

# Generate code for SNMP4J-Agent with AgenPro

This page describes how-to generate Java code for SNMP4J-Agent with AgenPro

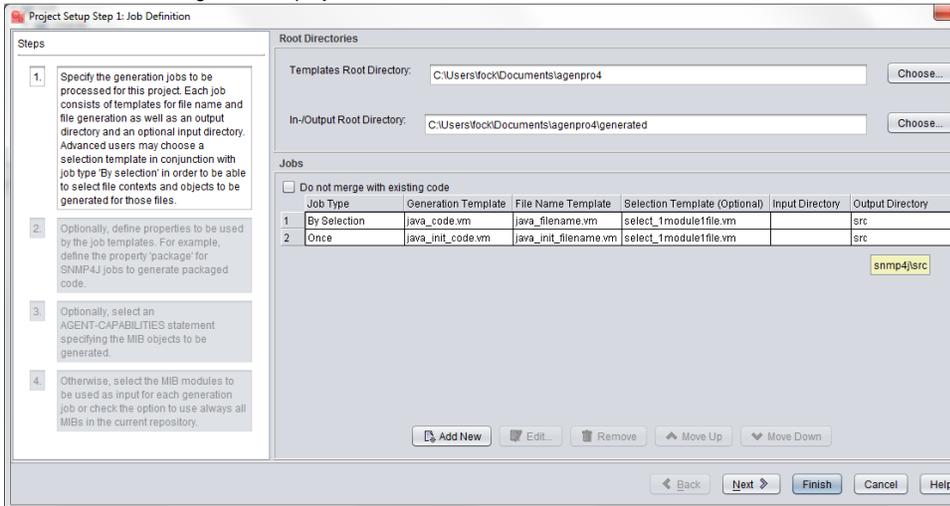
## Generate Java Code

### Prerequisites

1. You have the MIB specifications you want to generate code for (if not see [Create MIB Specification with MIB Designer](#))
2. You have compiled and loaded those MIB module(s) (if not see [Simulate MIB modules in AgenPro](#))

### How-To Generate the Code

1. Create or edit a code generation project with **Project->Edit** :



You can skip this, if you did [Simulate MIB modules in AgenPro](#) already and configured the code generation templates there.

- a. Specify the **root template folder** where the code generation template directory is located. With standard AgenPro projects, the path to each template is relative to the installation directory. Thus here you specify the installation directory of the accompanied files like C:\Users\myuser\Documents\agenpro4. All **template** paths in the job table are specified then relative to this folder (you can use absolute paths only, if the root directory is left empty)
  - b. Specify the **input/output root directory**. All **input** and **ouput** paths specified in the table with the code generation jobs are specified relative to this directory. A sample input/ouput path could be C:\Users\myuser\Documents\agenpro4\generated.
  - c. The standard SNMP4J-Agent project should already come with two generation jobs. Please check their paths to match with your requirements. Use the tooltip function to see the full path or click into the path cell to edit it.
    - i. a job for generating the code for each MIB module
    - ii. a job for generating the code for the initialization of the MIB modules, which will generate the Modules.java file.
2. Make sure that you provided the **package** property in the second wizard step to let AgenPro generate the directory structure needed for you Java package and the appropriate **package** statement in each Java source file:

