Testing PBCS REST API using SOAP UI

For our example we will test the List Files REST API. For more details you can check the Oracle Documentation for List Files REST API.

CONSTRUCTING THE REST API URL

You need to have the REST API URL to test the API. Here is how to construct the REST API URL

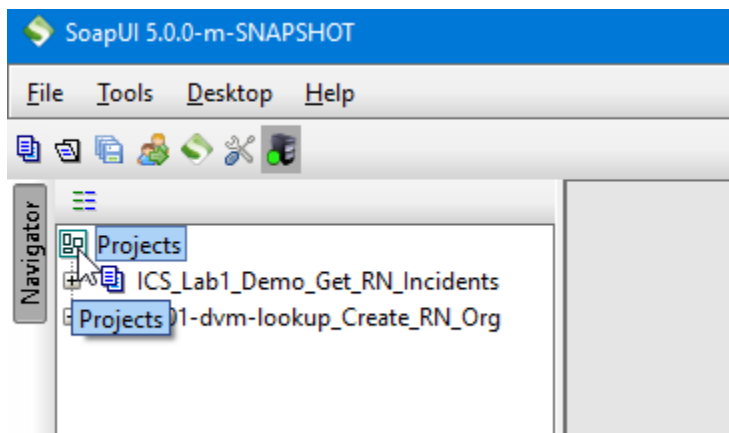https://**<SERVICE_URL>**/interop/rest/**<API_VERSION>**/applicationsnapshots

SERVICE_URL = Lets say your PBCS URL is https://planning-test-a1234567.pbcs.us2.oraclecloud.com/workspace. The service url will be https://planning-test-a1234567.pbcs.us2.oraclecloud.com
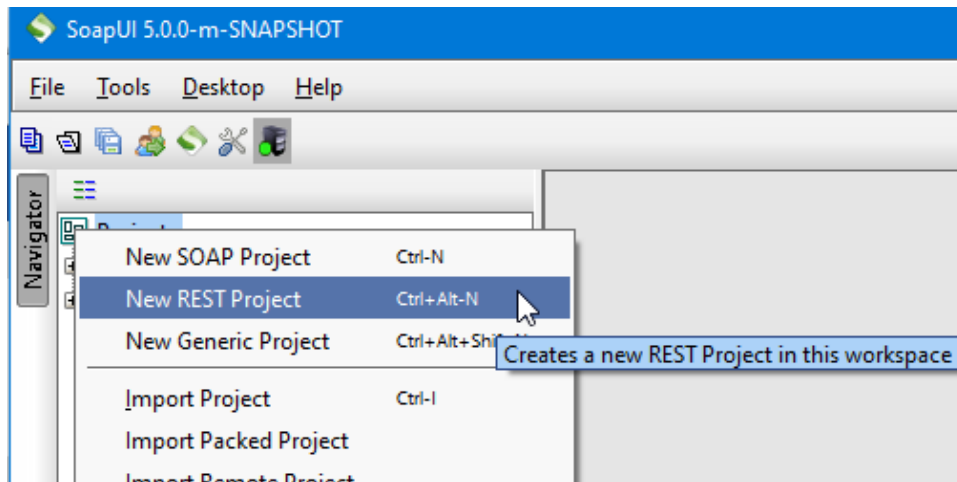
API_VERSION = For testing purpose you can use the value 11.1.2.3.600.

If you want to find out the latest version you can use the **getLCMVersions()** helper function for Groovy / Java. Here is a link to the Groovy helper functions provided by Oracle. Let me know if you are interested in knowing more about invoking REST APIs using Groovy.
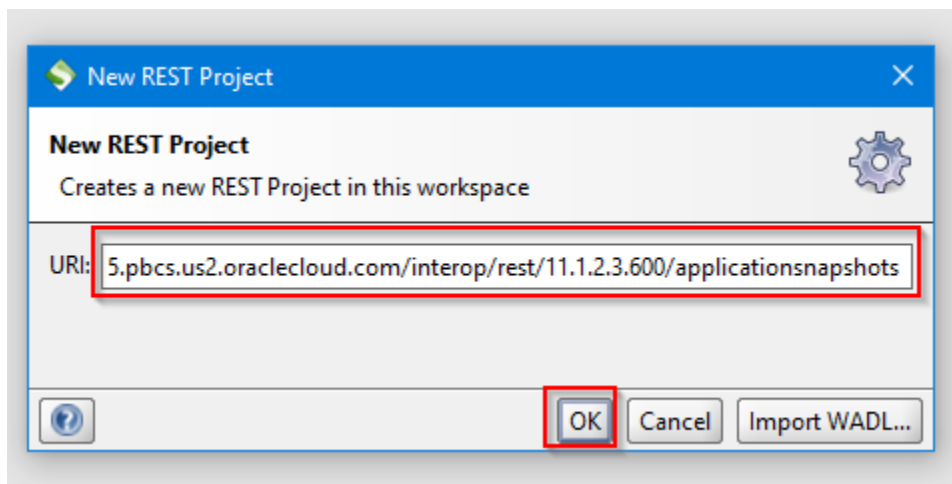
TESTING IN SOAP UI

Right click on Projects and select "New REST Project" as shown below.
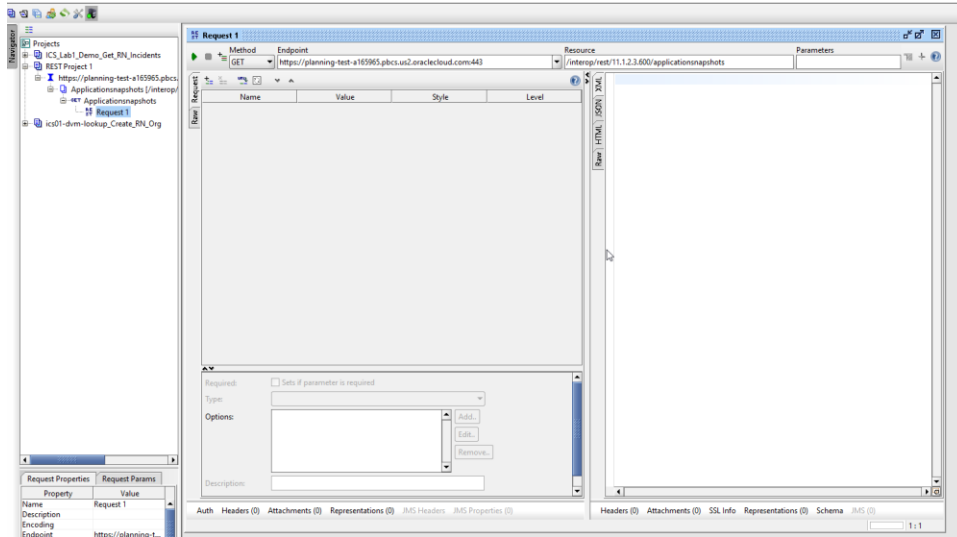
Enter the REST API URI and click Ok

You will see a window like below:

The next step is to enter the authentication information. Let's assume the following:
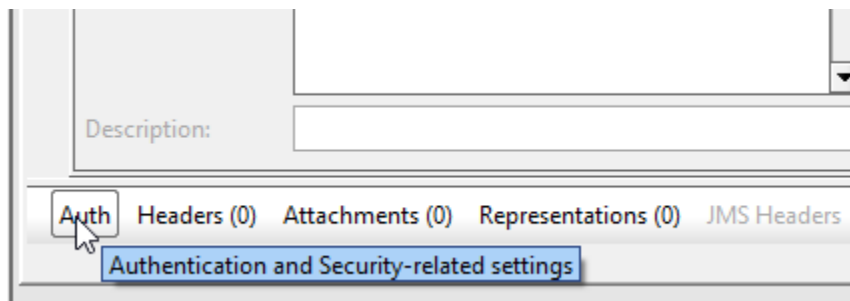
- Domain Name: a1234567
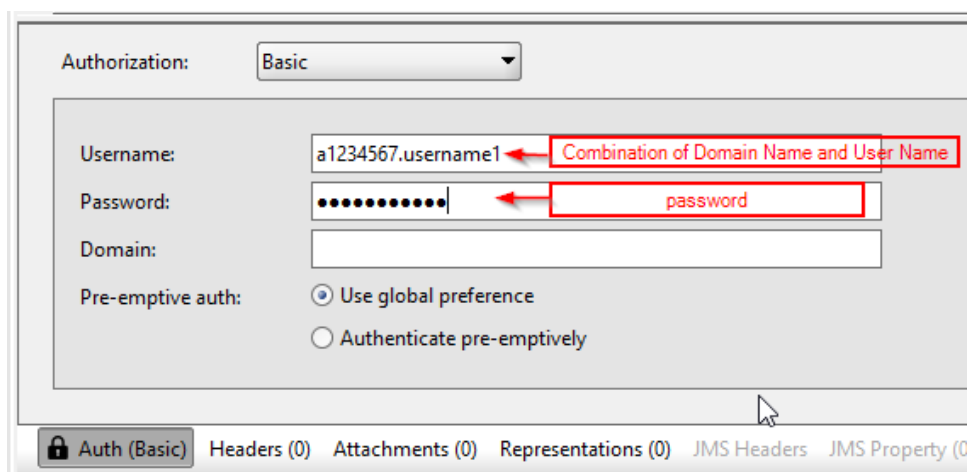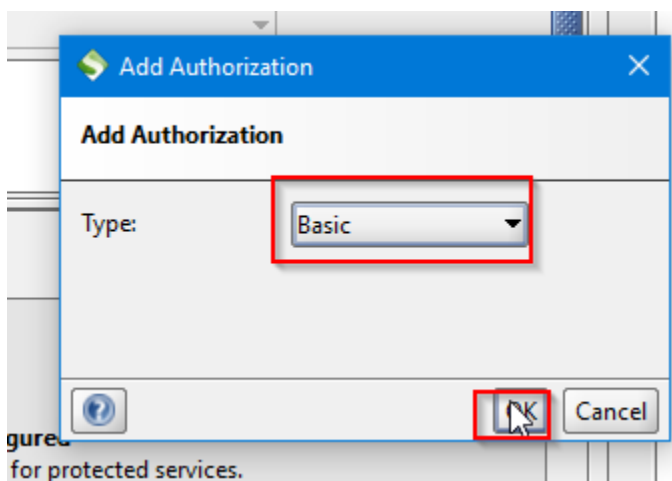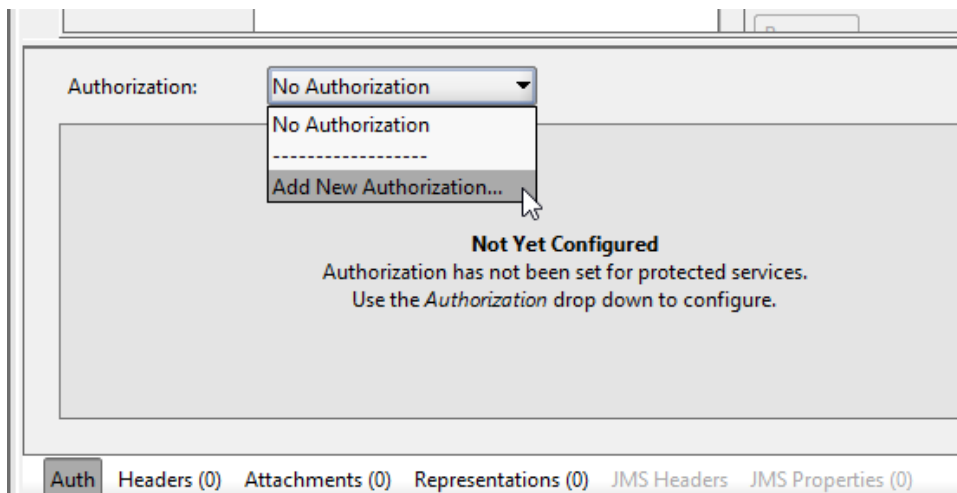- Username: username1
- Password: password123

When you are entering the authentication information in SOAP UI, make sure to follow the below convention:
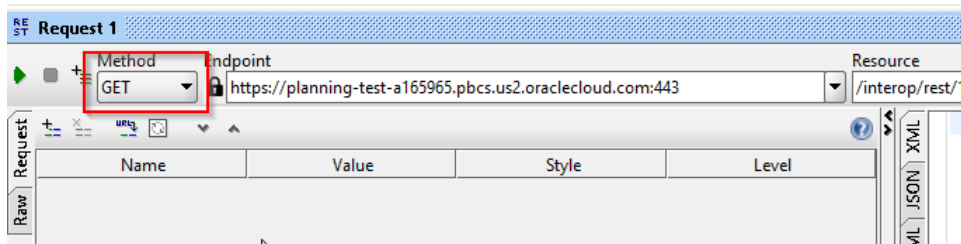
Username = Domain.username

So in our case the username field will be **a1234567.username1**

Now click on **Auth** button as shown below and select **Add New Authorization > Basic** option and enter the details as shown below.
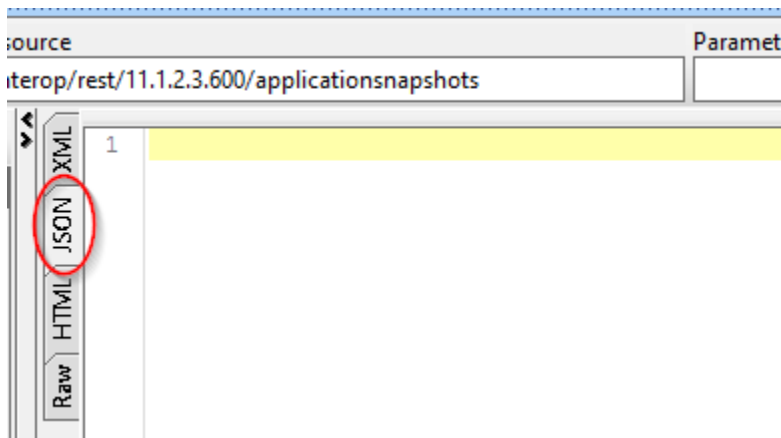
Once you are done with this. Check the Method at the top of the panel to make sure it is GET request.

You will also a run button in green which will be used to send the request. Adjacent to that is the Stop button to be used in case you want to interrupt the request.

To the right of panel you will see options to select the data format of the response. Select "JSON" as the data format.

Once the setup and configuration is complete it is time to test the API. Click on the **green Run button**. If there are no errors, you will see a JSON response like below in the right side of the panel.

Resource

/interop/rest/11.1.2.3.600/applicationsnapshots

Parameters

```
 1 {
 2     "links": [    {
 3         "data": null,
 4         "action": "GET",
 5         "href": "https://planning-test-a165965.pbcs.us2.oraclecloud.c
 6         "rel": "self"
 7     }],
 8     "status": 0,
 9     "items":     [
10             {
11             "lastModififedTime": null,
12             "name": "apr",
13             "type": "LCM",
14             "size": null
15         },
16             {
17             "lastModififedTime": null,
18             "name": "apr/2017-05-20 08_09_12",
19             "type": "LCM",
20             "size": null
21         },
```