

Cloud Computing: Agenda

Intro to Virtualization, IT Outsourcing, & Cloud Computing

Session 1

Course Objective: Each participant will fully understand the basics of cloud computing, IT outsourcing, and application virtualization

Criterion Knowledge Objectives: Each participant will be able to identify and explain

1. Cloud taxonomy
2. Cloud components
3. High level cloud economics
4. Strategic outsourcing

Session Plan:

- Explain the state of cloud computing
 - Include comments by US CIO
 - Include industry statistics
- Describe why cloud computing, SaaS, and virtualization have become such an important topic
- Present the building blocks of cloud and virtualization architecture
- Describe the differences between cloud computing, virtualization, GRID computing, and in-house IT management
- Case Study – content delivery networks
- Case Study – Venture Capital approach emerging companies
- Basic cloud economics
 - Saving OPEX/CAPEX
 - Green tech
- Developing a cloud strategy

The Business of Cloud Computing

Session 2

Course Objective: Each participant will understand the financial and business potential of cloud computing

Criterion Knowledge Objectives: Each participant will be able to identify and explain:

1. How to determine their company's cloud readiness
2. Understand cloud and outsourcing financial models
3. Understanding the cloud "law of plentitude"

Session Plan:

- Cloud readiness review
 - Schedule for hardware refresh?
 - Current software costs?
 - Cost of large in-house IT group?
 - How "glued" are you to existing proprietary applications?
- Cloud financials
 - Deep dive into cloud financial modeling
 - Understanding the risks and potential opportunity costs of not outsourcing IT into SaaS or cloud services
- Developing a business continuity and disaster recovery strategy with cloud
- Develop the idea that for the future the "network is the computer."

Developing Cloud Vision and Execution Strategies

Session 3

Course Objective: Develop a roadmap for attendees to use when developing their own cloud strategy

Criterion Knowledge Objectives: Each participant will be able to identify and explain:

- A clear cloud vision
- A clear cloud strategy
- Cloud execution requirements and roadmap

Session Plan

- Introduction to different vendors and vendor strategies
- Case Study: NASA Nebula Project
- Industry developments
 - IPv6 in the cloud
 - SSD (solid state disks) in the cloud
 - Enterprise clouds (vs. public clouds)
 - Industry technology update and roadmap
- Building a cloud migration and execution roadmap
 - Training
 - Consultants
 - Basic business case for migrating to a cloud