

## Sparx Enterprise Architect Business Architecture

<p><b>Objectives</b></p> <ul style="list-style-type: none"> <li>Learn how to apply key features of Sparx Enterprise Architect for             <ul style="list-style-type: none"> <li>Business architecture</li> <li>Business modeling</li> </ul> </li> <li>Build integrated set of business models             <ul style="list-style-type: none"> <li>Business service model</li> <li>Business analysis model</li> <li>Business design model</li> </ul> </li> <li>Diagrams covered             <ul style="list-style-type: none"> <li>Class diagram</li> <li>Use case diagram</li> <li>State machine diagram</li> <li>Activity diagram</li> <li>Communication diagram</li> <li>Sequence diagram</li> <li>Package diagram</li> <li>Component diagram</li> </ul> </li> </ul>		<p><b>Description</b></p> <p><i>Sparx Enterprise Architect Business Architecture</i> provides students with a hands-on opportunity for learning how to capture business architecture models using the Unified Modeling Language 2.0 (UML) with Enterprise Architect (EA) from Sparx Systems. Starting with an overview of EA, students will review various tool configuration options and model structuring and organization guidelines. Students will begin with creating a business analysis model that identifies key entities in the business domain. Then students model business actors and business services using use case notation. The course continues with describing how to represent business events and how they affect key business entities. Students learn how to model business workflow using activity diagrams. Then students capture the realization of business services using collaboration and sequence diagrams. The course concludes with how to model business components, their service contracts, and their internal design using a capability realization. Most class time is used for students to do hands-on lab exercises following a step-by-step workbook.</p>	
		<p><b>Course Outline (Modules and Topics)</b></p> <ul style="list-style-type: none"> <li>Build Domain Model             <ul style="list-style-type: none"> <li>EA workspace configuration</li> <li>Business analysis model</li> <li>Business domains and entities</li> <li>Relationships and element lists</li> </ul> </li> <li>Build Business Service Model             <ul style="list-style-type: none"> <li>Business actors and services</li> <li>Business service diagram</li> <li>Organize service model</li> </ul> </li> <li>Model Business Events             <ul style="list-style-type: none"> <li>States, transitions, events</li> <li>Guards, actions, activities</li> </ul> </li> <li>Model Business Workflow             <ul style="list-style-type: none"> <li>Activity diagram</li> <li>Partitions and objects</li> <li>Activities, control flows, and object flows</li> <li>Forks/joins, decisions, guards</li> </ul> </li> <li>Model Service Realization             <ul style="list-style-type: none"> <li>Business analysis elements</li> <li>Organize analysis model</li> <li>Collaborations and sequence diagrams</li> <li>Participants diagram</li> </ul> </li> <li>Model Business Components             <ul style="list-style-type: none"> <li>Business architecture pattern</li> <li>Business components and service contracts</li> <li>Business capability realizations</li> <li>Business component dependencies</li> <li>Organize business design model</li> <li>Publish model</li> </ul> </li> </ul>	
<p><b>Duration</b> 1 day</p>	<p><b>Course #</b> 01-0610</p>	<p><b>Prerequisites</b></p> <ul style="list-style-type: none"> <li>Business Service Fundamentals</li> <li>Business Analysis Modeling</li> <li>Business Component Modeling</li> </ul>	<p><b>In partnership with</b></p>
<p><b>Audience</b></p> <ul style="list-style-type: none"> <li>Business architect</li> <li>Business analyst</li> <li>Business process designer</li> <li>System analyst</li> <li>System engineer</li> <li>Software architect</li> <li>Data modeler</li> <li>Software designer</li> </ul>		<p><b>Continuing education</b></p> <ul style="list-style-type: none"> <li>Sparx Enterprise Architect Business Process Modeling</li> <li>Sparx Enterprise Architect System Development</li> <li>TOGAF Certification Training</li> <li>Model-Driven Service-Oriented Architecture</li> </ul> <p><b>Classroom requirements</b></p> <ul style="list-style-type: none"> <li>Sparx Systems Enterprise Architect v7.5</li> </ul>	

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