

This presentation will cover the overview of JEE integration in the SCA feature pack.



The SCA programming model supports Java[™] EE integration. As a result, you can take advantage of SCA annotations to enable the Java EE components, such as session beans, message driven beans, or Web components to consume SCA services. By using Java annotations that apply to SCA, you can enable an existing Java EE component so that it is recognized as an SCA component and so that the component can participate in an SCA composite

JEE Integration for SCA allows existing WebSphere customers to tie into their JEE applications more naturally and reuse JEE skills providing for a strong value-add for SCA applications deployed in WebSphere.

Support for the Open Service Orientated Architecture (OSOA) organizations JEE Integration for SCA V1.00 Specifications demonstrates IBM's commitment and leadership in Open Programming Initiatives.



Java EE is the standard for Java-based enterprise applications today. While it offers a rich set of technologies, it does not define important concepts that are inherently required in service oriented architectures such as

- · Extensibility of component implementation technologies
- · Extensibility of transport and protocol abstractions

and a notion of cross-application assembly and configuration

SCA provides a standardized and extensible assembly language and methodology that can be layered on top of existing component models and runtimes.



This example shows how a JEE component consumes an SCA service by using SCA annotations. Note the use of these annotations:

1. @property - The @Property annotation is used to define an SCA property

2. @Reference - Accessing a service using reference injection is done by defining a field, a setter method parameter, or a

constructor parameter typed by the service interface and annotated with an **@***Reference* annotation.

3. @context - The @Context annotation type is used to annotate a Java class field or a setter method that is used to inject

a composite context for the component. The type of context to be injected is defined by the type of the Java class field or type of the setter method input argument, the type is either ComponentContext or RequestContext.



To summarize...



The SCA programming model supports Java EE integration. JEE Integration for SCA allows existing WebSphere customers to tie into their JEE applications more naturally and reuse JEE skills providing for a strong value-add for SCA applications deployed in WebSphere.



References



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