



Course	<b>J2EE Overview</b>				
Overview	Java2 Enterprise Edition is gradually becoming a primary technology choice for modern multi-tier Enterprise Information Systems. J2EE exploits beneficial properties of the Java language and introduces a whole range of new components, technologies, tools and techniques allowing software engineers, developers and architects to build information systems that meet the stringent requirements of the modern enterprise. This short course is specially designed to provide a comprehensive overview of the J2EE technology, offering a short tour on the key technologies / APIs that comprise the J2EE architecture.				
Objectives	Participants will gain insight on the major building blocks of J2EE, as well as on what can be achieved with this technology. By the end of the course they will be familiar with most technological blocks of J2EE, and their purpose. As a result, they will have a sound background enabling them to start designing, developing and deploying J2EE applications, as well as to delve deeply into specific technological blocks (e.g., EJB, Servlets, XML Web Services). Practical hands-on training will be provided on the structure of the J2EE applications (hardware / software configuration, JAR, WAR, EAR files), as well as on essential building blocks (e.g., JSPs, EJBs).				
Who should attend	<ul style="list-style-type: none"> <li>■ Software Engineers, Junior and Senior Java developers aiming at getting starting with J2EE</li> <li>■ Software Engineers in charge of the deployment of J2EE projects</li> <li>■ IT architects aiming at designing, building J2EE applications</li> <li>■ IT Technical Managers with no previous J2EE experience aiming at undertaking J2EE projects</li> </ul>				
Prerequisites	<ul style="list-style-type: none"> <li>■ Java programming (mandatory)</li> <li>■ XML (optional)</li> </ul>				
Dates & Duration	<ul style="list-style-type: none"> <li>■ MAY 18,19,20, 2011</li> <li>■ 3 days</li> <li>■ 15 teaching hours</li> </ul>	<b>Class Daily Time Schedule</b>			
		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	
Instructors	<b>Course Led by</b> Dr J. Soldatos, AIT Associate Professor Dr S. Efremidis, AIT Professor				
Training Methodology	<ul style="list-style-type: none"> <li>■ Projects</li> <li>■ Case studies</li> <li>■ Programming</li> <li>■ Exercises</li> <li>■ Hands on Lab</li> </ul>				
Course outline	<p><b>Session 1: Introduction to J2EE / Overview of Servlets and JSP</b></p> <ul style="list-style-type: none"> <li>■ Multi-tier Applications</li> <li>■ J2EE Software Engineering</li> <li>■ J2EE Packaging &amp; Deployment Paradigm</li> <li>■ J2EE APIs</li> <li>■ Http Servlets</li> <li>■ Java Server Pages</li> </ul> <p><b>Session 2: Overview of Enterprise Java Beans and J2EE Web Services</b></p> <ul style="list-style-type: none"> <li>■ Component based Programming &amp; Implicit Middleware</li> <li>■ RMI &amp; RMI IIOP</li> <li>■ Introduction to Enterprise Java Beans</li> <li>■ EJB &amp; Middleware Services</li> <li>■ Session EJB</li> <li>■ Entity EJB (CMP / BMP)</li> <li>■ Message Driven EJB</li> <li>■ CMP/BMP Relationships</li> <li>■ EJB Best Practices</li> </ul> <p><b>Session 3: Lab Session Hands on Training (JBoss, JDBC RDMS (mySQL, Oracle))</b></p> <ul style="list-style-type: none"> <li>■ Developing JSP/Servlets</li> <li>■ Developing/Deploying simple EJB Applications (CMP, Session Beans+JDBC)</li> <li>■ Basic J2EE Patterns</li> <li>■ J2EE Deployment Issues Performance Considerations</li> </ul>				
Venue	Classroom 1B, Level 1,				

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Registration Form	<a href="http://hermes.ait.gr/registrations/multiple.php?prog=42">http://hermes.ait.gr/registrations/multiple.php?prog=42</a>
Tuition Fee	<b>Single Participation: € 490,00</b> This course is also available for in-house training for 4-10 participants @ competitive pricing OAED funding may reach up to 100%, for more information please contact us. <b>Discount Policy Cancellation Policy</b>
Contact	Katerina Protonotariou, Executive Education Manager, AIT, <a href="mailto:krpo@ait.edu.gr">krpo@ait.edu.gr</a> , 210 6682806, extn 5806

