



schedulers to implement







Coudsim

CloudSim

to simulate laaS Cloud

to evaluate your Vm schedulers

SLA compliance, cloud energy consumption, revenue, ...

CloudSim 10

simulation framework

artificial model of laaS components

allows to simulate days of usage in seconds

appropriate for reproducibility purpose and large scale prototyping

CloudSim 10

event loop over a simulated clock

SimEntities send events to others by their id

each SimEntity processes its current events, generates new events

the clock ticks when there is no more current events to process

(see Helper.java)

400 HP Proliant Ml110G4

2 pes* x 1860 MIPS, 4GB RAM

400 HP Proliant Ml110G5

2 pes x 2660 MIPS, 4GB RAM

linear power models

VMM scheduler

oversubscribable, time-shared

non-blocking network

see Helper.java

10 random days on Planetlab

1052 VMs

4 templates

1 x 500 MIPS, 613MB RAM

1 x 2500 MIPS, 870MB RAM

varying MIPS requirements

all Vms launched at startup

project workflow

clone the skeleton

https://github.com/fhermeni/vicc-project

host your work on a **private** repository github education, bitbucket, ...

grant me the pull access

@deadline, I clone and evaluate master



Evaluation criteria

Effectiveness of the schedulers/observers code quality documentation/justification (file notes.md)

17th February 23h59

3 persons per team

don't touch my

VmAllocationPolicyFactory.java notes.md

0359000 scheduler purpose Design choice worst-case temporal complexity

notes.mo

what did you do?

Swhat failed, what succeeded?

scheduler outputs

Interesting project & lecture or not?