RDMSim Exemplar: Installation Guide

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1   Introduction

In this document, the installation details of the RDMSim Exemplar are provided. The document is organized as follows: In second section the details about downloading the RDMSim Exemplar are provided. Section three provides the installation details of the required libraries.

2   Download RDMSim Exemplar

First of all download the RDMSim package using the following link and unzip the RDMSim Package folder.

```
https://gitlab.com/humasamin/rdmsimexemplar
```

3   Required Libraries

In order to execute the RDMSim exemplar software, the following two libraries are required:

3.1   JavaFx

Use the following steps to install the JavaFx library:

Step: 1

Download the JavaFx SDK using the following link: https://gluonhq.com/products/javafx/

Step: 2

Once the SDK is downloaded. Unzip the downloaded javafx folder and copy the unzipped folder to some directory.

Step: 3

Open Eclipse IDE and open the RDMNetwork project in Eclipse from the Source folder of the RDMSim Package as follows:

```
File->Open Projects from File System.
```

The RDMNetwork project will be loaded in the Project Explorer pane.

Step: 4

Use the following options in VM arguments when running the RDMNetwork Application.

```
Click on  Run ->Run Configuration
```

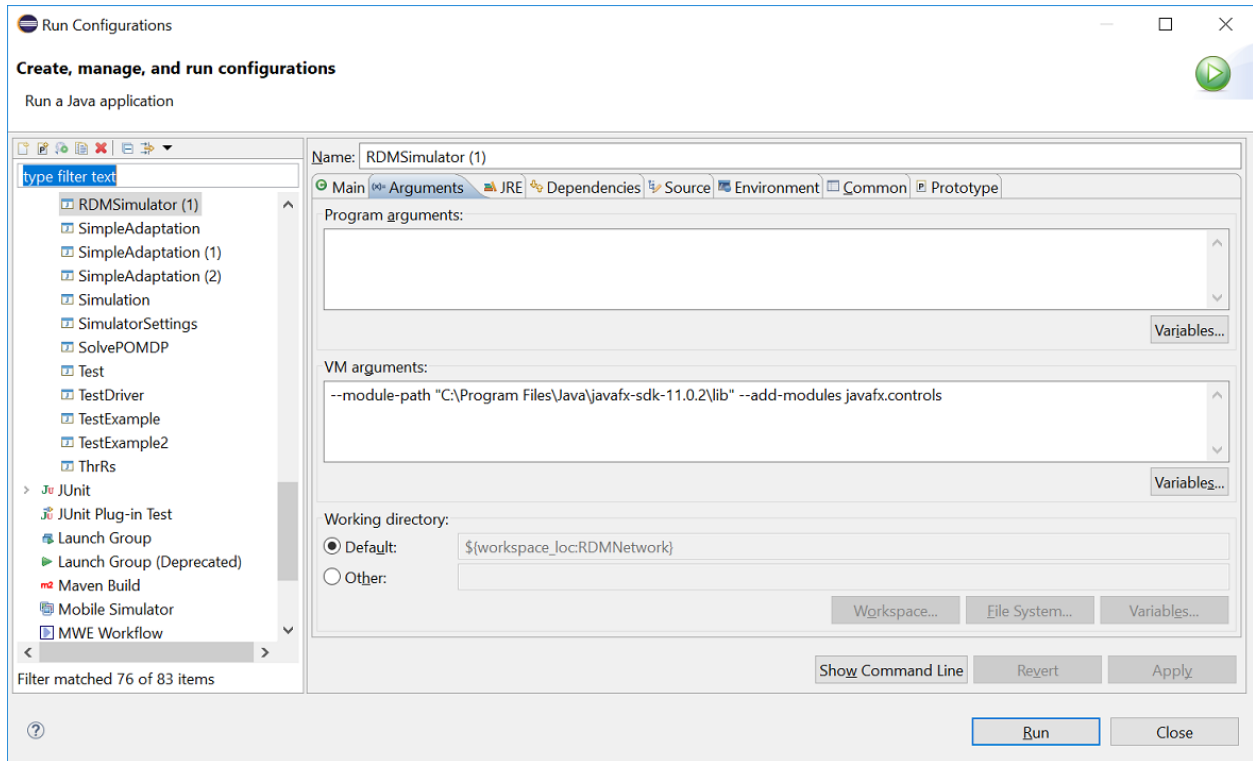The Run Configuration dialog box will be displayed as shown in Fig 1.

Figure 1: Run Configuration Dialog

Add the module-path (path to the javafx directory that you have downloaded) to VM arguments as follows:

```
--module-path path to javafx directory\javafx-sdk-15.0.1\lib --add-modules=javafx.controls
```

Click on Run. The project will not get executed at the moment as we have to add the other library.

3.2   JSON Library

Add the JSON library using the following steps:

Step: 1

Right click on the RDMNetwork project– Select Build Path–Configure Build Path as shown in Fig 2. The properties dialog box will be displayed next as shown in Fig 3.

Step: 2

Go to Library tab and Add the *json-simple1.1.jar* file from the *JAR Files* folder of the RDMSim Package using the Add External Jars option as shown in Fig 3.

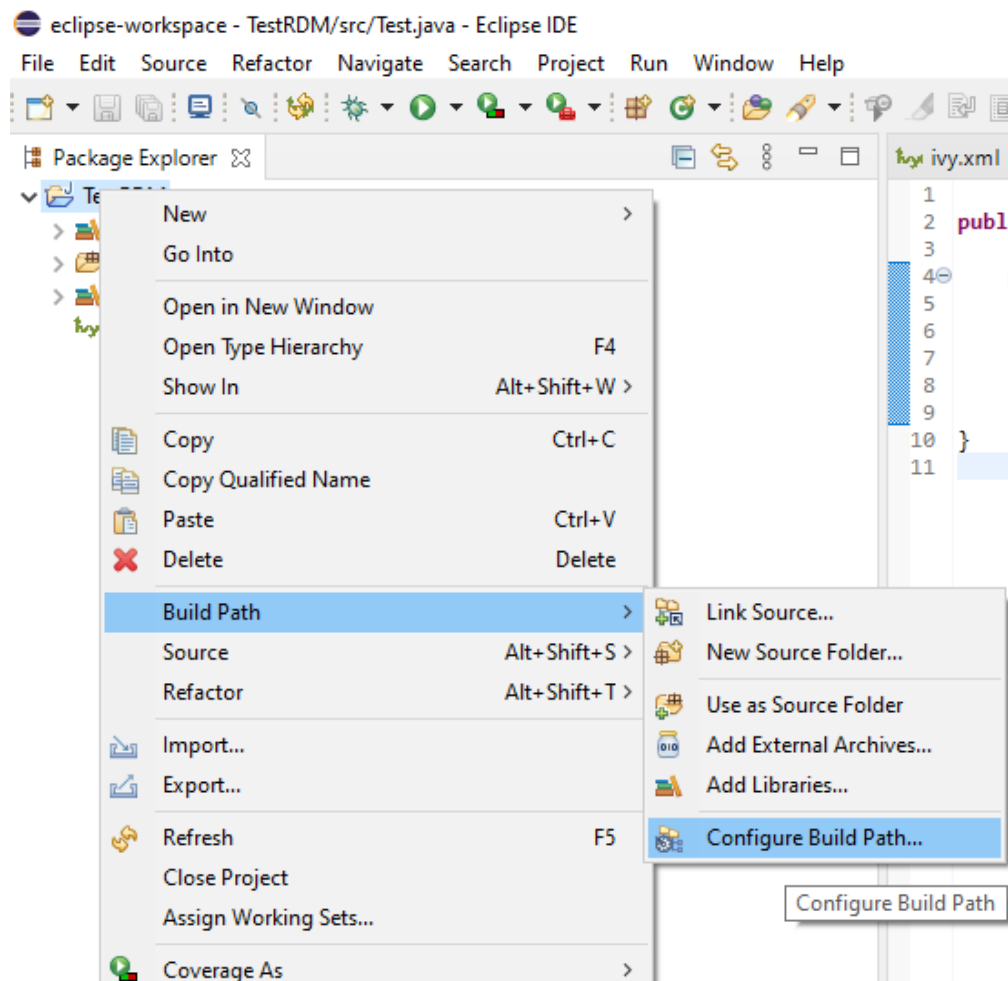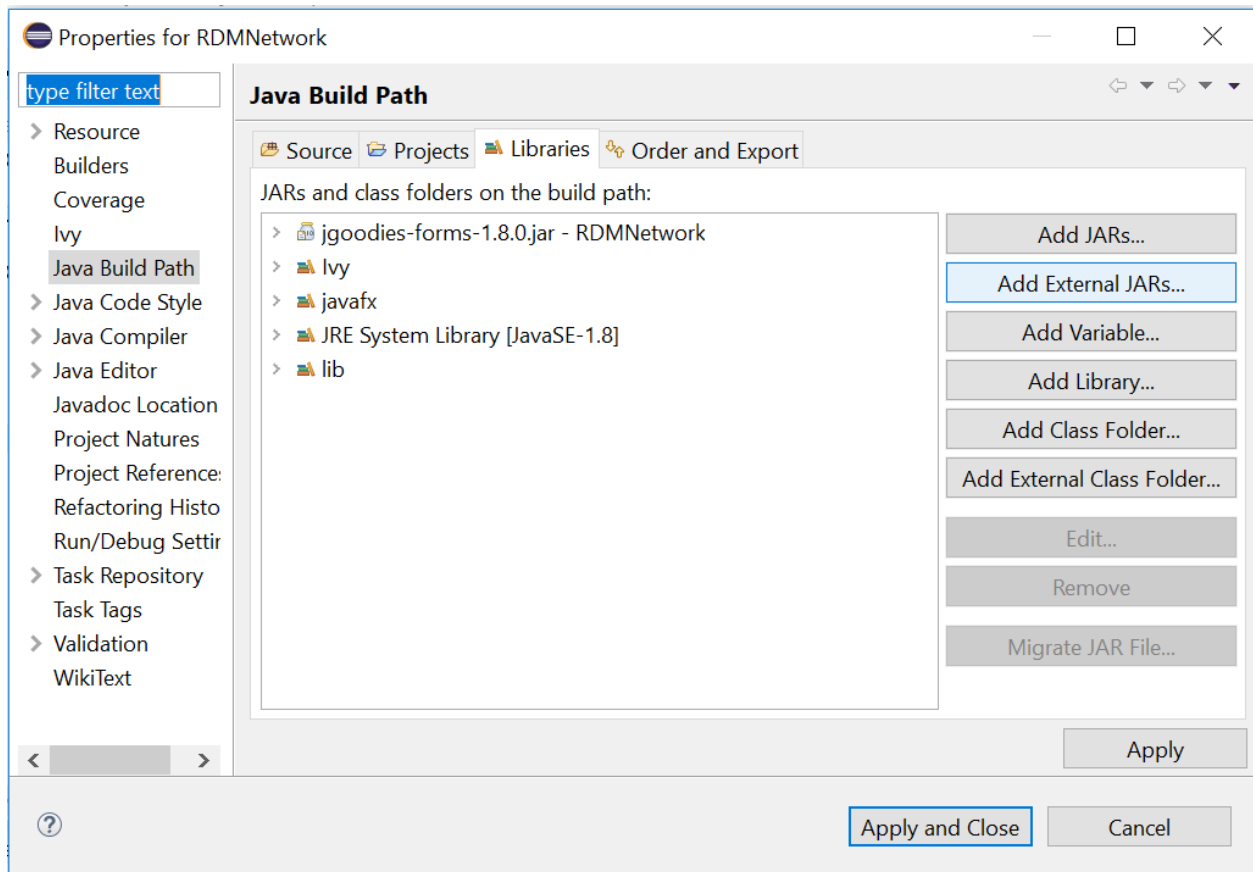Now the RDMNetwork project is ready to be executed.

Figure 2: Add JSON Library

Figure 3: Add JSON Library as External Jar