

CMS Query Builder

Introduction

CMS Query Builder allows building CMS queries and running them against CMS system database.

Please send your feedback to support@biclever.com

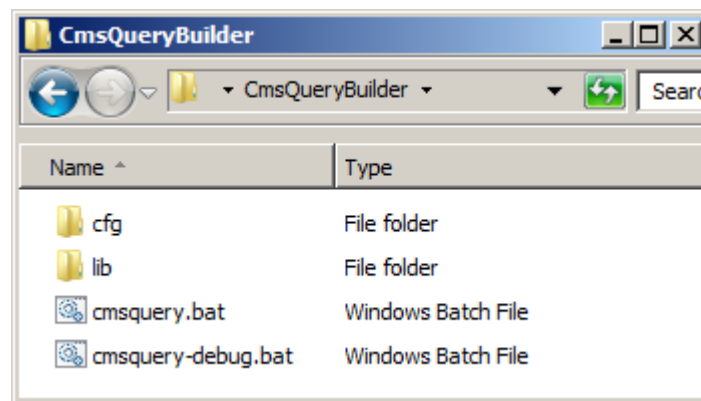
Prerequisite

You need to make sure that you have SAP BusinessObjects 4.1 Client Tools on your machine.

Installation

Download the tool archive from [the tools web page](#).

Unpack the tool to a preferred folder.



Configuring Path to Business Objects

If BusinessObjects is installed in a folder that is different from the default folder, you need to update the first line of the batch file cmsquery.bat with the corresponding path:

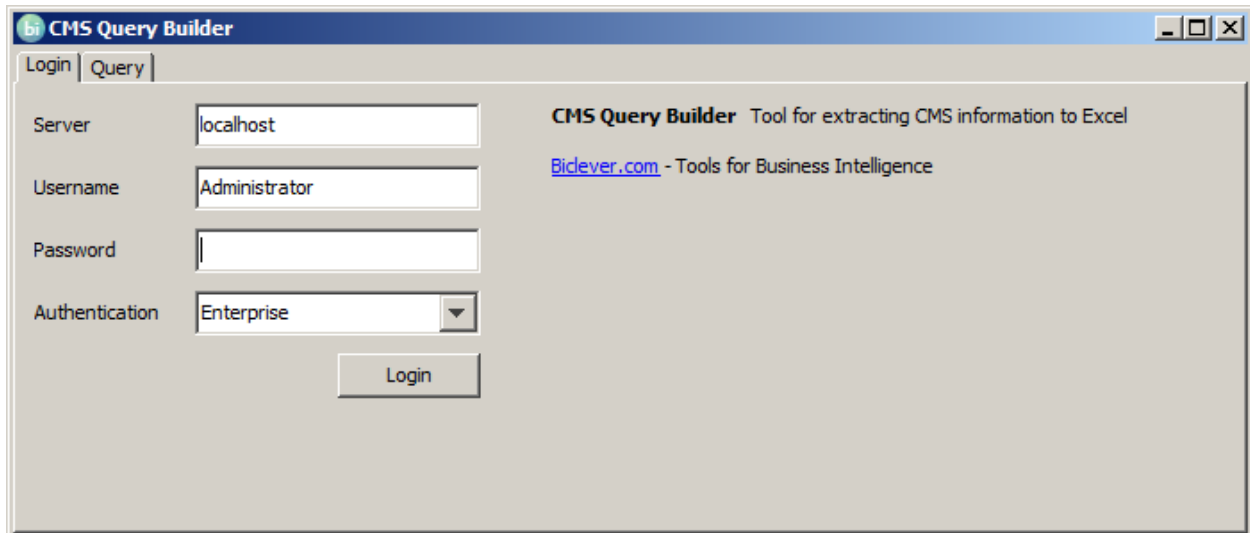
```
@SET BO=C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0
```

Troubleshooting

If the tool does not start or fails, try to run cmsquery-debug.bat. It will create a log file log.txt. You can check the error message to find a hint to the problem. Or, you can send it to support@biclever.com and we will help you.

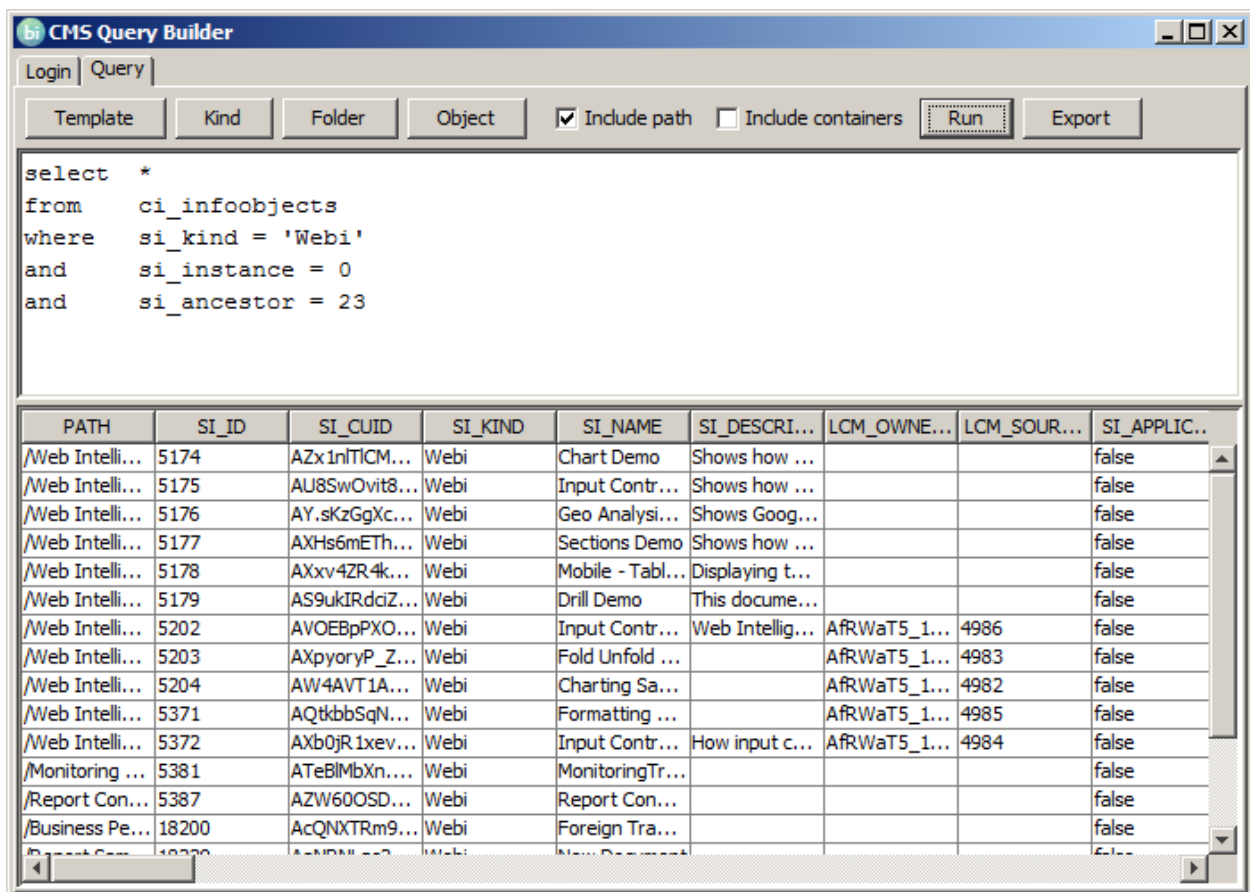
Using CMS Query Builder

Start the tool with cmsquery.bat and provide connection parameters to your system on the Login dialog.



The screenshot shows the 'Login' tab of the CMS Query Builder application. It features a title bar with the 'bi' logo and the text 'CMS Query Builder'. Below the title bar are two tabs: 'Login' and 'Query'. The 'Login' tab is active, displaying a form with the following fields: 'Server' (text box with 'localhost'), 'Username' (text box with 'Administrator'), 'Password' (text box), and 'Authentication' (dropdown menu with 'Enterprise' selected). A 'Login' button is positioned below the 'Authentication' field. To the right of the form, there is a text area containing the title 'CMS Query Builder' followed by the subtitle 'Tool for extracting CMS information to Excel', and a link 'Bidever.com - Tools for Business Intelligence'.

After the tool is logged to the system, it will switch to query mode. Here you can design your query, run it and export the result to an Excel spreadsheet.



The screenshot shows the 'Query' tab of the CMS Query Builder application. The title bar and tabs are the same as in the previous image. Below the tabs are four buttons: 'Template', 'Kind', 'Folder', and 'Object'. To the right of these buttons are two checkboxes: 'Include path' (checked) and 'Include containers' (unchecked). Further right are two buttons: 'Run' and 'Export'. The main area of the window contains a text box with a SQL query:

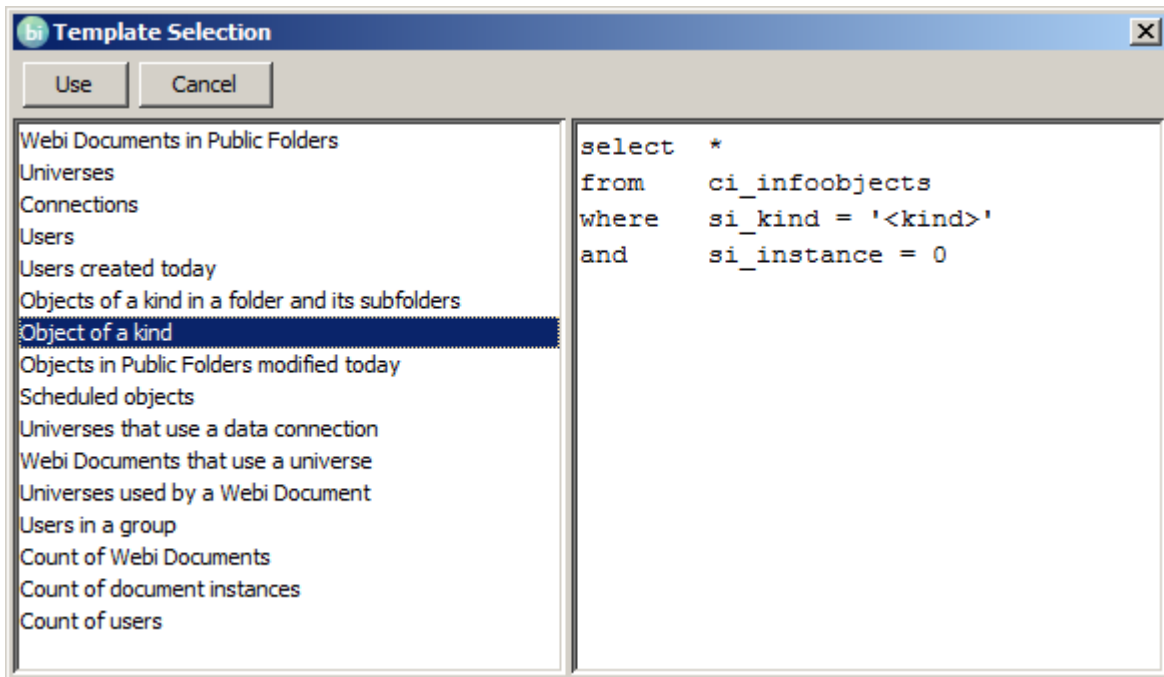

```
select *
from ci_infoobjects
where si_kind = 'Webi'
and si_instance = 0
and si_ancestor = 23
```

 Below the text box is a table displaying the results of the query. The table has nine columns: 'PATH', 'SI_ID', 'SI_CUID', 'SI_KIND', 'SI_NAME', 'SI_DESCRI...', 'LCM_OWNE...', 'LCM_SOUR...', and 'SI_APPLIC...'. The table contains 15 rows of data, showing various web intelligence objects and their properties.

PATH	SI_ID	SI_CUID	SI_KIND	SI_NAME	SI_DESCRI...	LCM_OWNE...	LCM_SOUR...	SI_APPLIC...
/Web Intelli...	5174	AZx1nTlCM...	Webi	Chart Demo	Shows how ...			false
/Web Intelli...	5175	AU8SwOvit8...	Webi	Input Contr...	Shows how ...			false
/Web Intelli...	5176	AY.sKzGgXc...	Webi	Geo Analysi...	Shows Goog...			false
/Web Intelli...	5177	AXHs6mETH...	Webi	Sections Demo	Shows how ...			false
/Web Intelli...	5178	AXxv4ZR4k...	Webi	Mobile - Tabl...	Displaying t...			false
/Web Intelli...	5179	AS9ukIRdcZ...	Webi	Drill Demo	This docume...			false
/Web Intelli...	5202	AVOEBpPXO...	Webi	Input Contr...	Web Intellig...	AfRWaT5_1...	4986	false
/Web Intelli...	5203	AXpyoryP_Z...	Webi	Fold Unfold ...		AfRWaT5_1...	4983	false
/Web Intelli...	5204	AW4AVT1A...	Webi	Charting Sa...		AfRWaT5_1...	4982	false
/Web Intelli...	5371	AQtKbbSqN...	Webi	Formatting ...		AfRWaT5_1...	4985	false
/Web Intelli...	5372	AXb0jR1xev...	Webi	Input Contr...	How input c...	AfRWaT5_1...	4984	false
/Monitoring ...	5381	ATeBlMbXn...	Webi	MonitoringTr...				false
/Report Con...	5387	AZW60OSD...	Webi	Report Con...				false
/Business Pe...	18200	AcQNXTRm9...	Webi	Foreign Tra...				false
/Report Con...	18220	AcQNXTRm9...	Webi	Report Con...				false

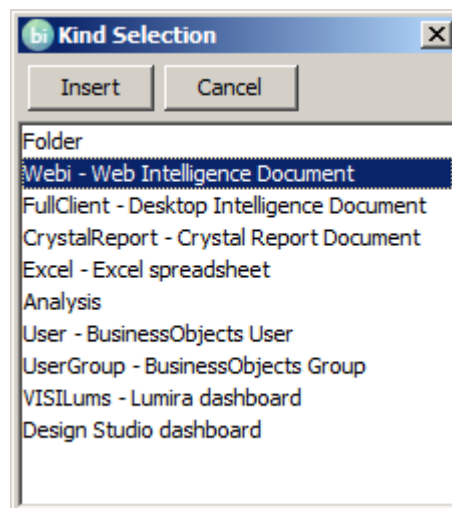
Templates

You do not need write a query from scratch. You can use one of the templates using the button **Template**.

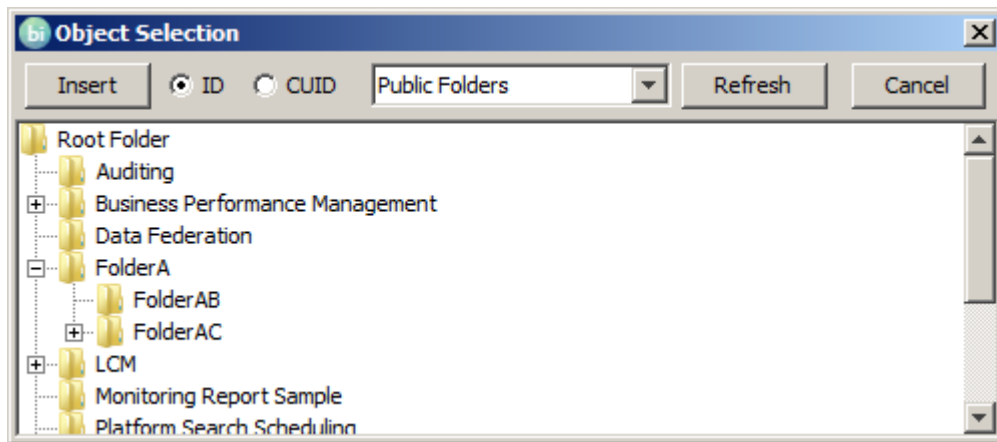


The templates can have placeholders for object kind <kind>, folder id <folder> and object id <object>. The buttons **Kind**, **Folder** and **Object** will help you to replace the placeholder with a selected value. (If there is no placeholder, the button will insert the selected value at the cursor position.)

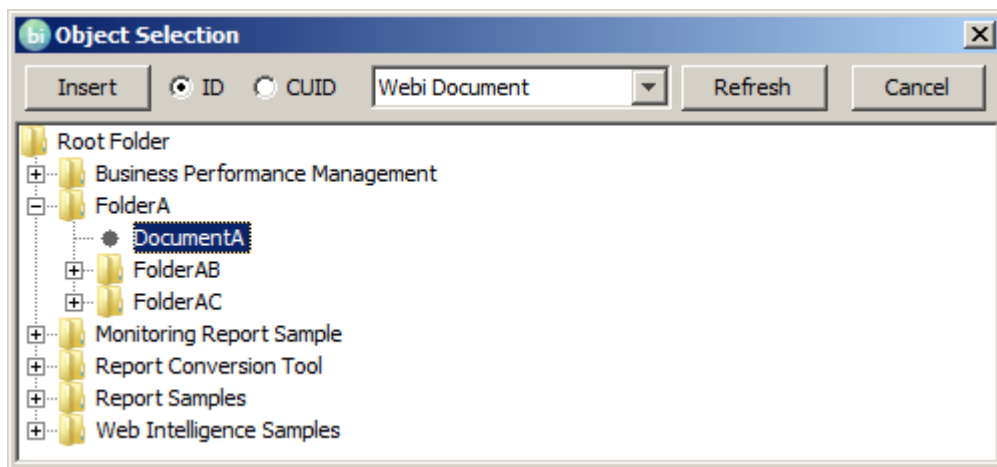
Selection of a kind:



Selection of a folder:



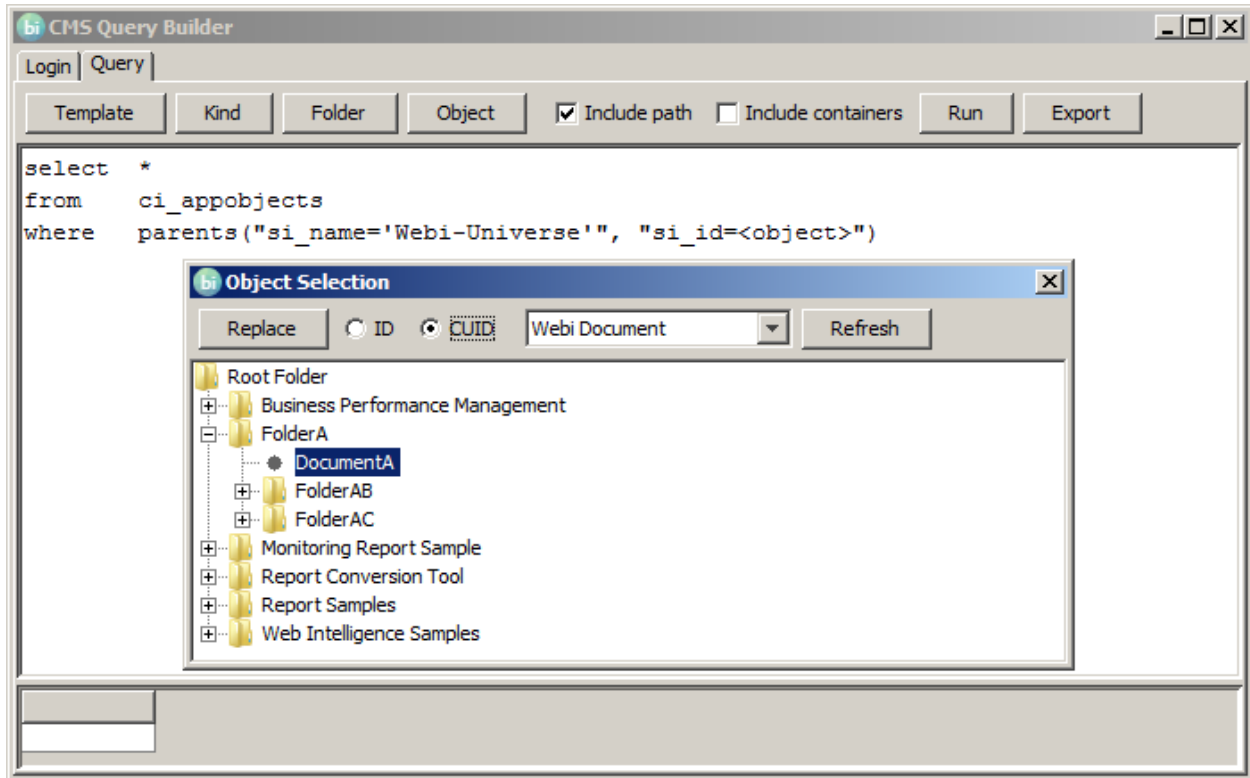
Selection of an object:



ID/CUID

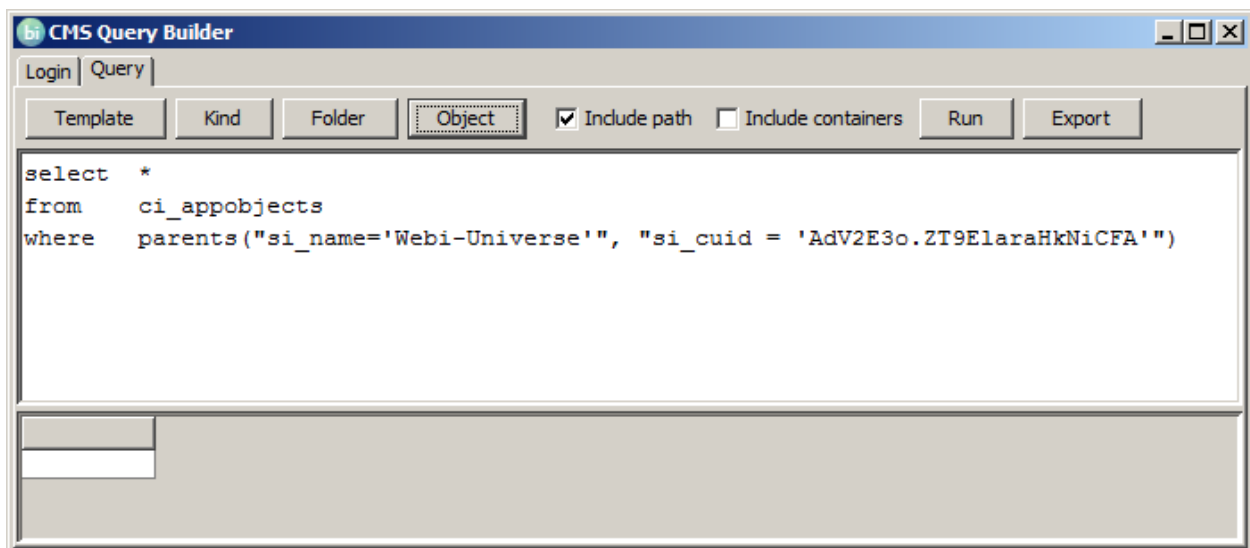
You can insert either ID or CUID. The query will be automatically updated. For instance, the following query has condition

`si_id=<object>`



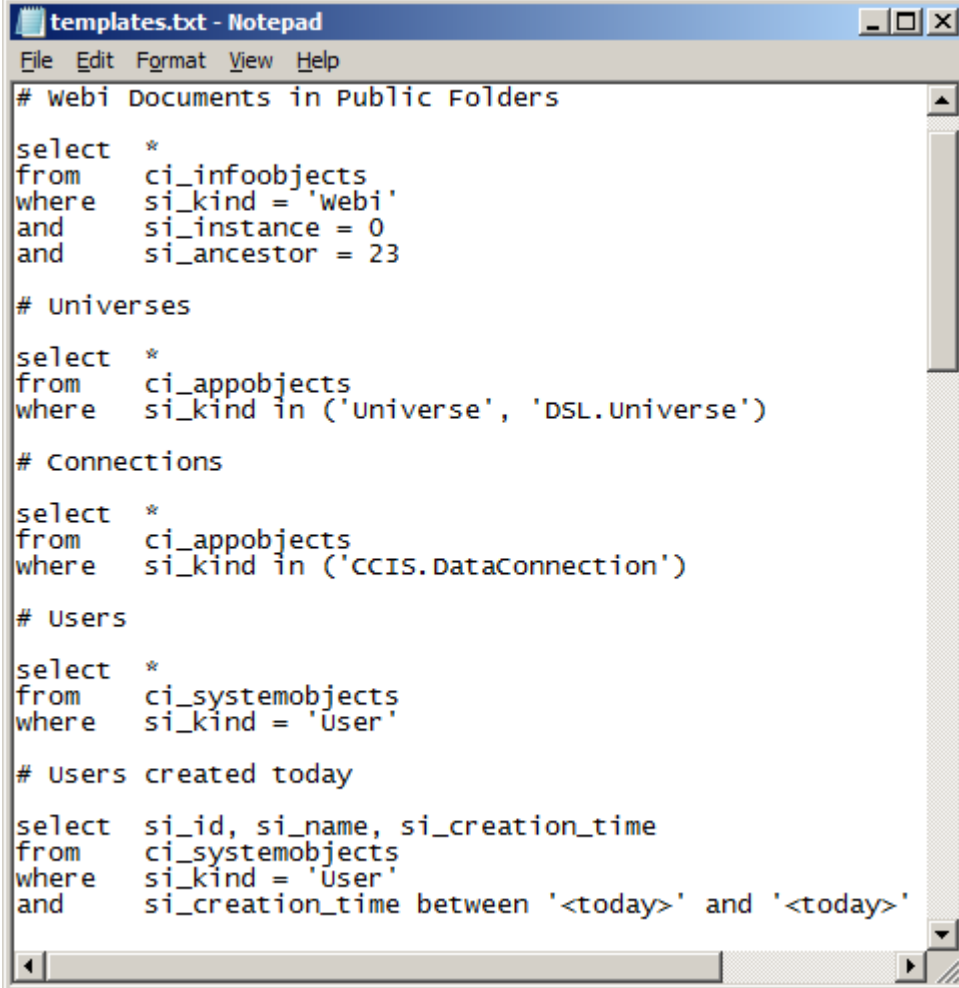
If you select CUID, it will be changed to `si_cuid`:

`si_cuid = 'Adv2E3o.ZT9ElaraHkNiCFA'`



Custom Templates

You can add own templates to the configuration file `cfg/templates.txt`



```
templates.txt - Notepad
File Edit Format View Help
# Webi Documents in Public Folders
select *
from   ci_infoobjects
where  si_kind = 'webi'
and    si_instance = 0
and    si_ancestor = 23

# Universes
select *
from   ci_appobjects
where  si_kind in ('Universe', 'DSL.Universe')

# Connections
select *
from   ci_appobjects
where  si_kind in ('CCIS.DataConnection')

# Users
select *
from   ci_systemobjects
where  si_kind = 'User'

# Users created today
select si_id, si_name, si_creation_time
from   ci_systemobjects
where  si_kind = 'User'
and    si_creation_time between '<today>' and '<today>'
```