

Scripts covered in Webinar

You can refer these scripts with attached project

```
//Logging in groovy
log.info "Welcome Everyone"
//Logging with a variable
def where = " to Webinar"
log.info "Welcome Everyone" + where

// get custom properties from testCase, testSuite and project via Groovy Script Teststep
def testCaseProperty = testRunner.testCase.getPropertyValue( "MyProp" )
def testSuiteProperty = testRunner.testCase.testSuite.getPropertyValue( "MyProp" )
def projectProperty = testRunner.testCase.testSuite.project.getPropertyValue( "MyProp" )
def globalProperty = com.eviware.soapui.SoapUI.globalProperties.getPropertyValue( "MyProp" )

// setting custom properties
testRunner.testCase.setPropertyValue( "MyProp", someValue )
testRunner.testCase.testSuite.setPropertyValue( "MyProp", someValue )
testRunner.testCase.testSuite.project.setPropertyValue( "MyProp", someValue )
com.eviware.soapui.SoapUI.globalProperties.setPropertyValue( "MyProp", someValue )

//Get all methods for object
log.info testRunner.metaClass.methods*.name
// log.info ObjectName.metaClass.methods*.name
```

```

//Groovy script assertion example
def httpstatus = context.testCase.testSteps["Request 1"].testRequest.response.responseHeaders["#status#"][0]
def status = context.expand( '${Request 1#Response#[\'status\']}' )
log.info httpstatus
if (httpstatus.contains('201')){
    log.info status
    assert status== "record created"
}
else if (httpstatus.contains('401')){
    log.info status
    assert status== "Authentication token missing"
}

//Run test step based on condition
def response = context.expand( '${Main Condition Request#Response#[\'results\']}[0][\'address_components\']}[2][\'long_name\']}' )
if (response == "California") {
    testRunner.testCase.getTestStepByName("California").setDisabled(false)
    log.info "Run California"
}
else if (response == "Massachusetts") {
    testRunner.testCase.getTestStepByName("Massachusetts").setDisabled(false)
    log.info "Run Massachusetts"
}

//Calling custom groovy script
import soapui.demo.Greet
Greet g= new Greet("AnyName", log)
g.salute()

```

```
//Run a testCase from other project from project set up script
def prj = testRunner.testCase.testSuite.project.workspace.getProjectByName("ProjectName")
testCase = prj.testSuites['TestSuiteName'].testCases['TestCaseName'].run(null,false)

//Run till a test step multiple times based on status
def count = 1

while (count < 5){
    if ( testRunner.testCase.getTestStepByName("Main Condition Request").getAssertionStatus().toString().contains('FAILED')){
        log.info "count " + count.toString()
        count = count +1
        testRunner.testCase.getTestStepByName("Main Condition Request").run(testRunner, context)
        sleep(10)
    }
}

// Add event handler RequestFilter.filterRequest to add header to all requests in the project

import com.eviware.soapui.support.types.StringToStringMap
headers = request.getRequestHeaders()
log.info headers
StringToStringMap headermap = new StringToStringMap(headers)
if (headers.containsKeyIgnoreCase("token") ){
    headermap.replace("token", "test1233NewToken")
}
else {
    headermap.put("token", "test1233NewToken")
}
request.requestHeaders = headermap
```

```
//Json slurper
http://docs.groovy-lang.org/latest/html/api/groovy/json/JsonSlurper.html
```

```
{
  "person": {
    "name": "Tom",
    "age": 33,
    "pets": ["dog","cat"]
  }
}
```

```
json slurper
import groovy.json.JsonSlurper
def slurper = new groovy.json.JsonSlurper()
def result = slurper.parseText('{ "person": { "name": "Tom", "age": 33, "pets": ["dog", "cat"] } }')
assert result.person.name == "Tom"
assert result.person.age == 33
assert result.person.pets.size() == 2
assert result.person.pets[0] == "dog"
assert result.person.pets[1] == "cat"
```

Link references:

API Docs: <http://www.soapui.org/apidocs/overview-summary.html>

Quick Tricks: <https://www.soapui.org/scripting-properties/tips-tricks.html>

Events: <https://support.smartbear.com/readyapi/docs/testing/handling-events.html>

<https://www.soapui.org/functional-testing/working-with-cdata.html#6-An-Event-Handler-to-the-Rescue>