



Course	SOA & Cloud Computing Enterprise Applications																																									
Overview	<p>Cloud Computing is a style of computing in which dynamically scalable and often virtualized resources are provided as a hosted service over the Internet i.e. the cloud. Enterprises large and small are drawn by the advantages of Cloud Computing resulting in very low barriers to technology entry and exit and high agility.</p> <p>This course will present the main concepts and elements associated with cloud computing and Service Oriented Architectures (SOA) in an enterprise ICT applications context.</p> <p>In terms of SOA, the concepts of Enterprise Service Bus (ESB), Business Process Management (BPM), SOA governance and SOA registries will be presented, along with their business value in an enterprise context. Likewise, the course will introduce the various cloud models and services (e.g., SaaS, PaaS, IaaS and more), the economics of cloud computing, as well as the main benefits associated with cloud based deployments.</p> <p>Following the presentation of the main SOA and Cloud concepts, the course will emphasize on the convergence of SOA and cloud-based enterprise architectures, as a means to: (a) reducing the cost of acquisition and maintenance of software software solutions, (b) alleviating the implementation risks, (c) providing an interoperable architecture that will enable the interworking of information systems inside and outside the enterprise, (d) facilitate governance and corporate policies development.</p> <p>It will introduce the concept of BPM in a Cloud Environment, explain its value proposition and describe an approach for deployment. It will explain strategies for successfully deploying and managing Cloud Computing – including example case studies. Lastly, it will review approaches to expanding Cloud Computing throughout an enterprise.</p>																																									
Objectives	<p>Attendees will:</p> <ul style="list-style-type: none"> • learn a phased approach to adopting Cloud Computing including business strategy, Cloud Computing readiness assessment, cloud service roadmap planning, and designing and deploying cloud services • be provided with business-oriented, functional overview of Cloud Computing providing actionable information for both business and IT professionals. • facilitate the understanding of the main elements of SOA and cloud computing • gain insights in SOA architectures in the scope of cloud environment/infrastructure. • present the convergence of SOA and cloud computing, as well as the benefits resulting for this convergence. 																																									
Who should attend	<p>Both business and IT professionals will benefit from the course, specifically previous participants include:</p> <ul style="list-style-type: none"> • CIO (Chief Information Officers) • IT Managers • IT Architects • ICT Consultants • Business Analysts 																																									
Prerequisites	<ul style="list-style-type: none"> ■ Basic understanding of distributed computer systems. ■ Basic understanding of enterprise applications and the overall enterprise ICT environment. 																																									
Dates & Duration	<ul style="list-style-type: none"> ■ June 25,26,27, 2012 ■ 3 days ■ 24 teaching hours 	<table border="1"> <thead> <tr> <th colspan="4">Class Daily Time Schedule</th> </tr> <tr> <th>Hr</th> <th>Starts</th> <th>Ends</th> <th>Intervals</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>9:30</td> <td>10:15</td> <td></td> </tr> <tr> <td>2</td> <td>10:15</td> <td>11:00</td> <td>11:00-11:15</td> </tr> <tr> <td>3</td> <td>11:15</td> <td>12:00</td> <td></td> </tr> <tr> <td>4</td> <td>12:00</td> <td>12:45</td> <td>12:45-13:00</td> </tr> <tr> <td>5</td> <td>13:00</td> <td>13:45</td> <td></td> </tr> <tr> <td>6</td> <td>13:45</td> <td>14:30</td> <td>14:30-14:45</td> </tr> <tr> <td>7</td> <td>14:45</td> <td>15:30</td> <td></td> </tr> <tr> <td>8</td> <td>15:30</td> <td>16:15</td> <td></td> </tr> </tbody> </table>	Class Daily Time Schedule				Hr	Starts	Ends	Intervals	1	9:30	10:15		2	10:15	11:00	11:00-11:15	3	11:15	12:00		4	12:00	12:45	12:45-13:00	5	13:00	13:45		6	13:45	14:30	14:30-14:45	7	14:45	15:30		8	15:30	16:15	
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Instructors	<p>Course Led by Dr. John Soldatos, AIT Professor</p>																																									
Training Methodology	<ul style="list-style-type: none"> ■ Lecture and Presentations ■ Case studies and Practical Assignments 																																									
Course outline	<p>Session 1: Introducing SOA and Cloud Computing</p> <ul style="list-style-type: none"> • Rationale and Motivation behind SOA • Introduction to SOA, ESB and BPM • Cloud Computing Driving forces • Cloud Computing Services for the Enterprise • The Business Value of Enterprise Cloud Computing • The Economics of Cloud Computing <p>Session 2:</p> <ul style="list-style-type: none"> • SOA and Cloud Convergence • Managing and Accessing Data in a SOA/Cloud Environment • Services Implementation in a SOA/Cloud Context • SOA/BPM in a Cloud Environment • SOA Governance in a Cloud Environment • SOA Testing in the Clouds <p>Session 3:</p> <ul style="list-style-type: none"> • Implementing Data, Services and Processes over according to a Cloud model. 																																									

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	<ul style="list-style-type: none">• Rich Client Interfaces in SOA/Cloud environment.• Moving Service Oriented Applications to a Cloud Environment.• Conclusions and Future Outlook
Expression of Interest	exeducu@ait.gr please send your contact info, including program title in email subject line
Registration Form	http://hermes.ait.gr/registrations/multiple.php?prog=311
Venue	AIT, Building B7, INTRACOM Campus, 19 km, Markopoulou Av, Peania 190 02 How to Reach AIT: http://www.ait.edu.gr/ait_web_site/how_to_reach_us.jsp
Tuition Fee	Single Participation: 990,00€ This course is also available for in-house training for 5-10 participants @ competitive pricing. OAED funding may reach up to 100%, for more information please contact us. Discount Policy Cancellation Policy
Contact	Katerina Protonotariou, Executive Education Manager, AIT, kpro@ait.gr , +30 210 6682806, extn 5806

