

XML request body comparisons in Mock Server

In this post, we will see, how we can use variables in XML request body to make mock server more useful for our needs. Mock server request body matching works in the same way as we compare response body by using Default Validator for vREST Test cases.

We will now cover various scenarios to match XML request body:

Scenario 1: When we want to compare static XML request body in the incoming mock request

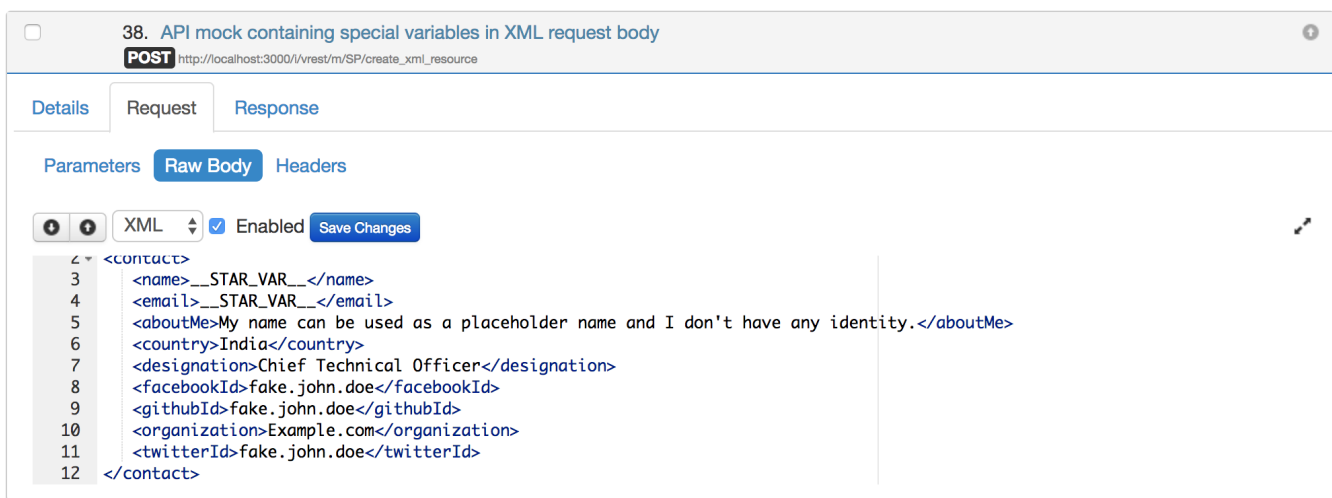
If we want to return some API mock response based on static XML request body then in that case, simply define the static XML request body in **API Mock >> Request tab >> Raw Body sub tab**.



Now, in the incoming mock request, if the request URL and method matches and request body of the incoming mock request matches exactly with the XML body specified in the above image then mock server will return the response specified in the response tab of this API mock.

Scenario 2: When we want to ignore values of some of the fields of the XML request body in the incoming mock request

Now, suppose in scenario 1, we don't want to compare the value of name and email value in the XML request body then we may write the raw body like this by using special variable `__STAR_VAR__`:



Scenario 3: When we want to only compare some specific data of the XML request body in the incoming mock request

Now, suppose we want to validate the existence of name tag and want to compare the value of email tag and we want to ignore rest of the properties in the XML request body, then we may write the raw body like this:

39. API mock for partial XML request body comparison

POST http://localhost:3000/vrest/m/SP/create_xml_resource

Details Request Response

Parameters Raw Body Headers

XML Enabled Save Changes

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <contact>
3   <name>__STAR_VAR__</name>
4   <email>john.doe@example.com</email>
5   <__STAR_VAR__>
6 </contact>
```

Scenario 4: When we want to use some part of the incoming XML request body in constructing the response of this mock API.

Now suppose we want to extract the name and email property from the incoming mock request and we want to use these properties in constructing the response of our Mock API. First we will see, how we may extract values from incoming XML request body:

To extract the name and email property from the request XML body, simply declare them as variables in the XML request body as shown below.

40. API mock for extracting values from XML request body to use it in mock response

POST http://localhost:3000/vrest/m/SP/create_resource

Details Request Response

Parameters Raw Body Headers

XML Enabled Save Changes

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <contact>
3   <name>{{name}}</name>
4   <email>{{email}}</email>
5   <__STAR_VAR__>
6 </contact>
```

Now, you may use these extracted variables in the API mock response like this:

40. API mock for extracting values from XML request body to use it in mock response

POST http://localhost:3000/vrest/m/SP/create_resource

Details Request **Response**

Body Headers

XML Status Code 200 Save Changes

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <contact id="{{email}}">
3   <name>{{name}}</name>
4   <email>{{email}}</email>
5 </contact>
```