How to walk on the clouds without falling through...

From a business point of view

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Agenda

- Transformation of IT
- Cloud Overview
- Cloud Architecture
- Myths of Cloud computing
- How can the Cloud improve business
Transformation of IT

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IT Centric

What IT can do for and on behalf of the business

New Paradigm
- Business Consumes IT

Business Centric
Benefits

Tactical

- Scale on Demand
- Virtualization
- Metering/Charge Back
- Optimized Dev and Test environment

Strategic

- Reduced Cost
- Changing Cost Structure
- Reduced Complexity
- Reduce Time to Market

Transformation to Simplification, Consolidation, and ultimately Cloud Computing
Key Concerns

- Security
- Compliance
- Quality of Service – Performance and Availability
- Integration and Customization
Cloud Overview

Private

Public

Hybrid

Public

Private
Characteristics

* On-demand self service
* Resource Pooling
* Rapid Elasticity
* Measured Service
* Broad Network Access

Service Models

* Infrastructure as a Service (IaaS)
  * Virtual Machines, servers, storage
* Platform as a Service (PaaS)
  * Runtime environments, databases, web servers
* Software as a Service (SaaS)
  * Email, CRM, Virtual Desktops
Five Business Benefits

(1) Business Agility
- IT and computing resources you need when you need them
  - Projects begin more quickly
  - Fewer IT resources needed
  - Business becomes more nimble
- Scalability
  - Business can scale up or down the operational needs quickly, allowing flexibility as needs change
- Business continuity
  - Storing data in a secure and safe location
  - Access to data quickly
  - Allowing a faster resumption of business
  - Minimizes down time
Five Business Benefits

(2) Business Innovation
* Readily available cloud services can jump start initiatives
  * Utilizing or combining can result innovative business models
* Collaboration efficiencies with cloud computing models
  * Communicate and share information more easily
    * Sharing project information across different locations
    * A quick and secure way of sharing internal records, i.e., accounting records with accounting

(3) Better use of Resources
* Cloud Service providers utilizes resources more efficiently
  * Allowing employees to spend their time on more useful activities to benefit the organization
* Flexibility in work practices
  * Allows employees more flexible work practices
  * Ability to access data or applications remotely
  * Essentially setting up a virtual office with the flexibility to connect to your business anytime, anywhere..
(4) Reduced Operational Issues

- Utilizing standardized services can
  - Reduce risks and increase business continuity
  - Allows deployment of services repetitively with same results every time

- Software/Hardware updates
  - Up-to-date versions of software and hardware upgrades may be included in your service fee
    - Reduces maintenance costs and downtime
    - Put risk on service providers to maintain proper support levels
Business Benefits

* (5) Cloud Services can be Less Expensive
  * (CapEx Vs. OpEx)
    * Zero upfront cost
    * No long term financial commitment
    * Faster project initiation
    * Closure without losing any investment
  * Reduced IT Costs (TCO)
    * No expensive systems or equipment to purchase
    * No technical support fees
    * Reduces costs of upgrades and replacements
    * Reduces energy bills and floor space storage
    * Fewer staff needed to maintain systems
In Summary

- Cloud models: private, public and hybrid
- Service models: IaaS, PaaS, and SaaS
- Business of all sizes are shifting some or all to cloud computing
- New Paradigm - Business Consumes IT
- Allows Business and IT to be more agile
- Allows for rapid elasticity
- Reduces costs
  - Transforms from a CapEx model to an OpEx model
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Questions?