First experiences with Docker

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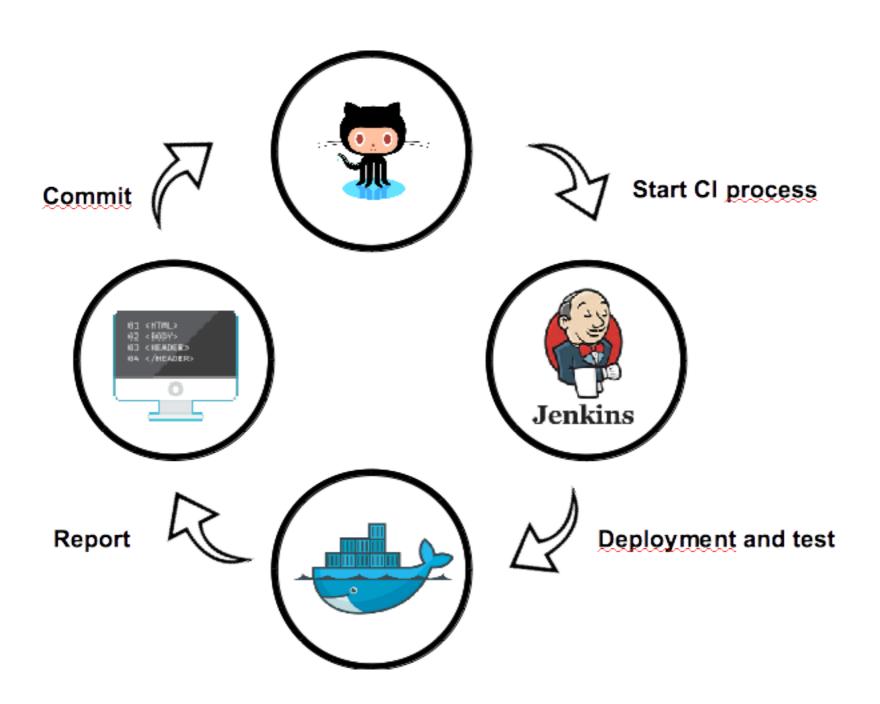
Use cases

Continuous integration and testing

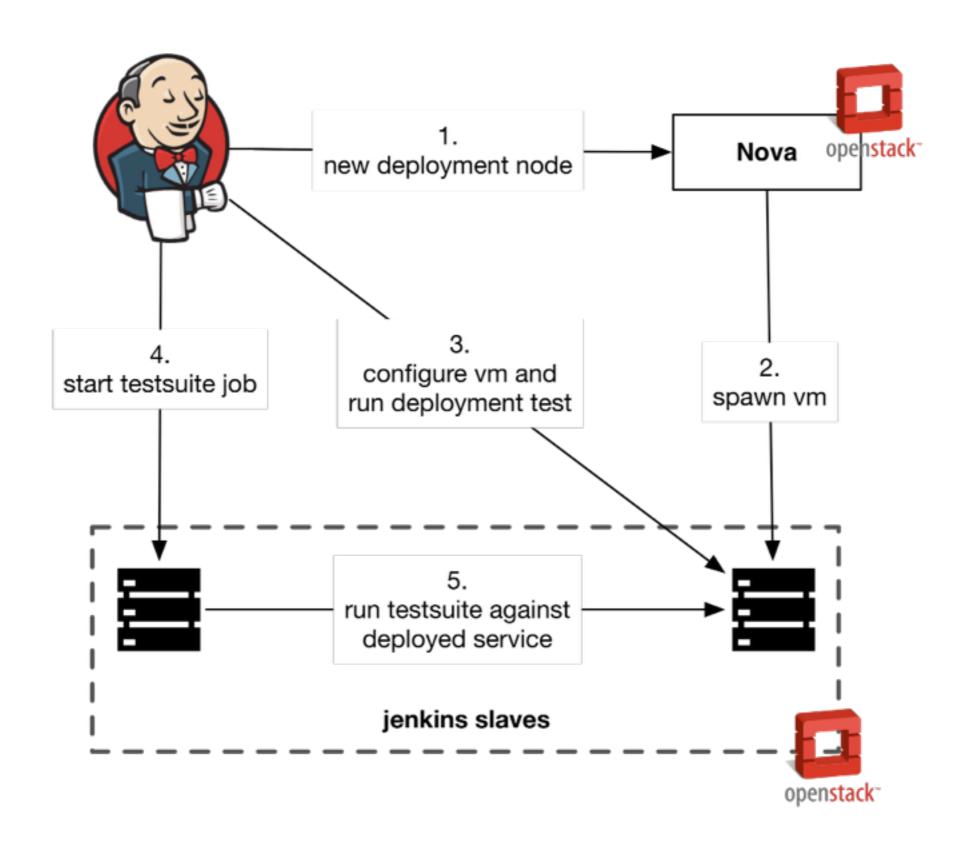
Isolated development and test environments

Provision and orchestration of production services

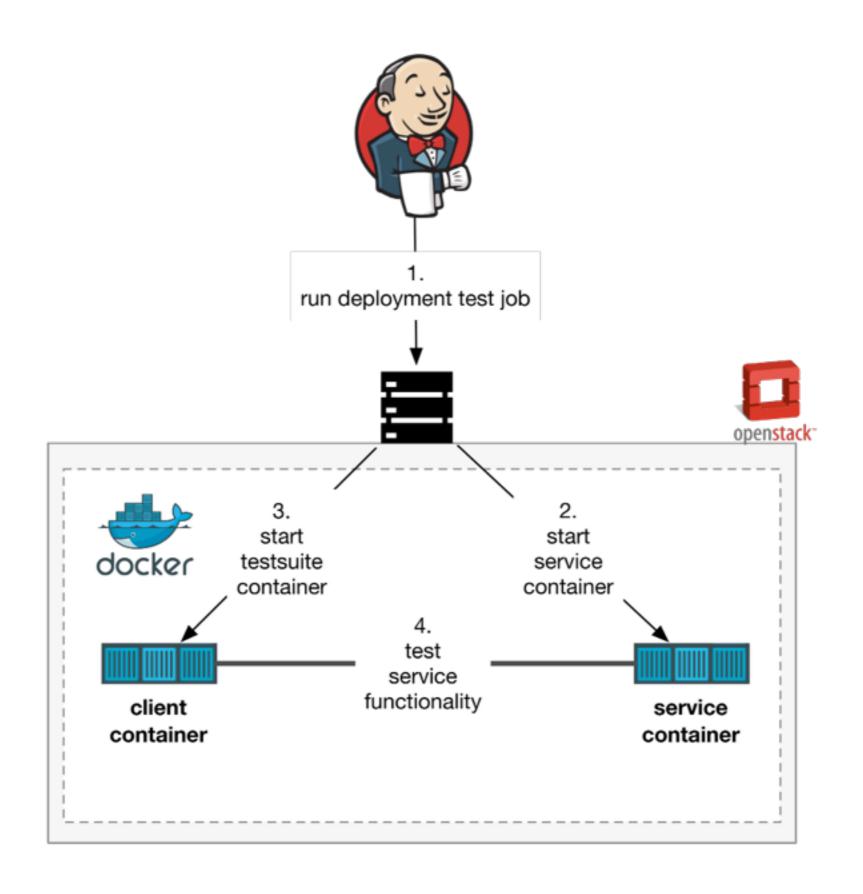
Continuous integration (CI)



Continuous deployment testing (on VMs)



Continuous deployment testing (on containers)





b deployment_STORM_docker

#251

Torna al progetto





Output console

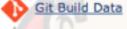


Visualizza Informazione della Build





Environment Variables



Robot Results



Compilazione precedente





Compila #251 (31-mar-2015 14.22.04)



No changes.



Started by timer



Revision: c2acdd0667bee837378a23c56260422ea348bc5f

· origin/master



Robot Test Summary:

	Total	Failed	Passed	Pass %
Critical tests	754	0	754	100.0
All tests	754	0	754	100.0

> Browse results

Configurazioni



MODE=clean







b deployment_STORM_docker

Robot Results

ABILITA IL REFRESH AUTOMATICO







Stato







Output console



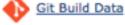
Visualizza Informazione della Build

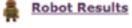


Parameters



Environment Variables





Compilazione precedente



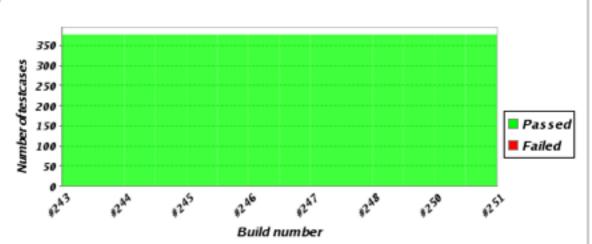
Build successiva

Robot overview for configurations

Configuration: clean, SL6, docker-deployment

	Total	Failed	Passed	Pass %
Critical tests	377	0	377	100.0
All tests	377	0	377	100.0

- > Browse results
- > Open report.html
- > Open log.html

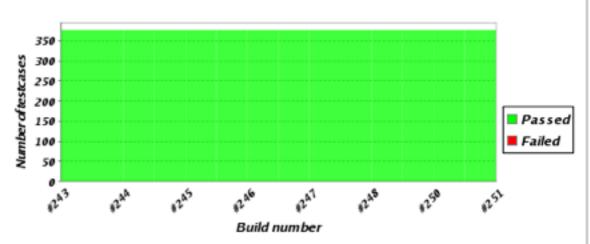




Configuration: update, SL6, docker-deployment

	lotai	railed	Passed	Pass %
Critical tests	377	0	377	100.0
All tests	377	0	377	100.0

- > Browse results
- > Open report.html
- > Open log.html

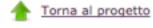


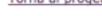
Avviato 2 days 18 hr fa

Durata 17 min Su cloud-vm151.cloud.cnaf.infn.it

deployment_STORM_docker

clean, SL6, docker-deployment







Modifiche





















#251

Compila clean, SL6, docker-deployment (31mar-2015 14.22.04)



rodotti della compilazione	
bookkeeping.log	0 B 🖭 <u>view</u>
heartbeat.log	2.42 KB 🖭 <u>view</u>
lcmaps.log	18.06 KB 🖭 view
storm-backend.log	541.30 KB 🖭 view
storm-frontend-server.log	372.86 KB 🖭 <u>view</u>
storm-globus-gridftp.log	25.02 KB 🖭 <u>view</u>
storm-gridftp-session.log	63.75 KB 🖭 <u>view</u>
storm-gridhttps-server.log	378.31 KB 🖭 <u>view</u>
storm-deployment.log	93.77 KB 🚛 view



No changes.



Started by upstream project deployment STORM docker build number 251 originally caused by:

· Started by timer



Revision: c2acdd0667bee837378a23c56260422ea348bc5f

origin/master



Robot Test Summary:

				Pass %
Critical tests	377	0	377	100.0
All tests	377	0	377	100.0

- > Browse results
- > Open report.html
- > Open log.html

CI Openstack Infrastructure

Jenkins slave setup for docker docker



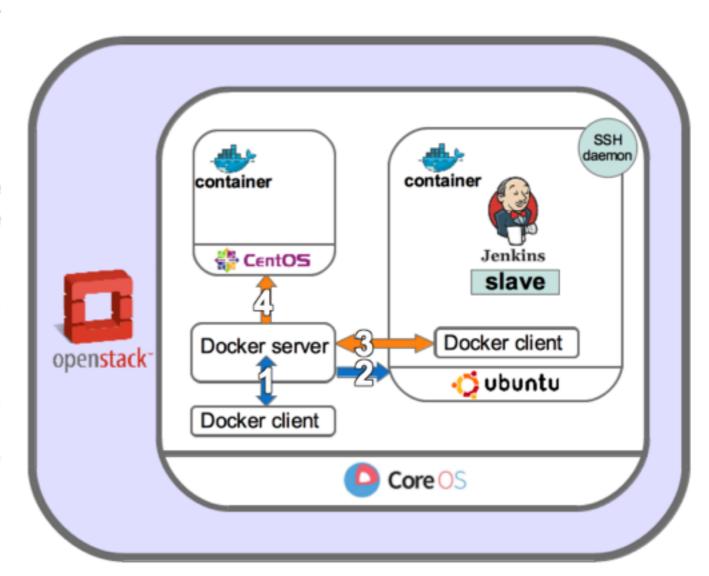
CoreOS VM provisioned by using OpenStack cloud facilities

In CoreOS everything runs in containers. There is not a dedicate package manager

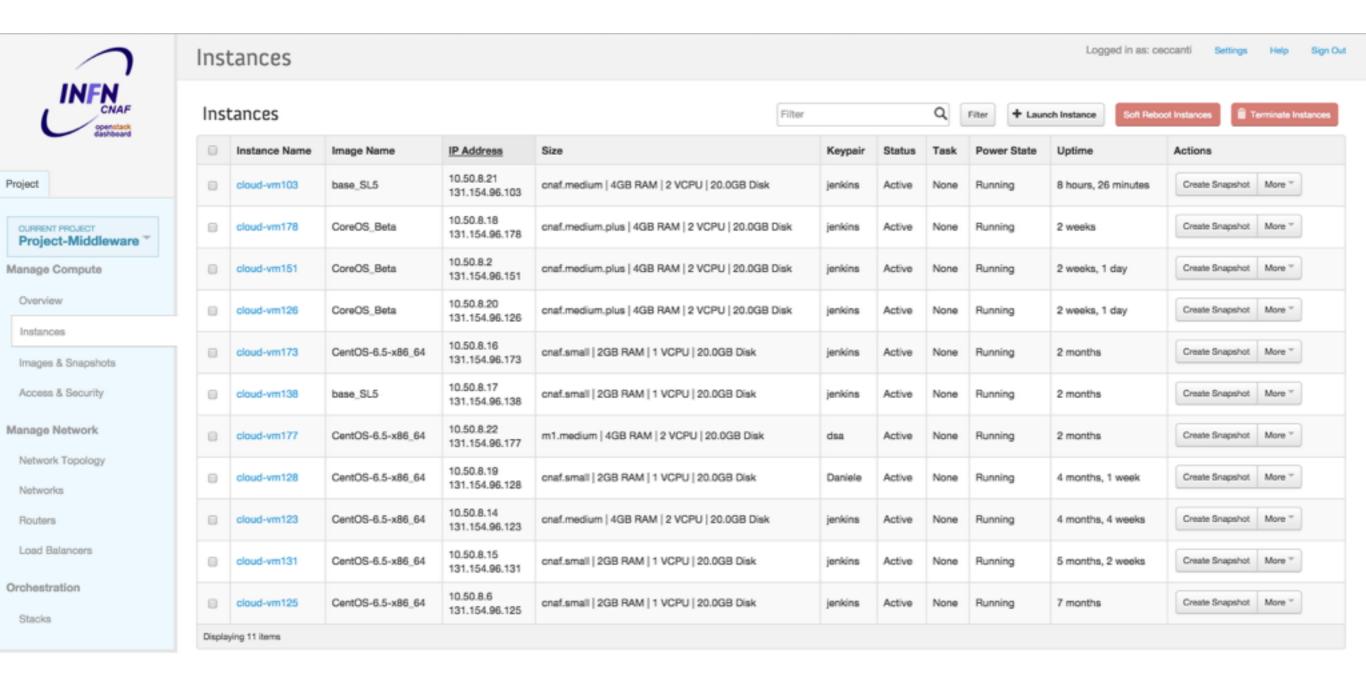
Docker client on CoreOS (the host) tells the server to download a prebuilt Jenkins slave image from our local docker registry

A container is created on the host where running the Jenkins slave:

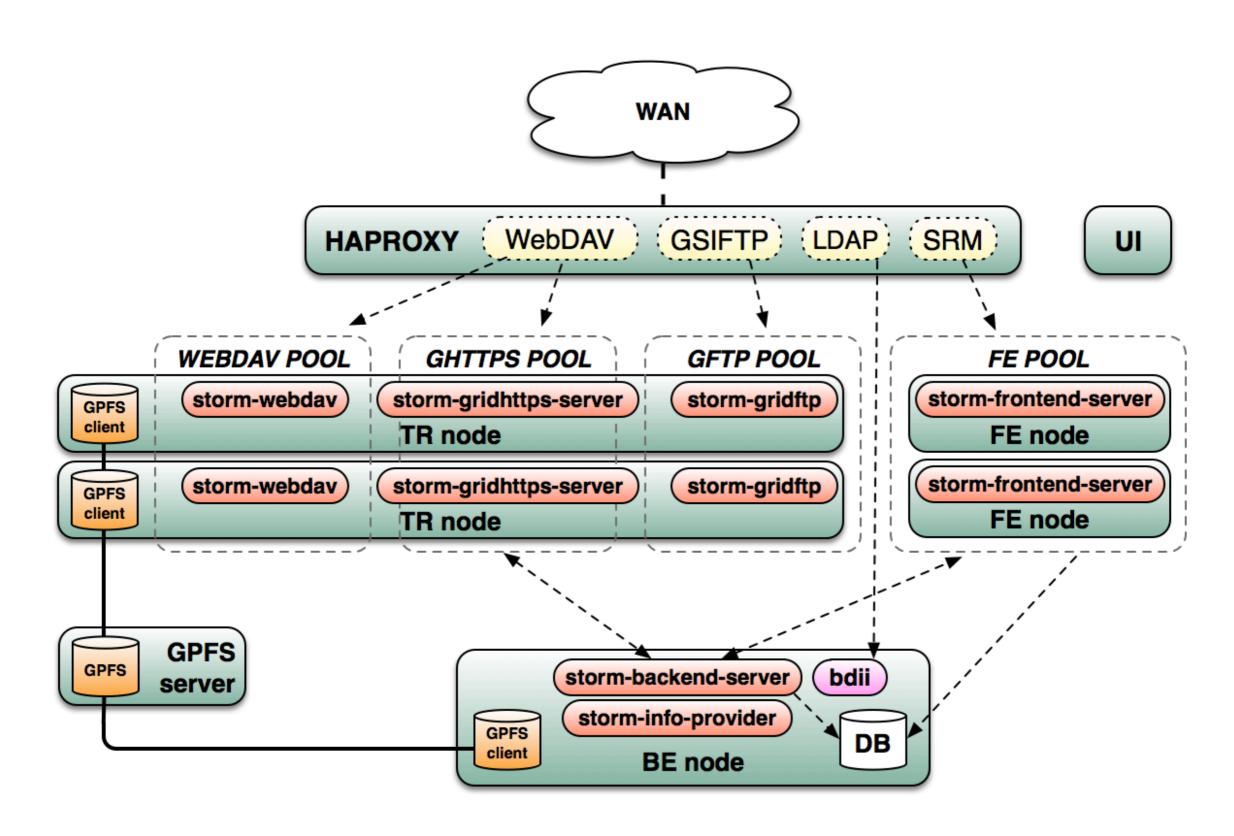
- The Jenkins slave provides a ssh daemon to accept incoming jobs from the Jenkins server
- Docker client on the slave talks to the docker server which runs on the host
- The "containerized" slave runs jobs in turn as containers directly on the host



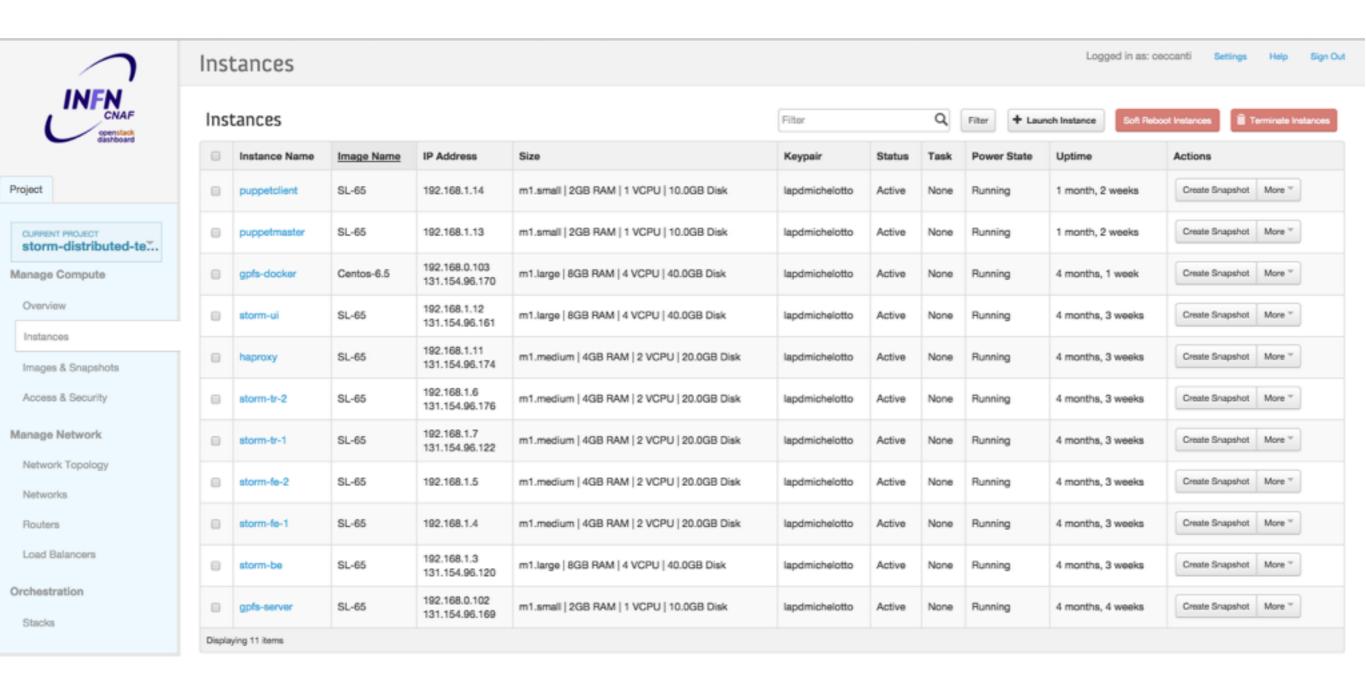
Openstack middleware project



StoRM distributed testbed for load testing



Openstack StoRM distributed testbed project



Q & A