To bring this course to your organization, call us to schedule an on-site session: 1-800-397-9744
Day 1  Understanding Cloud Computing for the Enterprise

   Why use the Cloud model?
   • What is Cloud Computing?
   • Key Characteristics of Cloud Computing
   • What is wanted from Providers: Users of Cloud offerings
   • Cloud types
     - Software as a Service
     - Application Components as a Service
     - Software Platform as a Service
     - Infrastructure as a Service
   • Physical Infrastructure: Storage and Infrastructure in the Cloud
   • Private and Hybrid Clouds
   • Vendors, market size, and spending projections
   • Security in the Cloud, and other key inhibitors

2. The Evolution of the Cloud Enterprise.
   Towards IT services as utility.
   • The Cloud is a “Virtual Machine”
   • Cloud types – Private, Public, and Hybrid Clouds
   • Understanding cloud benefits:
     - flexible provisioning
     - server utilization
     - ease of deployment
     - reduced operational costs & energy consumption
   • The impact of virtualization
   • Plans for the Cloud

   A virtual world of services.
   • Overview of Virtualization
     - access to resources
     - isolation
     - encapsulation
     - re-hosting
   • Virtual storage
   • Disaster recovery

4. The business case for the Cloud.
   Capability and cost optimization.
   • The Business Model for the Cloud
   • ROI Models
   • Cost Savings Models

5. Service Oriented Architecture (SOA) and the Cloud.
   Capability and cost optimization.
   • Explaining SOA
   • The Benefits of SOA
   • Extending SOA to the Cloud

6. Real World Case Study.

Your course leader
Bill Clarke

Your expert is Bill Clarke, a long-time Intervista faculty member, known for his deep independent research on Service Oriented Architectures and Cloud. As both a researcher and seasoned implementer working with some of the largest projects in the nation, he is a reliable, vendor-neutral resource you can count upon to enlighten your knowledge on Cloud.
1. The value proposition for the enterprise.
   Planning Your Cloud Strategy.
   - Building the Business Case and ROI on Cloud
   - Impact on business strategy and IT pain points
   - Requirements Questionnaire
   - How do you expect to start:
     Implications of enterprise on-ramps

2. Extending and integrating cloud services.
   Options, configurations, and risks.
   - Advantages of different approaches
   - Disadvantages of approaches
   - Identifying where cloud services need to be extended and integrated
   - Data storage strategies

3. Let's get them on the table.
   Security concerns.
   - Security concepts
   - Design principles for security
   - Risks to Virtualized Systems
   - Cloud service provider risks
   - Selecting a vendor buyers guide

4. A look at what’s out there from the vendors.
   An evolving landscape.
   - The players, their service offerings, alliances and strategies
   - Recent mergers and acquisitions and why they matter
   - The cloud computing marketplace:
     - Types of hypervisors
     - VMware - VMware ESXi
     - Open Source - Xen
     - Microsoft - Hyper-V
     - KVM
   - Evolutions in service offerings:
     - VMware, Amazon, Google, Force.com, Microsoft, IBM, Oracle, HP and many more

5. Migrating to the Cloud.
   Planning a roadmap.
   - Cloud Enablement Model
   - Cloud Ecosystem Model
   - Cloud Modeling Approach
   - Applications appropriate for Cloud Computing

6. Real-World Services Consumption.
   A look at IT capability with the cloud.
   - Example using Cloud capabilities

7. Extending IT Governance to the Cloud.
   A governance roadmap.
   - What is governance?
   - Governance frameworks
   - Developing a Cloud governance model
   - A four tier model of governance
   - Goals, Principles, Policies
   - Enforcement models

8. Evolving roles with Cloud.
   What happens to IT jobs.
   - Who "owns" a virtual machine
   - Partnership with the business
   - Roles of the Enterprise, Solutions and Information Architects
   - The governance organization

9. Managing the Services Portfolio.
   Balancing IT capability and risk.
   - The Services Portfolio: How much cloud is right?
   - Managing your enterprise’s Services Portfolio
   - The role of the Portfolio Manager with Cloud Services

10. The evolving cloud.
    Living in a world of virtual services.
    - What will it and IT look like in 5 to 10 years?

Great overview and very stimulating presentation on SOA. Three days of course provides great conceptual and practical understanding of SOA.

Sukhwant Nannan
Enterprise Architect
Service Canada

Informative and engaging.

Derek Rutherford
Director, Application Architecture & Standards
Province of British Columbia

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Understanding Cloud for the Enterprise

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<tr>
<th>Team members who will benefit:</th>
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<tbody>
<tr>
<td>Enterprise Architect</td>
<td>Network Manager</td>
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<tr>
<td>Cloud Architect</td>
<td>Application/Solutions Architect</td>
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<td>Business Architect</td>
<td>Systems Analyst/LAN Manager</td>
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Team members who will benefit:

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