

Using the CF Studio Query Builder

DC CFUG

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Charles Arehart

Systemanage

www.systemanage.com

carehart@systemanage.com

Presentation on Web Site

⌘ More detailed presentation is available at:

☐ www.systemanage.com/presentations/

The Problem

⌘ CF leverages SQL for data access

⌘ SQL is a picky language

☐ Syntax is often obtuse

⌘ Remembering table/column names & datatypes can be challenging

⌘ Typing SQL is tedious and error-prone

Possible Solutions

⌘ Use your database's query builder

⌘ Problem:

- Must learn its interface
- If you support multiple databases, you must use/learn multiple query tools

Another Solution: Studio Query Builder

- ⌘ Built-in feature of Studio (R3 & 4)
- ⌘ Provides drag&drop query building
- ⌘ Can list all datasources, tables, columns
- ⌘ Shows datatypes for columns
- ⌘ Can show all data in table
- ⌘ Or build a query visually

Using the Tool

- ⌘ Choose "Database" tab (disk icon) on resource toolbar (left most pane in Studio)
- ⌘ Choose a server
 - can define one for localhost or remote server
 - if error, correct using "remote files" tab
- ⌘ Choose a datasource
- ⌘ Choose a table

Table Operations

- ⌘ Single click to show columns in table
- ⌘ Double Click to show all data in table
- ⌘ Right-click and choose either:
 - ☑ View Data: to show all data
 - ☑ New Query: to open query building interface

Query Building Features

- ⌘ Once in Query Builder:
 - ☑ Double-click column to select for display
 - ☑ Or drag and drop it to leftmost column of grid
 - ☑ Execute query with exclamation point icon (!)

Multi-table Operations

- ⌘ Can add more tables with right-click on gray area and choose "add table(s)"
- ⌘ Can remove table with right-click and "remove"
- ⌘ Can join by drag and drop of one column onto same in another table
- ⌘ Can remove join with left click, then right-click then "remove join"

Using Built Query

⌘ Three choices:

- Highlight the SQL and paste it into the editing window
- Use "copy sql to clipboard" icon, or "copy CFQUERY" to clipboard and then paste
- Save query for re-use (by using "save" icon or by closing window)
 - then drag from "queries" list for the datasource onto editing window

Gotchas

- ⌘ Define a localhost/localhost RDS server connection if you have server on own pc
- ⌘ If RDS connection is wrong, use RemoteFiles tab, right click on server and choose "properties"
- ⌘ When entering search criteria in query builder, must click off criteria just entered in order to "set" it
- ⌘ Very Right-click sensitive. Try it everywhere!
