

## Cloud Computing Overview: Evaluating the Opportunities - 1/2 Day

### *Course 1210 Overview*

- Topics Include**
- Comparing and contrasting the available delivery models of cloud computing
  - Evaluating the benefits of cloud products, including Salesforce.com, Microsoft Azure, Google, and Amazon EC2
  - Deploying Software as a Service (SaaS) to optimize productivity and collaboration
  - Leveraging Platform as a Service (PaaS) to streamline application deployment
  - Examining the cost benefits of deploying Infrastructure as a Service (IaaS)
  - Integrating multivendor cloud products and services

**Course Benefits** As cloud computing becomes a viable IT solution, increasing numbers of organizations are evaluating how they can benefit from cloud computing technologies. This half-day event features live demonstrations of current cloud computing products to help you evaluate the options, benefits and decisions involved with incorporating cloud computing. This interactive event includes question and answer sessions to address specific questions related to your organization.

**Who Should Attend** Anyone interested in evaluating cloud computing technologies. No prior background with cloud computing is required.

- Live, In-Class Demonstrations**
- Capturing and analyzing data in real time with SaaS
  - Tracking customer interaction with Salesforce.com
  - Deploying applications to the Google App Engine
  - Hosting ASP.NET data-driven applications in the Windows Azure cloud
  - Instantaneous server provisioning with Amazon Elastic Computing Cloud (EC2)
  - Integrating the best of cloud vendor offerings into one customized solution

## Cloud Computing Overview: Evaluating the Opportunities - 1/2 Day

### Course 1210 Outline

#### Cloud Computing: Defining a New Strategy for IT Delivery

##### Exploring the cloud computing landscape

- Defining cloud computing
- The benefits of cloud computing
- Cloud computing components

##### Cloud computing delivery models

- Analyzing the types of clouds: public, private, hybrid, community
- Layering cloud services to create a coherent architecture

#### Integrating Software as a Service (SaaS) for Maximum Business Impact

##### Defining SaaS

- Exploiting access anywhere software
- Exploring best practices of the SaaS delivery model

##### Benefitting from SaaS

- Minimizing administration costs
- Improving productivity and collaboration
- Replacing capital investments with pay-per-use

##### Live, in-class demonstrations

- Capturing, analyzing and presenting data in real time with SaaS
- Managing customer relationships with Salesforce.com

#### Improving Application Delivery with Platform as a Service (PaaS)

##### Employing PaaS

- Leveraging off-premise execution platforms
- Instantaneous provisioning
- Achieving transparent application scalability
- Exploiting prepackaged configurations with Windows Azure and the Google App Engine

##### Live, in-class demonstrations

- Deploying applications to the Google App Engine for dynamic scalability
- Hosting ASP.NET data-driven applications in the Windows Azure cloud

#### Achieving Organizational Agility with Infrastructure as a Service (IaaS) Implementing IaaS

- Leveraging on-demand servers
- Eliminating software license costs with preconfigured servers
- Migrating existing machine images to the cloud
- Cost-effective, scalable and reliable data storage with Amazon Simple Storage Solution (S3)

##### Minimizing risk to your organization

- Immediate response to market demands
- Elastically scaling infrastructure capacity to meet organizational demands
- Evaluating operating systems and software with pay-per-use

##### Live, in-class demonstration

- Instantaneous server provisioning with Amazon Elastic Computing Cloud (EC2)

#### Examining Potential Barriers to Adopting the Cloud

##### Highlighting security implications in the cloud

- Analyzing security concerns
- Maintaining privacy of proprietary data
- Achieving acceptable reliability and service-level agreements

##### Maintaining business continuity

- Avoiding vendor lock-in
- Exploiting multiple cloud providers for cross-platform interoperability
- Evaluating the impact on employee skill requirements

##### Live, in-class demonstration

- Integrating the best of cloud vendor offerings into one customized solution

#### Moving Forward to Cloud Adoption Taking the next steps to implement cloud computing in your organization

- Building a business case
- Selecting a pilot project

##### Forecasting the cloud

- Tracking cloud trends and vendor solutions
- Monitoring emerging standards and regulations