ALM 16 introduced a security feature to mitigate the Cross-Site request forgery. This

requires REST calls to include a X-XSRF-TOKEN. The following examples show how to make a REST call with the

X-XSRF-TOKEN header.

1. Login

POST

[https://xxx.saas.microfocus.com/qcbin/rest/oauth2/login](https://almorgdemo16.saas.microfocus.com/qcbin/rest/oauth2/login)

Header

Accept application/json

Content-Type application/json

Body

             {

              "clientId": "apikey-dgkassditsfcejgntofm",

              "secret": "xxxxxxxx"

             }

Graphical user interface, application, Teams

Description automatically generated

Get the XSRF-TOKEN to be used for subsequent non GET requests.

A screenshot of a computer

Description automatically generated

1. List an example defect to get the fields available

GET

[https://xxx.saas.microfocus.com/qcbin/rest/domains/default/projects/for\_thanh/defects](https://almorgdemo16.saas.microfocus.com/qcbin/rest/domains/default/projects/for_thanh/defects)

Header

                Accept application/xml

Graphical user interface, text, application, email

Description automatically generated

1. Perform a query on Defects

GET

       https://xxx.saas.microfocus.com/qcbin/rest/domains/default/projects/for\_thanh/defects?fields=name,id,status&query={id[>1];owner['saas\_tphan'];status['New' OR 'Open']}

Header

                Accept application/xml

Graphical user interface, text, application, email

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Note: X-XSRF-TOKEN is not required for GET requests.

1. Add a Defect

POST

[https://xxx.saas.microfocus.com/qcbin/rest/domains/default/projects/for\_thanh/defects](https://almorgdemo16.saas.microfocus.com/qcbin/rest/domains/default/projects/for_thanh/defects)

Header

                Accept application/xml

                Content-Type application/xml

X-XSRF-TOKEN <value from XSRF-TOKEN cookie returned from login session>

Body

<Entity Type="defect">

     <Fields>

      <Field Name="detected-by">

         <Value>saas\_tphan</Value>

         </Field>

      <Field Name="creation-time">

         <Value>2022-09-22</Value>

         </Field>

      <Field Name="severity">

         <Value>2-Medium</Value>

         </Field>

      <Field Name="status">

         <Value>New</Value>

         </Field>

      <Field Name="name">

         <Value>Defect for thanh</Value>

         </Field>

     <Field Name="target-rcyc">

        <Value ReferenceValue="Cycle 1 - New Features">1001</Value>

        </Field>

    <Field Name="target-rel">

        <Value ReferenceValue="Release 10.5">1001</Value>

        </Field>

    <Field Name="user-01">

        <Value>Booking System</Value>

        </Field>

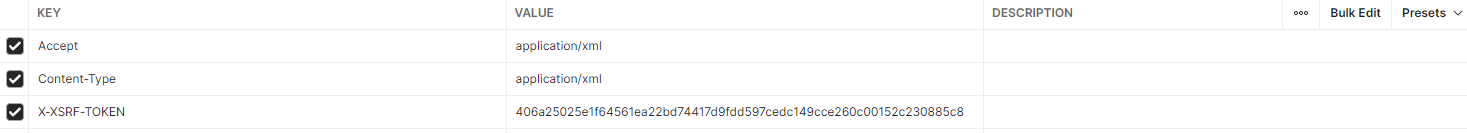
    <Field Name="user-05">

        <Value>Defect</Value>

        </Field>

   </Fields>

</Entity>



Graphical user interface, text, application

Description automatically generated

Notes: You will need to add a value for all require fields. Notice that you need to provide the X-XSRF-TOKEN. The value from this parameter comes from the response of the login request.

1. Update a Defect

PUT

            https://xxx.saas.microfocus.com/qcbin/rest/domains/default/projects/for\_thanh/defects/11

Header

                Accept application/xml

                Content-Type application/xml

X-XSRF-TOKEN <value from XSRF-TOKEN cookie returned from login session>

Body

<Entity Type="defect">

     <Fields>

        <Field Name="status">

         <Value>Open</Value>

         </Field>

          </Fields>

</Entity>

Graphical user interface, text, application, email

Description automatically generated

1. Delete a defect

DELETE

            https://xxx.saas.microfocus.com/qcbin/rest/domains/default/projects/for\_thanh/defects/11

Header

                Accept application/xml

X-XSRF-TOKEN <value from XSRF-TOKEN cookie returned from login session>

Graphical user interface, text, application, email

Description automatically generated

1. Logout

POST

                https://xxx.saas.microfocus.com/qcbin/authentication-point/logout

Graphical user interface, text, application, email

Description automatically generated