

# Install Client (simBio\_JavaSpacesClient)

## Table of contents

1 Hardware Preparation.....	2
2 Software Installation.....	2
2.1 Install Java and Eclipse.....	2
2.2 Use source code or binary.....	2
2.3 Getting simBio_JavaSpaces and simBio_JavaSpacesClient.....	2
2.4 Build JAR-files.....	3
2.5 Getting RemoteClient.....	3

Preparing the Operational Environment for *simBio\_JavaSpacesClient*.

## 1. Hardware Preparation

Because *simBio* is written in Java, it can be executed on several operating systems and *simBio\_JavaSpacesClient* can be used on different types of computers. See [Hardware Preparation](#) for more information on hardware requirement.

## 2. Software Installation

Software installation on *simBio\_JavaSpacesClient*. The computer that is used as a client need some additional software installed compared to the *simBio\_JavaSpaces* servers and workers.

### 2.1. Install Java and Eclipse

Follow the instruction [Tutorial I. Preparing the Operational Environment](#) to install Java and Eclipse on the client computer.

### 2.2. Use source code or binary

The description below use the source code, by either getting source code via CVS or by using the *simBio* source release package. The *simBio* has also been released as a binary release package, which can be used instead.

#### Use *simBio* binary release package

To use the *simBio* binary release package, follow the instruction [Get \*simBio\*](#). This package can also be used as an Eclipse project in the same way as the instruction [Settings for using source packages](#) describes. The only difference compared to this description is the configuration when running a model in *simBio* from Eclipse. The operation for this is described in [Run model in \*simBio\\_JavaSpaces\* from the \*simBio\* binary release package](#).

If the *simBio* binary release package is used, please jump to [Installation \*JavaSpaces\*](#) from here, after an Eclipse project has been made of the package. In other case please continue to the next section below, Getting *simBio\_JavaSpaces* and *simBio\_JavaSpacesClient*, to use the source code.

### 2.3. Getting *simBio\_JavaSpaces* and *simBio\_JavaSpacesClient*

Follow the instruction [Getting source code via CVS](#), but check out the projects *JavaSpaces* and *JavaSpacesClient* instead of the *simBio* project. If you cannot connect to CVS from Eclipse, then follow the instruction [Settings for using source packages](#) instead.

#### Using another PC

It is recommended to use the client to get both the *simBio\_JavaSpaces* and *simBio\_JavaSpacesClient* projects. This is however not necessary.

## 2.4. Build JAR-files

To run a model located in the simBio project on the simBio\_JavaSpaces all JAR-files first need to be build. This is done by right clicking on the file build.xml in the simBio\_JavaSpacesClient project and select [Run As] -> [Ant Build] which will copy all dependent JAR-files to the \lib folder. Also copy the file target/lib/simBio\_JavaSpacesClient-\*.jar to this folder.

## 2.5. Getting RemoteClient

Finally follow the instruction [Getting source code via CVS](#), but check out the project RemoteClient instead of the simBio project. If you cannot connect to CVS from Eclipse, then follow the instruction [Settings for using source packages](#) instead.

### Using another PC

It is recommended to use the client to get the RemoteClient project. This is however not necessary.

### Skipping RemoteClient

It is not necessary to use the RemoteClient, but recommended if using a system with many simBio\_JavaSpaces workers to make it possible to remote control these.