

Executing Queries

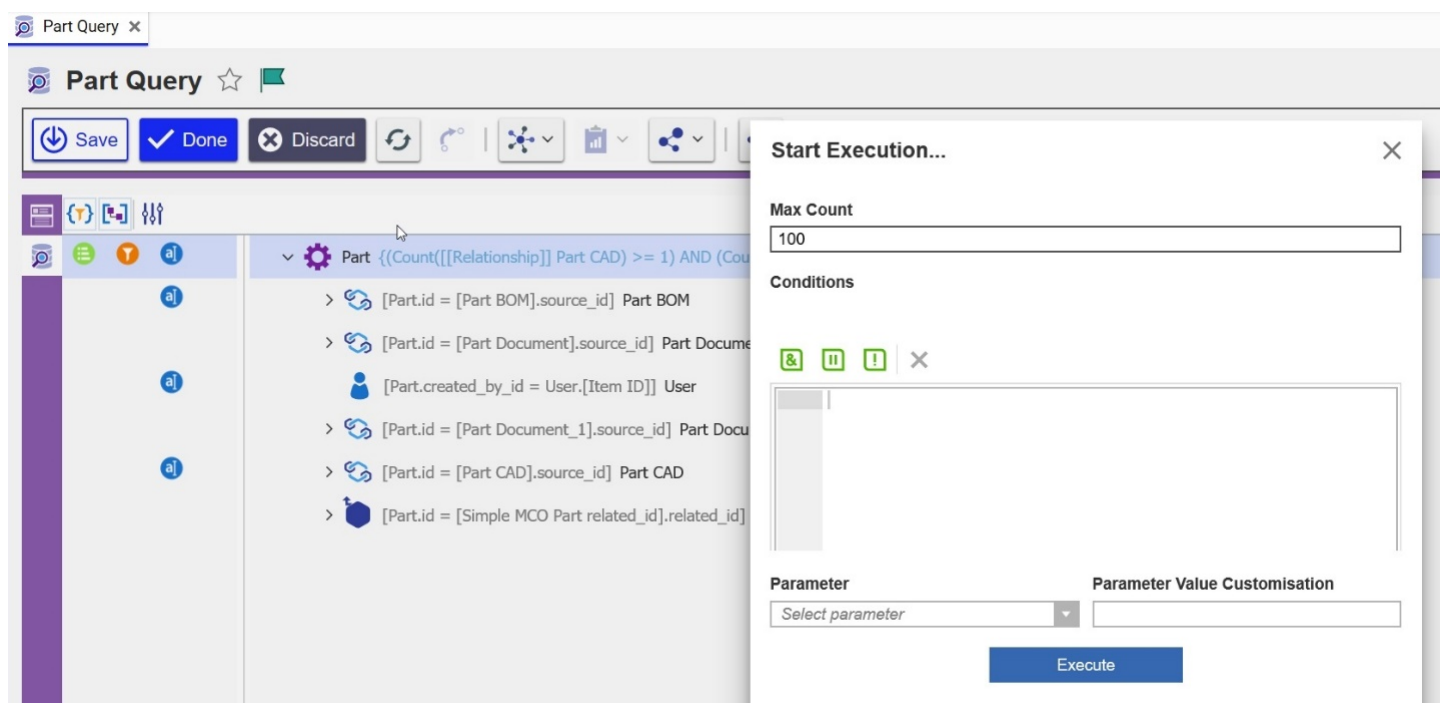
The query can be executed at any time by right-clicking on the Query structure or by selecting the option from the **Actions** menu.

Important

The results of the query are limited by the User's standard "Get" permissions. In the case of a table row that contains relationship and related_item information you must have "Get" permissions for the related item, otherwise the cells in the row that correspond to the related_item will appear as blank/empty. Query Builder/Tree Grid View can be configured to use the "keyed_name" associated with the related_item. If there is no "Get" access to the related_item, the keyed_name value will appear as "Restricted."

Executing the query from the top-level element or from the **Actions** menu executes the entire query structure. However, executing the query from one of the child elements returns the results for that substructure only.

Running the **Start Execution** command results in a window that looks similar to the following:



The window offers an opportunity to add conditions on top of the ones defined by the search, enter parameter values, and set **Max Count**. If Conditions and/or Parameters are unspecified the query is executed without any filtering via conditions or parameters. The Max Count is intended to limit the number of top-level items returned by the search. These settings are recommended during development because the number of elements returned by the query could potentially be very large.

When ready, press the **Execute** command to run the search.

The search for the **Part Query** defined in Section 2 Developing Query Definitions would return a structure similar to the following:



```

<AML>
<Item type="Part">
<id keyed_name="part_7">82A0B82AAD1C43309075640D21117E90</id>
<modified_by_id keyed_name="Innovator Admin">30B991F927274FA3829655F50C99472E</modified_by_id>
<name>part_7</name>
<state>Preliminary</state>
<item_number>part_7</item_number>
<Relationships>
<Item type="Part CAD">
<sort_order>128</sort_order>
<Relationships>
<Item type="CAD">
<current_state keyed_name="Preliminary">A29C9720FF0D4950A140A90BEEA903DA</current_state>
<id keyed_name="cad_1">C94B5097E5894EDA8C39C310F735832B</id>
<name is_null="1" />
<item_number>cad_1</item_number>
</Item>
</Relationships>
</Item>
<Item type="Part Documents">
<sort_order>1</sort_order>
<Relationships>
<Item type="Document">
<id keyed_name="Doc_01">FFB47BECC6E64E8BBB8254F0A61E9EEC</id>
<name>User Guide</name>
<state>Preliminary</state>
<item_number>Doc_01</item_number>
</Item>

```



```

</Relationships>
</Item>
<Item type="Part Created By">
<id keyed_name="Super User">AD30A6D8D3B642F5A2AFED1A4B02BEFA</id>
<login_name>root</login_name>
<first_name>Super</first_name>
<last_name>User</last_name>
</Item>
<Item type="Simple MCO Part (related_id)">
<Relationships>
<Item type="Simple MCO">
<created_on>2019-03-21T15:59:26</created_on>
<id keyed_name="MCO-100001">A5DCE160DE28465A8ECDFF37CEA6B75C</id>
<state>New</state>
<item_number>MCO-100001</item_number>
</Item>
</Relationships>
</Item>
</Relationships>
</Item>
</AML>

```

Important

All child elements of the top-level Part item are returned as `Relationships` , including `created_by_id` and `Simple MCO`.

Saving Query Results to a Local File

Using the Query Execution Dialog, users can opt to save the results returned to a local file instead of having the results displayed in a pop-up dialog. Saving the results in this manner is for convenience when users would like to review query results using a separate editor.



Save Query Results

To save the results from executing a Query Definition to a local file, select the check box labeled **Result as File** prior to executing the query.

Parameter	Parameter Value Customisation
Select parameter	
☐ Result as File	
Execute	

Save Query Results to a File Once the results are returned to the client, the web browser will provide an interface for the user to select a folder and file name to store the results. The default file name uses the Query Definition name with an '.xml' extension. For example, MyQueryDefinition.xml.

