

goo.gl/pMJ5ey

Kolla Ansible Workshop

Who Am I

- OpenStack ATC AUC
- Former OpenStack Foundation Intern
- Organizer at OpenStack Taiwan User Group
- Student at NCTU
- gene@openstack.org



Ansible

<https://www.ansible.com/>

ANSIBLE

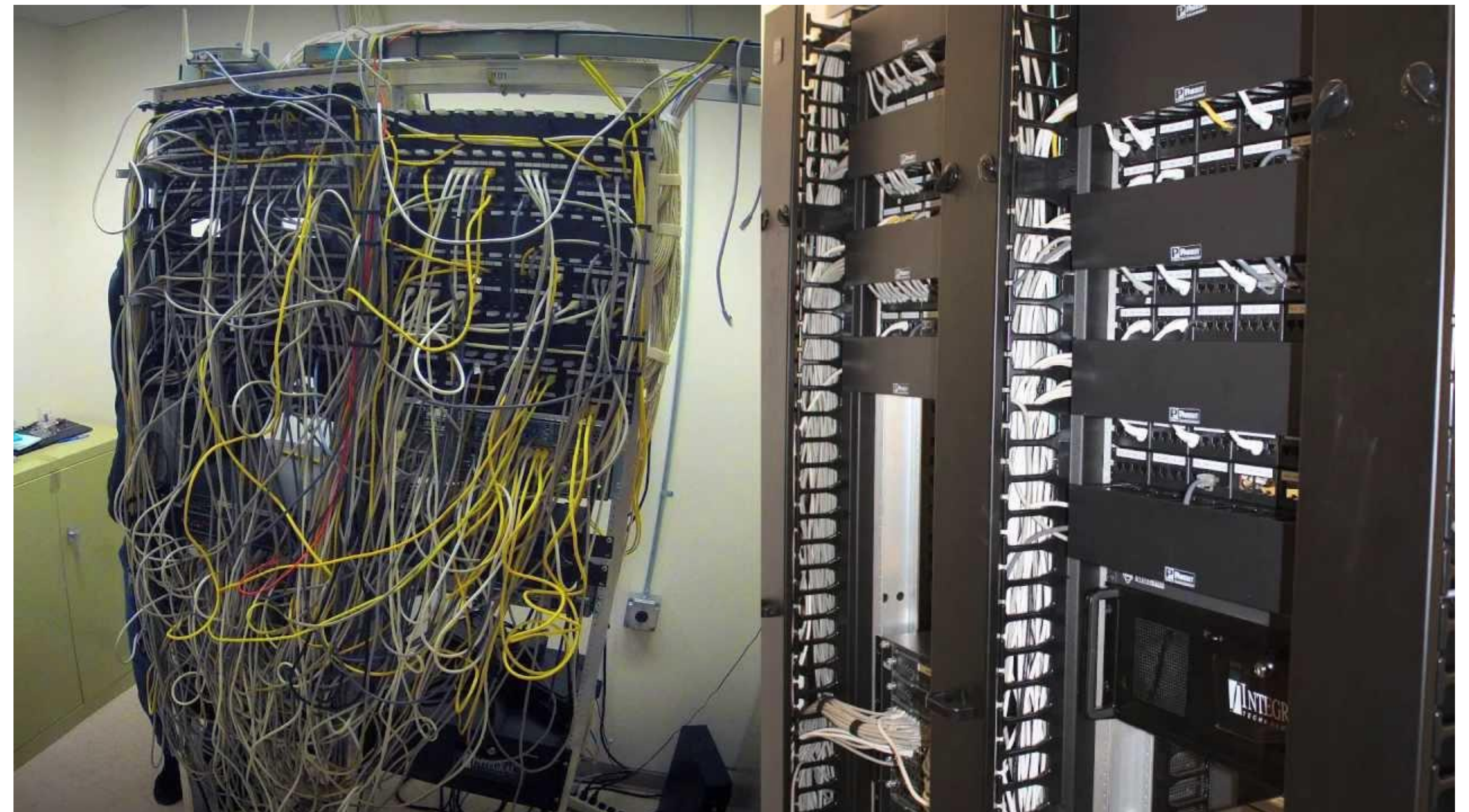
OPENSTACK ANSIBLE

KOLLA ANSIBLE

OPENSTACK MODULES

DEMO

IT is
complex
and
difficult



Where's the Love?

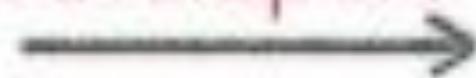
Over 16,000 community members!

Wait, how many operators?

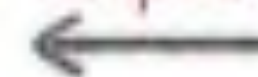
129 countries!

Who cares,
just +1 my code!

OpenStack Developers



OpenStack Operators



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DEMO

Ansible makes IT easier



A N S I B L E

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OPENSTACK MODULES

DEMO

- Provisioning
- Configuration Management
- Application Deployment
- Continuous Delivery
- Security and Compliance
- Orchestration

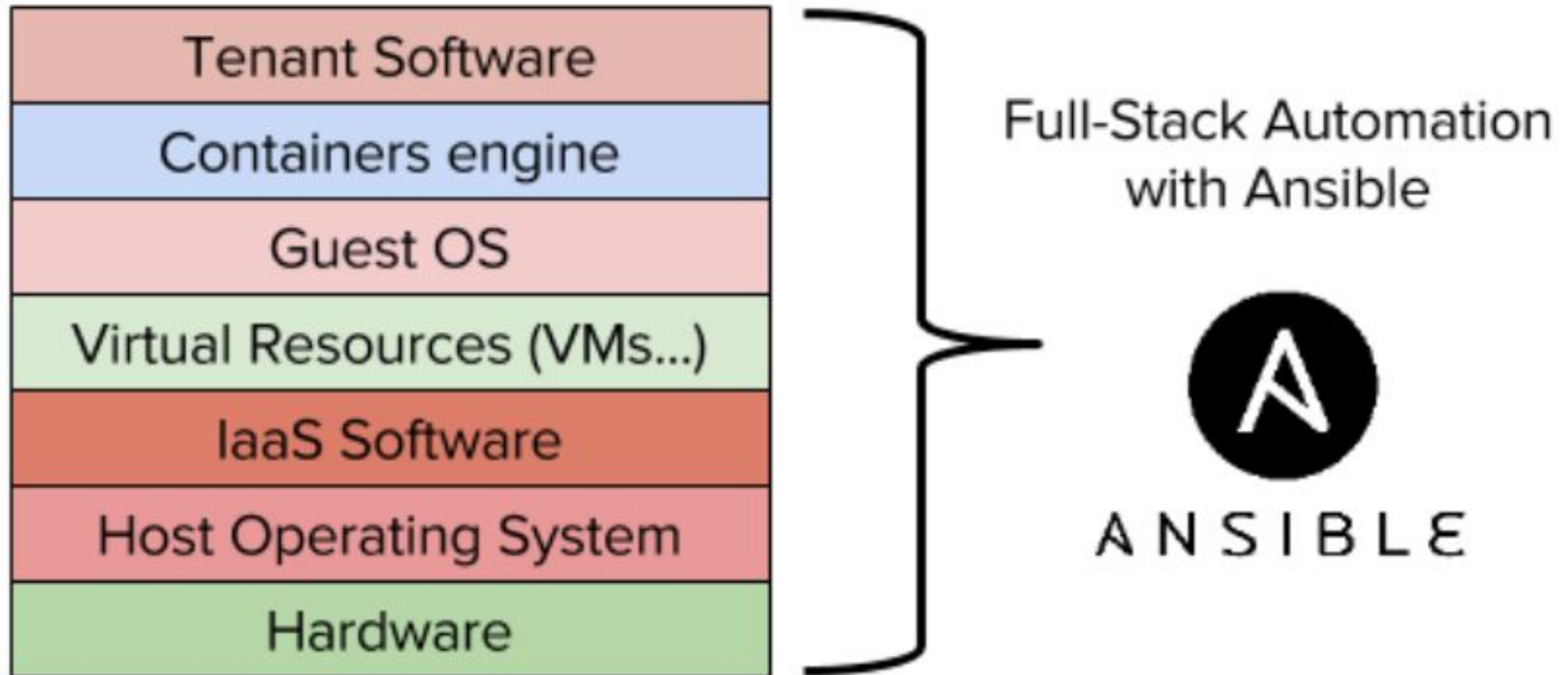
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OPENSTACK MODULES

DEMO

- Simple
- One task do one thing
- Agent-less
- Extensible
- Lots of modules

ANSIBLE

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OPENSTACK MODULES

DEMO

 [ansible](#) / [ansible](#) Watch ▾

1,693

★ Star

24,154

 Fork

8,242

 [saltstack](#) / [salt](#) Watch ▾

574

★ Star

7,843

 Fork

3,642

 [puppetlabs](#) / [puppet](#) Watch ▾

500

★ Star

4,533

 Fork

1,871

 [chef](#) / [chef](#) Watch ▾

423

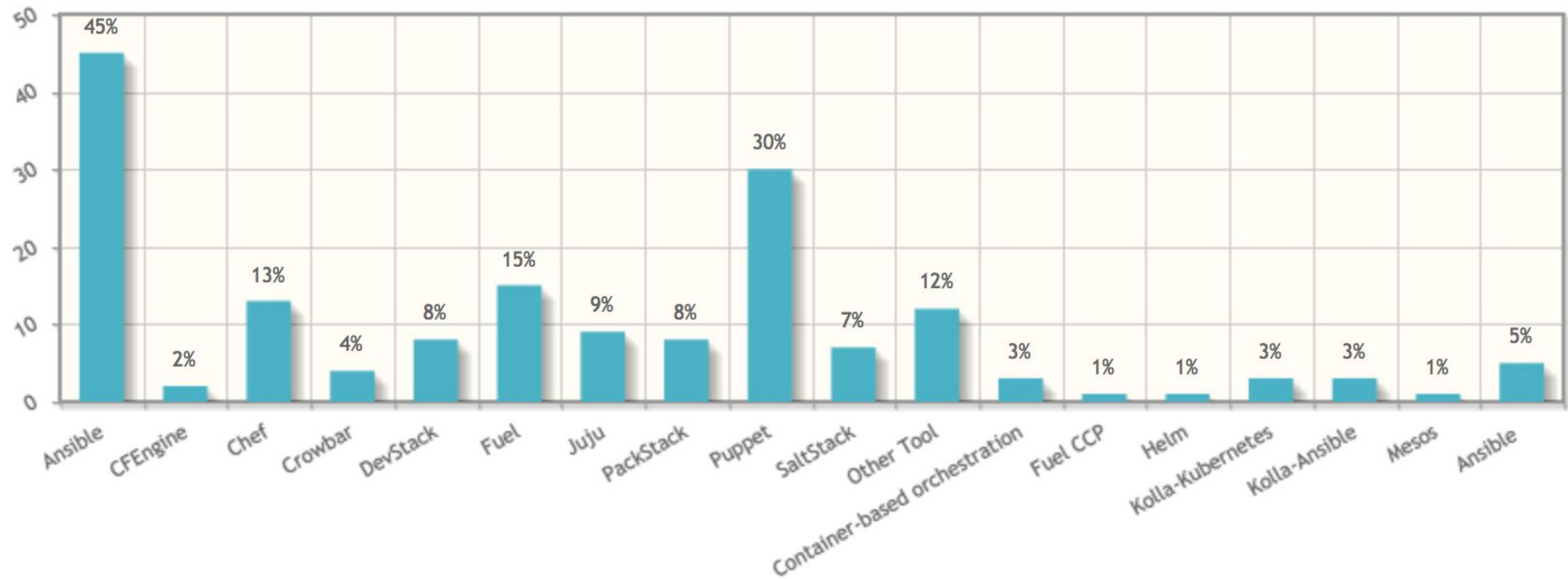
★ Star

4,911

 Fork

2,040

```
Gene@iGene-MacBook-Pro ~ ➤ curl -s https://api.github.com/repos/ansible/ansible https://api.github.com/repos/saltstack/salt https://api.github.com/repos/puppetlabs/puppet https://api.github.com/repos/chef/chef | grep "created_at"
  "created_at": "2012-03-06T14:58:02Z",
  "created_at": "2011-02-20T20:16:56Z",
  "created_at": "2010-09-14T19:26:44Z",
  "created_at": "2009-01-15T20:40:48Z",
Gene@iGene-MacBook-Pro ~ ➤
```



n=522

Kolla

<https://docs.openstack.org/kolla/latest/>



Kolla's mission is to provide
production-ready containers and
deployment tools for operating
OpenStack clouds.

Kolla-Ansible

<https://docs.openstack.org/kolla-ansible/latest/>

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- Production-ready container deployment tool
- Supports installation of most of the OpenStack Projects
- Very fast to deploy, highly scalable
- Ceph integration
- Immutable infrastructure

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Drawbacks:

- Need to manual install Operating System
- Network bonding
- No built-in tools to monitor OpenStack service containers status

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1. Install Operating System
2. Edit config files (globals.yml, inventory)
3. bootstrap-servers, prechecks, deploy

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<https://hackmd.io/s/BycDsf4OZ>

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Q&A