

Product Datasheet

CUCM Query



1 CUCM Query description

1.1 Overview

CUCMQuery provide an access to CUCM configuration database through AXL SOAP APIs. It provides:

- Table list,
- Table view,
- Read SQL Queries
- Write SQL Queries with import parameters/

1.2 List tables

The folder 'List Tables' makes it possible to select a table of database CUCM and to visualize the contents of the first lines (parameter 'Maximum rows'). According To the level of license, this maximum value can be limited to 200. The result of the list can be saved in a textual file (CSV).

The screenshot shows the 'Telisca CUCM Query' application window. It has three tabs: 'Setup', 'List Tables', and 'Execute SQL'. The 'List Tables' tab is active. Below the tabs, there is a dropdown menu labeled 'Select to view table content' with 'device' selected, and a text box for 'Maximum rows' set to '200'. A 'Save Result to CSV file' button is on the right. The main area displays a table with the following columns: pkid, name, description, tkmodel, tkdeviceprotocol, tkprotocolside, specialloadinformati, fkdevicepool, and fkphonet. The table contains 20 rows of data, including entries for MTP, CFB, ANN, MOH, and SEP tables. A scrollbar is visible on the right side of the table.

pkid	name	description	tkmodel	tkdeviceprotocol	tkprotocolside	specialloadinformati	fkdevicepool	fkphonet
f3f132b8-902d-4...	MTP_2	MTP_CUCM8	110	6	0		1b1b9eb6-7803-...	
e2a5e6e1-5731-...	CFB_2	CFB_CUCM8	50	6	0		1b1b9eb6-7803-...	
ffdcdbd2c-50d8-4...	ANN_2	ANN_CUCM8	126	0	0		1b1b9eb6-7803-...	
bd35eeff-ad0e-4...	MOH_2	MOH_CUCM8	70	0	0		1b1b9eb6-7803-...	
2aec9aa0-dc3f-4...	MTP_3	MTP_192.168.0...	110	6	0		1b1b9eb6-7803-...	
1abe0ab7-9b74-...	CFB_3	CFB_192.168.0.1...	50	6	0		1b1b9eb6-7803-...	
6a6be724-f8a4-4...	ANN_3	ANN_192.168.0...	126	0	0		1b1b9eb6-7803-...	
8618b6fb-8d1c-4...	MOH_3	MOH_192.168.0...	70	0	0		1b1b9eb6-7803-...	
c9a7287c-7ce0-...	SEP001D452D2...	Auto 8000	437	0	1		1b1b9eb6-7803-...	68d2a466
75103b51-d95c-...	SEP000F8F28D...	Auto 8001	30006	0	1		1b1b9eb6-7803-...	89c98fe6-
07fdd7e-5ae0-4...	SEP0024C4FE39...	Auto 8002	404	0	1		1b1b9eb6-7803-...	cdac8ae5
a1a9e691-f0c4-4...	DP_8101		404	0	1			c53e801b
145637d7-1b1e-...	ModelProfileFor7...		30006	0	1			404d3a28
c0190473-d1d3-...	IPSMASMA	IPSMASMA	73	0	1		1b1b9eb6-7803-...	
ea5d52d6-bd7d-...	IPSMASMA9100	Filtrage Manager ...	72	0	1		1b1b9eb6-7803-...	
07a645c7-26d4-...	IPSMASMA9101	Filtrage Manager ...	72	0	1		1b1b9eb6-7803-...	
32d2c18c-ecee-...	ModelProfileFor0...		404	0	1			cdac8ae5
88228b90-718e-...	SEP001E4A9223...	Auto 8003	434	0	1		1b1b9eb6-7803-...	2706004c

1.3 SQL queries

According To the level of license this folder makes it possible to load and execute or also create/update an SQL query in read or write access. These SQL queries are stored in a XML file containing the query and a key for validation. This key makes it possible to know, if the request were validated.

The result of the request can be saved in a textual file, in CSV format.

select distinct numplan.dnorpattern, routepartition.name as partition, numplan.alertingname, recordingprofile.name as profile, typerecordingflag.name as option from devicenumplanmap left join numplan on numplan.pkid = devicenumplanmap.fknumplan left join routepartition on routepartition.pkid = numplan.fkroutepartition left join recordingprofile on recordingprofile.pkid = devicenumplanmap.fkrecordingprofile left join recordingdynamic on recordingdynamic.fkdevicenumplanmap = devicenumplanmap.pkid left join typerecordingflag on typerecordingflag.enum= recordingdynamic.tkreordingflag

Export CSV Open SQL Query Execute SQL Query

TABLE	XML
dnorpattern	partition
8000	
8001	
8002	
8003	
8101	Jean-Marc Lacoste
9000	
9100	Filtrage Manager ...
9101	Filtrage Manager ...
*	

1.4 Reports with registered status

CUCM Query can generate reports, to be exported in text files, that contains IP Phones registered information, including registered status, registered time, IP address. These reports take advantage of Serviceability SOAP API.

These reports may also contain Extension Mobility status (login status, userId and device profile logged).

1.5 Batch Update

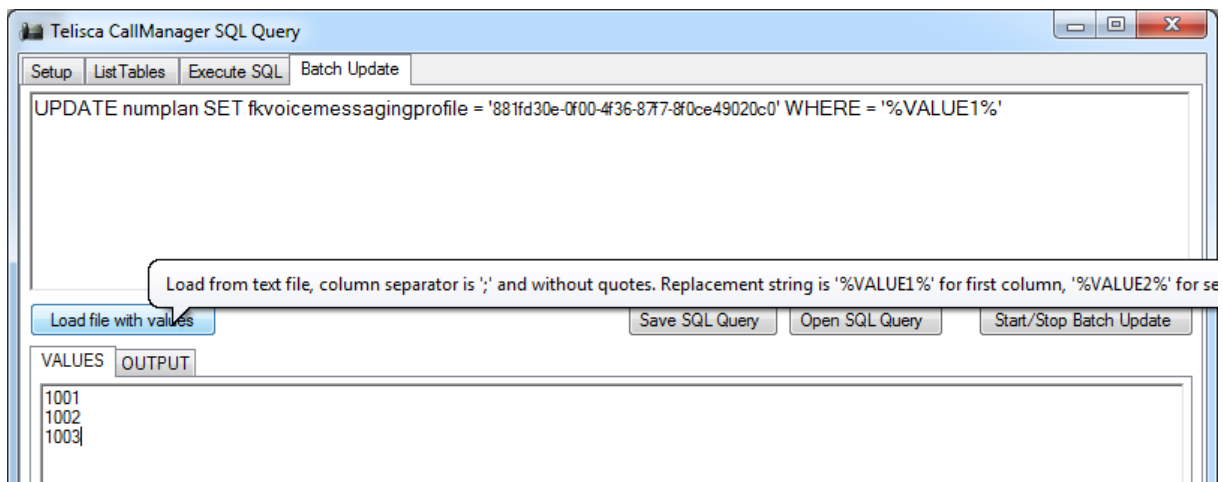
This folder is visible only with the suitable license.

This folder makes it possible to execute a query in batch mode with uploaded parameters. This query contains parameters %VALUE%, or N (while starting to 1) contains the number of the column of the data file charged. It is possible to save or reload a preset request starting from a textual file having the extension .sql.

From the button 'Load files with values' you can load a CSV file containing the data to be used.

One launches the execution in batch mode while clicking on 'Start/Stop batch Update', it is possible to stop it while clicking again on 'Start/Stop Update batch'.

The result of the request is posted in the OUTPUT folder, line by line with the XML format returned by AXL SOAP.



1.6 Execution on command line

In order to be run from Windows scheduler, it is possible to execute CUCMQuery on command line with following syntax:

```
CUCMQuery <nom_requête>.xml <nom_fichier_résultat>.csv
```

1.7 Requirements

CUCM Query is supported on Cisco Unified CallManager 8.5, 8.6, 9.1, 10.5, 11, 11.5, 12, BE 6000, BE 7000.

CUCM Query runs on Windows 7, Windows 8, Windows 10.