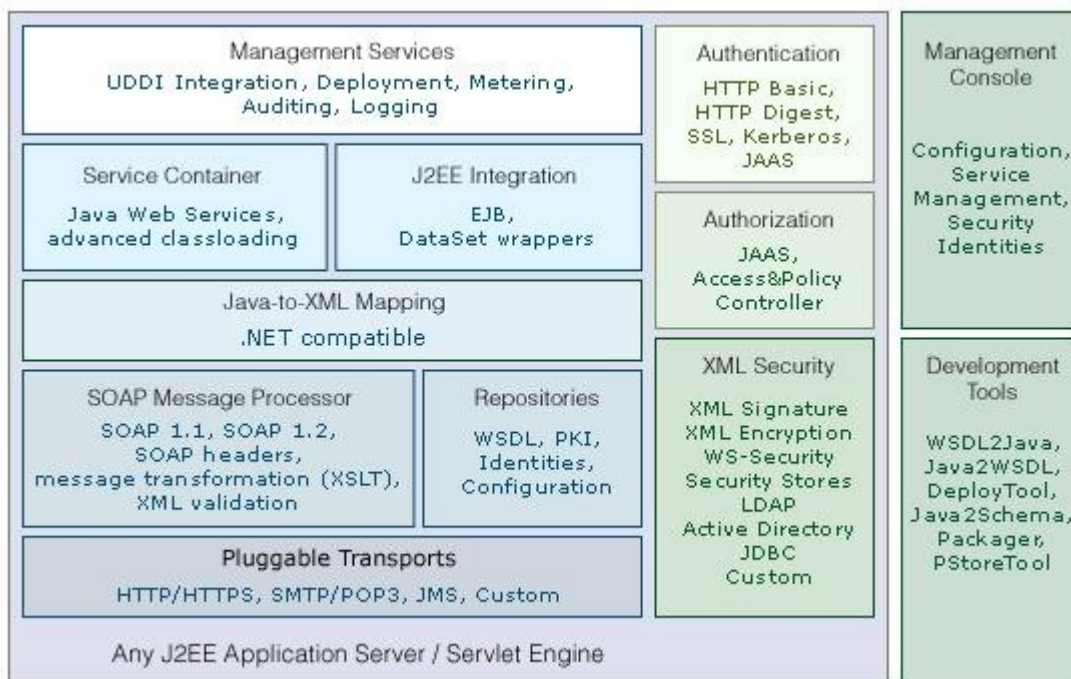


WSO2 SOA Enablement Server for Java

Introduction

WSO2 SOA Enablement Server for Java is a robust enterprise-ready Web services platform. It can run as a stand-alone service, but is typically deployed onto one of the major J2EE application servers, such as BEA WebLogic, IBM WebSphere, and Sun ONE Application Server. It may be deployed onto a Java servlet engine, as an alternative. WSO2 SOA Enablement Server for Java is highly optimized and is interoperable with other leading Web services platforms, such as Microsoft .NET. WSO2 SOA Enablement Server for Java provides everything you need to create, publish, discover and use Web services.

Product Architecture



Features

Interoperability

WSO2 SOA Enablement Server for Java has been designed to integrate with the major operating systems, Web servers, J2EE application servers, servlet engines, database servers and development environments. WSO2 SOA Enablement Server for Java is interoperable with .NET - not only on the basic SOAP level, but regarding collections and security. WSO2 SOA Enablement Server for Java can support both application integration projects in heterogeneous environments and the creation of new, integration-ready applications based on Web services.

Scalability

WSO2 SOA Enablement Server for Java is designed to support a very large number of concurrent HTTP or HTTPS requests, using multi-threading or multiple instances of WSO2 SOA Enablement Server for Java on

different ports or servers. To ensure reliability, limits can be set, determining the maximum message size and maximum number of concurrent requests that WSO2 SOA Enablement Server for Java may handle.

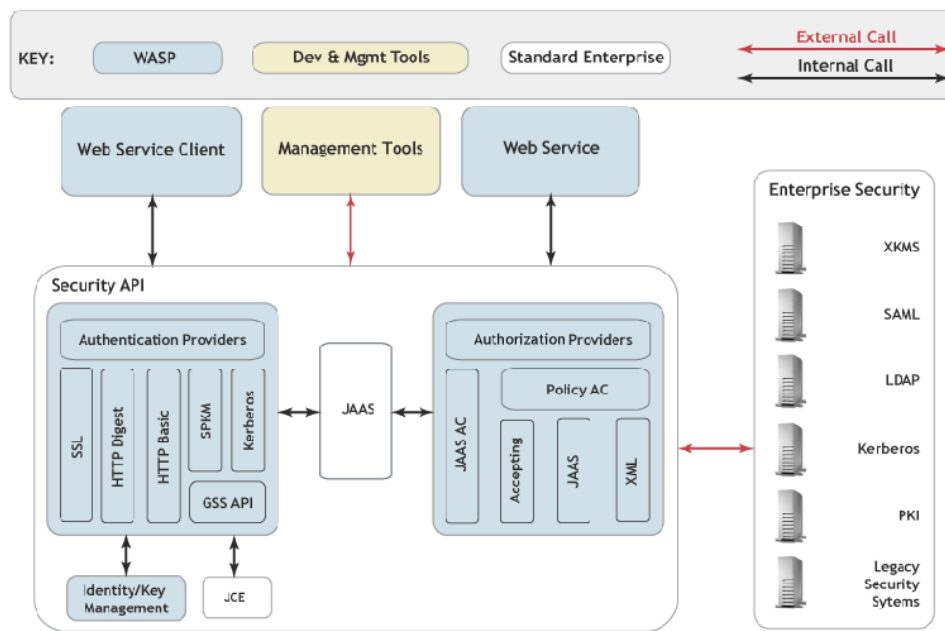
Performance and Management

WSO2 SOA Enablement Server for Java uses a unique management console approach to configuration management. Using WSO2 SOA Enablement Server for Java Administration Console (WAC) you can remotely administer any WSO2 SOA Enablement Server for Java server; manage security; and deploy and un-deploy your Web services. Its a user-friendly, easy-to-use graphical user interface for runtime management.

Embedding

While WSO2 SOA Enablement Server for Java is fully capable of standalone operation, it is also designed to be embedded into J2EE application servers, such as WebLogic or WebSphere.

Security



WSO2 SOA Enablement Server for Java supports WS-Security specification.

SOAP Binding and Encoding Styles

- RPC/encoded
- RPC/literal
- document/literal
- wrapped/literal

Reliable Messaging

WSO2 SOA Enablement Server for Java implements the WS-ReliableMessaging (<http://msdn.microsoft.com/ws/2005/02/ws-reliablemessaging/>) specification. WS-ReliableMessaging (WS-RM) guarantees the delivery of messages from Source to Destination regardless of software component, system, or network failures. The WSO2 SOA Enablement Server for Java also supports WS-Addressing and WS-Policy specifications plus MTOM/XOP.

Load Balancing

WSO2 SOA Enablement Server for Java supports HTTP session-based load balancing.

WS-I Profile Compliance

WSO2 SOA Enablement Server for Java fully implements the WS-I Basic Profile and the WS-I Attachments Profile.

Wide Array of Tools

In order to make Web service development easier, WSO2 SOA Enablement Server for Java is bundled with several tools.

- *WSDL2Java* - translates a WSDL definition of a Web service's interface into a Java class.
- *Java2WSDL* - translates a Java class into a WSDL definition of a Web service's interface.
- *Schema2Java* - translates an XML Schema description of structures into Java classes.
- *Java2Schema* - mapping Java classes and structures to their XML Schema representations.
- *SOAPSpy* - allows the inspection of messages exchanged between client and server.
- *Eclipse Plug-In* - provides access to features of WSO2 SOA Enablement Server for Java through a popular IDE.

Field Testing

WSO2 SOA Enablement Server for Java is a robust field-tested solution with a number of live deployments.