

## Configuration Manual

MSc Research Project Cloud Computing

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Year:	2014
Module:	MSc Research Project
Supervisor:	Diego Lugones
Submission Due Date:	12/08/2024
Project Title:	Configuration Manual
Word Count:	280
Page Count:	4

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## Configuration Manual

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### 1 IfogSim Set up

• To Simulate the Algorithm, IfogSim is used in this research. It needs to be downloaded using given link.<sup>1</sup>

V2.0.0       Latest       Compare            mgoudarzi90 released this Apr 25, 2022         - 5 commits to main since this release				
▼Assets 3 ©iFogSim-main.zip	19.9 MB	Apr 25, 2022		
Source code (zip)  Source code (tar.gz)		Apr 25, 2022 Apr 25, 2022		

Figure 1: IfogSim download link

- Then we need to download the zip file from the link.
- Once it is downloaded then, We need to import it in the eclipse.

#### 2 Eclipse Set up

- $\bullet\,$  To execute the setup, we need to have the eclipse. It can be downloaded from the given  ${\rm link}^2$
- Once it is downloaded, it can be installed as shown in Figure 3
- After the installation is done, we need to open the eclipse.
- Import the downloaded IfogSim folder It looks like below Figure 4
- Once the package is imported, create the new class in Perfeval package.
- After the class is created import the class from given git link as shown in Figure 5

<sup>&</sup>lt;sup>1</sup>https://github.com/Cloudslab/iFogSim/releases/tag/v2.0.0

<sup>&</sup>lt;sup>2</sup>https://www.eclipse.org/downloads/



Figure 2: Eclipse download link



Figure 3: Eclipse





Figure 5: Code

### 3 Execution

- Run the java command to get the output.
- Output is displayed as shown in given image6



Figure 6: Ouput