



# Integrating Legacy Systems with Web Services

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# Agenda

- Problems
- Standards
- Apache CXF and Apache Yoko
- Demo



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# Problems people face

- › Legacy CORBA systems
- › Legacy CORBA developers
  
- › New systems using newer standards
- › New developers trained with WS standards



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# Specifications

- OMG defined IDL -> WSDL mapping

[http://www.omg.org/technology/documents/formal/CORBA\\_WSDL.htm](http://www.omg.org/technology/documents/formal/CORBA_WSDL.htm)

- JAX-WS, JAXB

- WS-Addressing



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# Apache CXF (in incubation)

- › Open Source ESB
- › SOAP/XML over HTTP/JMS
- › Very Extensible Binding Framework
- › High performant streaming architecture
- › Alternative programming models
  - › JavaScript
  - › Pojo
  - › JAX-WS



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# Apache Yoko (in incubation)

## › CORBA ORB

- › Used in Apache Geronimo
- › Used in Apache Harmony

## › WS Bindings

- › Plugins to Apache CXF
- › WSDL to IDL and IDL to WSDL tools
- › Will be able to route SOAP <--> CORBA



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# Putting it all together

- › JAX-WS style server, CORBA clients
- › CORBA server, JAX-WS Client
  
- › JAX-WS server speaking both SOAP and IIOP



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