

# User Guide

## Simulation de réseaux de files d'attente

ADOUANE Cylia  
ALI AHMEDI Mycipssa  
BONNET Ludivine  
DOUBI Dylan  
HAMMAD Amir  
HELLAL Ouiza  
LAMOUR Lauriane  
MOLINER Emma

Mercredi 20 mai 2020

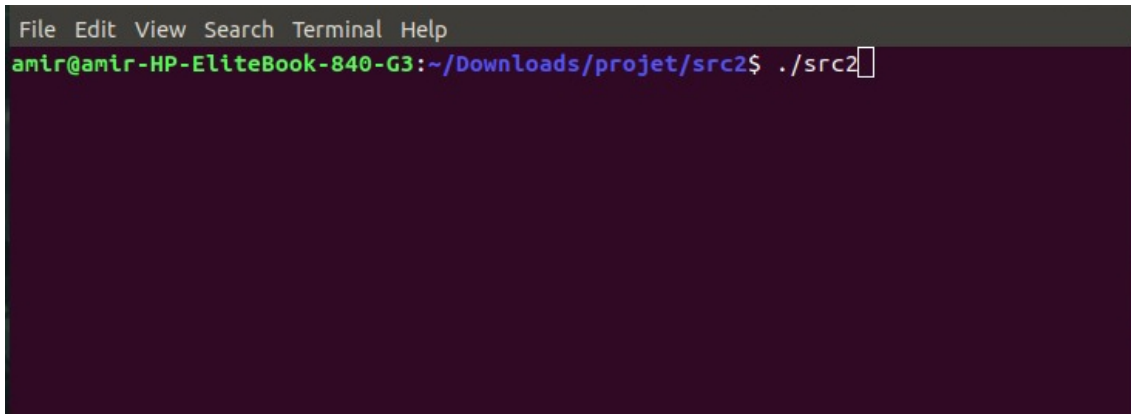
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## 1 How to Connect

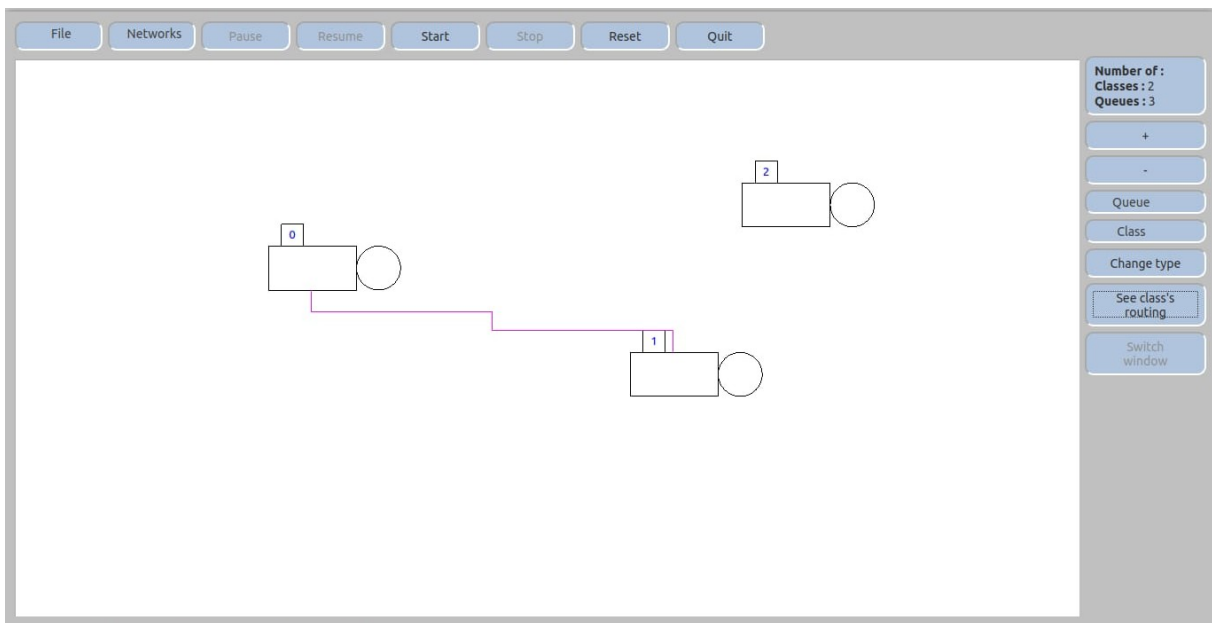
Open terminal to the src2 folder containing the src2 on linux and src2.cde file and enter the following command:

```
./src2
```



## 2 Creat a network

Welcome to "MODALLEC". We will describe all the options of the application one after the other.

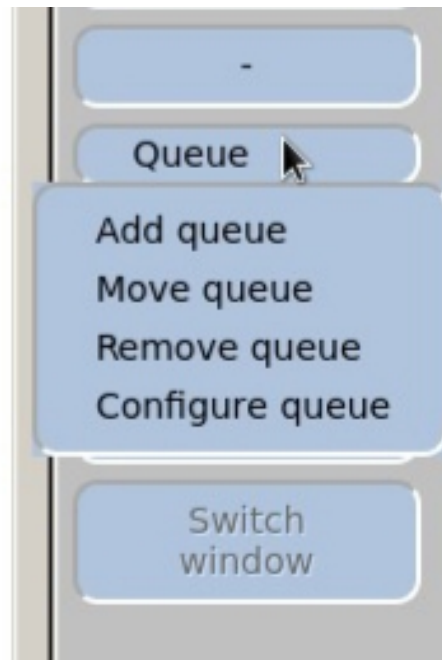


As soon as you log in, you will find several tabs: "File", "Networks", "Pause", "Resume", "Stop", "Reset", "Quit" we will discuss it later. On the

right of your screen is a tab called "Queue".

## 2.1 How to handle Queue

By selecting it, a menu bar opens, including 3 possibilities:



"Add Queue" : Allows you to add a queue to the screen by clicking on the reserved white space.

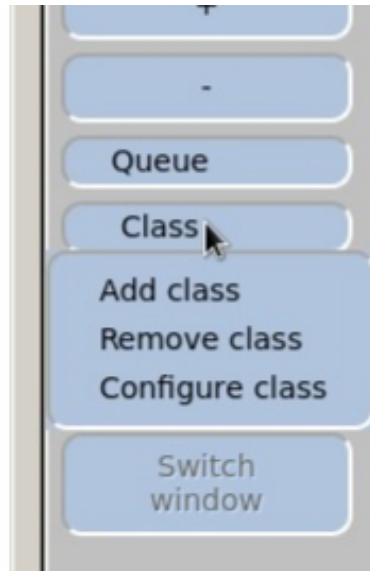
"Move Queue": Allows you to move a queue on the screen by clicking on the queue and then on the new location.

"Configure Queue" : Allows you to configure a queue, by selecting a queue or a server. Displays a dialog box with which you may change the values.

"Delete Queue" : Allows you to delete a queue, by selecting it.

## 2.2 How to handle client class

By clicking on it, a menu bar opens, including 3 possibilities:



"Add class" : Allows you to add a client class. Displayed a dialog box witch you may fill out.

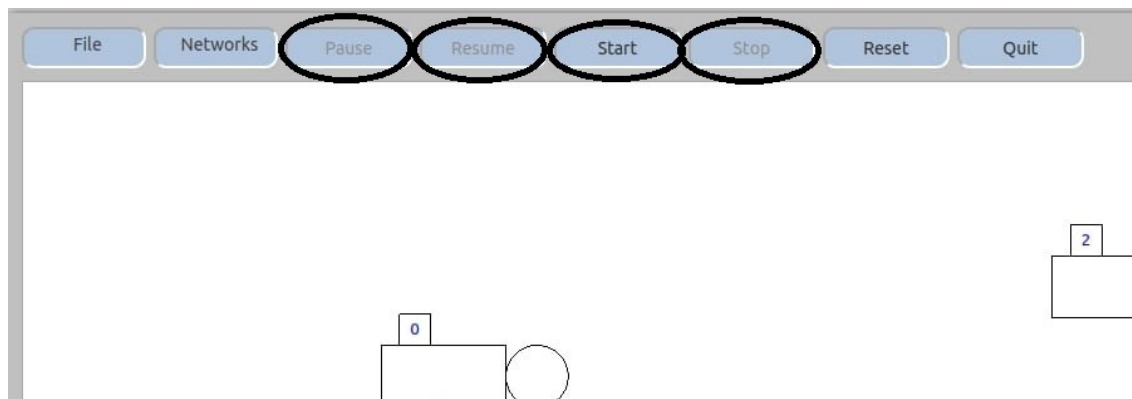
"Configure class" : Allows you to configure a client class. Displayed a dialog box witch you may changes the values.

"Delete class" : Allows you to delete a client class, by selecting it.

### 3 Simulation options

Once the structure of your network is complete, you may test it with a simulation and then with the calculated results, ajustement may be done.

#### 3.1 simulation process



##### 3.1.1 Start

"Start" : Allows you to enable the simulation.

### 3.1.2 Pause

"Pause" : Allows you to put one pause the simulation.

### 3.1.3 Resume

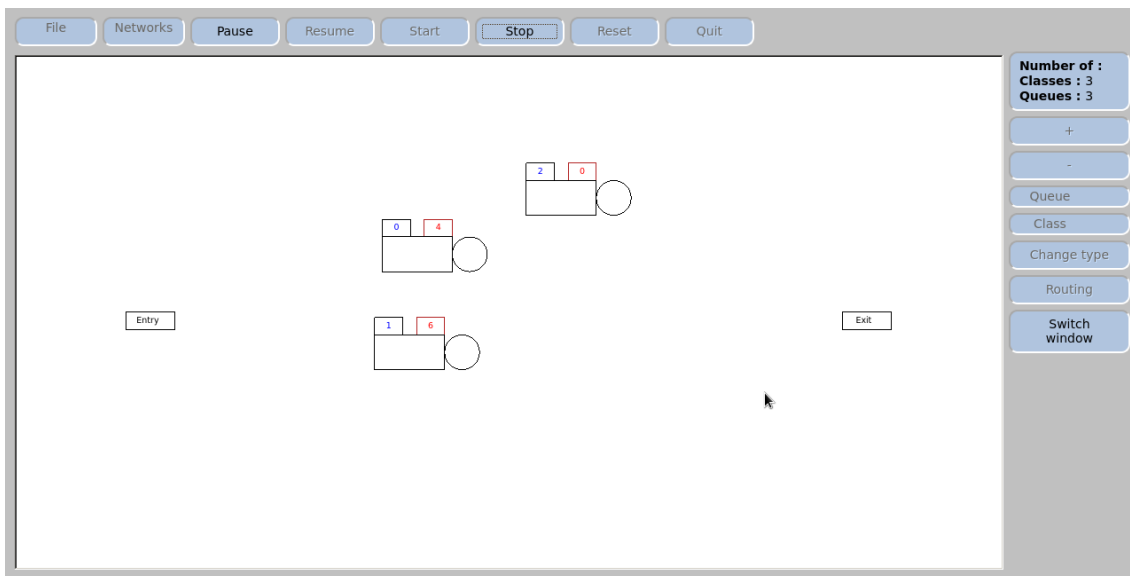
"Resume" : Allows to resume the simulation.

### 3.1.4 Stop

"Stop" : Allows you to stop the simulation. Displays a dialog box and display the performance calculated during the simulation.

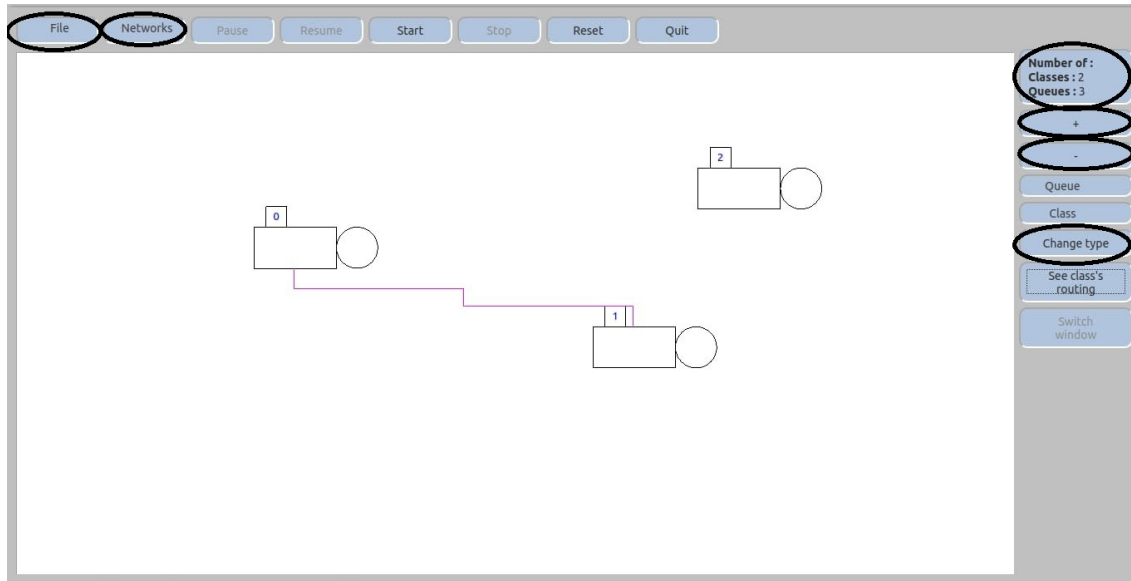
## 3.2 Indication during the simulation

Information about the network is provided to the right of the screen during the simulation.



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## 4 More options



### 4.1 File

By clicking on it, a menu bar opens, including 2 possibilities:

#### 4.1.1 Save

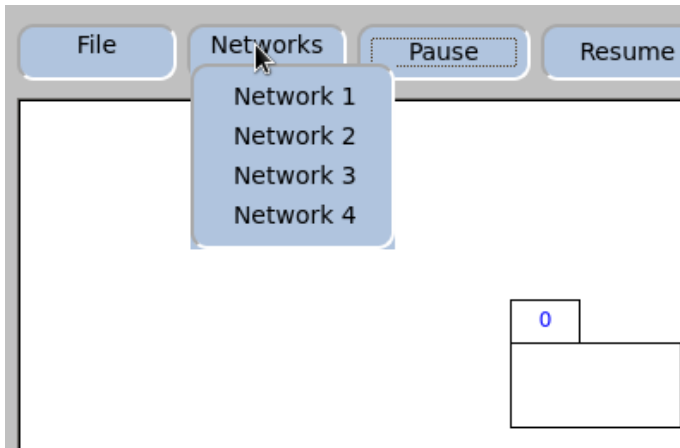
”Save” : Allows you to save the current network. Displayed a dialog box and request a folder to save the network.

#### 4.1.2 Open

”Open” : Allows you to open an existing file. Displayed a dialog box and request a folder to open the network.

### 4.2 Networks

By clicking on it, a menu bar opens, including 4 possibilities:



"Network1": Allows you to open a preestablished file. The network is an example of a closed mono-class network with 6 files, it is a closed Jackson network.

"Network2": Allows you to open a preestablished file. The network is an example of an open single-class network with 6 files, it is an open Jackson network.

"Network3": Allows you to open a preestablished file. The network is an example of a closed multi-class network with 6 files and different laws of service and arrival.

"Network4": Allows you to open a preestablished file. The open network is an example of a Supermarket queue network.

#### 4.3 Reset

"Reset" Allows you to reset the screen and go back to O form a new network.

#### 4.4 Indication about the network

On the right of your screen is a tab named "Number of:". This tab remind you the number of queue and class built on the network.

#### 4.5 Zoom

On the right of your screen is a tab named "+" and "-". These tabs will respectively Zoom in and Zoom out.



## 4.6 Change type

On the right of your screen is a tab called "Change type". This tab allows you to change the type of the network. Open's the network and closed it. You will start with a closed network.