Multi-cloud Architecture

Public Cloud Provider #1

21%

43%

Public Cloud Provider #2

18%

Company ABC

On-premise System

Private Cloud

Source: CompTIA’s Trends in Cloud Computing | Base: 495 U.S. firms with cloud adoption
Cloud vs. Enterprise: Impact of Today’s Approaches to Building Services

Phil Norton
Systems Analyst III, Sourcebook Inc.
About Me

• 15+ Years in IT

• Healthcare, Automotive, & Publishing Industries

• Focus on Integration, Reporting, and Databases

• Implemented Healthcare, Enterprise, & eCommerce platforms

• CompTIA Governance Committee & Advisory Board
Overview

• Rise of the Cloud
• Today’s Business
• Cloud & Enterprise
• Use Cases & War Stories
• Impact & Conclusions
• Q & A
Rise of the Cloud

1951 UNIVAC

1977 ARCNet

1999 VMWare

2006 EC2/S3

2016 $38.2B
Cloud Infrastructure Growth

Percentage of IT Industry

Source: IDC’s Worldwide Quarterly Cloud IT Infrastructure Tracker Q2 2015
Today’s Business

Data
• Instantaneous
• Meaningful

Communication
• Real-Time
• Unified

Automation
• Human Error
• FTE Efficiencies

Agile
• Lead Time
• Pivots
Cloud Providers

Source: Synergy Research Q1 2016
Cloud Benefits

- No Capital Expenditure
- Flexibility
- Scalability
- Reduced Lead Time
- Maintenance & Updates
Cloud Drawbacks

- Point of Failure
- Security
- Portability
- Control
- Limited Feature Sets
The On-Premise Enterprise
Enterprise Services
Enterprise Benefits

- Privacy
- Customization
- Ownership
- Offline Access
- Return on Investment
Enterprise Drawbacks

• Upfront Cost
• Availability
• Constraints/Overload
• Support & Upgrade Cycles
• Disaster Recovery
Cloud Adoption Survey

70% have a cloud application
14% no current plans
16% plan to in next 12 months

Source: IDG Enterprise's Cloud Computing Survey | Base: 925 qualified respondents
Cloud Business Cases

Expanding into Enterprise eCommerce

- Better Testing
- Peak Loads
- PCI-DSS

Seamless Acquisition and Migration

- Databases & Content
- Quick Turnaround
- No Downtime
Enterprise Business Cases

Applying for Meaningful Use Grant

• 2 Dozen Clinical Quality Measures
• Several TB Protected Health Information
• $4M Grants

Converting Legacy Data to New Financials System

• Unique Needs & Workflows
• Proprietary Database
• Sanitation and Validation
Cloud War Stories

**The DDoS Attack**
- Platforms & Services Outage
- Global Reliance

**The ISP Outage**
- No ETA
- No Offline Access
- Building Closure
Enterprise War Stories

The First Black Friday
- Load Balancing
- Hot Spares
- Weeks of Cleanup

The Faulty Socket Fire
- Network Outage
- Virtualization Centralized
Impact

• Capital Expense vs. Operating Expense?

• Where and how will it be used?

• Current or future need?

• How does it need to evolve?
Multi-cloud Architecture

Public Cloud Provider #1
Public Cloud Provider #2
On-premise System
Private Cloud
Company ABC

Source: CompTIA’s Trends in Cloud Computing | Base: 495 U.S. firms with cloud adoption
Conclusion

• Determine needs specific to your business

• Multi-cloud Architecture – Not always “Either/Or”

• Hybridized Services & Solutions

“Every customer has a different situation inside of their business... We have to give you both choices, and you decide.”

-Larry Ellison, Executive Chairman & CTO, Oracle
Questions?
Today’s Takeaways

• Security
• Process
• Cloud
We are using technology to drive our business outcomes

We are redefining our business thanks to technology
Thank You