

This presentation shows how WDI could be integrated with WebSphere Process Server.





WDI can integrate with a number of products. WebSphere Process Server is one. WMQ is the message transport for message data.





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0	ramming Model E	Elements	
Elements	Description	Technology used for	
User Interaction	How a user interacts with a service, business process, or composite application	JavaServer Faces, Portlets, Rich Clients (including hand- held devices)	
Invocation	How services are connected together and how services integrate and interoperate with each other.	Service Component Architecture (SCA), Enterprise Service Bus (ESB)	
Composition	Composing services together builds a composite application. This can also include choreographing services to create an executable business process	Service Component Architecture (SCA), Business Process Execution Language (WS-BPEL)	
Business Components	Relevant units of business logic built as components with interfaces that are independent of the underlying implementation details	Service Component Architecture (SCA)	
Information	A uniform way of representing data	Service Data Objects (SDO)	
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Services Oriented Architecture has layers of integration. The Service Component Architecture component, web service, Enterprise Java Bean, and Transform Service are the general means of Integrating WPS to a service. WDI provides a JNI to C++ API and a sample Transform component to help integrate into the WDI product. The WDI product usess database and workfile access during translation or transformation.



In a typical integration flow, a customer's backend application might provide data for a WPS flow. WPS would use place message data on a WMQ queue. The WMQ trigger mechanism would start WDI's Advanced Adapter and invoke WDI. WDI would then translate the data and place it on a WMQ queue which is monitored by WPS or a gateway, like WPG.



A typical WPS flow is simple. The input message interacts with a service. In this case the components of the prior page are combined into something labeld the "WDI Service". This service then produces output and errors.

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Sample WSDL	
 	
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Samp	le WSDL	
	<xsd:complextype name="tMsgAssembly"></xsd:complextype>	
100 C 100	<xsd:sequence></xsd:sequence>	
100 C 100	<xsd:element name="Properties" type="tns:tProperties"></xsd:element>	
100 C 100	<xsd:element name="Message" type="tns:tMessage"></xsd:element>	
100 C 100		
	<xsd:simpletype name="tFileURI"></xsd:simpletype>	
100 C 100	<xsd:restriction base="xsd:anyURI"></xsd:restriction>	
100 C 100	<xsd:pattern value="file:.*"></xsd:pattern>	
100 C 100		
100 C 100		
100 C	<xsd:complextype name="tURIAssembly"></xsd:complextype>	
100 C	<xsd:sequence></xsd:sequence>	
1 C C C C C C C C C C C C C C C C C C C	<xsd:element name="Properties" type="tns:tProperties"></xsd:element>	
1 C C C C C C C C C C C C C C C C C C C	<xsd:element name="InputURI" type="tns:tFileURI"></xsd:element>	
1 C C C C C C C C C C C C C C C C C C C	<xsd:element name="OutputURI" type="tns:tFileURI"></xsd:element>	
1 A A A A A A A A A A A A A A A A A A A		
1 A A A A A A A A A A A A A A A A A A A		
1 A A A A A A A A A A A A A A A A A A A	<xscomplex lype="" name="t i ransform-ault"></xscomplex>	
1 A A A A A A A A A A A A A A A A A A A	<xsd:sequence></xsd:sequence>	
100 C	<xsd:element name="ErrorCode" type='xsd:string"/'></xsd:element>	
100 C	<xsd:element name="Errormisg" type="xsd:string"></xsd:element>	
	<xsd:element name="Message10" type='xsd:string"/'></xsd:element>	
	<a>Association of the second s	
	-station.ptc.i.jpc	
	-xsd element name-"TransformMs/Reservices to a second	
100 C 100	-xsd:element name="transform!JBReps", tupe="xsd:string"/>	
100 C 100	-xsd:element name="I IRIAssembly" type="ins:tl IRIAssembly"/>	
	<pre><xsd:element name="TransformMsoFault" type="ins:t]ransformFault"></xsd:element></pre>	
	<pre><xsd:element name="TransformURIFault" vpe="ins:tIransformFault"></xsd:element></pre>	
100 C 100		
1.1		
	<wsd:message name="TransformMsgResp"></wsd:message>	
	eved that name="figures/ormMsgResp" /> Integrating WDI with WPS	© 2006 IBM Corporation







