

Evaluating a Service-Oriented Architecture

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Abstract

Are you involved in the development of a service-oriented architecture (SOA), or are you considering this approach in your next project? Do you believe architecture evaluation is an important step in the software life cycle because, among other benefits, it detects problems that are hard to fix once the implementation is in place? If you answered "yes" to both questions, we invite you to attend this tutorial where we'll provide practical information for the architecture evaluation of an SOA system. We'll discuss how to describe the architecture, what architectural approaches are applicable, what questions and design considerations can be used to probe the architecture, and other aspects of architecture analysis-always looking at the specifics of SOA solutions. In this tutorial, the SEI Architecture Tradeoff Analysis Method (ATAM) is used as a reference for the steps, inputs, and outputs of an architecture evaluation technique.