

# RDMSim Exemplar: Installation Guide

January 2021

## 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.

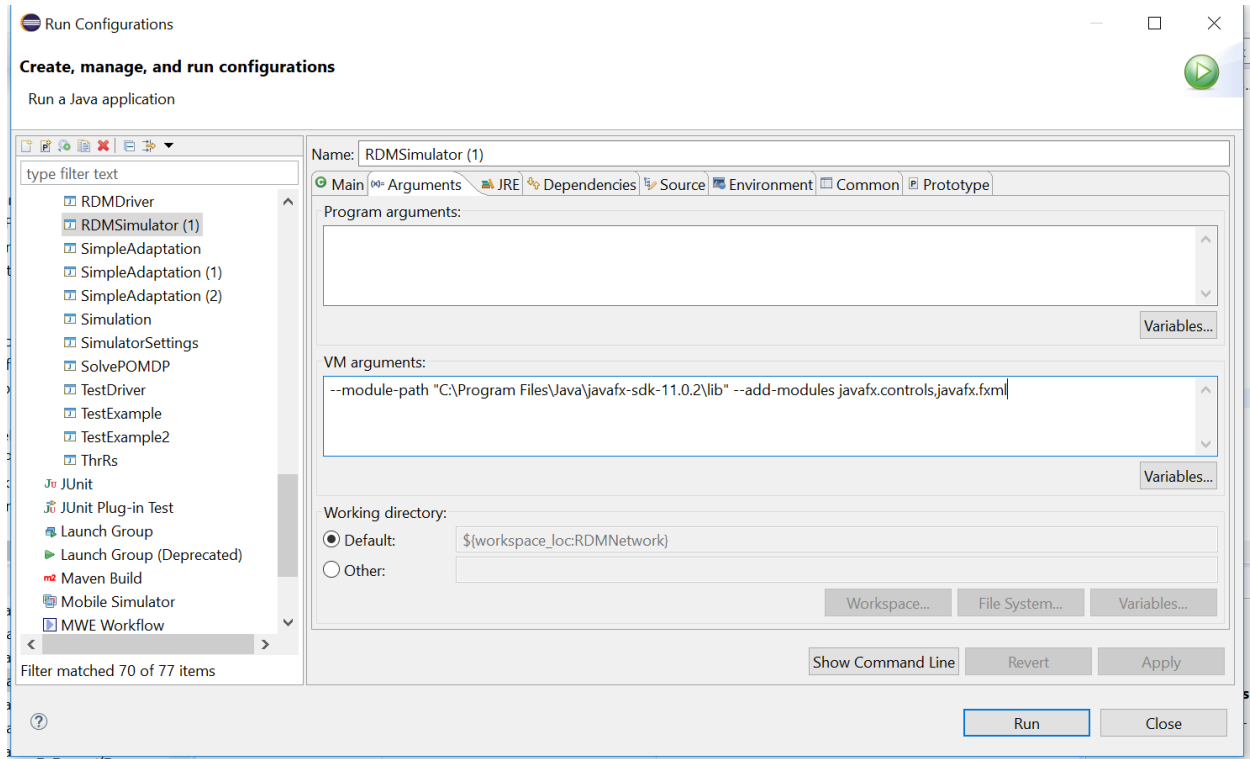


Figure 1: Run Configuration Dialog

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.

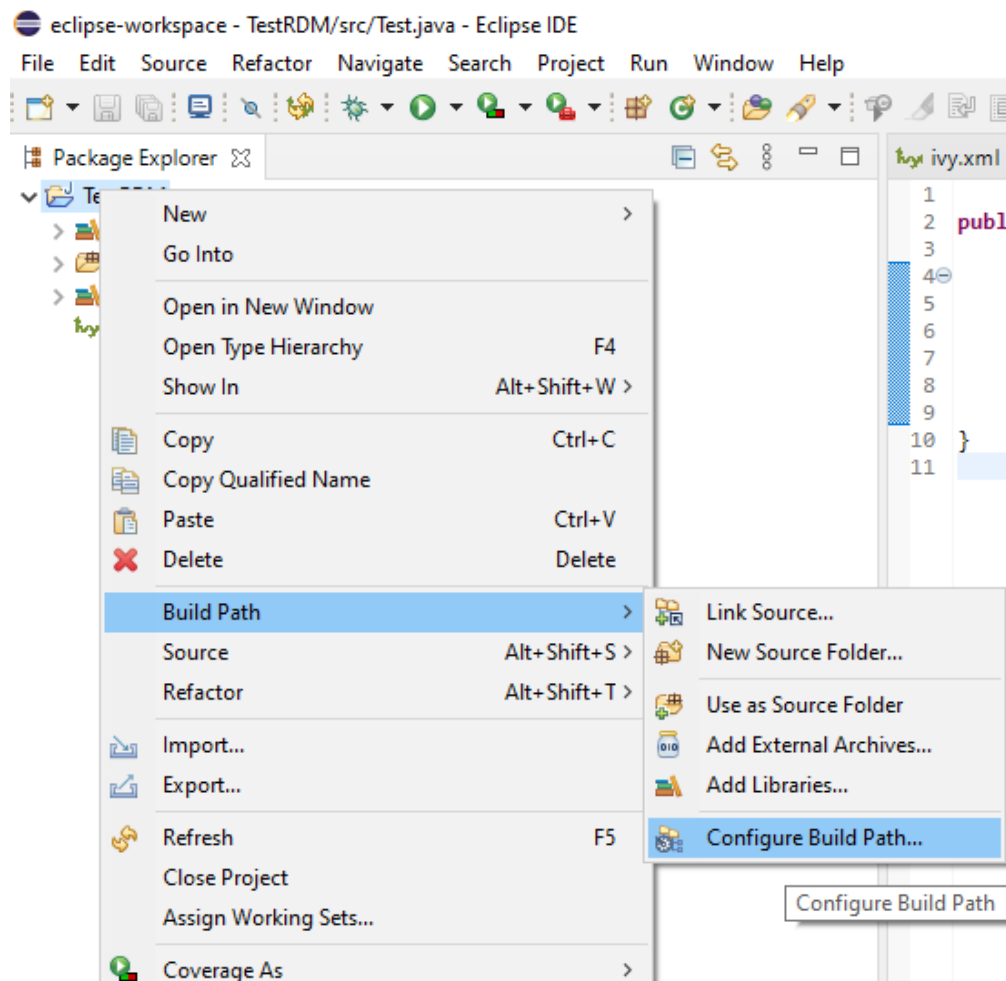


Figure 2: Add JSON Library

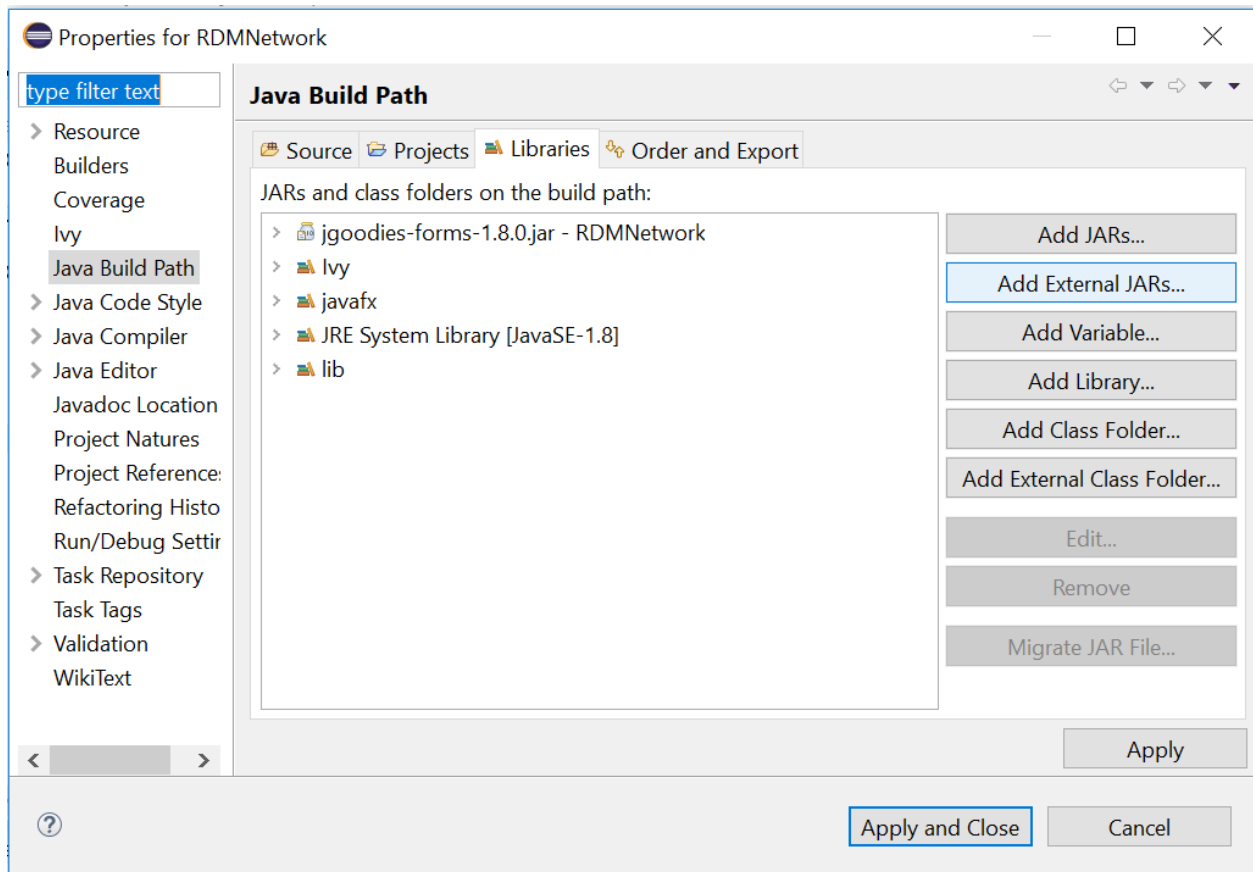


Figure 3: Add JSON Library as External Jar