

# SOAPUI Groovy Scripting

SOAPUI API

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

## 10 Groovy scripts on your finger tips – soapUI

```
/*  
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@Description : Collection of groovy script snippets required to achieve automation in soapUI  
*/
```

### 1. Using Log variable

```
log.info("Any Text message " + anyVariable)
```

### 2. Using Context variable

```
def myVar = context.expand( '${#TestCase#SourceTestStep}') //will expand TestCase property value into the  
new variable
```

```
context.testCase // returns the current testCase handle
```

### 3. Using TestRunner variable

```
testRunner.testCase.getTestStepByName("TestStepName")  
testRunner.testCase // return the handle to current testCase  
testRunner.testCase.testSuite.project.testSuites["My_TestSuite"]
```

### 4. Using MessageExchange variable

```
messageExchange.getEndpoint() //endpoint to the selected teststep  
messageExchange.getTimestamp() //timestamp  
messageExchange.getTimeTaken() //time taken to process the request/response
```

### 5. Using Project, TestSuite, TestCase, TestStep methods

```
def project = testRunner.testCase.testSuite.project  
def project = context.testCase.testSuite.project  
def myTestSuite = project.getTestSuiteAt(IndexNumber)  
def myTestSuite = project.getTestSuiteByName("Name of the TestSuite")  
def myTestCase = myTestSuite.getTestCaseAt(IndexNumber)  
def myTestCase = myTestSuite.getTestCaseByName("Name of the TestCase")  
def myTestStep = myTestCase.getTestStepAt(IndexNumber)  
def myTestStep = myTestCase.getTestStepByName("Name of the TestStep")
```

### 6. RawRequest & RawResponse

```
messageExchange.getRequestContentAsXml.toString()  
messageExchange.getResponseContentAsXml.toString()
```

### 7. groovyUtils & XmlHolder

```
def groovyUtils = new com.eviware.soapui.support.GroovyUtils( context )  
def holder = groovyUtils.getXmlHolder ("Assert_Script#Response")
```

### 8. Converting String into Integer & Integer into String using groovy

```
anyStringVar = anyIntegerVar.toString()  
anyIntegerVar = anyStringVar.toInteger()
```

### 9. Reading & Writing user-defined property with Groovy

```
def userIdInStep = testRunner.testCase.getTestStepByName( "UserDefinedProperty" )  
def userIdStr = userIdInStep.getPropertyValue( "myPropertyName" );  
userIdInStep.setPropertyValue("myPropertyName", "StringValueAsInput")
```

10. Refer [soapUI API docs](#) & go soapUI Pro inorder to get Advanced functionality without writing code 😊