

Course code: **SOAPUI/ADV**

Course title: **SoapUI – advanced issues**

Days: 1

Description:

Course intended for:

Programmers, testers and test engineers, interested in development of the SoapUI tools capabilities and development of advanced Groovy language scripts, supporting development, performance and reporting of test results.

Course objective:

Introduction to advanced issues associated with the SoapUI tool for experienced users.

Requirements:

Experience in WebServices testing and use of SoapUI tools, basic Java programming skills.

Course parameters:

1*8 hours (1*7 net hours) of lectures and workshops (with a visible emphasis on workshops).

Group size: no more than 8 participants.

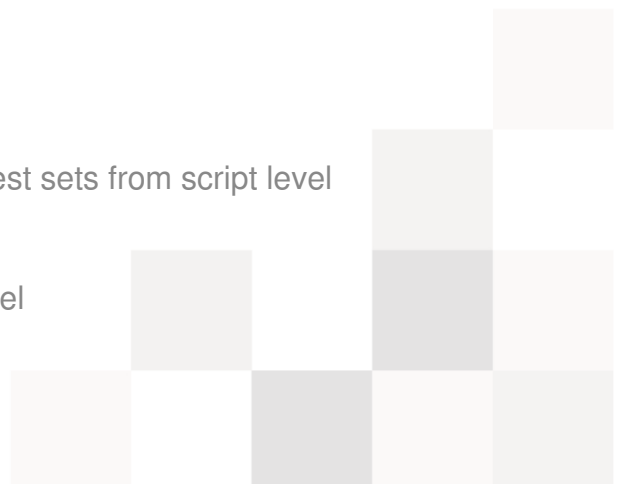
Course curriculum:

1. Advance test building using SoapUI
 - I. Test building strategies
 - II. SoapUI as a test tool
 - III. SoapUI as a part of a test harness
 - i. SoapUI and Robot Framework



2. GroovyScripting

- I. Introduction to Groovy – language and simple structures
- II. InstallationIntelliJ IDEA, Groovy console presentation
 - i. Script pattern, syntax complementation using IntelliJ IDEA
- III. Simple language structures
- IV. Groovy in SoapUI
 - i. SoapUI script editor
 - ii. SoapUI object model
 - A. Possibility of script connecting in SoapUI
 - iii. Scripts - assertions
 - iv. Scripts – assertions - XML
 - v. Scripts - FTP
 - vi. Scripts - SSH
- V. Exercise – a developed test performs commands on the server, processes the output and transmits it to the service
- VI. StringUtils utility classes, Tools , GroovyUtils, UISupport
- VII. DataSource, DataSink using scripts
- VIII. Data Driven Testing and use of properties with scripts
 - i. Examples- runtime properties reloading
- IX. Task automation in SoapUI
 - i. Examples – modification of test sets from script level
- X. Selenium launching from SoapUI level



3. Interface development

- I. Preparation of the developer environment and project building using Maven
- II. Project debugging
- III. TelnetRequest – with an example of use with BeanShell interpreter
- IV. SSHRequest
- V. Own assertion
- VI. GroovyShell Console

4. Protocol extension

- I. UDP
- II. ISO8853-2
- III. ZeroMQ

5. Integration with Maven

- I. Maven soapui plugin
- II. Use of own extensions in the Maven project

