

# AML Task

## Task 1: change data type of the Property.

The image displays two screenshots of the Aras Innovator web application, illustrating the process of changing the data type of a property.

**Left Screenshot:** The 'Properties' tab is selected for the 'sg\_customer' object. The 'Properties' table shows the following data:

Name	Label	Data Type	Data Source	Le...	Pr...
css		Text			
current_state		Item	Life Cycle State		
customer_age	customer_age	Integer			
customer_name	customer_name	Text			
generation		Integer			
id		Item	en_customer		

The 'customer\_age' property is highlighted in yellow. The 'Data Type' column for 'customer\_age' is currently 'Integer'.

**Right Screenshot:** The 'Properties' tab is still selected, but the 'Data Type' for 'customer\_age' has been changed to 'Text'. The 'Data Type' column for 'customer\_age' now shows 'Text'.

The 'XML' tab is also visible, showing the XML structure for the 'sg\_customer' object. The XML structure is as follows:

```
<AML>
  <item type="ItemType" action="edit" id="ACBA53B75FFA48929ED5E49F94B41A96" select="Relationships">
    <Relationships>
      <item type="Property" action="edit" id="DF6D3E52732243C8886A8596BEC0D251">
        <data_type>text</data_type>
      </item>
    </Relationships>
  </item>
</AML>
```

The 'data\_type' element is highlighted in red, indicating the change from 'Integer' to 'Text'.

## Task 2: Remove Transition role then add another.

### Removing transition

The screenshot displays the Aras Innovator web application interface. The left pane shows the 'sg\_Loan' item configuration. The 'State' tab is active, showing a state diagram with three states: 'Development', 'Testing', and 'Deployment'. The 'Transition' tab is also visible, showing a transition diagram. The right pane shows the 'XML' configuration, which includes a 'Life Cycle Map' and a 'Life Cycle Transition'.

The 'XML' configuration is as follows:

```
<AML>
  <Item type="ItemType" action="edit" id="ACBA53B75FFA48929ED5E49F94B41A96" select="Relationships">
    <Relationships>
      <Item type="ItemType Life Cycle" action="edit" id="6AF074CF553E4C908151AC8D64E96233">
        <related_id>
          <Item type="Life Cycle Map" action="edit" id="A8D868648C604965884A82218E59C07" >
        </related_id>
      </Item>
    </Relationships>
  </Item>
  <Item type="Life Cycle Transition" action="delete" id="27122016F7A6472D811B812864765181">
  </Item>
</AML>
```

The 'Run time, sec: 0.224' is displayed below the XML configuration.

The bottom pane shows the 'State' tab with a state diagram. The 'Transition' tab is also visible, showing a transition diagram.

## Adding Transition

The screenshots show the Aras Innovator interface for editing a Life Cycle Map named 'sg\_Loan'. The top screenshot shows the 'Transition' tab with a diagram of states (Start, Design, Development) and a transition from Design to Development. The bottom screenshot shows the same map after adding a transition, with a red arrow indicating the new transition from Start to Design. The right-hand pane in both screenshots displays the XML configuration for the map and transition.

TimeZone: Eastern Standard Time Culture: en-US - English (United States) Login

Action: ApplyAML Server: http://localhost/InnovatorServer/Server/InnovatorServer.aspx

XML:

```
<AML>
<Item type="Life Cycle Map" action="edit" id="A8D886848C604965884AB82218E59C07">
  <Relationships>
    <Item type="Life Cycle Transition" action="add" >
      <from_state>FCC23461F09C4B3BAE5F21FB32CA47FF</from_state>
      <to_state>E57DEDD9B78B483FAEAE7E0BC75817D6</to_state>
    </Item>
  </Relationships>
</Item>
</AML>
```

Run time, sec: 0.032

SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"><SOAP-ENV:Body><Result type="Life Cycle Map" typeId="AC32527D85604A4D9F09107C516AEF47" id="A8D886848C604965884AB82218E59C07"><config\_id keyed\_name="sg\_Loan" type="Life Cycle Map">A8D886848C604965884AB82218E59C07</config\_id><keyed\_name="Innovator Admin" type="User">30B991F927274FA3829655F50C99472E</created\_by\_id><created\_on>271073129</created\_on><generation>1</generation><id keyed\_name="sg\_Loan" type="Life Cycle Map">A8D886848C604965884AB82218E59C07</id><is\_current>1</is\_current><is\_released>0</is\_released><keyed\_name="sg\_Loan"></keyed\_name><major\_rev>A</major\_rev><modified\_by\_id keyed\_name="Innovator Admin" type="User">30B991F927274FA3829655F50C99472E</modified\_by\_id><modified\_on>2023-10-31T04:43:37</modified\_on><new\_version>1</new\_version><not\_lockable>0</not\_lockable><permission\_id keyed\_name="Life Cycle Map" type="Permission" origPermission="6C082E8B8F524B79B12ADFFCBB252967">6C082E8B8F524B79B12ADFFCBB252967</permission\_id><start\_state keyed\_name="Start" type="Life Cycle State">FCC23461F09C4B3BAE5F21FB32CA47FF</start\_state>

<AML>

<Item type="Life Cycle Map" action="edit" id="A8D886848C604965884AB82218E59C07">

<Relationships>

<Item type="Life Cycle Transition" action="add" >

<from\_state>FCC23461F09C4B3BAE5F21FB32CA47FF</from\_state>

<to\_state>E57DEDD9B78B483FAEAE7E0BC75817D6</to\_state>

</Item>

</Relationships>

</Item>

</AML>

### Task 3: Remove State Permission from the Lifecycle.

The screenshots show the Aras Innovator interface for editing the 'sg\_Loan' lifecycle. The left screenshot shows the 'State' tab with 'State Permissions' checked. The right screenshot shows the 'State' tab with 'State Permissions' unchecked, and the XML output is displayed.

XML:

```
<AML>
<Item type="Life Cycle Map" action="edit" id="A8D886848C604965884AB82218E59C07">
<Relationships>
<Item type="Life Cycle state" action="edit" id="E57DEDD9B78B483FAEAE7E0BC75817D6">
<state_permission_id></state_permission_id>
</Item>
</Relationships>
</Item>
</AML>
```

Run time, sec: 0,125

SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"><SOAP-ENV:Body><Result type="Life Cycle Map" typeId="AC32527D85604A4D9FC9107C516AEF47" id="A8D886848C604965884AB82218E59C07" keyed\_name="sg\_Loan" type="Life Cycle Map">A8D886848C604965884AB82218E59C07</config\_id><config\_id keyed\_name="Innovator Admin" type="User">30B991F927274FA3829655F50C99472E</created\_by\_id><created\_on 27707:31:29</created\_on><generation>1</generation><id keyed\_name="sg\_Loan" type="Life Cycle Map">A8D886848C604965884AB82218E59C07</id><is\_current>1</is\_current><is\_released>0</is\_released><keyed\_name>sg\_Loan</keyed\_name><major\_rev>A</major\_rev><modified\_by\_id keyed\_name="Innovator Admin" type="User">30B991F927274FA3829655F50C99472E</modified\_by\_id><modified\_on>2023-10-31T06:18:38</mo

Run time, sec: 0,066

SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"><SOAP-ENV:Body><Result type="Life Cycle Map" typeId="AC32527D85604A4D9FC9107C516AEF47" id="A8D886848C604965884AB82218E59C07" keyed\_name="sg\_Loan" type="Life Cycle Map">A8D886848C604965884AB82218E59C07</config\_id><config\_id keyed\_name="Innovator Admin" type="User">30B991F927274FA3829655F50C99472E</created\_by\_id><created\_on 27707:31:29</created\_on><generation>1</generation><id keyed\_name="sg\_Loan" type="Life Cycle Map">A8D886848C604965884AB82218E59C07</id><is\_current>1</is\_current><is\_released>0</is\_released><keyed\_name>sg\_Loan</keyed\_name><major\_rev>A</major\_rev><modified\_by\_id keyed\_name="Innovator Admin" type="User">30B991F927274FA3829655F50C99472E</modified\_by\_id><modified\_on>2023-10-31T06:19:40</mo

<AML>

<Item type="Life Cycle Map" action="edit" id="A8D886848C604965884AB82218E59C07">

<Relationships>

<Item type="Life Cycle state" action="edit" id="E57DEDD9B78B483FAEAE7E0BC75817D6">

<state\_permission\_id></state\_permission\_id>

</Item>

</Relationships>

</Item>

</AML>



**Task 4: Check Required for already existing property and set some default value then below this query remove the default value.**

The screenshot shows the Aras Innovator web application interface. On the left, the 'sg\_customer' entity is selected, and its properties are listed in a table. On the right, the XML AML query editor is open, showing the current configuration of the 'sg\_customer' entity. The 'is\_required' property is set to '1', and the 'default\_value' is set to 'abc'. The XML query is as follows:

```
<Item type="ItemType" action="edit" id="ACBA53B75FFA48929ED5E49F94B41A96">
  <Relationships>
    <Item type="Property" action="edit" id="A2F24AC8C5DF4D57BC467C09BC4B5012">
      <is_required>1</is_required>
      <default_value>abc</default_value>
    </Item>
  </Relationships>
</Item>
<Item type="ItemType" action="edit" id="ACBA53B75FFA48929ED5E49F94B41A96">
  <Relationships>
    <Item type="Property" action="edit" id="A2F24AC8C5DF4D57BC467C09BC4B5012">
      <default_value></default_value>
    </Item>
  </Relationships>
</Item>
```

The table of properties for 'sg\_customer' is as follows:

Name	Label	Data Type	Data Source	Le...	Pr...
current_state		Item	Life Cycle State		
customer_age	customer_age	Integer			
customer_name	customer_name	Text			
generation		Integer			
id		Item	sg_customer		
is_current		Boolean			

<AML>

```
<Item type="ItemType" action="edit" id="ACBA53B75FFA48929ED5E49F94B41A96">
```

```
<Relationships>
```

```
<Item type="Property" action="edit" id="A2F24AC8C5DF4D57BC467C09BC4B5012">
```

```
<is_required>1</is_required>
```

```
<default_value>abc</default_value>
```

```
</Item>
```

```
</Relationships>
```

```
</Item>
```

```
<Item type="ItemType" action="edit" id="ACBA53B75FFA48929ED5E49F94B41A96">
```

```
<Relationships>
```

```
<Item type="Property" action="edit" id="A2F24AC8C5DF4D57BC467C09BC4B5012">
```

```
<default_value></default_value>
```

```
</Item>
```

```
</Relationships>
```

```
</Item>
```

```
</AML>
```