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# Architect

Certification paths tailored for Architect

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## BEA SOA Enterprise Architecture, Phase 1: SOA Foundations

Required Courses	Required Skills	Skills Learned
SOA Strategic Concepts and Principles**	<ul style="list-style-type: none"><li>• Familiarity with software development projects</li></ul>	<ul style="list-style-type: none"><li>• Understand the fundamental concepts of an SOA</li><li>• Be able to explain the problems that an SOA attempts solve</li><li>• Be familiar with the goal of merging business and IT interests to achieve business agility</li></ul>
Organization Planning and Architectural Consideration for SOA*	<ul style="list-style-type: none"><li>• Fundamental background in information technology</li><li>• Familiarity with software development projects</li><li>• Fundamental understanding of SOA concepts</li></ul>	<ul style="list-style-type: none"><li>• Be familiar with SOA governance and SOA project planning issues</li><li>• Have a strategic high-level understanding of BEA's SOA application infrastructure and service infrastructure products</li><li>• Be able to explain the problems that SOA attempts to solve</li></ul>

\* Relevant course for BEA Certified Architect: BEA SOA Enterprise Architecture Certification exam phase 1

\*\* This course is also bundled in: Organization, Planning and Architectural Consideration for SOA

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## BEA SOA Enterprise Architecture, Phase 2: SOA Adoption and Implementation

Required Courses	Required Skills	Skills Learned
SOA: Architectural Concepts and Design Principles**  100%	<ul style="list-style-type: none"> <li>Fundamental background in information technology</li> <li>Familiarity with software development projects</li> <li>Experience with enterprise architecture</li> <li>Experience with software design and basic design patterns</li> </ul>	<ul style="list-style-type: none"> <li>Be familiar with the characteristics of a data service, shared business service, and presentation service.</li> <li>Understand the principles of design using an SOA Enterprise Reference Architecture for shared services access.</li> <li>Understand the security issues for shared services within an enterprise SOA.</li> <li>Describe SOA runtime governance and service lifecycle management.</li> </ul>
SOA Organization and Governance*  100%	<ul style="list-style-type: none"> <li>Fundamental background in information technology</li> <li>Familiarity with IT governance concepts</li> <li>Fundamental understanding of SOA concepts</li> </ul>	<ul style="list-style-type: none"> <li>Understand the impact the SOA principles have on both business and IT</li> <li>Be familiar with the governance required to make SOA adoptions successful</li> <li>Be familiar with an approach to creating a company-specific governance model</li> </ul>
SOA Costs and Benefits*  100%	<ul style="list-style-type: none"> <li>Fundamental background in information technology</li> <li>Familiarity with ROI concepts</li> <li>Fundamental understanding of SOA concepts</li> </ul>	<ul style="list-style-type: none"> <li>Understand the difference between calculating ROI for SOA versus applications</li> <li>Be familiar with the metrics used to measure SOA success</li> <li>Understand the different funding models that companies use for SOA initiatives</li> </ul>
SOA Reference Architecture*  100%	<ul style="list-style-type: none"> <li>Fundamental background in information technology</li> <li>Familiarity with software architectural projects</li> <li>Fundamental understanding of SOA concepts</li> </ul>	<ul style="list-style-type: none"> <li>Be familiar with why a SOA Reference Architecture is key to the successful adoption of SOA</li> <li>Understand an approach to creating and documenting an actionable SOA Reference Architecture</li> <li>Be exposed to real-world examples from companies that have created SOA Reference Architectures</li> </ul>
SOA Service-Oriented Development of Applications*  100%	<ul style="list-style-type: none"> <li>Fundamental background in information technology</li> <li>Familiarity with software development projects</li> <li>Fundamental understanding of SOA concepts</li> </ul>	<ul style="list-style-type: none"> <li>Be familiar with a SOA-compatible software development process</li> <li>Understand why traditional software development is lacking</li> <li>Understand the intersection of SOA governance and software development</li> <li>Understand the impact of SOA in each phase of the software development process</li> </ul>

\* Relevant courses for BEA Certified Architect: BEA SOA Enterprise Architecture Certification exam phase 2

\*\* This course is a bundle of: Organization, Planning and Architectural Consideration for SOA, SOA: Architectural Concepts of Service Design, SOA: Architectural Concepts of Service Infrastructure

■ Percentage of course relevant to the exam.