



enovance
Multi-Cloud experts

OpenStack as a Software Factory

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Who Are We?

American Head Office

Montréal,
Canada

European Head Office

Paris, France

R&D office

San Francisco, USA

R&D office

Bangalore, India

Asian Head Office

Singapore



eNovance
LABS

Founded

2008

Team

90+

Growth

200%

Clients

200+



OpenStack makes most developers
dubious...

How can Openstack handle

- Contribution of 400 developers / month?
- Developers from 250 companies?
- 10+ integrated projects?

And yet release a new version

- every 6 months
- with 400 new features
- without major inconsistencies?

With a single release manager

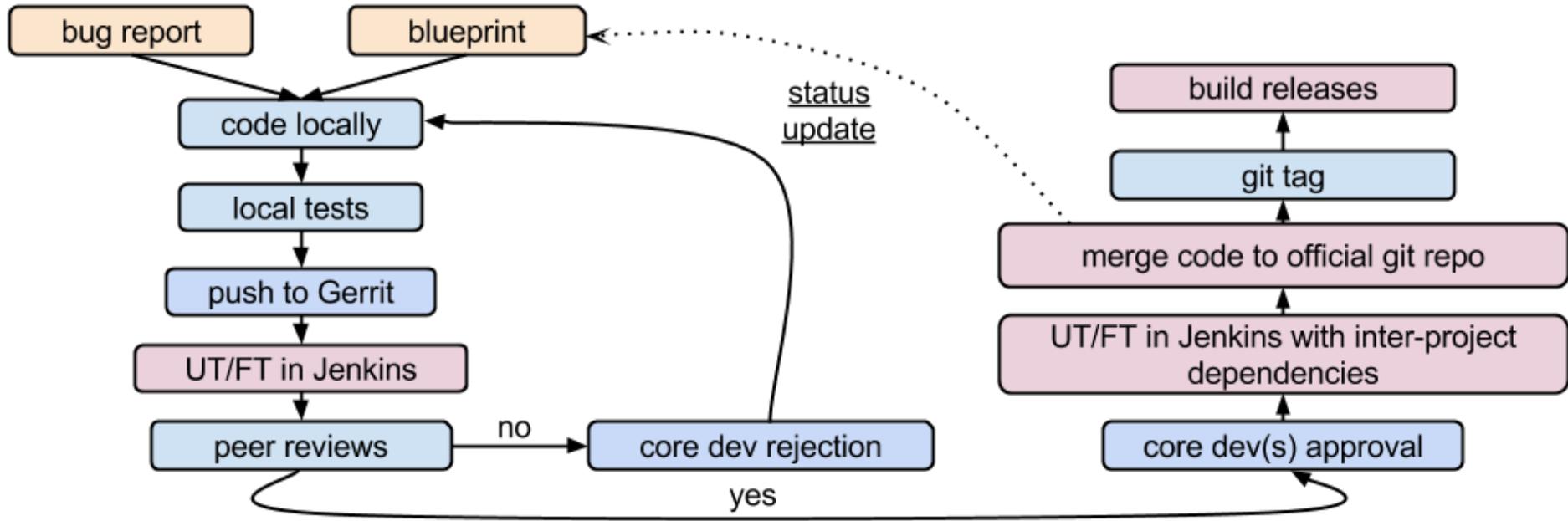


Who still has time to play ping pong???

The answer lays in the process...

...and test driven development

OpenStack's Contribution Process



Everything in Git

- Process description and code
- Infrastructure used to handle the process
- Code to deploy the infrastructure

100 times better than documentation of a manual process that is never up to date...

This is so good that we had to offer
to share it with others...

...and offer a solution to use it on
premise

Step by step

1. Deploy OpenStack as a private cloud
2. Deploy Software Factory
3. Connect Redmine, Jira, ...
4. Create a new project
5. Start coding!

Why is this so great?

Improve efficiency

- Nothing is local, everything is shared
 - Control access rights
 - Contributive model
 - No need for a full release team
 - Factorize hardware needs
- ⇒ Stop learning how to build and get coding

Reproducible environments

- Dynamically provision test environments when needed by Jenkins
- Allow developers to generate a test environment for debugging at will
- Store validated releases and customer specific environments (in Swift)

Parallelize work

- Validate code changes and multiple deployments environments at once
- Accommodate more devs working on the same projects
- Limit wait times

⇒ Industrializes development and...

Release more often!

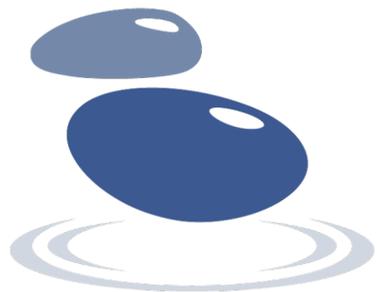
How do we deliver it?

- eDeploy + Puppet
 - Heat + Puppet
 - Scalable Git
 - Scalable Artefact repo
 - Manage project
 - Onsite consulting
- ⇒ Private cloud
 - ⇒ Deploy Software Factory
 - ⇒ Swift as backend
 - ⇒ Swift again
 - ⇒ Django based web UI
 - ⇒ Implement specific workflow
 - + Specific connectors
 - + Specific dvcs, languages...

Where are we with it?

- Dogfooding within eNovance
- First customer trial in progress

V1.0 GA planned in 3 months



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Questions?

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