



Understanding and Adopting Cloud Computing Strategy

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Agenda

- ◆ Business Drivers
- ◆ Politics
- ◆ Real Issues
- ◆ Cloud Computing Objectives
- ◆ Approach



Business Drivers

◆ Costs

- ◆ Acquisition
- ◆ Implementation
- ◆ Maintenance
- ◆ FTE
- ◆ Data Center

◆ Agility

◆ Environmental Considerations



Business Drivers

- ◆ Servers are used at only 15% of their capacity
- ◆ 800 billion dollars spent yearly on purchasing and maintaining enterprise software
- ◆ 80% of enterprise software expenditure is on installation and maintenance of software
- ◆ Data centers typically consume up to 100 times more per square foot than a typical office building
- ◆ Average power consumption per server quadrupled from 2001 to 2006.
- ◆ Number of servers doubled from 2001 to 2006

Politics

- ◆ Ready, Fire, Aim = Latest right thing to do, but must understand (i.e. outsourcing)
- ◆ Security = Business Prevention Unit always says no, will ignore or go around, need to engage to understand
- ◆ Perception = Our security is better due to control
- ◆ Groups resistant to change – job security
- ◆ FUD - “We’re different than anyone else in our industry”
- ◆ Conclusion: The train has left the station - ride in the engine car and not in the caboose



Real Issues

- ◆ Security
- ◆ Regulatory Compliance
- ◆ Data Sovereignty
- ◆ Service Level Agreements
- ◆ Technology Architecture

Cloud Objectives

- ◆ Security
- ◆ Scalability
- ◆ Availability
- ◆ Performance
- ◆ Cost reduction
- ◆ Acquire resources on demand
- ◆ Release resources when no longer needed

Approach

- ◆ Executive team needs to understand cloud computing, both benefits and risks
- ◆ Create Cloud governance structure
- ◆ Understand enterprise pain points
- ◆ Integration into technology and security architecture
- ◆ Diligence needs to be performed so compliance and security requirements are addressed
- ◆ Create and execute cloud strategy

Thank You!

◆ Resources

- ◆ Cloud Security Alliance - cloudsecurityalliance.org
- ◆ Jericho Forum - jerichoforum.org
- ◆ Federal Cloud Strategy <http://www.cio.gov/documents/Federal-Cloud-Computing-Strategy.pdf>
- ◆ IT Governance Institute - www.itgi.org

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