

## Assertions Feature

It is always set prior to firing the request with the aim of validating with the response whatever is set and is being expected as per the API spec doc. Though it can be set after firing the request, but setting it prior to firing the request is the ideal case.

Types :-

1. **Contains** :- Looks for a pattern starting from the extreme left top end corner cursor. It can search for any part of a XML doc. **Can be added multiple times**
2. **Not Contains** :- Exactly opposite to Contains. **Can be added multiple times**
3. **XPath** :- It does the same for XML what path expressions does for OS to search for a file in directory. It is used to search for an data element or group of XML tags in XML. It contains two window

**Xpath Expression** : - Clicking on 'Declare', all the name spaces gets declared. Here we mention the Xpath expression against which value is expected and to be validated.

**Expected Result** :- Here the expected content within that Xpath is put.

**Select From Current** :- Clicking on that populates the Expected Result window with the result from the received response

corresponding to the Xpath.

**Test** :- If the Xpath is present & value in the Expected Result window matches with the one received in the response, then on clicking on 'Test' shows the success message. Otherwise failure.

*Allow Wild cards* :- This feature is used to ignore a particular data item that is dynamic and random in nature. For example Session ID. Instead of the actual value use \* and check the "Allow Wild cards" check box while setting. **Can be added multiple times**

**4. SOAP Response** :- Validates if the received response is SOAP compliant. If yes, then green. It is added at the time of adding a test step. **Can be added one time**

**5. Schema Compliance** :- Checks if the received response is in accordance with the schema of the WSDL. If yes, then green. **Can be added one time**

**6. SOAP Fault** :- If the received response has any SOAP fault then it is green. **Can be added one time**

**7. Not SOAP Fault** :- If the received response has any SOAP fault then it is red. **Can be added one time**

**8. Valid HTTP Status Codes** :- Checks if the received response's HTTP code is what is put as a part of the Assertion. If yes, then green. **Can be added one time**

**9. Invalid HTTP Status Codes** :- Checks if the received response's HTTP code is not what is put as a part of the Assertion. If yes, then green. **Can be added one time**

10. SLA Response :- Checks if the response is received within a specified time(in milliseconds) as mentioned in the SLA Response Assertion. If received within, then green.Can be added one time

11. Sensitive Information Exposure :- Behaves exactly same as Not Contains, but here multiple items can be validated as a part of single assertion unlike Not Contains.Can be added one time