

## Instructions to run TAS.v1.2

### Prerequisite

JavaSE-1.8 installed

Internet connection

Configuration with administrator rights

### Start TAS

1. Download the TAS archive and unzip
2. Open a terminal and go to the TAS folder
3. Start TAS (that runs on top of the ReSeP platform)

For Window run:

```
startWindows.bat
```

For Mac or Linux run:

```
./startMacLinux.sh
```

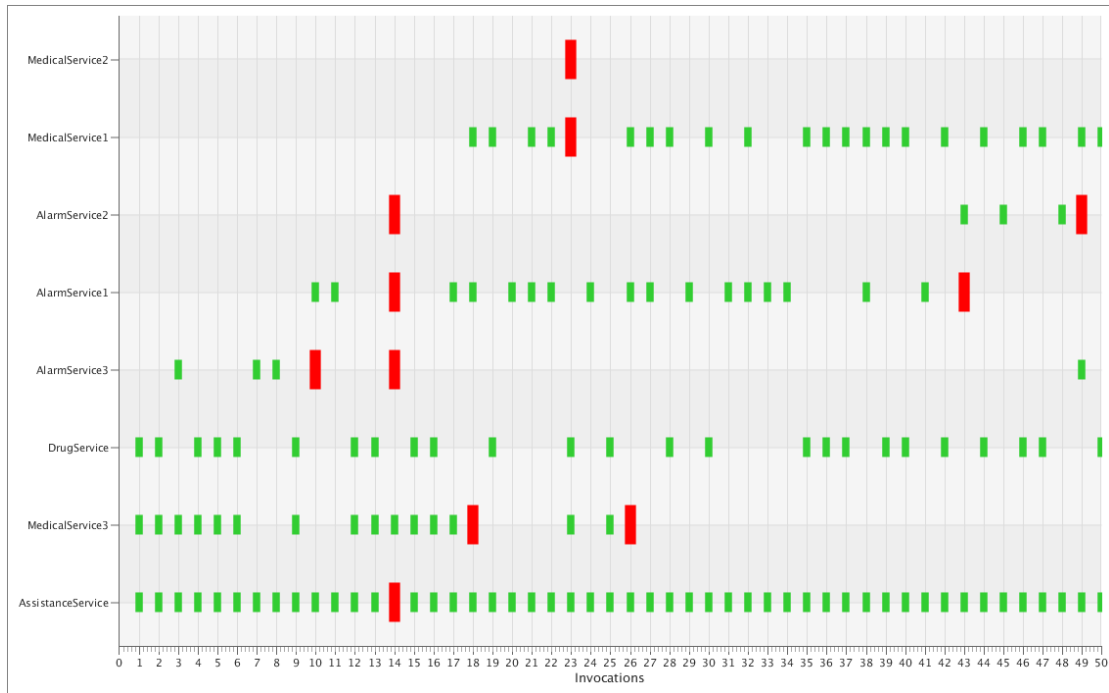
If ActiveMQ is not working properly, you can use the following commands:

1. Go to the folder: `apache-activemq-5.10.0/bin/`
2. For mac/linux run `./activemq start`  
For windows run `activemq start`
3. Go now to step 2 of "Start TAS" above

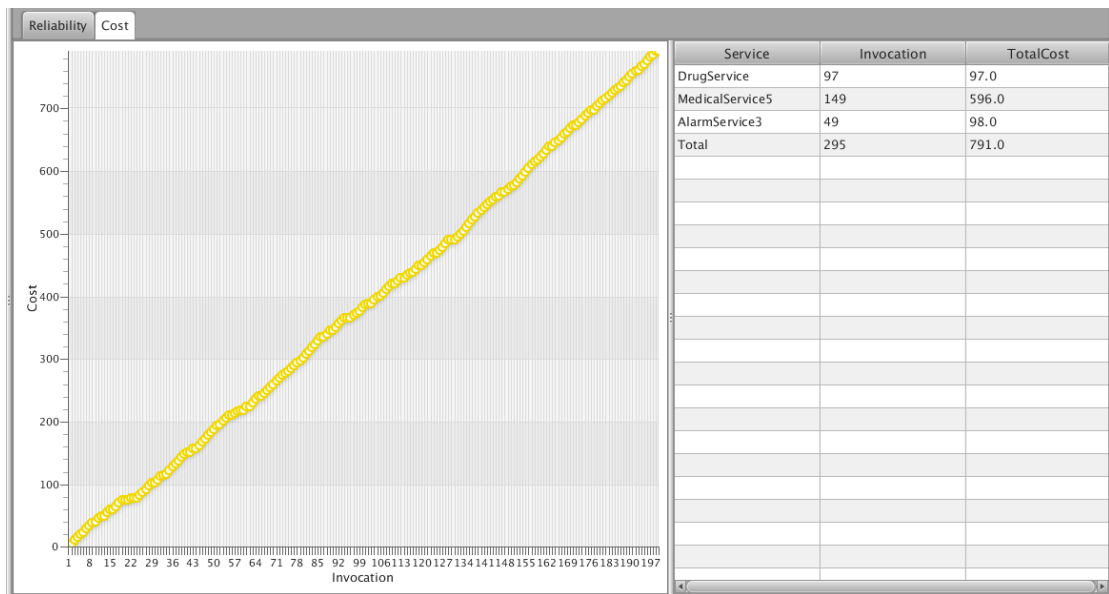
To allow communication via the underlying ActiveQM middleware the system may ask you to enter your password.

### Experiment with TAS

When TAS starts, it opens a GUI. TAS comes with a default workflow. The help button provides a guide that explains the different elements of the TAS GUI. You can either run TAS without adaptation or with a simple adaptation engine (select the corresponding buttons). Then you can select one of the input profiles and perform a run by clicking the green arrow. Once the run ends, the results will appear in the graph/table panel. Green dots in the reliability graph represent successful invocations of services and red dots failures. The cost graph shows the cumulative cost over the run. You can experiment with different input profiles and even change the parameters of the input profiles by opening the XML specification file. The reliability and cost graphs are show below:



Reliability Graph (run with Simple Adaptation)



Cost Graph (run Without Adaptation)