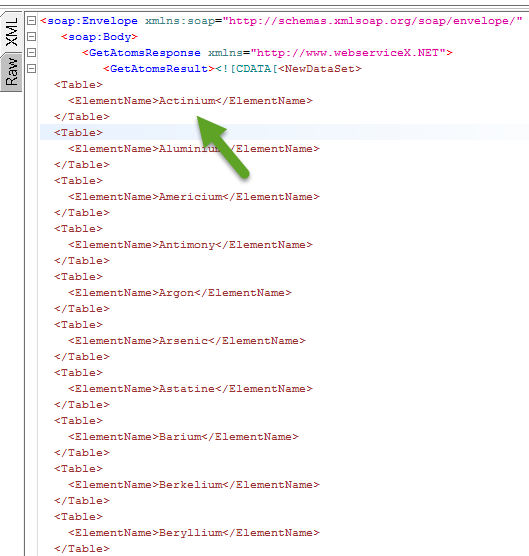
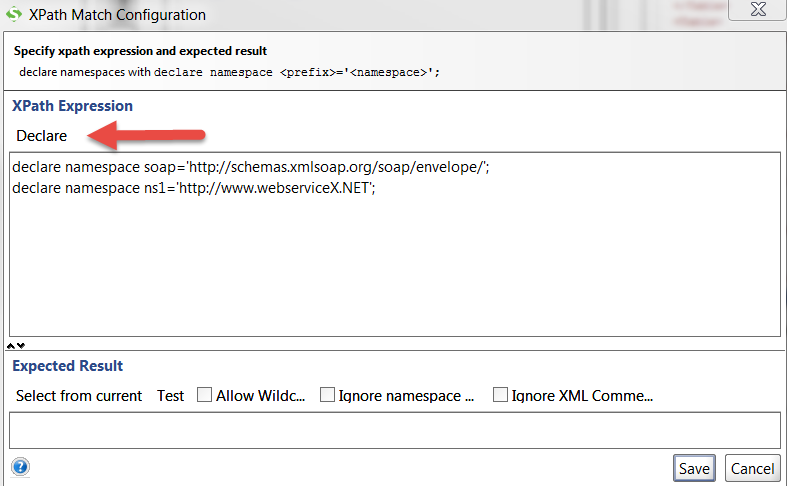
SOPAUI Assignments

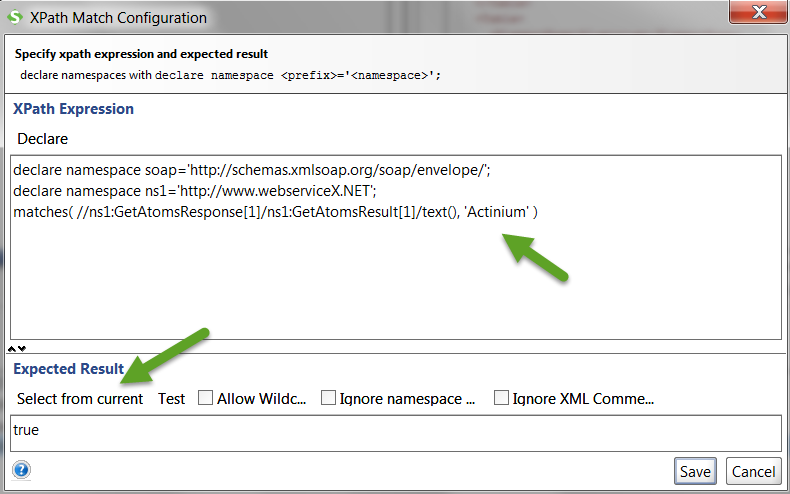
1. SOAP
2. Open Soapui Tool
3. File -> Import Project (periodictable-soapui-project.xml)
4. Create “TestSuite” as “PeriodicTable\_TestSuite”
5. Create “TestCase” as “PeriodicTable\_TestCase”
6. Create Soap Request as “GetAtoms”
   1. Select “periodictableSoap -> GetAtoms” method
   2. click checkbox as “Create optional elements” then click “ok”
   3. Run the “Test Step” and Verify the response



1. Set Assertion
   1. Valid http status code as “200”
   2. Contains “Actinium”
   3. Not contains “Sweden”
   4. XPath Match
2. Click Declare



1. Write the Expression



1. Click on “Select from current”

-----------------------------------------------------------------------------------------------

1. Create Soap Request as “GetAtomicNumber”
   1. Select “periodictableSoap -> GetAtomicNumber” method
   2. Set “Actinium” in Request



* 1. Run the “Test Step” and Verify the response

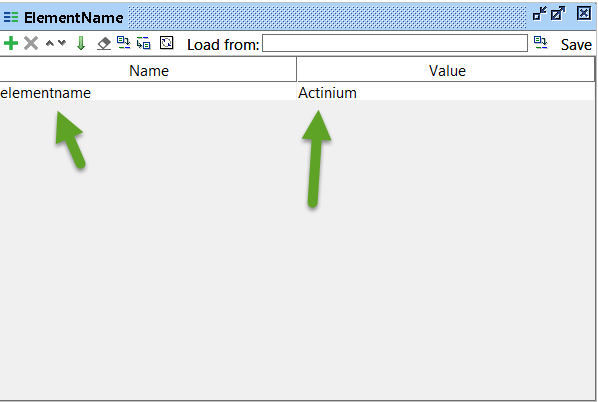


1. Set Assertion
   1. Valid http status code
   2. Contains “Ac”
   3. Not contains “AF”

-----------------------------------------------------------------------------------------------------------------

1. Properties
   1. Right click Insert Step -> Properties

* 1. Set Properties as “ElementName”
  2. Set name as “elementname”and value as “Actinium”

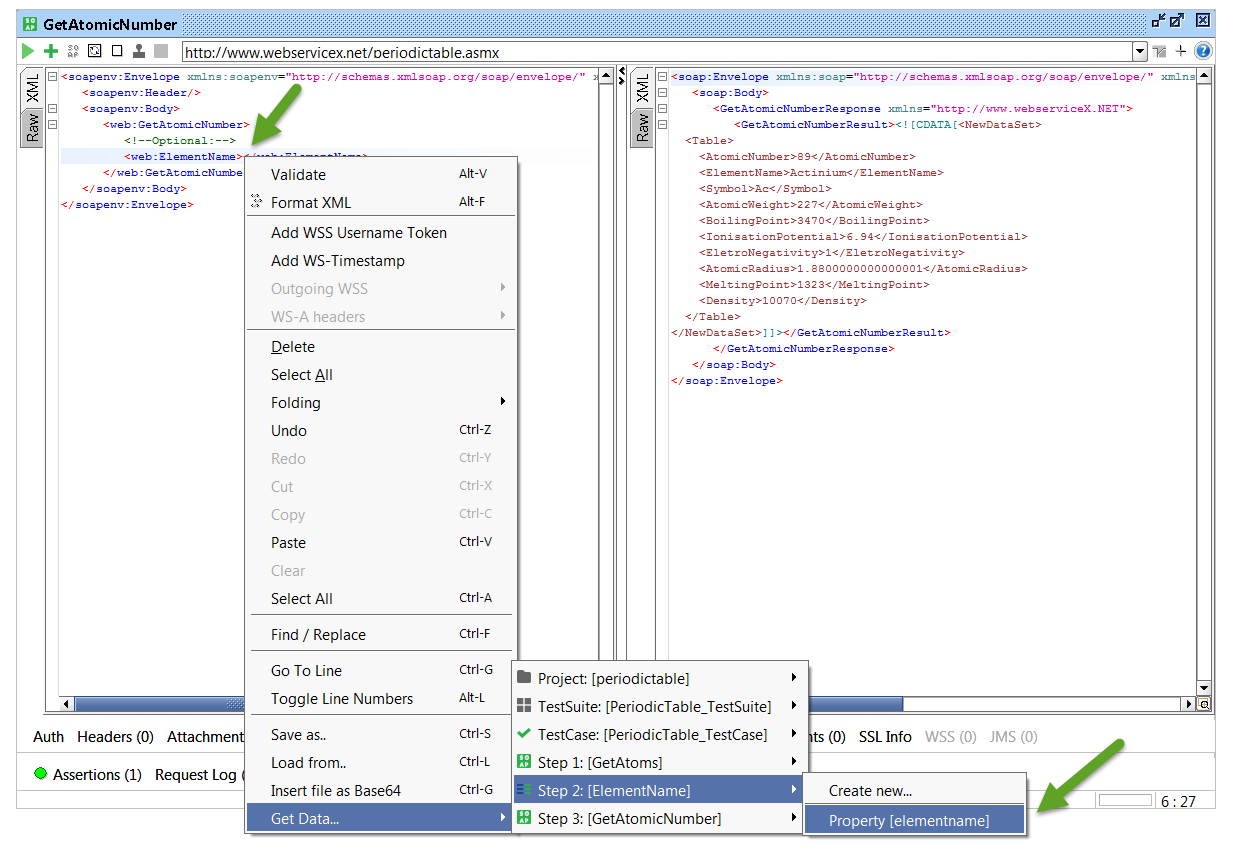


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1. Set Properties in “GetAtomicNumber” Request
   1. Remove “Actinium” from Request



* 1. Set Property value in Request
  2. Right Click Get Data->ElementName-> Property[elementname]



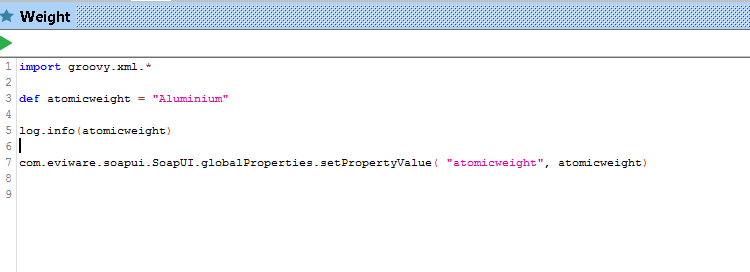


* 1. Verify the response

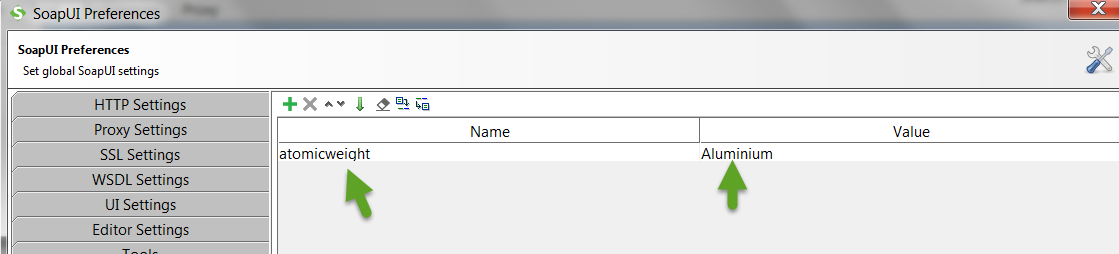


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1. Set Global Properties
   1. Right click Insert Step -> Groovy Script
   2. Set name as “Weight”
   3. Write groovy script

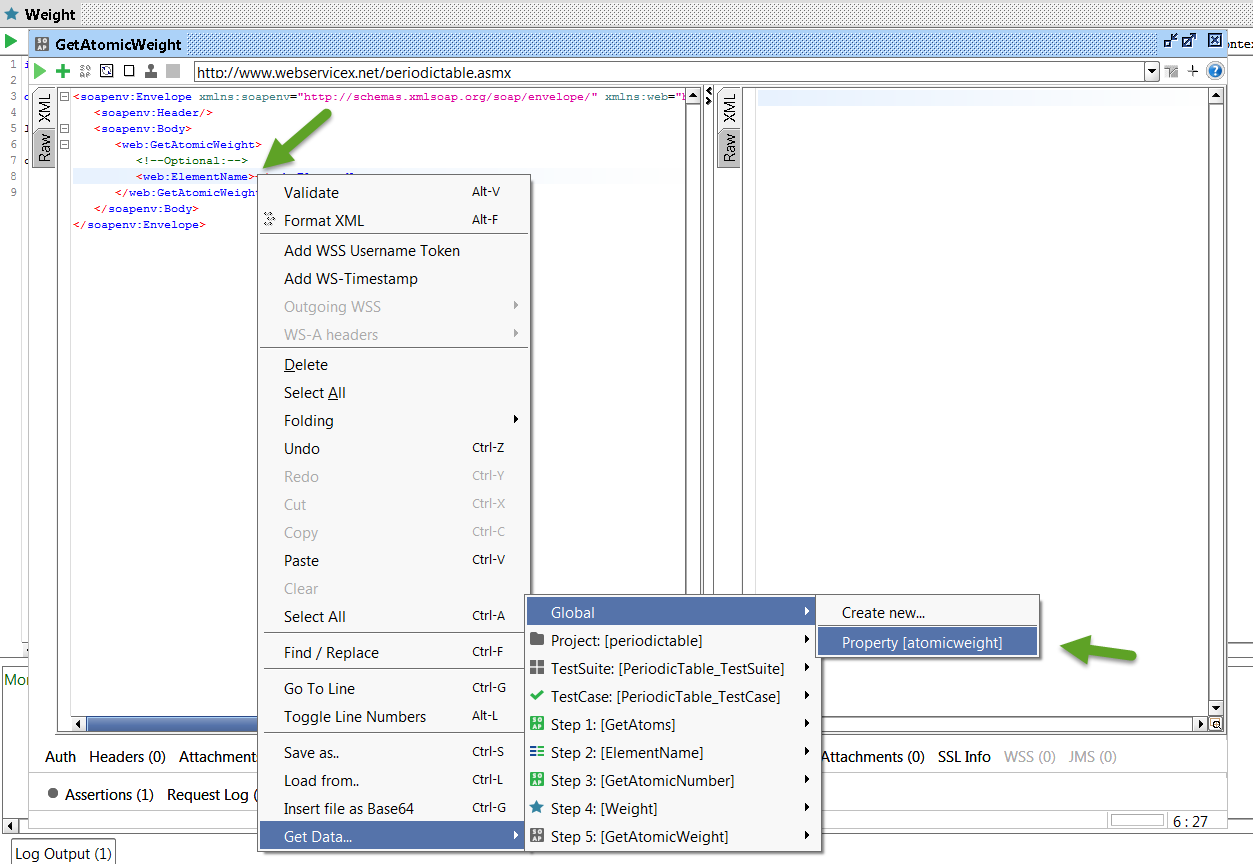


* 1. Run the groovy script
  2. Verify in “Global Property” File-> Preferences -> Global Properties

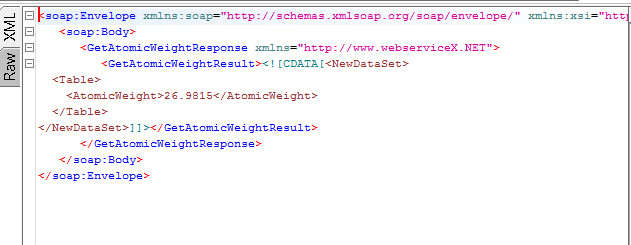


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1. Create Soap Request as “GetAtomicWeight”
   1. Select “periodictableSoap -> GetAtomicWeight” method
   2. Set Property value in Request
   3. Right Click Get Data->Global-> Property[atomicweight]



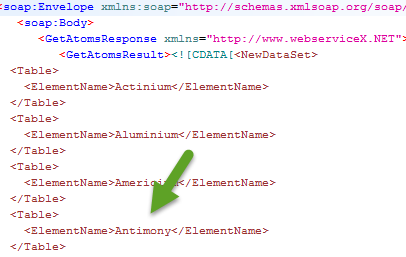
* 1. Run the “Test Step” and Verify the response



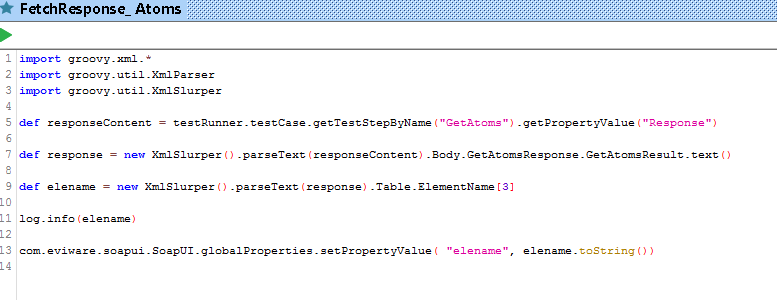
1. Set Assertion
   1. Valid http status code
   2. Contains “26.9815”
   3. Not contains “29.00”

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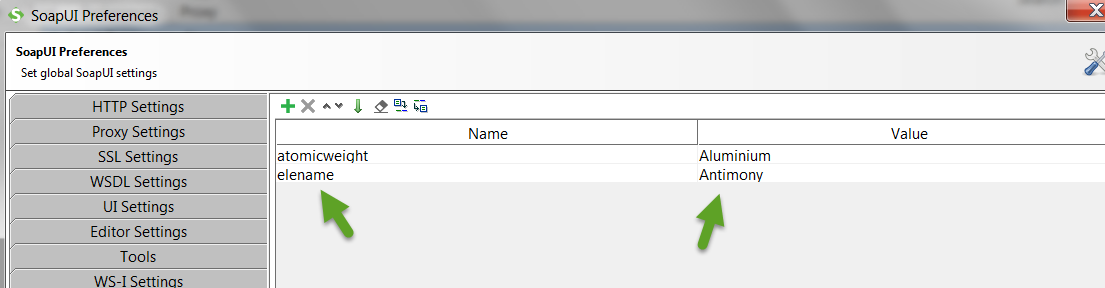
1. Fetch value from “GetAtoms” Response
   1. Right click Insert Step -> Groovy Script
   2. Set name as “FetchResponse\_ Atoms”
   3. Fetch ElementName as “Antimony”



* 1. Write groovy script

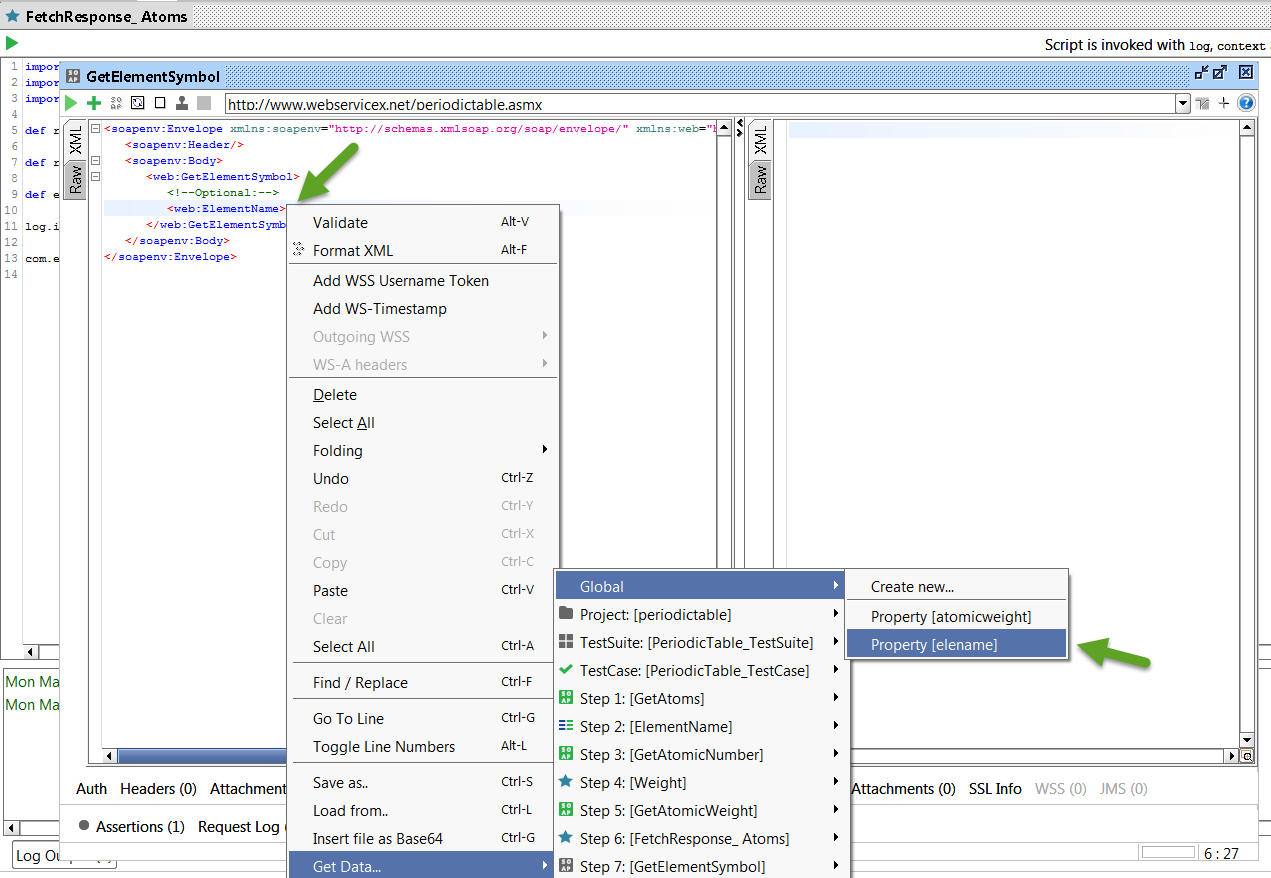


* 1. Run the groovy script
  2. Verify in “Global Property” File-> Preferences -> Global Properties

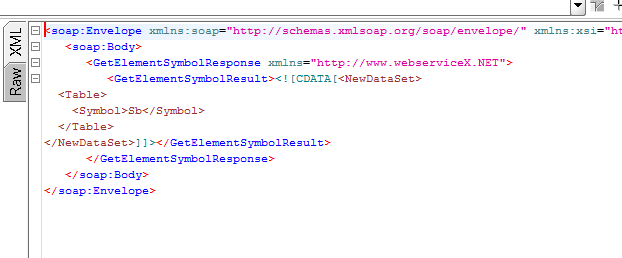


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1. Create Soap Request as “GetElementSymbol”
   1. Select “periodictableSoap -> GetElementSymbol” method
   2. Set Property value in Request
   3. Right Click Get Data->Global-> Property[elename]



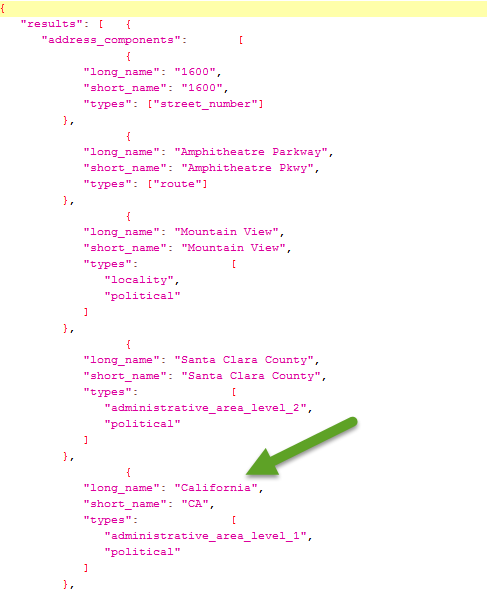
* 1. Run the “Test Step” and Verify the response



1. Set Assertion
   1. Valid http status code
   2. Contains “Sb”
   3. Not contains “AF”

-------------------------------------------End of SOAP Project-----------------------

1. REST
2. Open Soapui Tool
3. File -> Import Project (google-maps-soapui-project.xml)
4. Create “TestSuite” as “Geocoding API \_TestSuite”
5. Create “TestCase” as “Geocoding API \_TestCase”
6. Right click add “REST” Test Step as “GET - Sample Request”
7. Select “Geocoding API -> GET-> Sample Request” method
8. Run and Verify the response



1. Set Assertion
   1. Valid http status code as “200”
   2. Contains “California”
   3. Not contains “Sweden”

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1. Right click add “REST” Test Step as “GET - Region Biasing Sample”
2. Select “Geocoding API -> GET-> Region Biasing Sample” method
3. Run and Verify the response



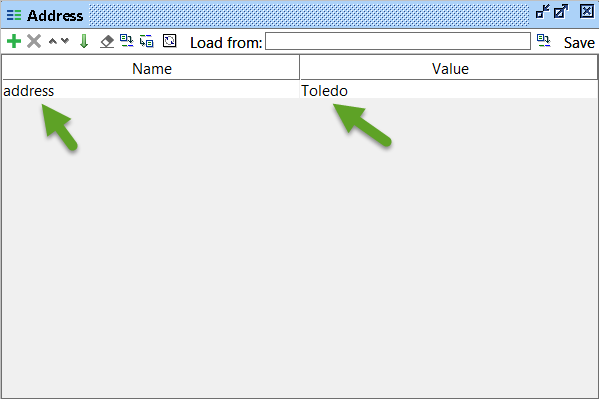
8. Set Assertion

* 1. Valid http status code as “200”
  2. Contains “Spain”
  3. Not contains “Sweden”

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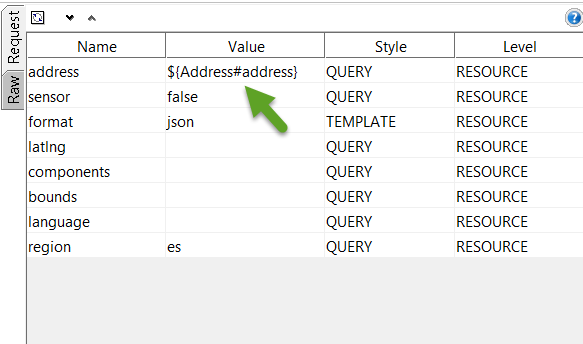
9. Properties

* + 1. Right click Insert Step -> Properties
    2. Set Properties name as “Address”
    3. Inside the Properties Set name as “address” and value as “Toledo”



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1. Set Properties in “GET - Region Biasing Sample”



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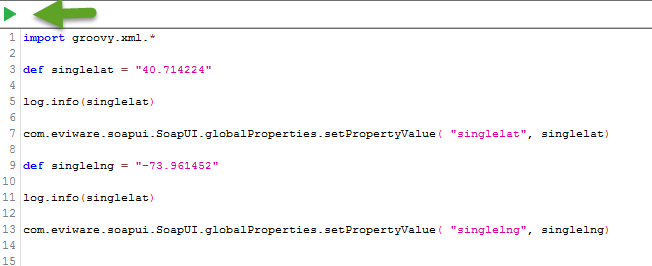
1. Right click add REST Test Step as “GET - Reverse Lookup Sample”
2. Select “Direction API -> GET-> GET - Reverse Lookup Sample” method
3. Run and Verify the response



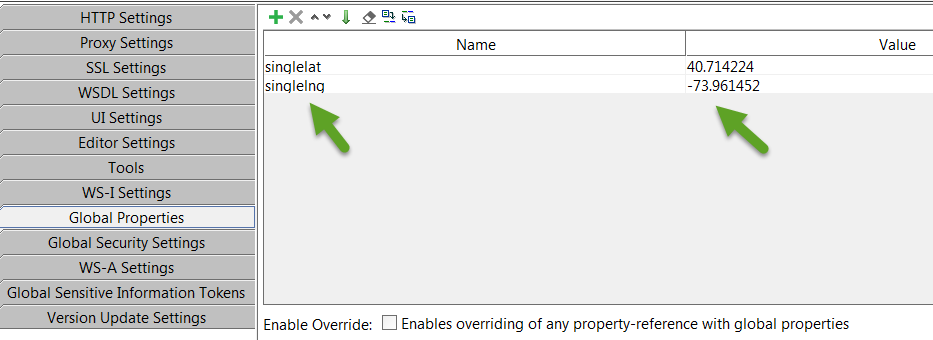
1. Set Assertion
   1. Valid http status code as “200”
   2. Contains “Brooklyn”
   3. Not contains “Stockholm”

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1. Set Global Properties
   1. Right click Insert Step -> Groovy Script
   2. Set name as “Geocoding API”
   3. Write groovy script

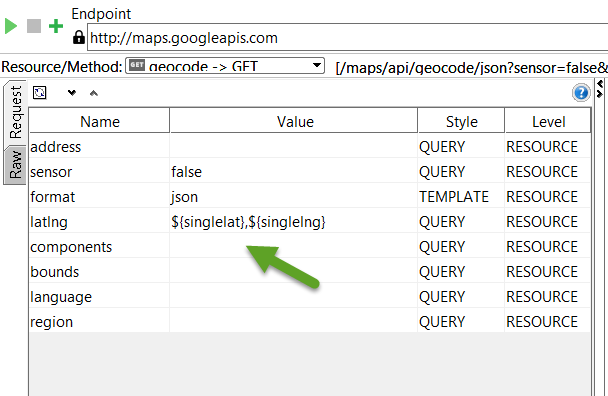


* 1. Run the groovy script
  2. Verify in “Global Property” File-> Preferences -> Global Properties



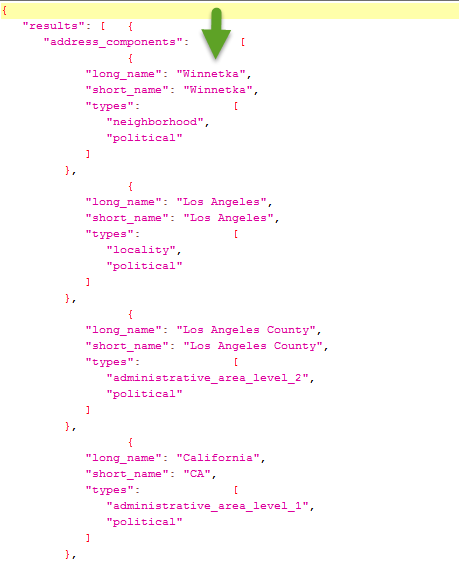
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1. Set Properties in “GET - Reverse Lookup Sample” Test Step



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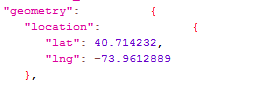
1. Right click add REST Test Step as “GET - Viewport Biasing Sample”
   1. Select “Direction API -> GET -> Viewport Biasing Sample” method
   2. Run and Verify the response



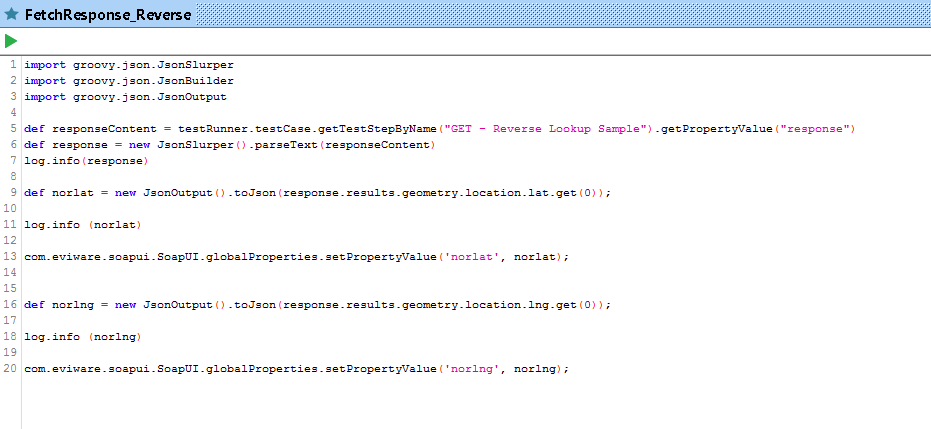
1. Set Assertion
   1. Valid http status code as “200”
   2. Contains “Winnetka”
   3. Not contains “Stockholm”

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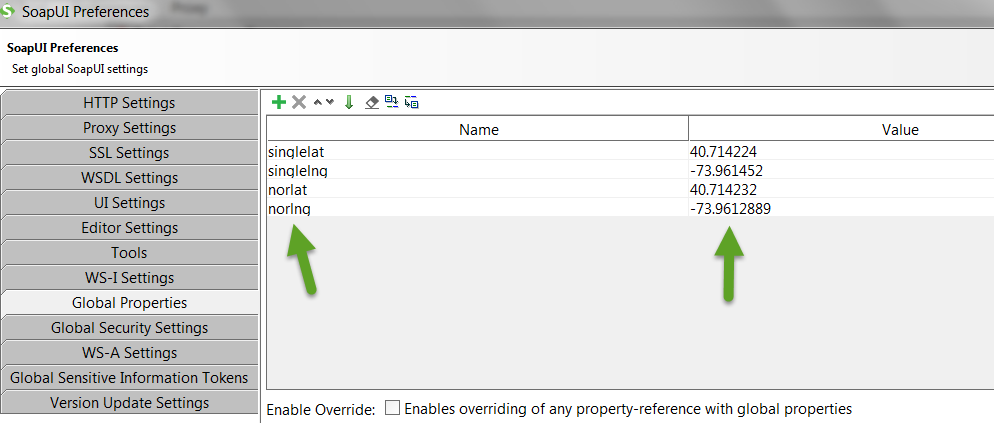
1. Fetch value from “GET - Reverse Lookup Sample” Response
   1. Right click Insert Step -> Groovy Script
   2. Set name as “FetchResponse\_Reverse”
   3. Fetch lat and lng value for both “northeast” and “southewst”



* 1. Write groovy script

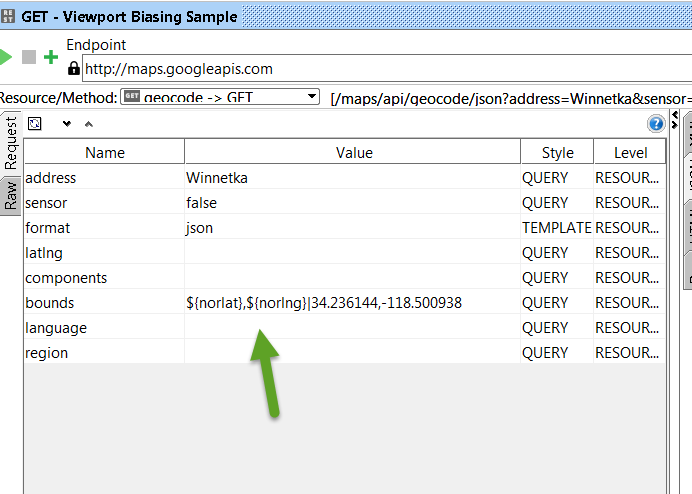


* 1. Run the groovy script
  2. Verify in “Global Property” File-> Preferences -> Global Properties



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1. Set Properties in “GET - Viewport Biasing Sample” Test Step



------------End of REST Project-------------------------------------------------------------------

1. GitHub
2. Upload both SOAP and REST Project in existing repository from last class assignment. Check in the repository should contains POM file
   1. periodictable-soap-project.xml
   2. google-maps-rest-project.xml
   3. git status
   4. git add .
   5. git commit –m “new file”
   6. git push

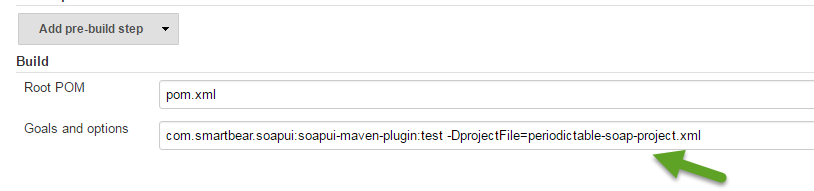
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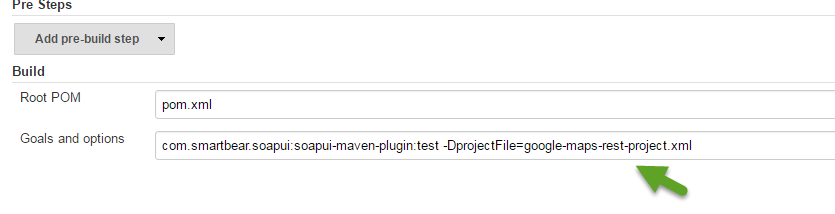
1. Jenkins
2. Create a two project

* + 1. Set Title “Soap – PeriodicTable” for “periodictable-soap-project.xml”
    2. Set Title “Rest – GoogleMaps” for “google-maps-rest-project.xml”



* + 1. Change the file name in config according to the project





* + 1. Run the jobs
    2. Check Build is Success
    3. Go to Console page and click view text

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1. Save your SOAP and REST Project also Jenkins logs in text format in to the folder and set the folder name as your “Full Name”. Zip the folder before upload in to student portal
2. Upload your Zip folder in to student portal before 16.pm on Monday (23-05-2016)

<http://studentportal.nackademin.se/mod/assign/view.php?id=6913>

