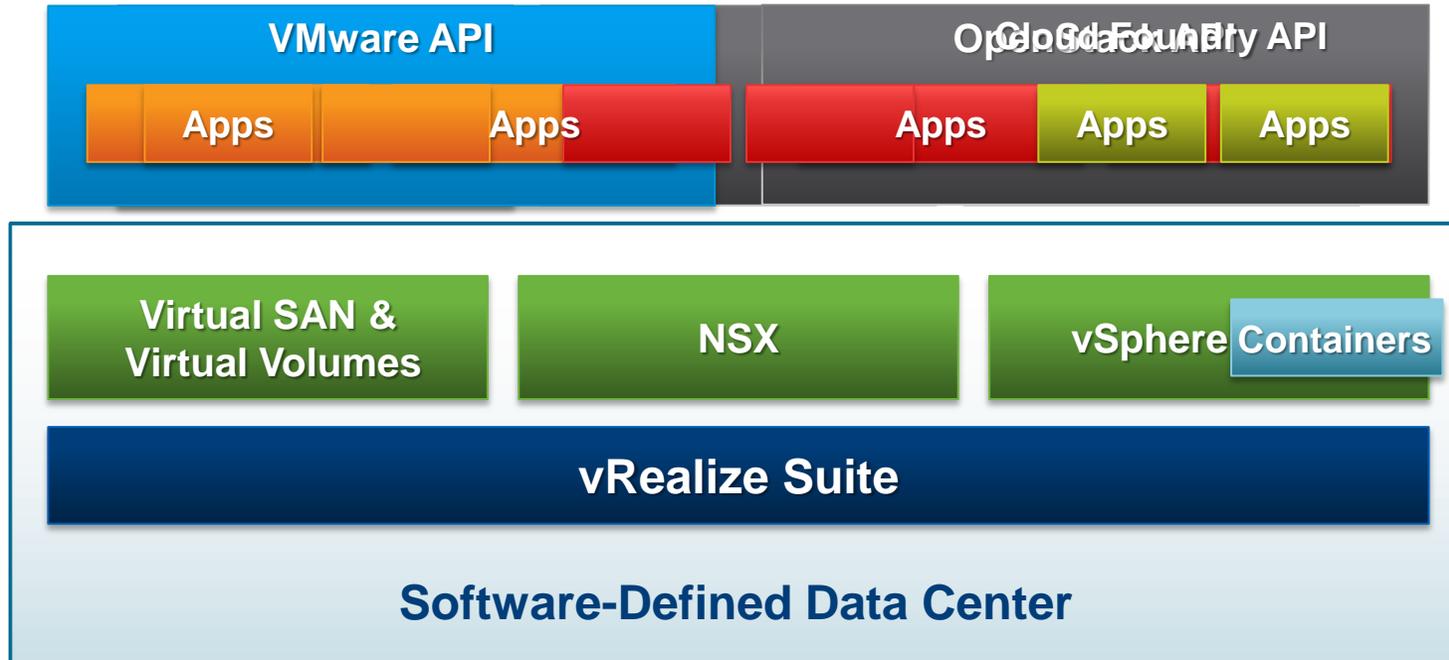


Containers without compromise

“For enterprises seeking to efficiently build, ship, and run enterprise apps, Docker and VMware can deliver the best of both worlds for developers and IT/operations teams. Joint customers will benefit from enabling IT to run and operationalize their Docker environments on their current virtual infrastructure and take advantage of existing management, compliance, networking and security processes and tools.”

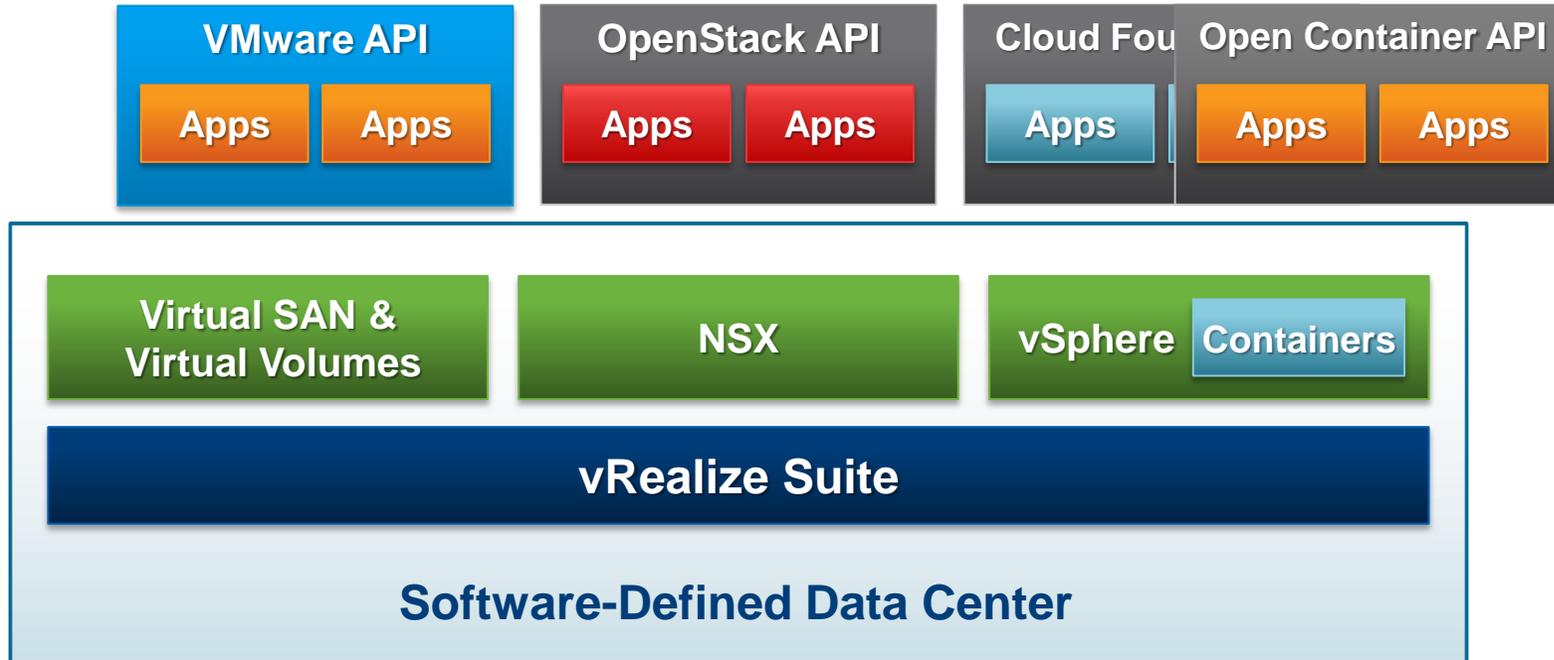
- Ben Golub, CEO, Docker

One Platform for Any App



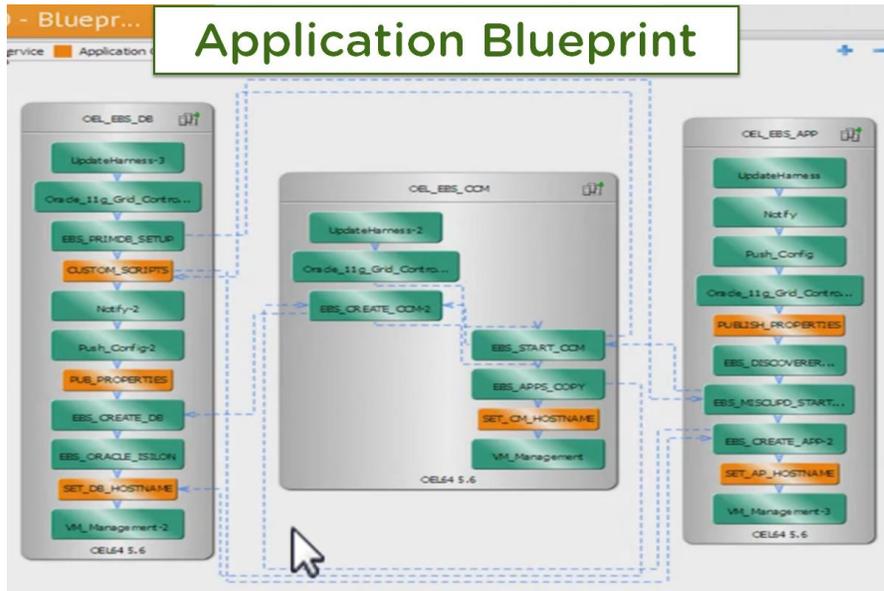
Pivotal™

One Platform for Any App



SDDC: Deploy Once, Run Anywhere Freedom

Management and Operational Stack Follows the App



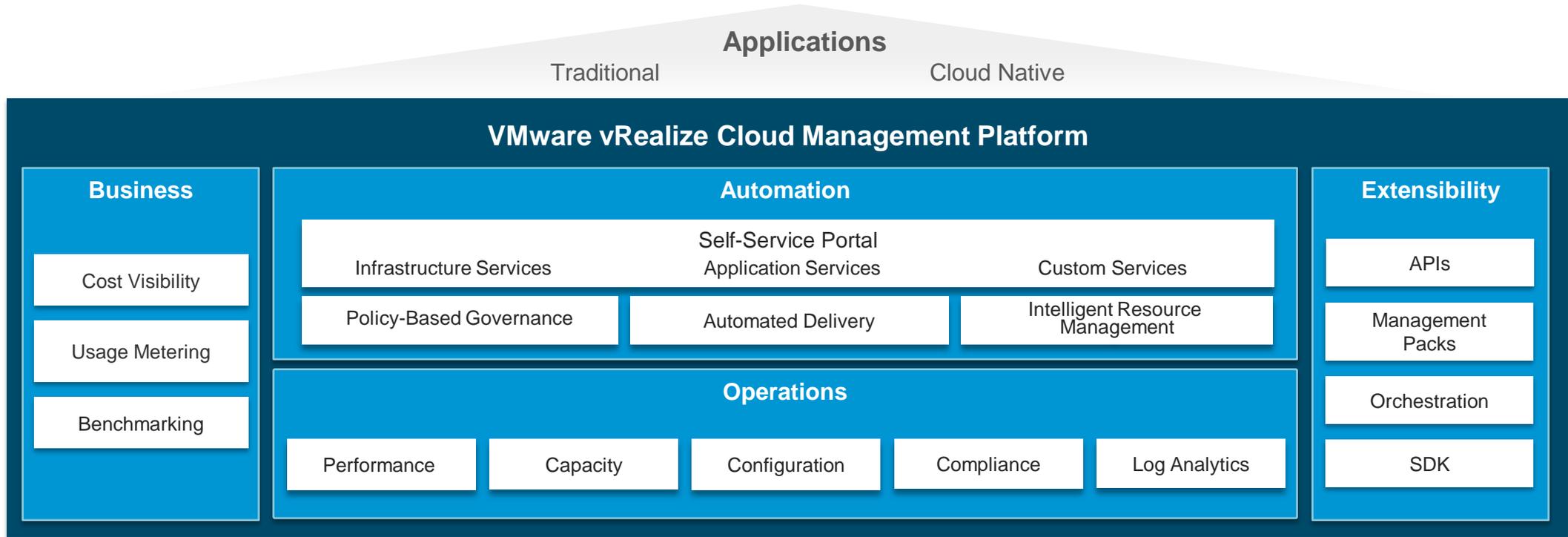
vCloud Air Network for ROBO

Test/Dev - vCloud Air

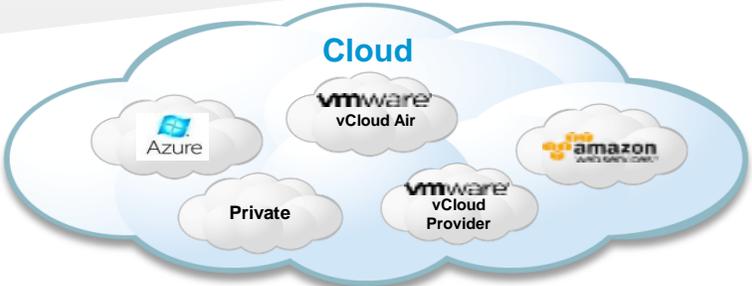
Production Deployment
Private Cloud



It's a Hybrid World

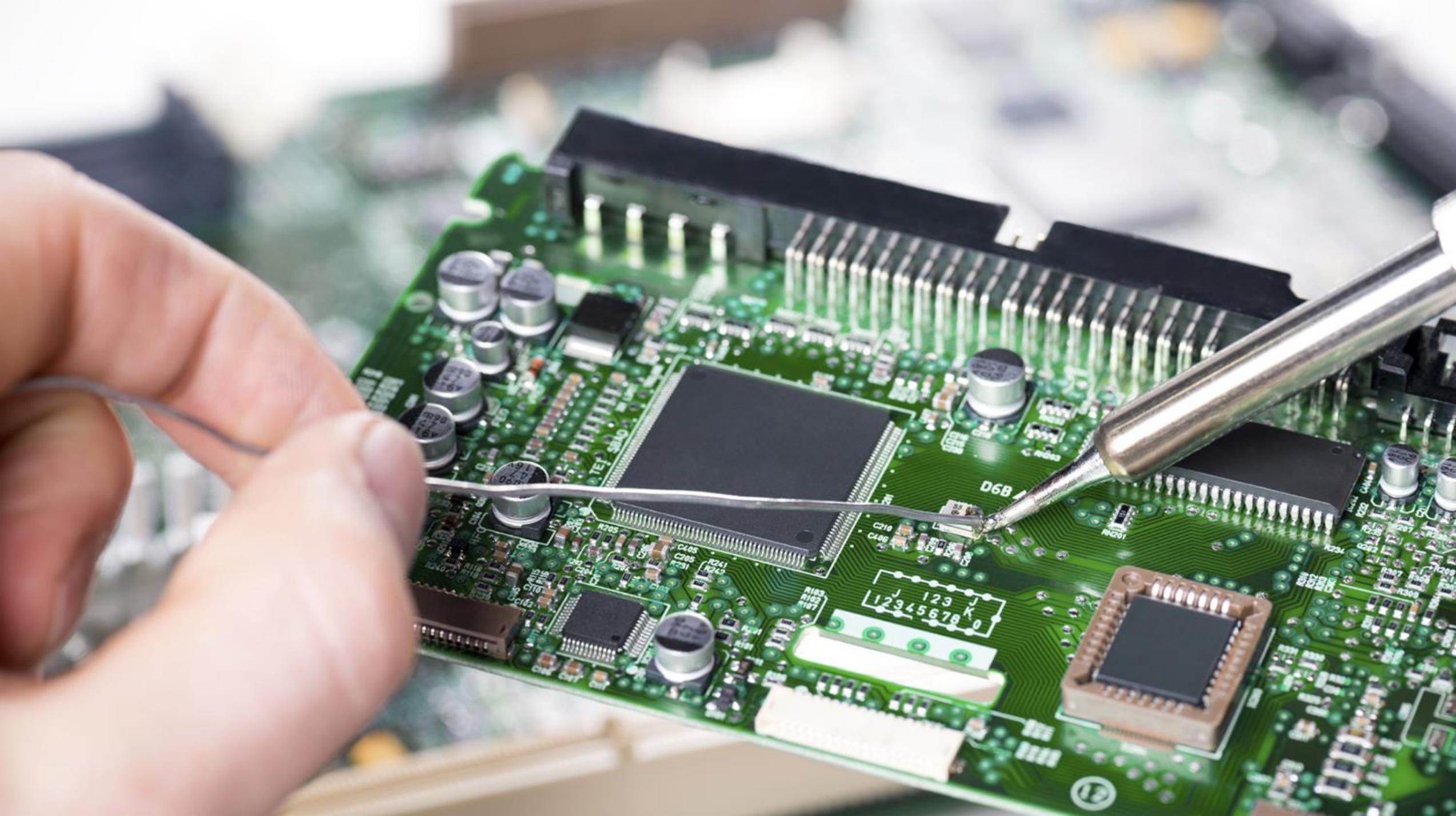


Heterogeneous Infrastructure Hybrid



Evolution is Inevitable









Lose the Cape!

Obsess Over Speed



A photograph of two men in dark grey suits against a blue sky with light clouds. The man on the left is running towards the right, looking forward with a determined expression. The man on the right is standing still, looking towards the running man, and holding a brown briefcase. The overall scene suggests a sense of urgency and leadership.

*“I had to get over the idea
that it wasn’t my idea.”*

- Salman Khan

Be an Innovation Champion, Even If It's Not Your Innovation



Choose a Strategic Partner for Your Journey

Thank You