

# Maintenance Tools

## Overview

This page documents the use of various other maintenance tools.

## Prerequisites

- MySQL database must already exist (e.g. "mappingservicedb") and be loaded with production data.
- MySQL database connection parameters must be defined in the properties file specified by "run.config".
- **IMPORTANT:** The Tomcat server must not be running while this is run, otherwise indexes can get corrupted.

## Details

A review of the "mojo" project reveals a lot of additional tools that can be used alongside the standard lifecycle management tools. In fact, mojos are often a very convenient way of developing one-time or ad hoc tooling to make batch changes to the underlying data model. These tools can properly bootstrap the environment allowing direct interaction with the internal service APIs supporting a very wide range of maintenance use cases.

Here are a few examples of tools that have been developed to enable certain maintenance tasks

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

**Project:** admin/loader

### Configuration Parameters

- A profile of "DefaultPreferredNames" must be used
- run.config - the standard configuration file specified as a -D parameter
- terminology - The terminology to compute preferred names for.
- terminologyVersion - the terminology version to compute preferred names for.
- The tool is set up to only work properly for SNOMEDCT and would need to be reconfigured/rewritten to support other terminologies.

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

**Project:** admin/loader

### Configuration Parameters

- A profile of "CreateMapAdmin" must be used
- run.config - the standard configuration file specified as a -D parameter
- map.user - the new admin user username
  - This mojo creates a new user with the specified username and an ADMINISTRATOR application role
  - It additionally creates an empty map project if there are no map projects yet (because the application requires at least one project to exist)

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

**Project:** admin/remover

### Configuration Parameters

- A profile of "MapAdvice" must be used
- run.config - the standard configuration file specified as a -D parameter
- map.advice.name - the advice to remove
  - This mojo entirely removes an advice value from a project, from all records, and from the map advices table itself.

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

**Project:** admin/loader

### Configuration Parameters

- run.config - the standard configuration file specified as a -D parameter
- terminology - the terminology to compute tree positions for specified as a -D parameter
  - Any existing tree positions should be removed before running this.

**Mojo:** TreeposRemoverMojo.java (in admin/mojo/src/main/resources/java/org/ihtsdotf/mapping/mojo)

**Project:** admin/remover

#### **Configuration Parameters**

- run.config - the standard configuration file specified as a -D parameter
- terminology - the terminology to remove tree positions for specified as a -D parameter

#### **References/Links**

- n/a