



Soap UI

ANALYSIS

TESTING

TEAM 10

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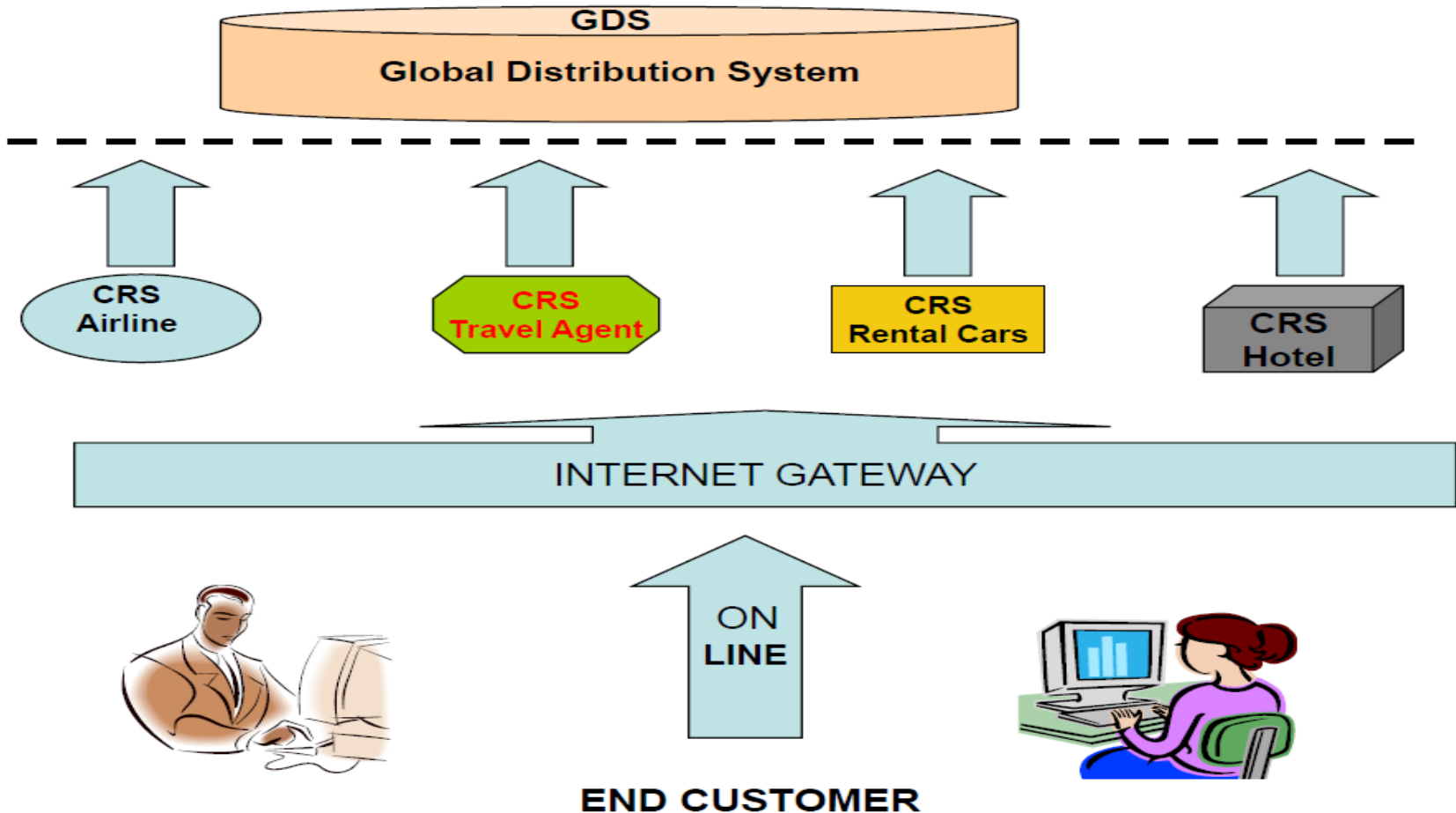
Poonam Bhoite



What is SoapUI

- World's leading Open Source Functional Testing Tool mainly used for API testing.
- Developed by *Eviware* in 2005, later acquired by SmartBear in 2011
- Cross platform desktop based application
- Leading automation tool for inspecting, invoking, monitoring, simulating and mocking
- Used for functional testing, security testing, load testing, compliance testing and surveillance testing of both EST/WADL and SOAP/WSDL-based APIs.
- Supports all the standard protocols and technologies.

Why SoapUI



Features

- **Wide coverage of functional aspects of web services & applications:**

Supports standards: HTTP, HTTPS, JMS etc. Also supports testing SOAP and RESTful web services.

- **Service mocking:** Mocking of web services even before implementation to test them.
- **Functional testing:** Do Functional verifications against web services & applications and JDBC sources.
- **Performance testing:** Using GUI, can generate performance/load tests.

Features (...continued)

- **Security Testing:** Testing of the system against malicious SQL commands, boundary limitation scanning, and against stack overflows.
- **Technology Support:**
Supports all the protocols and standards : SOAP/WSDL, REST, WEB and HTTP(S), AMF, JDBC and JMS
- **Analytics:**
Integrated analytics assist reporting, categorically grouped metrics, exporting to multiple formats.
- **Ecosystem:**
Allows to build own plug-ins for different open source environments.
Ex: IDEs supporting: NetBeans, Eclipse.

Pros

- Very Simple and Easy to use Graphical Interface
- Less cost compared to other tools in the market
- Supports all standard protocols
- Creates mocks where we can't use real applications
- Reduces the need to install and maintain hundreds of tools and databases locally on desktop(s)
- Provides fast and efficient framework in generating a lot of tests.
- Supports agile methodology as it helps in development of test cases even before the code is produced.
- Teams can work in parallel – developers and testers
- User friendly reporting

Cons

- You have to do Double work (and sometimes quite a lot)
- Deployment constraints
- Differences between live and mocked environ

Market View

Awards

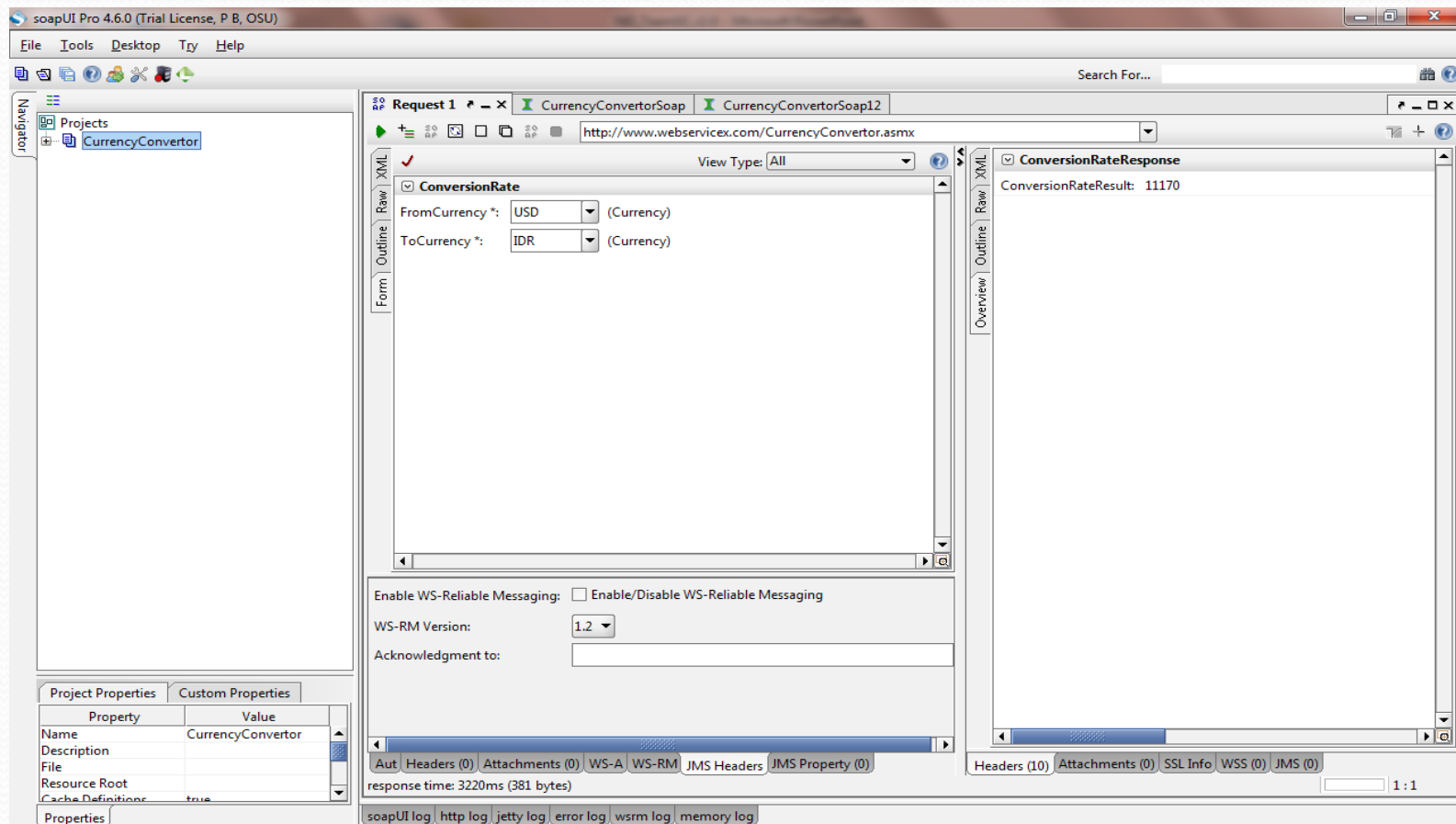
- ATI Automation Honors
- InfoWorld Best of Open Source Software Award
- SOAWorld Readers' Choice Award

Competitors

- FitNesse
- QTP
- Parasoft SOATest

Demo

- <http://www.soapui.org/Working-with-soapUI/point-and-click-testing.html>



Questions



➤ *For more information, do visit:-*

<http://www.soapui.org>



Thank You