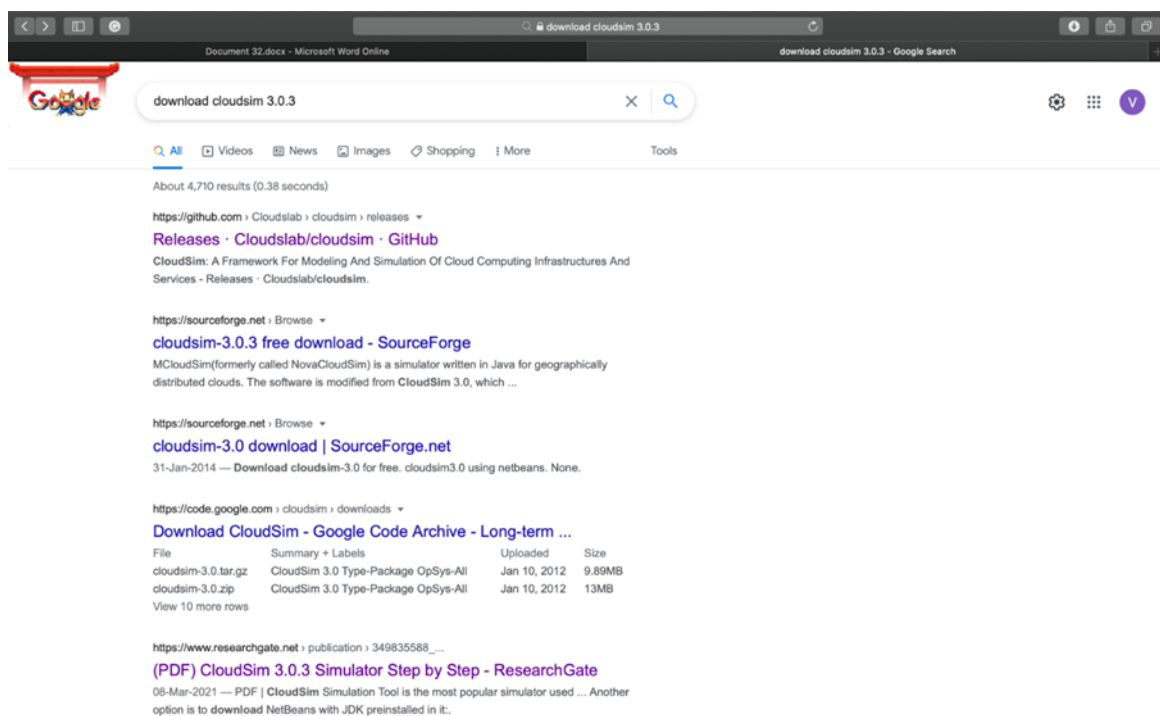


# Lab 3

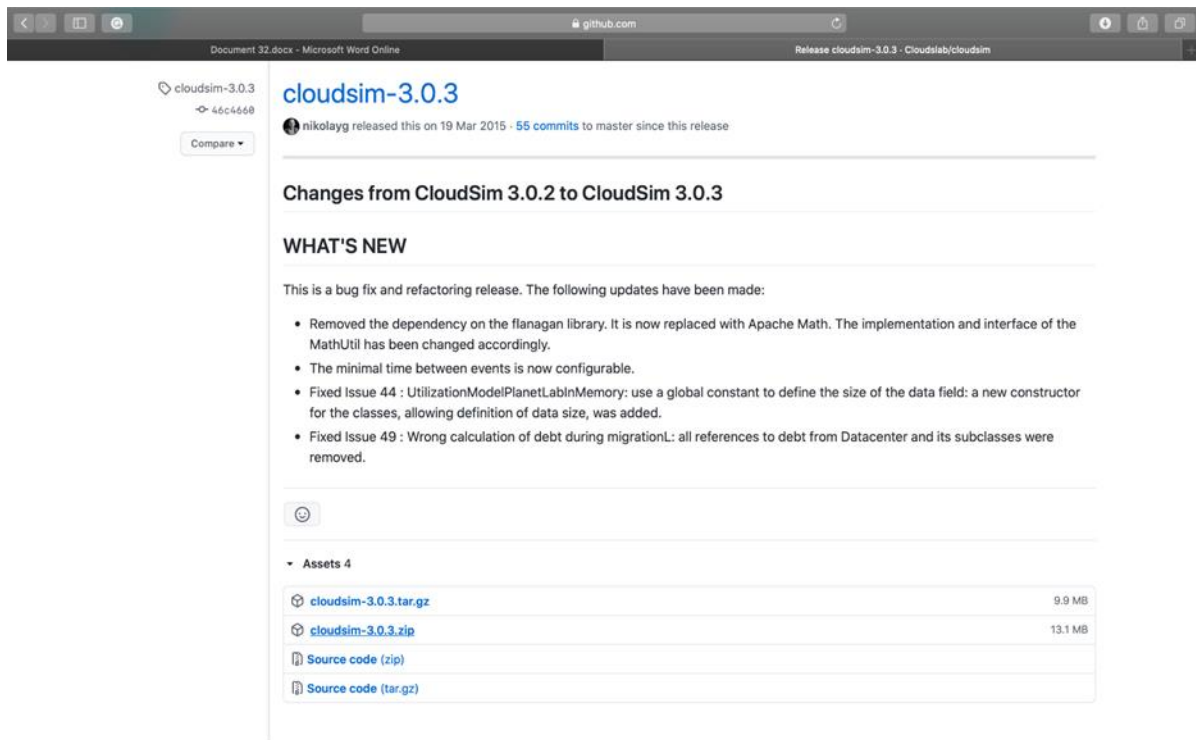
Aim: To simulate a cloud scenario and run a scheduling algorithm in CloudSim.

Step 1: Download CloudSim.

To download CloudSim, go to google and search download cloudSim. 3.0.3.(we will use CloudSim 3.0.3, that is, basic version of CloudSim here) and go to the first link.



Now go to CloudSim 3.0.3 and download 'cloudsim-3.0.3.zip'.



cloudsim-3.0.3  
46c4668

Compare

## cloudsim-3.0.3

nikolayg released this on 19 Mar 2015 · 55 commits to master since this release

### Changes from CloudSim 3.0.2 to CloudSim 3.0.3

#### WHAT'S NEW

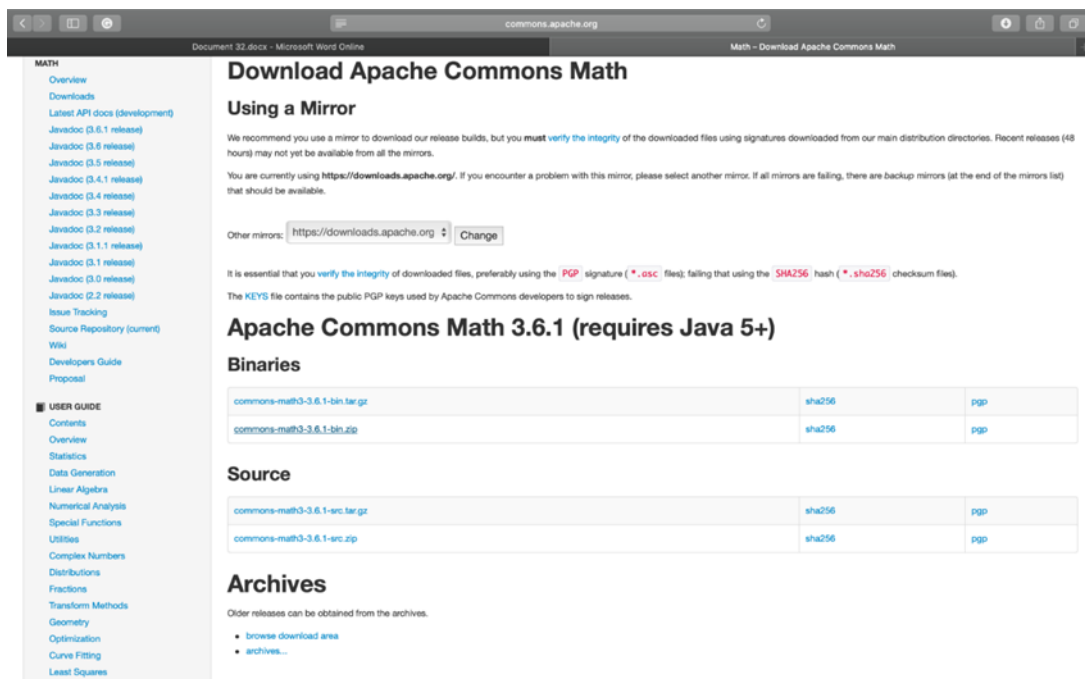
This is a bug fix and refactoring release. The following updates have been made:

- Removed the dependency on the flanagan library. It is now replaced with Apache Math. The implementation and interface of the MathUtil has been changed accordingly.
- The minimal time between events is now configurable.
- Fixed Issue 44 : UtilizationModelPlanetLabinMemory: use a global constant to define the size of the data field: a new constructor for the classes, allowing definition of data size, was added.
- Fixed Issue 49 : Wrong calculation of debt during migrationL: all references to debt from Datacenter and its subclasses were removed.

Assets 4

cloudsim-3.0.3.tar.gz	9.9 MB
cloudsim-3.0.3.zip	13.1 MB
Source code (zip)	
Source code (tar.gz)	

Step 2: Download Apache Commons Math3- 3.6.1 zip file from Google.



## Download Apache Commons Math

### Using a Mirror

We recommend you use a mirror to download our release builds, but you **must** [verify the integrity](#) of the downloaded files using signatures downloaded from our main distribution directories. Recent releases (48 hours) may not yet be available from all the mirrors.

You are currently using <https://downloads.apache.org/>. If you encounter a problem with this mirror, please select another mirror. If all mirrors are failing, there are backup mirrors (at the end of the mirrors list) that should be available.

Other mirrors:  [Change](#)

It is essential that you [verify the integrity](#) of downloaded files, preferably using the [PGP](#) signature ([\\*.asc](#) files); failing that using the [SHA256](#) hash ([\\*.sha256](#) checksum files).

The [KEYS](#) file contains the public PGP keys used by Apache Commons developers to sign releases.

## Apache Commons Math 3.6.1 (requires Java 5+)

### Binaries

commons-math3-3.6.1-bin.tar.gz	sha256	pgp
commons-math3-3.6.1-bin.zip	sha256	pgp

### Source

commons-math3-3.6.1-src.tar.gz	sha256	pgp
commons-math3-3.6.1-src.zip	sha256	pgp

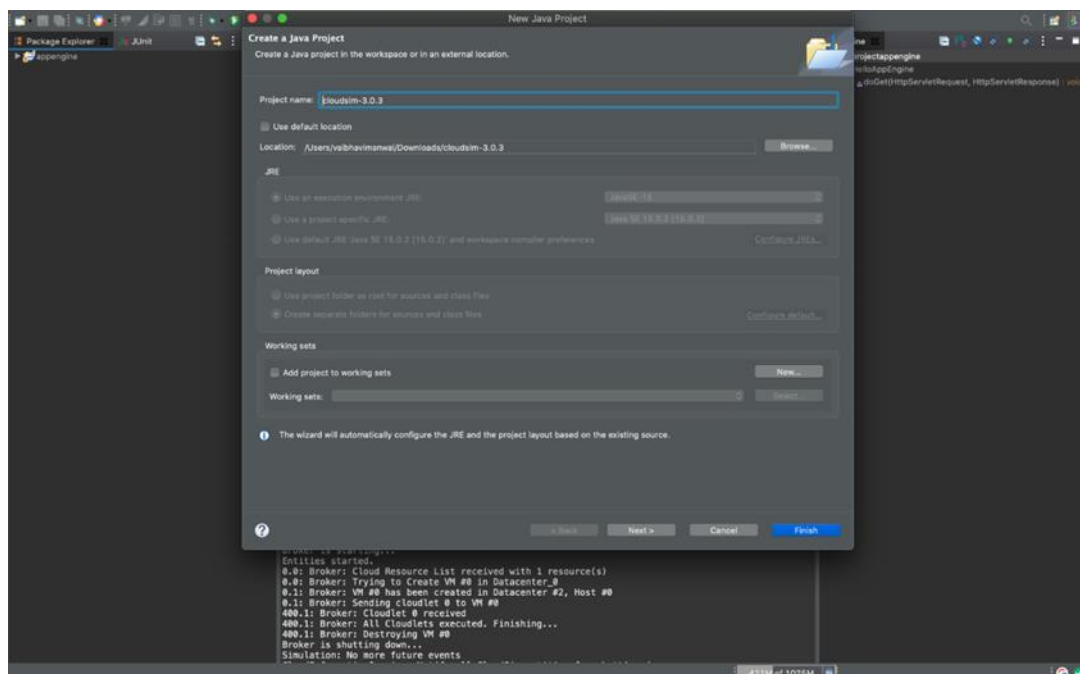
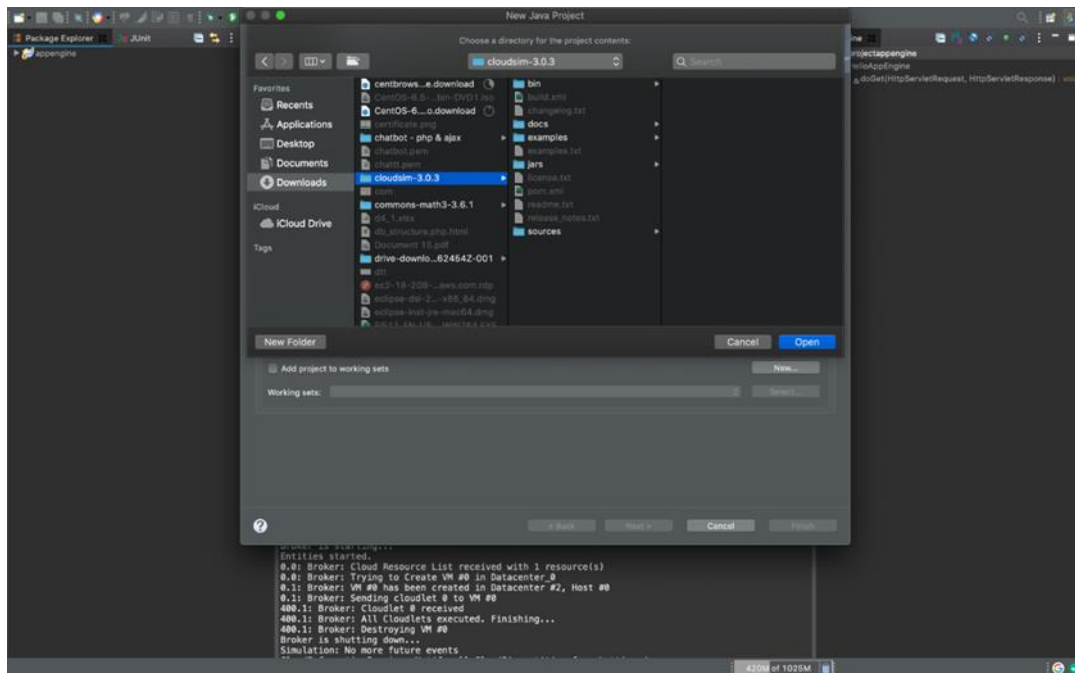
### Archives

Older releases can be obtained from the archives.

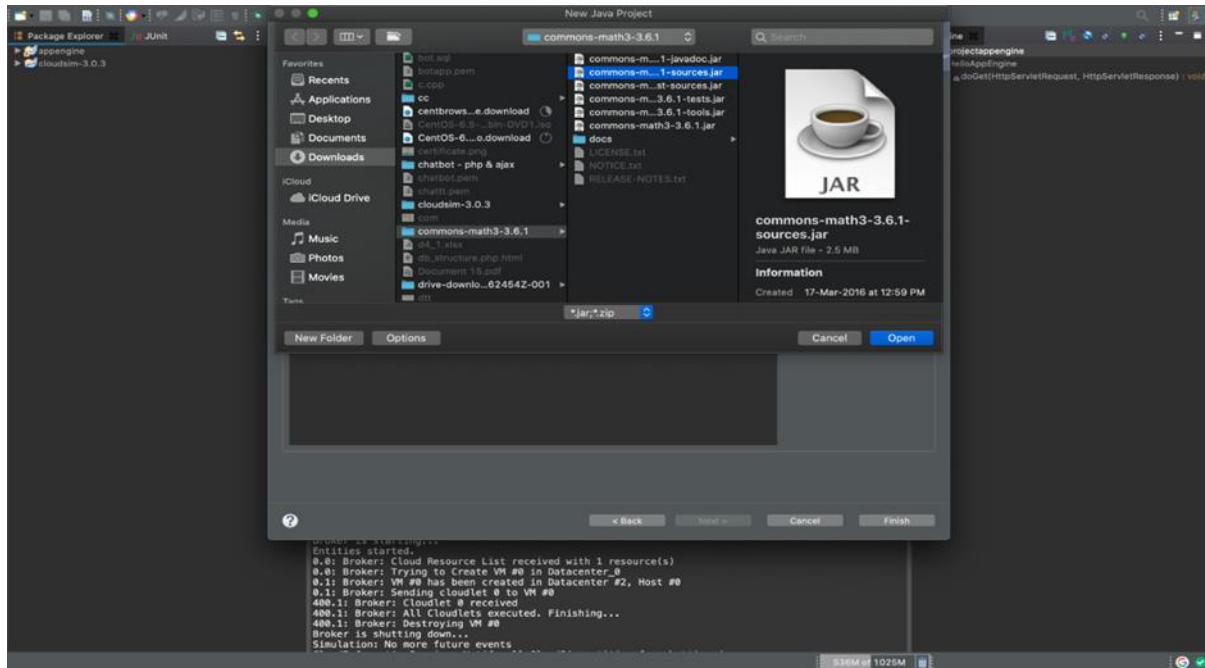
- [browse download area](#)
- [archives...](#)

Step 3: Open Eclipse IDE and create new Java project. To create a project:

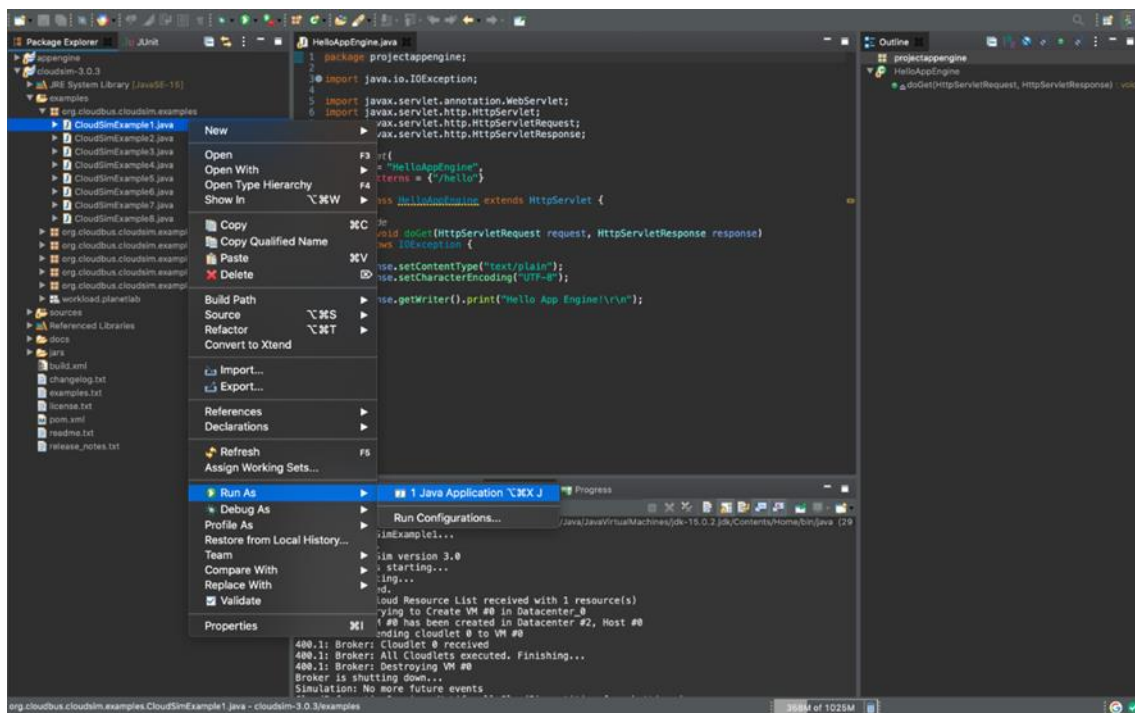
1. Browse the Cloudsim location in eclipse as shown below.



2. Now Click next and go to Libraries -> Import jars -> Add External JARs and import commons-math3-3.6.1-source.jar file from the zip file you downloaded in step 2 above. Now click on finish.



Step 4: Go to your project -> examples -> org.cloudbus.cloudsim.examples and run any example. Here I'm running example1.



The output will be visible in the screen to you.

