The Future of Cloud

Richard Villars
VP, Datacenter & Cloud

CHANGING USER EXPERIENCE

SCALE
SPEED
SCOPE

Key Drivers for Cloud Decisions

- ✓ Everything-as-a-service alters business and financing models

- ✓ Industry digitization alters functional IT requirements

- ✓ Business entanglement drives cross industry data sharing

- ✓ Globalization conflicts with traditional datacenter location strategies

- ✓ Volatility in beliefs and policies about collection, retention, and use of data

- ✓ Data exploitation driven by institutionalization of cyber warfare

- ✓ Modularization of IT through convergence, software defined, and hyperscale

- ✓ Data gravity drives movement of most data into cloud datacenters

- ✓ Demand for variable IT resources to support short lived campaigns and analytics efforts

- ✓ Use of Smart IT based on active cognition and analytics-based automation
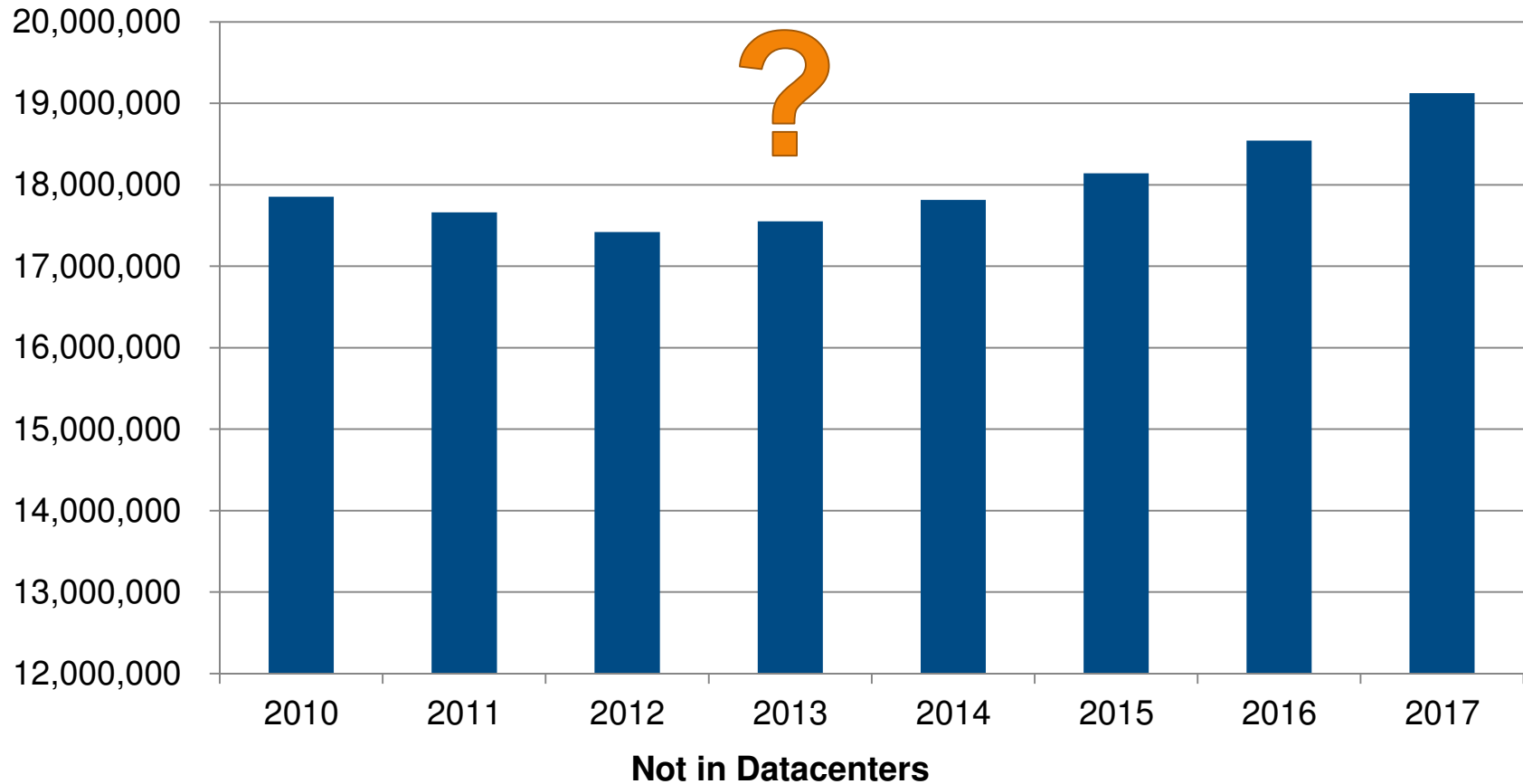
IDC
Analyze the Future

Key Drivers for Cloud Decisions

✓ **Everything-as-a-service alters business and financing models**

✓ Industry digitization alters functional IT requirements

✓ **Business entanglement drives cross industry data sharing**

✓ Globalization conflicts with traditional datacenter location strategies

✓ Volatility in beliefs and policies about collection, retention, and use of data

✓ Data exploitation driven by institutionalization of cyber warfare

✓ **Modularization of IT through convergence, software defined, and hyperscale**

✓ **Data gravity drives movement of most data into cloud datacenters**

✓ **Demand for variable IT resources to support short lived campaigns and analytics efforts**

✓ Use of Smart IT based on active cognition and analytics-based automation

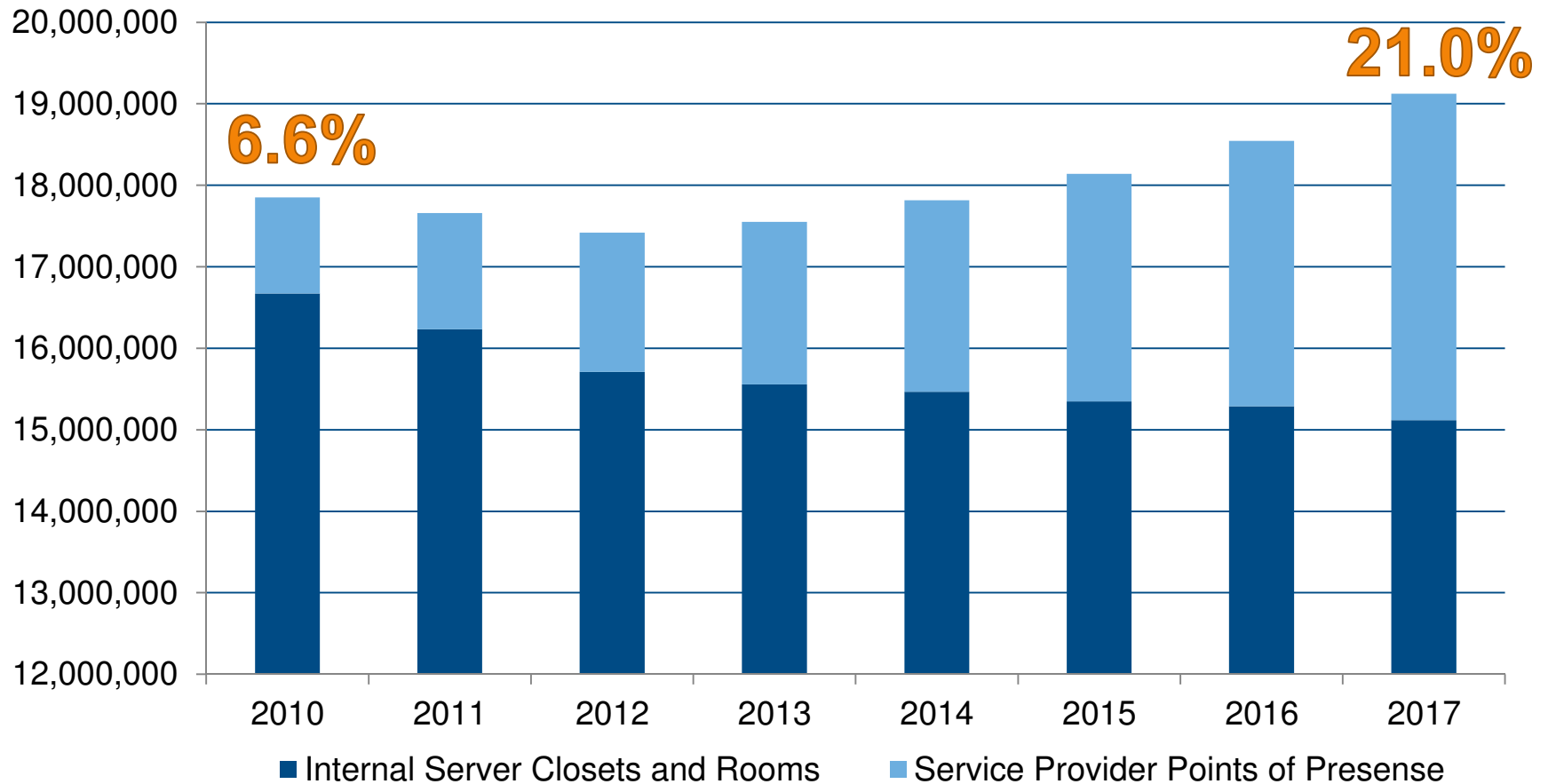# Everything as a Service: Industrial IoT

Where Are The Servers?

X86 Server Installed base

Bar chart showing X86 Server Installed base from 2010 to 2017 with an orange question mark above 2013–2014.

Year	Value (approx.)
2010	17,850,000
2011	17,650,000
2012	17,420,000
2013	17,550,000
2014	17,800,000
2015	18,130,000
2016	18,540,000
2017	19,120,000

Not in Datacenters

IDC
Analyze the Future

6

Business Entanglement:
Where Are The Servers?

X86 Server Installed base

Legend:
- ■ Internal Server Closets and Rooms
- ■ Service Provider Points of Presense

Winning Organizations Take Advantage of Modularized IT

SDDC is not a product portfolio
SDDC is an operating model
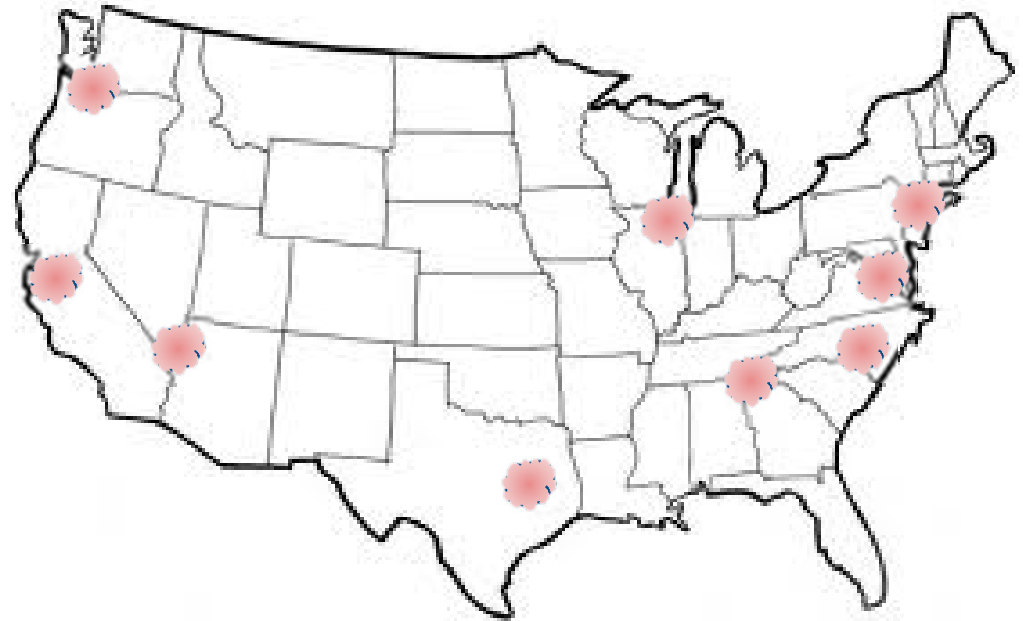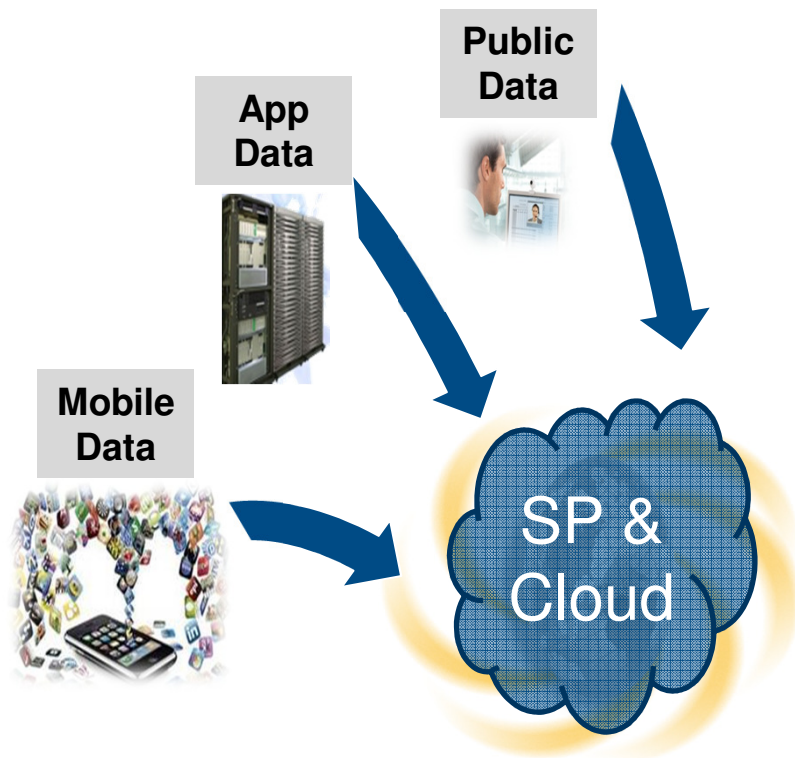
IDC
Analyze the Future

Riding the Technology Wave

>50% OF NEW HIGH END DC CONSTRUCTION IN 2020 IS SP DRIVEN

The Race to Build Liquidity

Data Gravity
Concentration of Data and Datacenters

App
Data

Public
Data

Mobile
Data

SP &
Cloud

**Most new Datacenters
will be near cloud Datacenters**

IDC
Analyze the Future

Variable IT:
Accelerate Asset Lifecycles

A Systems View of Business

Systems of Record

Systems of Engagement

Systems of Insight

Systems of Action

A Systems View of IT Development

Systems of Record | **Systems of Engagement** | **Systems of Insight** | **Systems of Action**