

3.11 Multiple Fact Tables

Multi-fact Table Home

Project Summary

The multi-fact table project is a new feature that has been added to version 1.7.09 of the i2b2. Prior to this release, the i2b2 star schema could only support one fact table (observation_fact). We have noticed an increasing need for the i2b2 to be able to search multiple fact tables with a single query. The i2b2 server has been updated to allow those sites that want to use multiple fact tables will have the option to do so. This new feature enables the i2b2 to adapt to the needs of such projects as the Patient Centered Outcome Research Institute (PCORI) network and the Observational Medical Outcomes Partnership (OMOP) Common Data Model (CDM). It can also be used for sites that want to be able to query both genomic and phenotype data but don't want the data to reside in a single table.

Starting with 1.7.12 version, you can set *multifactable* parameter in *hive_cell_params* table. Using SQL editor, update the param_name_cd *queryprocessor.multifactable* value to true

example Oracle syntax:

Example Oracle syntax

```
UPDATE hive_cell_params
```

```
set value ='true' where param_name_cd ='queryprocessor.multifactable' and cell_id ='CRC';
```

ID	DATE	TIME	PARAM_NAME_CD	VALUE	CHANGE_DATE	ENTRY_DATE	CHANGE_CHAR	STATUS_CD
44	T		CRC	1232 MESSAGE STATUS QUEUED	(null)	(null)	(null)	A
45	T		CRC	1232 MESSAGE STATUS QUEUED	(null)	(null)	(null)	A
65	T		ONT	ontology.terminal.delimiter	(null)	(null)	(null)	A
53	T		ONT	ontology.ws.dm.url	(null)	(null)	(null)	A
36	T		CRC	queryprocessor.indi.ndomervlocal	(null)	(null)	(null)	A
30	T		CRC	queryprocessor.indi.ndomervlocal	(null)	(null)	(null)	A
38	T		CRC	queryprocessor.indi.quervexecutormdbremote	(null)	(null)	(null)	A
32	T		CRC	queryprocessor.indi.quervmasterlocal	(null)	(null)	(null)	A
35	T		CRC	queryprocessor.indi.quervresultlocal	(null)	(null)	(null)	A
34	T		CRC	queryprocessor.indi.quervrunlocal	(null)	(null)	(null)	A
39	T		CRC	queryprocessor.indi.queue.connectionfactory	(null)	(null)	(null)	A
41	T		CRC	queryprocessor.indi.queue.executor.queue	(null)	(null)	(null)	A
40	T		CRC	queryprocessor.indi.queue.response.queue	(null)	(null)	(null)	A
47	T		CRC	queryprocessor.multifactable	(null)	(null)	(null)	A
50	T		CRC	queryprocessor.ws.ontology.url	(null)	(null)	(null)	A
51	T		CRC	queryprocessor.ws.dm.url	(null)	(null)	(null)	A
52	T		IM	workplace.ws.dm.url	(null)	(null)	(null)	A
68	T		IM	im.ws.dm.url	(null)	(null)	(null)	A
69	T		IM	im.checkPatientInProject	(null)	(null)	(null)	A
70	T		IM	im.empi.service	(null)	(null)	(null)	A

Deprecated Feature

Prior to 1.7.12, the parameter *queryprocessor.multifactable* was set in *crc.properties* file. The setting is now configurable in the database.



Beginning in 1.7.12, the CRC properties are in the database! See [this link](#).