Release Notes 2.3.33 (Appway WebServices Extension)
Patch Release | 12.10.2016

Changes since version 2.3.32 of the WebServices extension.

- Change: Removed unused references to 'soapOpHeaders' variables from the generated client. SOAP Headers can be added using the $soapClient.headers.setElement('soapHeaders') function.

- Bugfix: Collaterals are now populated when a SOAP fault is received.

- Bugfix: Fixed an issue which provided wrong escapes to query parameters, even if provided as a DataMap. See below for more details.

Special characters not escaped in REST Client

Up to version 2.3.32, the *WebServices extension* had a bug related to the encoding of the query strings for REST calls. As described in the WebServices extension documentation, a call to an HTTP method can be performed by providing:

- a String containing a query string
  or
- a DataMap

As stated in the WebServices documentation (see section 3.7.2), in both cases the content has to be properly encoded using the so-called URL encoding.

Query string case

Up to version 2.3.32, a query string containing url encoded characters like in the following example:

```
String $queryString := 'my%20params=A%26B';

RestClient $rs := new RestClient;
$rs.setBaseURI('http://acme.com');
$rs.httpGet('/clients', $queryString);
```

was translated to the URL:

```
http://acme.com/clients?my%2520params=A%2526B
```

resulting in an unnecessary encoding of the special character '`%`'.

From version 2.3.33, the URL is correctly translated as:

```
http://acme.com/clients?my%20params=A%26B
```

DataMap case

Up to version 2.3.32, a Data Map (`Named Collection`) with the required parameter name-value pairs with encoded content like in the following example:

```
Named String $map := NewNamed('String');
$map.setElement('post_name', '100%25_test');
$map.setElement('query%20param', '100%25_test');

RestClient $rs := new RestClient;
$rs.setBaseURI('http://acme.com');
$rs.httpGet('/posts/{post_name}/comments/', $map);
```

was translated to the URL:

```
http://acme.com/posts/100%25_test/comments/?query%2520param=100%2525_t
est
```

resulting in the correct replacement for the URL placeholder, but an unnecessary encoding of the special character '`%`' in the query parameter.

From version 2.3.33, the URL is correctly translated as:

```
http://acme.com/posts/100%25_test/comments/?query+param=100%25_test
```