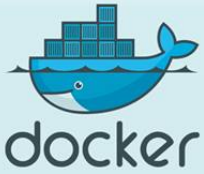
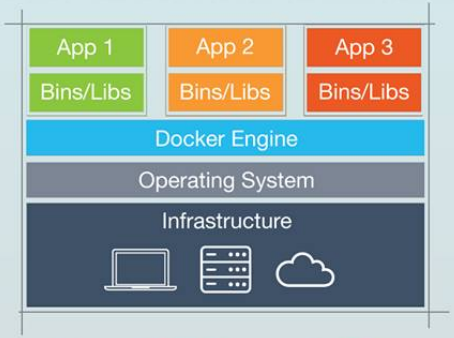


• Lightweight •
• Open •
• Secure •

How is this different from virtual machines?



How does this help you build better software?

Accelerate developer onboarding
Empower developer creativity
Eliminate environment inconsistencies

Easily Share and Collaborate on Applications

Distribute and share content
Simply share your application with others

Ship More Software Faster

Ship 7X More
Quickly Scale
Easily Remediate Issues

The team

RICM5 students

EUDES Robin

DAMOTTE Alan

BARTHELEMY Romain

MAMMAR Malek

GUO Kai

DUT Students

BONNARD Loïc

CAPERAN Théo

Supervisors

Pierre-Yves Gibello

Vincent Zurczak

Didier Donsez

Sponsors

POLYTECH GRENOBLE

UNIVERSITÉ Grenoble Alpes

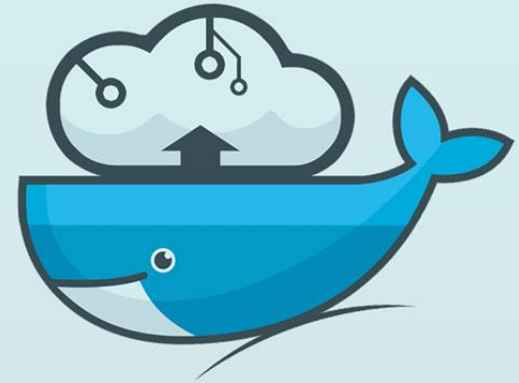
LINAGORA

License

Project under GPLv3 licence

GPL Free Software

Free as in Freedom



Collaborative Iaas

« Cloud computing is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction. »

You want to make money by sharing your resources?

You want a cheap cloud computing service?

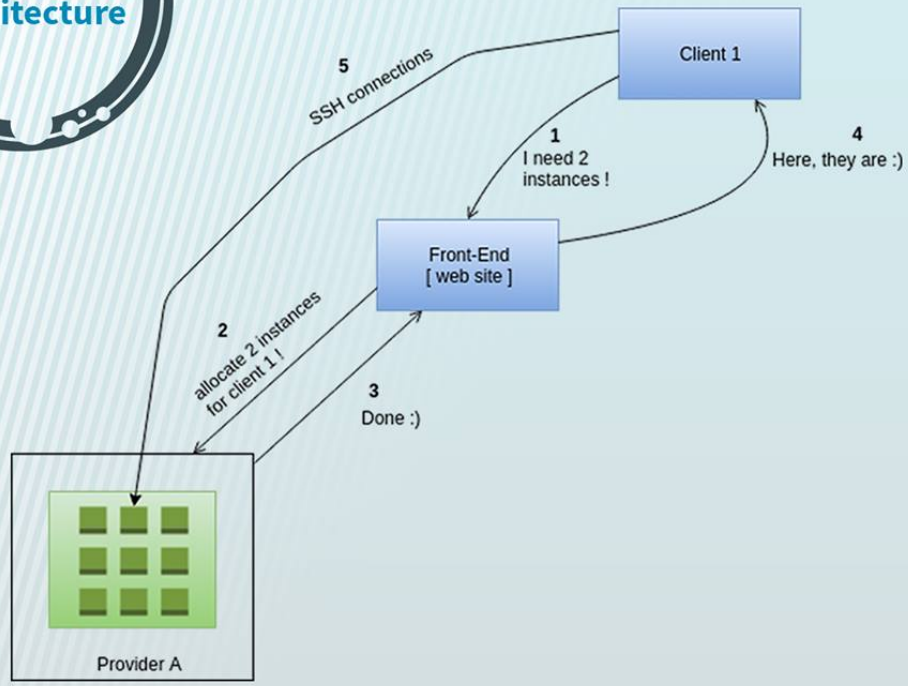
Try our's!

https://github.com/EudesRobin/iaas-collaboratif

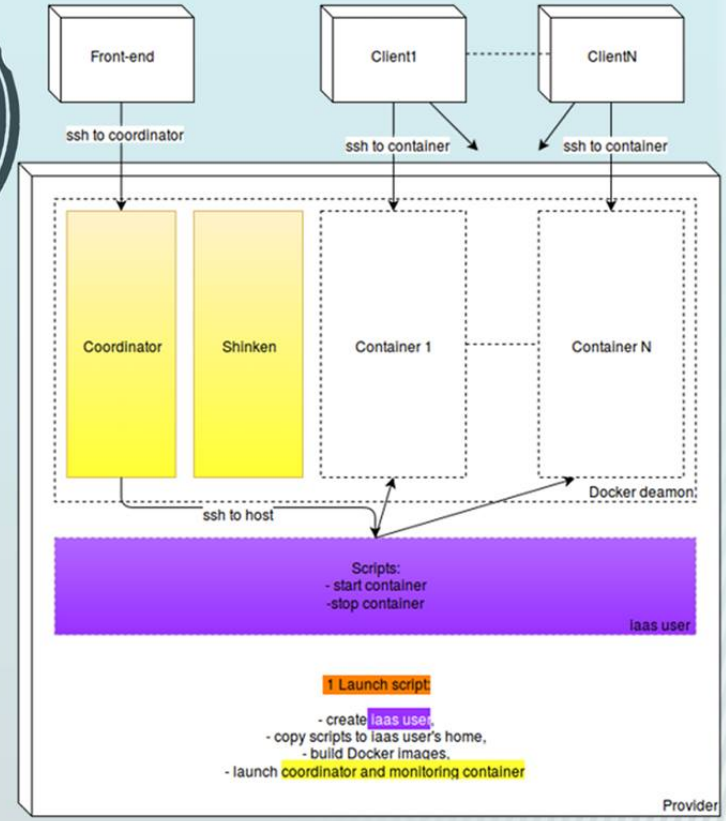
http://air.imag.fr/index.php/Projets-2015-2016-IaaS_Docker

System Architecture

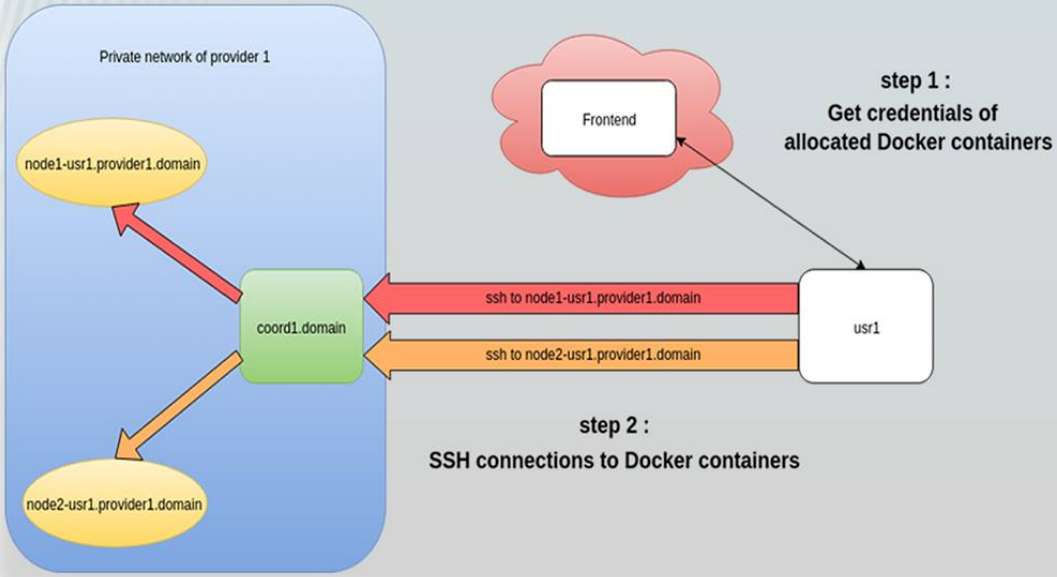
Instances' allocation



Container's automatic deployment



SSH connections



step 1 :
Get credentials of allocated Docker containers

step 2 :
SSH connections to Docker containers

Techs

docker

Angular Meteor

RabbitMQ

mongoDB