Bridging Islands of ESB with Web Services

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Abstract

Confusion continues about the relationship between Enterprise Service Busses (ESBs) and Web services infrastructures. One contributing factor is prevailing analyst wisdom, which has asserted that ESBs will solve most of an organization's system integration issues. Another source of confusion stems from language-ESBs have been described in terms that are closely aligned with the language used for Service-Oriented Architectures (SOAs). However, in the context of an SOA, ESBs are forming new proprietary islands that need to be connected and the ESB for SOA mantra may indeed by short-sighted.

If an enterprise has more than one ESB, interoperability between them becomes an issue. Neither are ESBs optimal for connecting external business partners or customers to your SOA and enterprise. For many of these reasons, traditional ESBs are rapidly being overtaken by Web services. Over the next few years, ESBs will come to be viewed as processing islands connected using a common Web services infrastructure.

In this session, the attendee will examine the roles of ESBs and Web services can play when planning to deploy an SOA. They will learn:

* Why a Web services infrastructure is the best choice for the majority of SOAs

* How to maximize re-use of loosely-coupled services

* How to cost-effectively Web service-enable existing systems

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The author did not prepare a paper for the proceedings.

Biography

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Andrew Nash is CTO of Reactivity. Andrew was formerly the Director of Technologies at RSA Security in the Office of the CTO and led RSA's efforts within the Liberty Alliance on the Strong Authentication Expert Group creating a model for industry wide open strong authentication systems. He is a known leader in PKI and Web-Services security markets and the co-author of numerous Web Services specifications including Web Services Security, WS-Trust, WS-Federation, WS-SecureConversation and WS-SecurityPolicy. Andrew is an author of an RSA Press book on Public Key Infrastructure, a member of the OASIS Web Services Security TC and was chairman of the PKI Forum Technical Working Group. Andrew has been a key technology leader at both RSA Security and Digital Equipment Corporation. Andrew graduated from the University of Adelaide, Australia and holds a post graduate degree in Software Engineering from the University of Technology, Sydney.