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schedulers to implement







to simulate laaS Cloud

to evaluate your Vm schedulers

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

simulation framework

artificial model of laaS components

allows to simulate days of usage in seconds

appropriate for reproducibility purpose and large scale prototyping

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

* aka. cores

see Helperjava

10 random days on Planetlab

1052 VMs

4 templates

1 x 500 MIPS, 613MB RAM

"i x 2500 MIPS, 870MB RAM

varying MIPS requirements

all Vms launched at startup

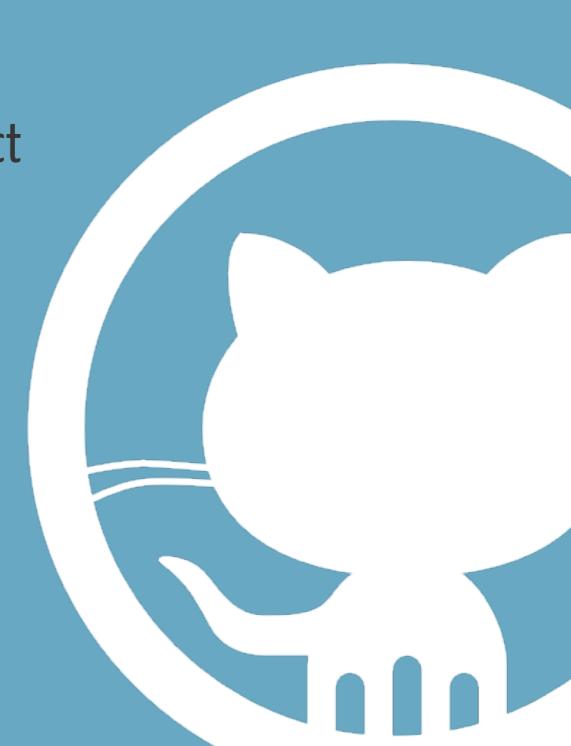
project workflow

clone the skeleton https://github.com/fhermeni/vicc-project

host your work on a private repository bitbucket?

grant me the pull access

@deadline, I clone and evaluate master



Evaluation criteria

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

for the last 2 schedulers

Others

12th february 23h59

2 persons per team

don't touch my code

don't touch other code

VmAllocationPolicyFactory.java notes.md