MYSQL database loader

Introduction

The file "rf2_import_full_template.sql" is a MySQL import script for the FULL view of the International Release developed by David Markwell before he joined IHTSDO staff. It is included here for interest and you are free to use it under an Apache 2.0 License.

The script is provided in a template form, which means you need to edit it to make two replacements described in this document. These replacements tell the script where to find the RF2 release file folder on your system and the release date (as this is part of the release file names).

It creates tables, loads SNOMED CT release files, indexes, adds some optimizations and creates a few useful views that enable access to SNAPSHOT views of commonly required data for different dates.

It has worked well in the past but it is not the only MySQL import script that exists for this purpose and it is not guaranteed to work on any given version as it may need adjustments for file changes. However, it has been posted here after requests from attendees at a recent E-Learning Webinar.

It is not supported but if you are an established MySQL user I think you will be able to figure out what it is doing and fix it where there is missing import file or whatever. The following license and notes are repeated in the top of the SQL file linked to this description.

The file "rf2_import_tc_template.sql" is a similar script that imports the Transitive Closure Table: You first need to create this using the Transitive Closure Script:

- https://elearning.ihtsdotools.org/mod/folder/view.php?id=319

These scripts are Apache licensed which means you are free to reuse, modify it etc.

If you can improve it or develop a completely different (better) option please go ahead. If you would like to share your solution with others on the course let us know at elearning@ihtsdo.org!

Comment

Most examples in the SNOMED CT TIG http://snomed.org/tig.pdf were built on the results of this import.

Installing MySQL and Downloading Release files

- Install MySQL using the following options
- Installer page https://dev.mysql.com/downloads/windows/installer/5.7.html
  - For Windows use the MSI installer
    - Ensure you select the options for default Developer.
    - Follow install process and in particular ensure you accept options to install additional components to support MySQL Workbench
  - On Mac OSX and other Unix based systems you can also install MySQL please check for required settings

Usage notes

Before use you need to download and unzip the SNOMED CT International Release RF2 files. Before importing the Transitive Closure you also need to generated this using the script.

- https://elearning.ihtsdotools.org/mod/folder/view.php?id=319

As currently configured Imports FULL release from folder:

- $PATH$/SnomedCT_RF2Release_INT_$YYYYMMDD$/

Also refers to individual release file using $YYYYMMDD$ as the release date

Make copies of the two template files (rf2_import_full_template.sql and rf2_import_tc_template.sql). In your copies make the following global replacements using a suitable text editor:

1. Adjust source folder by $PATH$ with the path in which the release file is present.
2. Adjust release date by replacing all instances of $YYYYMMDD$ with appropriate Release Date
3. In the full import file you will find lines that look like this. Make sure there are two lines for the date of your current release. If not add copies of these lines with the relevant release date added.

```
INSERT INTO `config` (`id`,`languageId`,`versionTime`,`active`,`name`) SELECT
1,900000000000509007,'YYYY-MM-DD',0,'YYYY-MM-DD Lang:en-US'$$


INSERT INTO `config` (`id`,`languageId`,`versionTime`,`active`,`name`) SELECT
2,900000000000508004,'YYYY-MM-DD',0,'YYYY-MM-DD Lang:en-GB'$$
```

- These lines create a configuration for setting a snapshot view for those dates in each of the languages or dialect in the import (en-US and en-GB).
- The active date for the optimized SNAPSHOT view is specified by updating this 'config' table as follows
  - Set active=0 for all rows
  - Set active=1 for the row for the data and language required to be used as the default

The script creates tables, imports, indexes and generates a range of views of the tables including some linked views that are useful for viewing particular types of data.

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