

Now for single Item:

The screenshot shows a web application interface on the left and its SOAP response on the right. The web application is running on 192.168.0.186/InnovatorServer/. It has a login section with fields for User (admin), Password, and Database (InnovatorSolutions). Below the login section is an 'Apply AML' section with a dropdown for Action (Apply AML) and a text box for the AML query. The AML query is: `<AML>  
<Item type='sg_customer' action='get' select='cus1,cus2' id='F1CCA001A08E4FD0987509B554C74EEC'>  
</Item>  
</AML>`. Below the AML query is a 'Run time, sec: 0.020' and a 'Result' button. The SOAP response on the right is: 

```
<?xml version='1.0' encoding='UTF-8'>  
<SOAP-ENV:Envelope xmlns:SOAP-ENV='http://schemas.xmlsoap.org/soap/envelope/'>  
<SOAP-ENV:Body>  
<Result>  
<Item type='sg_customer' typeId='97A42B75D65546D296A17F25675C5514' id='F1CCA001A08E4FD0987509B554C74EEC'>  
<cus1>82682</cus1>  
<cus2>209</cus2>  
<id keyed_name='F1CCA001A08E4FD0987509B554C74EEC' type='sg_customer'>  
>F1CCA001A08E4FD0987509B554C74EEC</id>  
</Item>  
</Result>  
</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

Cus1 and cus2 are the properties.

<AML>

<Item type='sg\_customer' action='get' id ="F1CCA001A08E4FD0987509B554C74EEC"  
select='cus1,cus2' >

</Item>

</AML>

## Task 2: To edit the value of date property of a particular item.

Editing the date value by using id of item

The screenshot shows a web application interface for editing a customer item. The left pane displays the 'InnovatorServer' login page with fields for User (admin), Password, Database (InnovatorSolutions), and various settings like TimeZone and Culture. The right pane shows the SOAP-ENV:Envelope XML structure for the 'edit' action. The XML includes the item's ID, key, and the date property to be updated. The 'date' property is set to '2023-10-25T01:59:54'. The 'Result' tab shows the response XML, which includes the updated item details and a message indicating the item was modified successfully.

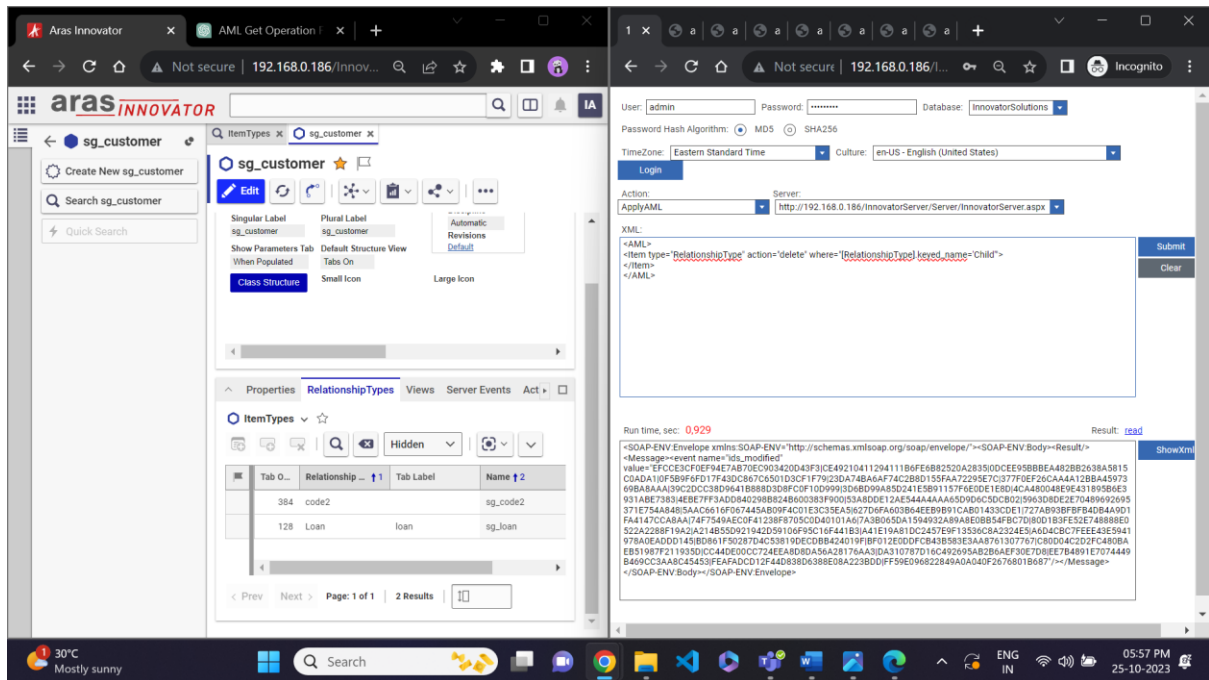
Editing the date value by using where attribute

The screenshot shows the same web application interface, but the XML structure for the 'edit' action is different. The 'where' attribute is used to specify the item to be updated, based on the 'date' property. The XML includes the item's ID, key, and the date property to be updated. The 'date' property is set to '2023-10-25T01:59:54'. The 'Result' tab shows the response XML, which includes the updated item details and a message indicating the item was modified successfully.

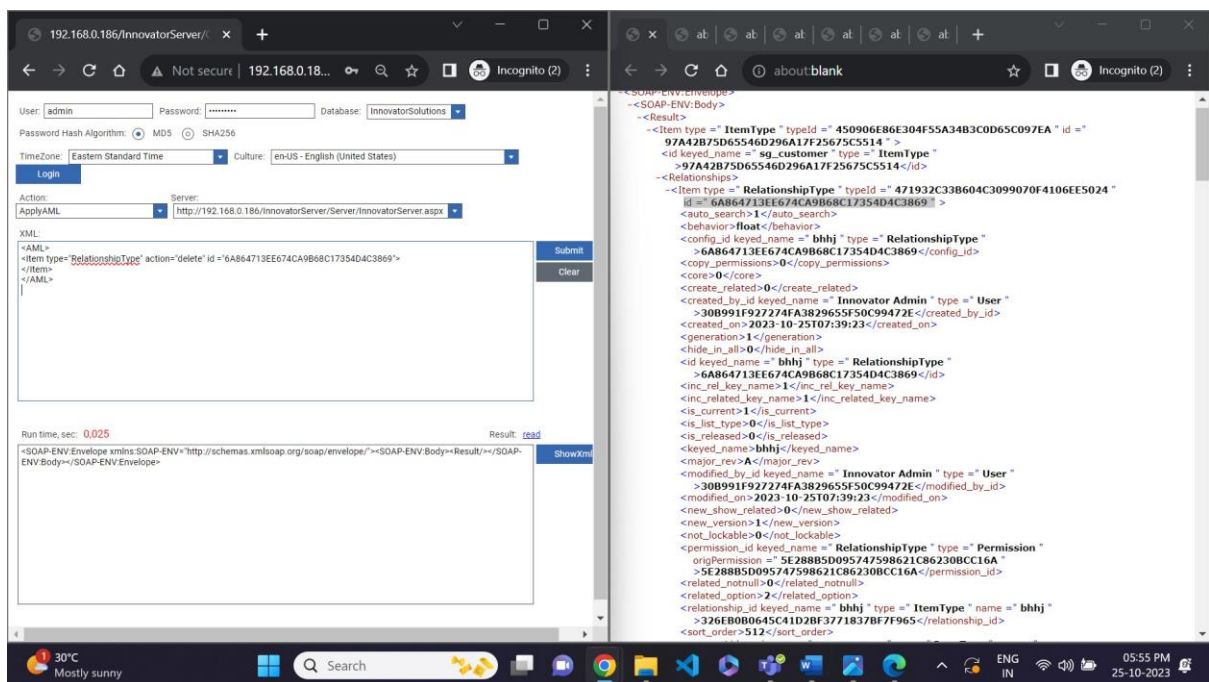
&lt;/AML&gt;

&lt;/AML&gt;

### Using where attribute



Using id:





## Task 5: Get the Permission of itemtype.

The screenshot shows a web application interface on the left and its XML response on the right. The web application is running on 192.168.0.186 and is titled 'InnovatorServer'. It has a login form with fields for 'User' (admin), 'Password' (\*\*\*\*\*), and 'Database' (InnovatorSolutions). The 'Password Hash Algorithm' is set to MD5, and the 'Timezone' is Eastern Standard Time. The 'Culture' is en-US - English (United States). The 'Action' is 'ApplyAML' and the 'Server' is 'http://192.168.0.186/InnovatorServer/Server/InnovatorServer.aspx'. The 'XML' field contains the following AML request:

```
<AML>
  <Item type="ItemType" action="get" id="97A42B75D65546D296A17F25675C5514" select="Relationships">
    <Relationships>
      <Item type="Allowed Permission" action="get" select="related_id">
        <related_id action="get" select="keyed_name">
          <Item type="Permission" action="get" select="name"></Item>
        </related_id>
      </Item>
    </Relationships>
  </Item>
</AML>
```

The XML response on the right shows the result of the AML request. It is a SOAP-ENV Envelope with a Result element containing the following XML:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <Result>
      <Item type="ItemType" type="sg_customer" id="97A42B75D65546D296A17F25675C5514">
        <Relationships>
          <Item type="Allowed Permission" type="sg_customer" id="97A42B75D65546D296A17F25675C5514">
            <related_id action="get" select="keyed_name">
              <Item type="Permission" type="sg_customer" id="97A42B75D65546D296A17F25675C5514">
                <name>World Can Get</name>
              </Item>
            </related_id>
          </Item>
        </Relationships>
      </Item>
    </Result>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

<AML>

<Item type="ItemType" action="get" id="97A42B75D65546D296A17F25675C5514" select="Relationships">

<Relationships>

<Item type="Allowed Permission" action="get" select="related\_id">

<related\_id action="get" select="keyed\_name">

<Item type="Permission" action="get" select="name"></Item>

</related\_id>

</Item>

</Relationships>

</Item>

</AML>