

GDL Editor

Installation manual

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1. Introduction

The GDL editor is multiplatform application that allows users to create, edit and run GDL files. GDL is a formal language designed to represent clinical knowledge for decision support. It is designed to be natural language- and reference terminology- agnostic by leveraging the designs of openEHR Reference Model and Archetype Model. This tool provides an editing and testing environment capable of generating forms based on the elements defined in the GDL.

2. Prerequisites

The GDL Editor runs on major Linux distributions like Debian or Ubuntu as well as on Windows.

For the GDL Editor to work, the following additional software and configuration is needed:

- Java Development Kit (JDK), install Oracle JDK 8 >= 8u112 (<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>)



For convenience we provide an installation file for the Java Development Kit in the release package in **third-party/jdk/1.8.112/jdk-1.8.112-windows-x64.exe**.

- Install the JDK using the provided installer
- Make sure the JAVA_HOME variable is set as a system variable. It needs to match the location of the JDK installation.
- Add the path to <JDK_INSTALLATION_PATH>/bin to the PATH variable

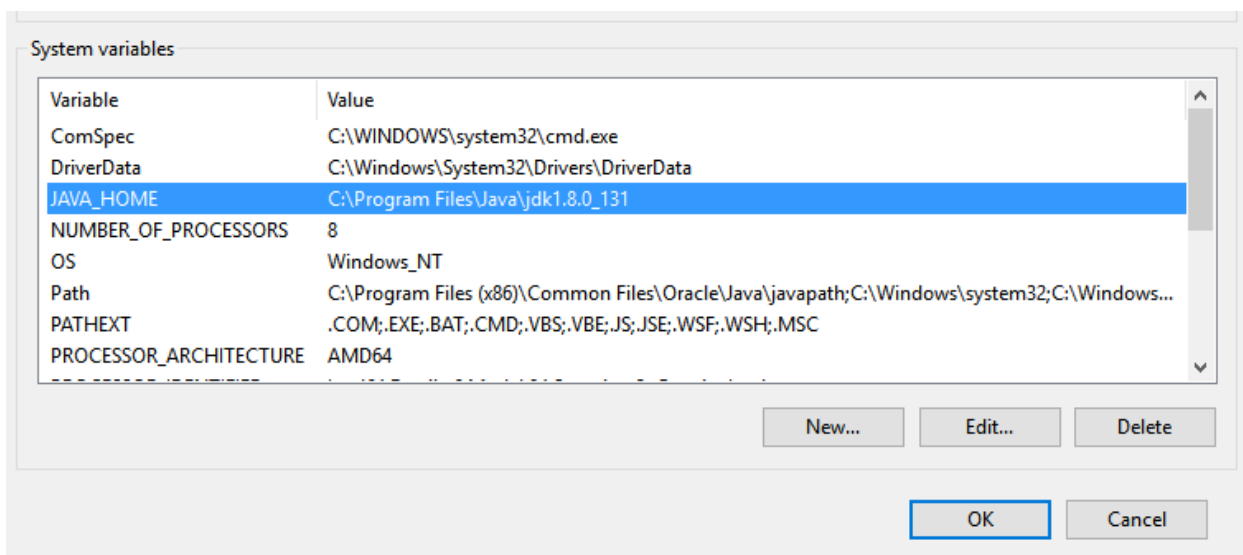


Figure 1. Setting the JAVA_HOME system variable

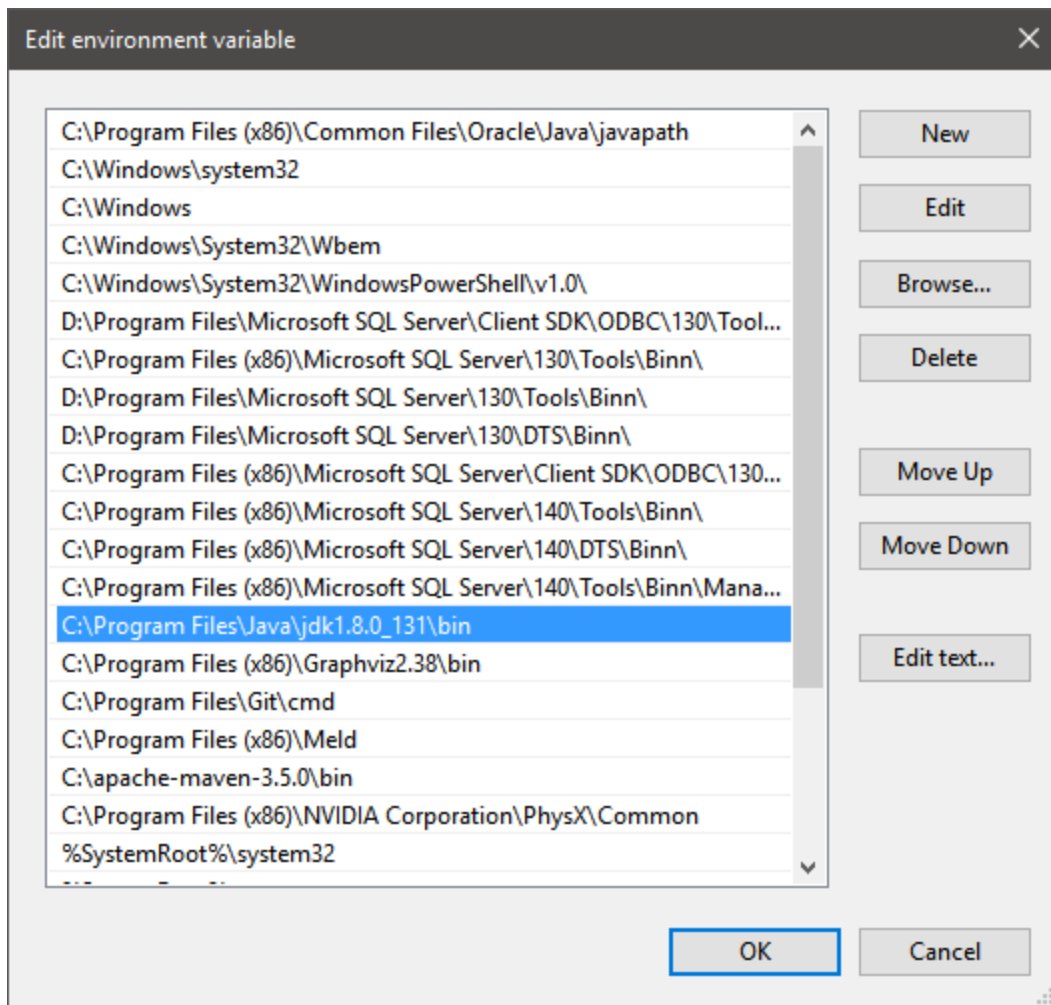


Figure 2. Setting the path to the java installation

3. Installation

1. Extract the zip file from the release package in tools/gdl-editor to a location on your system.
2. Navigate to that location and double click on **gdl-editor.exe** to start the GDL Editor.
 - a. Click on "*Load guide*" button to load and edit an existing guideline or continue to create a new guideline.
 - b. Double click on **startup.bat** to start the GDL Editor with a console (useful for debugging purposes and to retrieve error-logs).
3. Navigate to **your_location/gdl-editor-1.4.4/cm** to add clinical models that can be used during the rule editing.