

# Reporting Tools

## Overview

This page documents the use of reporting tools.

## Prerequisites

- MySQL database must already exist (e.g. "mappingservicedb") and be loaded with terminologies, map projects, and map records.
- MySQL database connection parameters must be defined in the properties file specified by "run.config".
- Report definitions defined for the specified project.

## Details

These tools are used to generate and remove reports. The report generator can be wired to an automation (continuous integration server or cron job) to run daily and generate reports. The remover tool can be used to remove reports. It is recommended to periodically run this to remove very old reports from the past to prevent the volume of report data from growing out of control. Typically at the beginning of an editing cycle it would be recommended to remove reports more than two years old

Following are some details about these tools:

**Mojo:** ReportGenerateDailyMojo.java (in admin/mojo/src/main/resources/java/org/ihtsdo/otf/mapping/mojo)

**Project:** admin/loader

### Configuration Parameters

- A profile of "GenerateDailyReports" must be passed
- run.config - the standard configuration file specified as a -D parameter
- refset.id - the map project refset id to generate reports for, specified as a -D parameter.
- start.date - the start date range for reporting specified as a -Dparameter in the string format "yyyyMMdd"
- end.date - the end date range for reporting specified as a -Dparameter in the string format "yyyyMMdd"
  - typically, this is left null and reports are generated from the start date until now.
  - This parameter is supported for the generation of report data in the past (this data will not be 100% accurate, though it is useful for demo and QA).

**Mojo:** ReportRemoverMojo.java (in admin/mojo/src/main/resources/java/org/ihtsdo/otf/mapping/mojo)

**Project:** admin/remove

### Configuration Parameters

- A profile of "Reports" must be passed
- run.config - the standard configuration file specified as a -D parameter
- refset.id - the map project refset id to remove reports for, specified as a -D parameter. Leaving it blank will affect all map projects.
- start.date - the start date for removing reports, specified as YYYYMMDD. Leaving this null will use January 1, 1970.
- end.date - the end date for removing reports, specified as YYYYMMDD. Leaving this null will use the current time.

## Samples

Sample command line call to generate for refset id 447563008 for a date:

```
% cd mapping-parent/admin/loader
% set date = `bin/date +%Y%m%d`
% mvn install -Drun.config=/home/ihtsdo/config/config.properties -PGenerateDailyReports -Drefset.
id=447563008 -Dstart.date=$date
```

Sample command line call to clear reports for refset id 447563008:

```
% cd mapping-parent/admin/remover
% mvn install -Drun.config=/home/ihtsdo/config/config.properties -PReports Drefset.id=447563008
```

Sample Eclipse run configuration to generate for refset id 447563008 for a date:

The screenshot shows the Eclipse IDE Run Configuration dialog for a Maven project. The configuration is for a goal named 'install' using the 'GenerateDailyReports' profile. The base directory is set to 'C:/Users/Brian Carlsen/workspace/OTF-Mapping-Service/admin/loader'. The Maven runtime is 'Embedded (3.1.1/1.5.0.20131102-1211)'. The configuration includes a table of parameters: 'run.config' with value 'c:/mapping/config/config.prope...', 'refset.id' with value '447563008', and 'start.date' with value '20141221'. The 'Threads' are set to 1. The 'Goals' field contains 'install' and the 'Profiles' field contains 'GenerateDailyReports'. The 'Offline' checkbox is checked, and 'Update Snapshots', 'Debug Output', 'Skip Tests', 'Non-recursive', and 'Resolve Workspace artifacts' are unchecked.

Name: loader - Generate Daily Reports

Base directory: C:/Users/Brian Carlsen/workspace/OTF-Mapping-Service/admin/loader

Goals: install

Profiles: GenerateDailyReports

Offline  Update Snapshots  
 Debug Output  Skip Tests  Non-recursive  
 Resolve Workspace artifacts

1 Threads

Parameter Name	Value
run.config	c:/mapping/config/config.prope...
refset.id	447563008
start.date	20141221

Maven Runtime: Embedded (3.1.1/1.5.0.20131102-1211)

Sample Eclipse run configuration to clear reports for refset id 447563008:

Name: remover - Reports

Main JRE Refresh Source Environment Common

Base directory:  
 C:/Users/Brian Carlsen/workspace/OTF-Mapping-Service/admin/remover  
 Browse Workspace... Browse File System... Variables...

Goals: install Select...

Profiles: Reports

Offline  Update Snapshots  
 Debug Output  Skip Tests  Non-recursive  
 Resolve Workspace artifacts

1 Threads

Parameter Name	Value
run.config	c:/mapping/config/config.prope...
refset.id	447563008

Add... Edit... Remove

Maven Runtime: Embedded (3.1.1/1.5.0.20131102-1211) Configure...

## References/Links

- n/a