soapUi Overview

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Agenda

- What is soapUI?
- Features

What is soapUI?

What is soapUI?

- Leading tool for Web services testing and monitoring
- Open source
- Runs in stand-alone mode
- IDE plug-in's
 - Eclipse, NetBeans, IDEA
- soapUl Pro
 - > Commercial version
 - Extra functionality



Features

- Inspect/Invoke a Web service
- Mock Web services
- Functional testing
- Load testing
- Monitoring
- REST support
- Code generation

Inspecting/Invoking a Web Service

- Import and view WSDL documents
- Multiple requests per WSDL operation
- Invoke/manage multiple endpoints
- SSL/authentication/WS-Security
- Attachments (MIME, MTOM, inline)
- WS-I validation

Mock Web Services

- When to use Mock Web services?
 - > Real Web services do not exist
 - You might not have access to real Web services
- Create Mock Web services from WSDL
- Multiple responses for mocked operations
- Groovy scripting
- Integrated server with SSL support and WSDL publishing

Functional Testing Web Services

- Create any test at the functional level
 - > Sequence of request/response pairs
 - Use value from the response of previous request/response for the subsequent request
- Assertion
- Use databases (soapUI Pro only)

Load Testing Web Services

- Create from any functional tests
- LoadTest assertions for asserting performance and functionality
- Different load strategies
 - > Simple, burst, variance, thread
- Diagram/statistics

Generating Code

- Generate client and server stubs for all popular frameworks
 - > JAX-WS
 - > Axis
 - > XFire
- Generate XML bindings
 - > JAXB 2.0
 - > XmlBeans





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