

Speakers



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2

First, a precursor



Why are we here?

- We are all building up similar systems
- Similar configurations, minor tweaks
- •Want:
 - More time for applications and business
 - Less time doing SysOps



Keep Deploying!

- Let's keep that product going
- •Let's keep delivering!





What can we do?

- Write tests
- Use Continuous Integration
- Use version control, particularly git







Let's Test!









Downtime

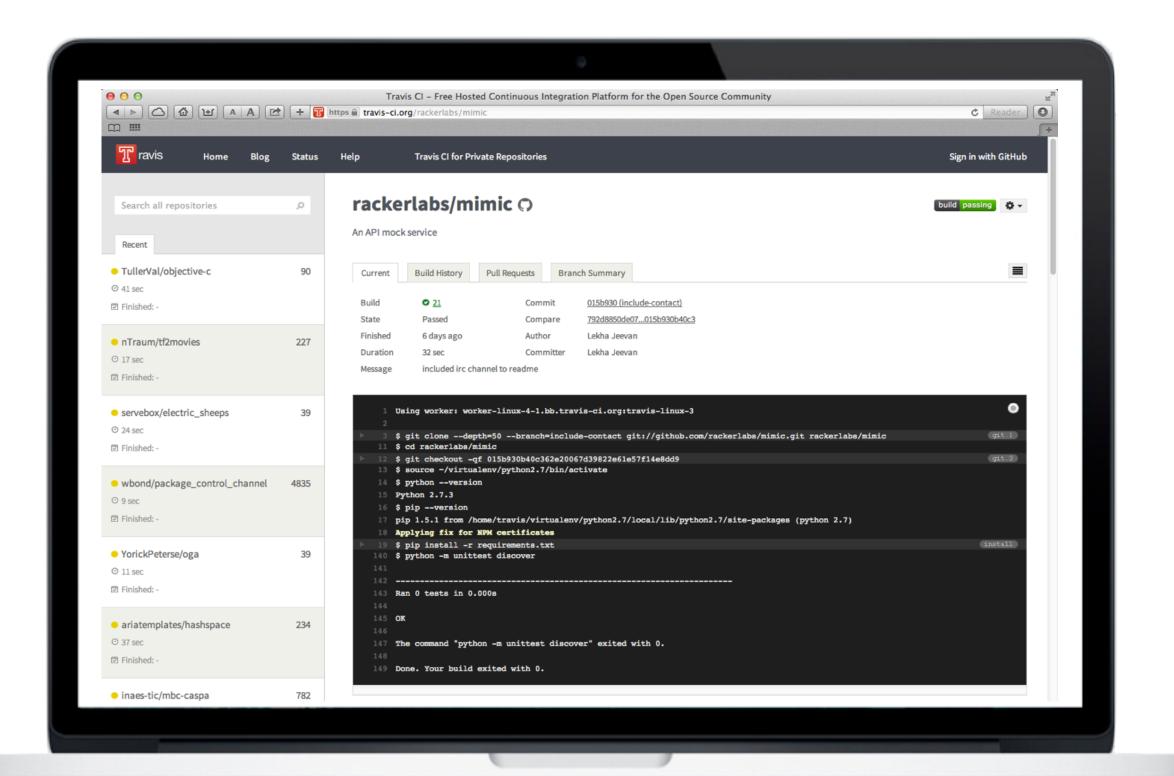


- •It's going to happen
- Assume failure
- Have a rollback strategy
 - -for your application

Testing with Open Source Tools





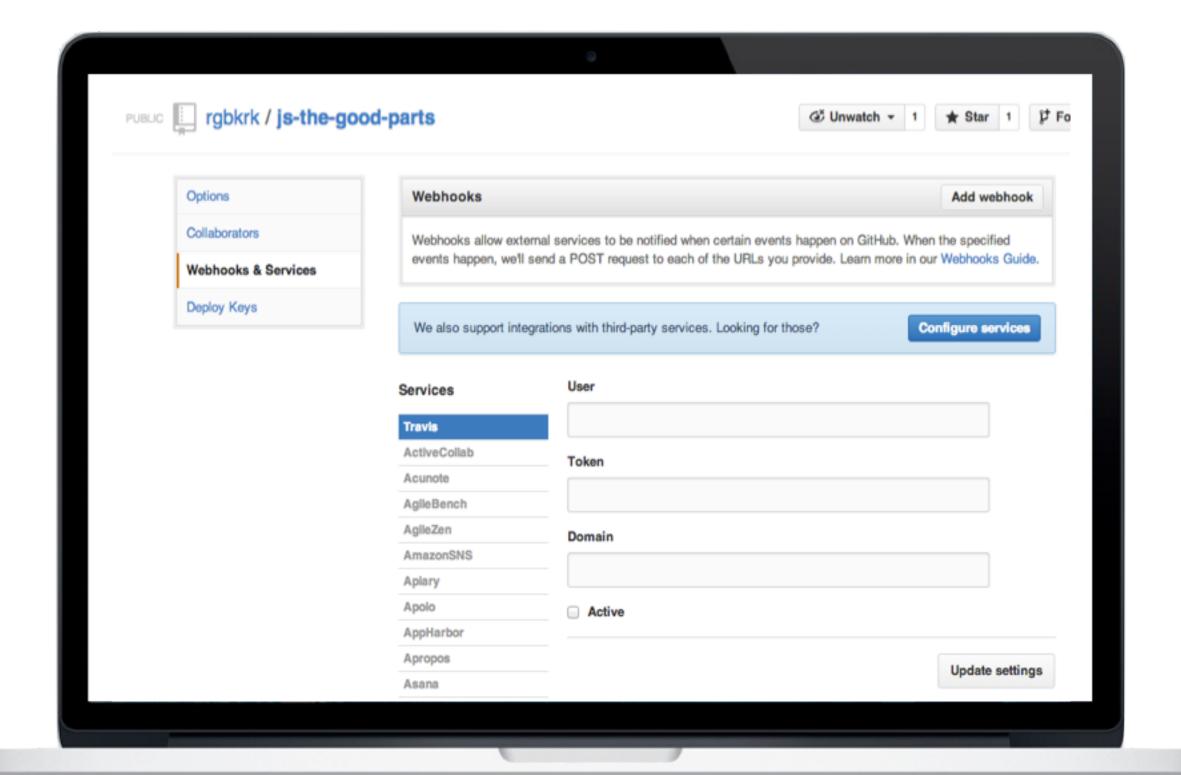




Minimal .travis.yml

```
language: python
python:
 - "2.6"
 - "2.7"
 - "3.2"
  - "3.3"
# install dependencies
install: "pip install ."
# run tests
script: nosetests
```

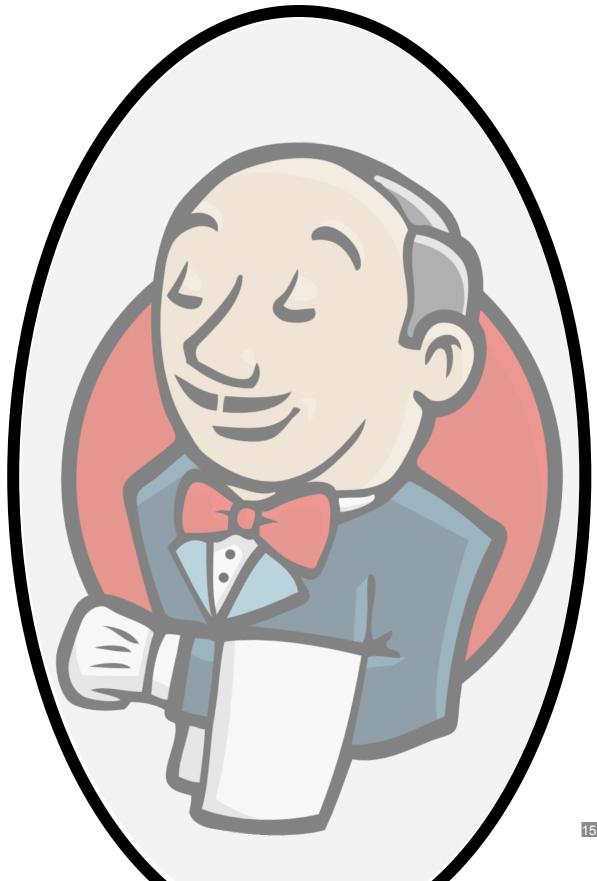






Need more build power?









Daniel Roy Greenfeld @pydanny · Mar 26

Recruiter: "Looking for a senior devopser with at least five years Salt Stack experience."

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2:59 PM - 26 Mar 2014 · Details



Alex Seubert @alex_seubert · Mar 26

@pydanny does it count if config management has aged me 5 years?

Expand











How the DevOps Automation Service tests our cookbooks



Practical examples with Chef



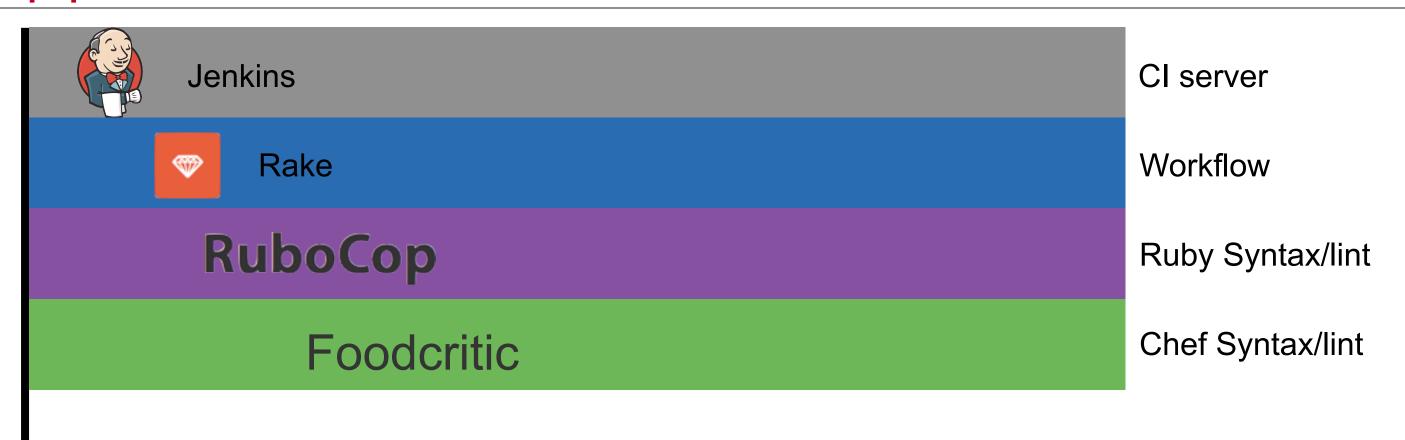
- Our pipeline for testing cookbooks
- Testing your chef powered infrastructure

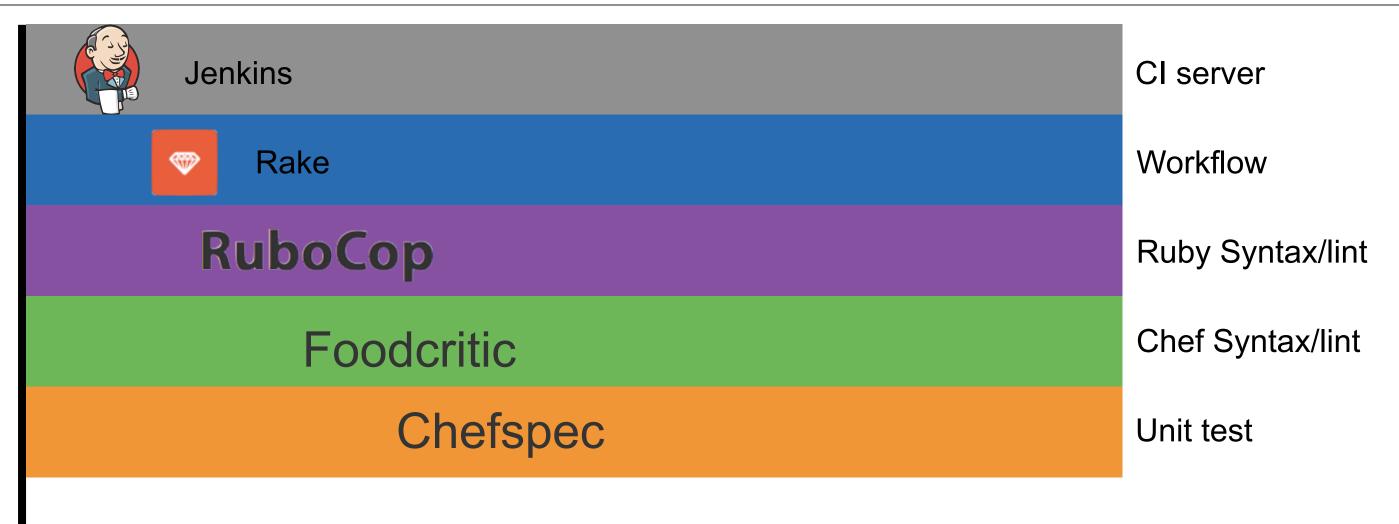




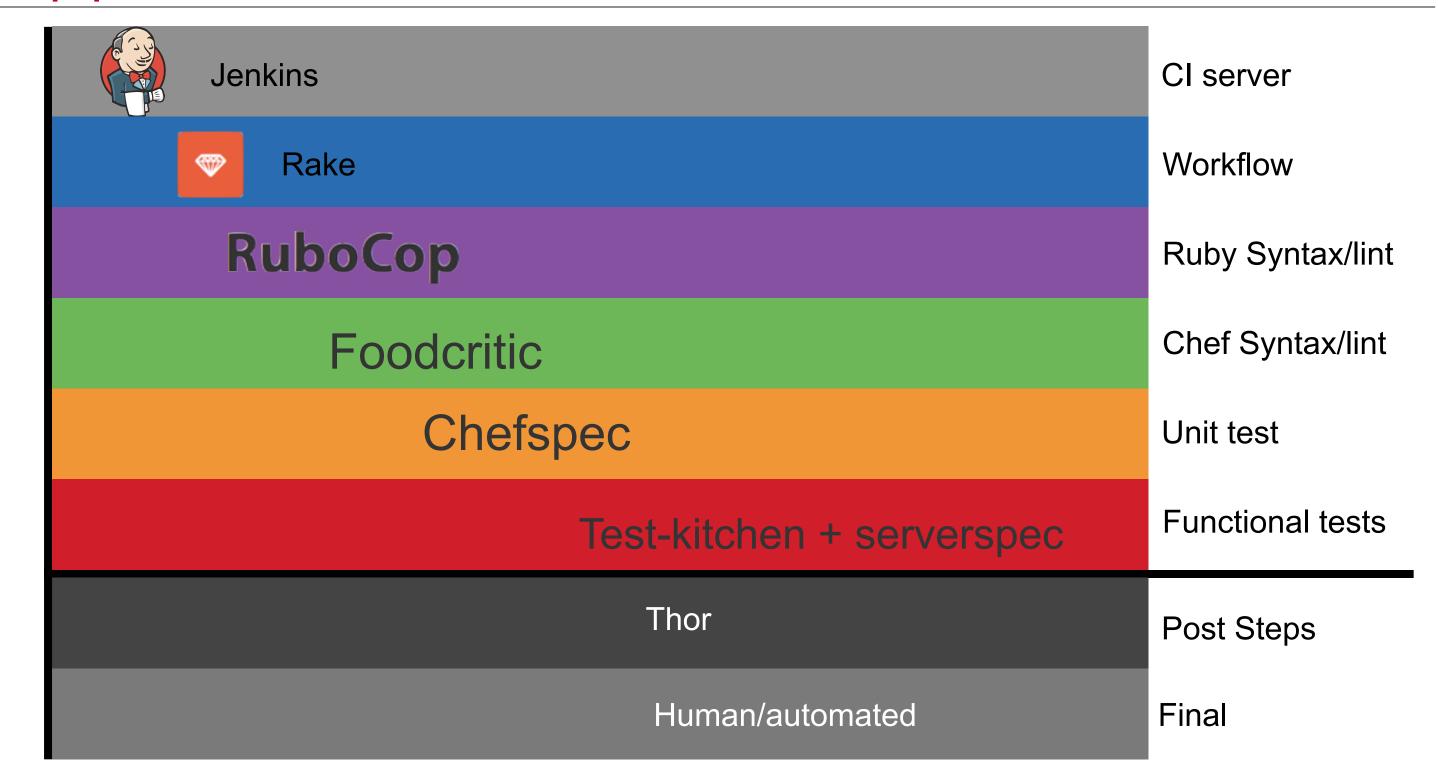












Two modes of application delivery

 Build an application cookbook that can deploy latest version of the application/artifact (chef specific)





Two modes of application delivery

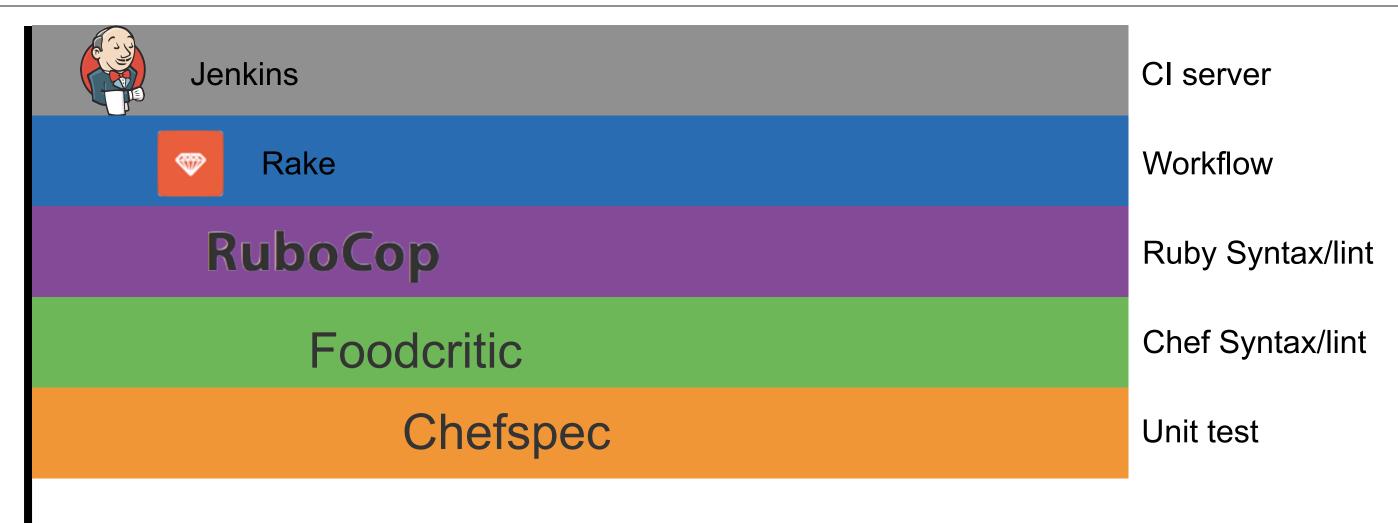
 Build an application cookbook that can deploy latest version of the application/artifact (chef specific)



- External workflow for application delivery
 - (Capistrano, fabric, etc).



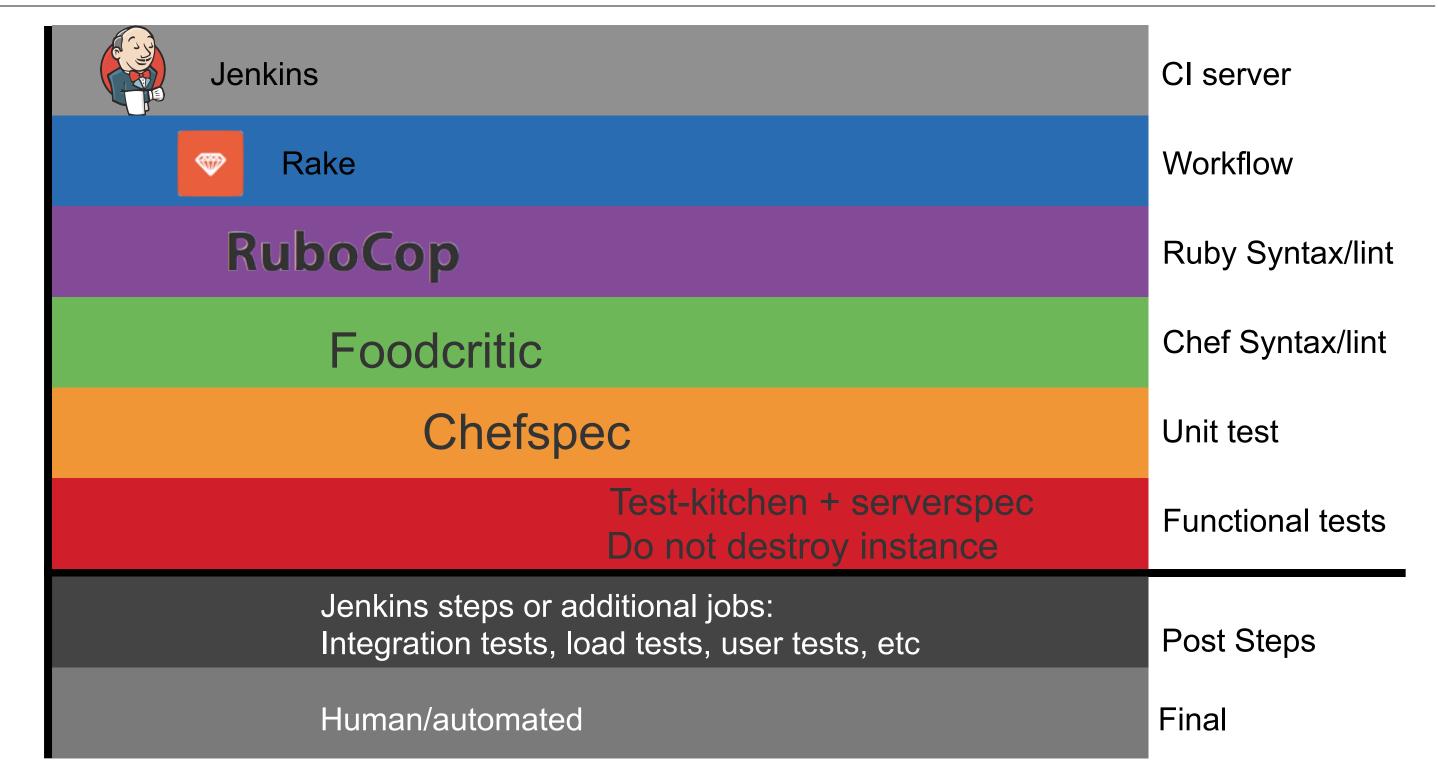
Application Cookbook Workflow



Application Cookbook Workflow



Application Cookbook Workflow







Jenkins

Test-kitchen + serverspec Do not destroy instance

Deployment workflow executed

CI server

Chef Workflow

Additional Jobs



Jenkins

Test-kitchen + serverspec
Do not destroy instance

Deployment workflow executed

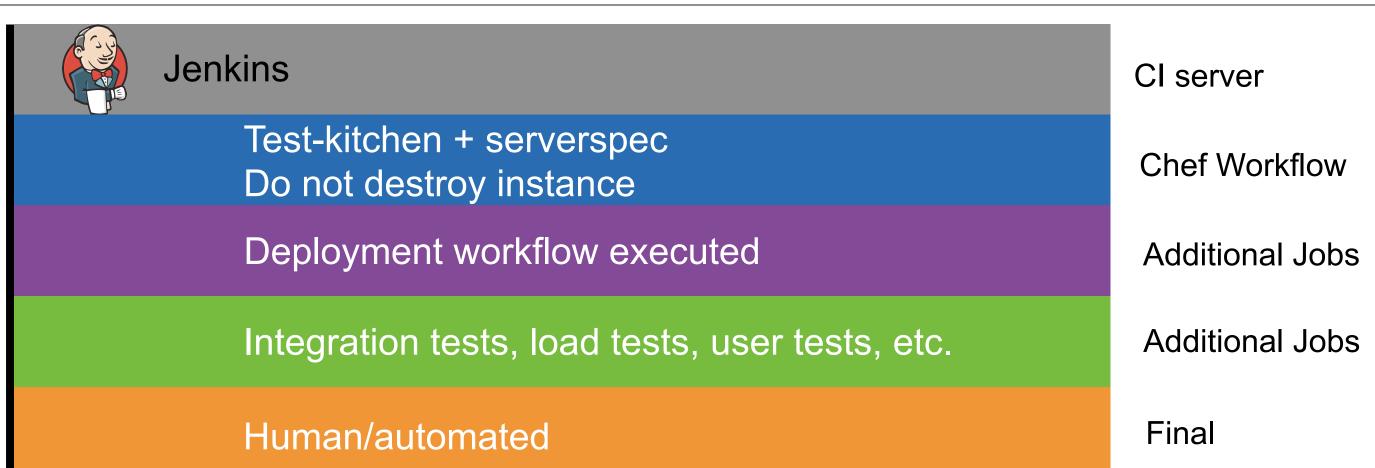
Integration tests, load tests, user tests, etc.

CI server

Chef Workflow

Additional Jobs

Additional Jobs



THANKYOU



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