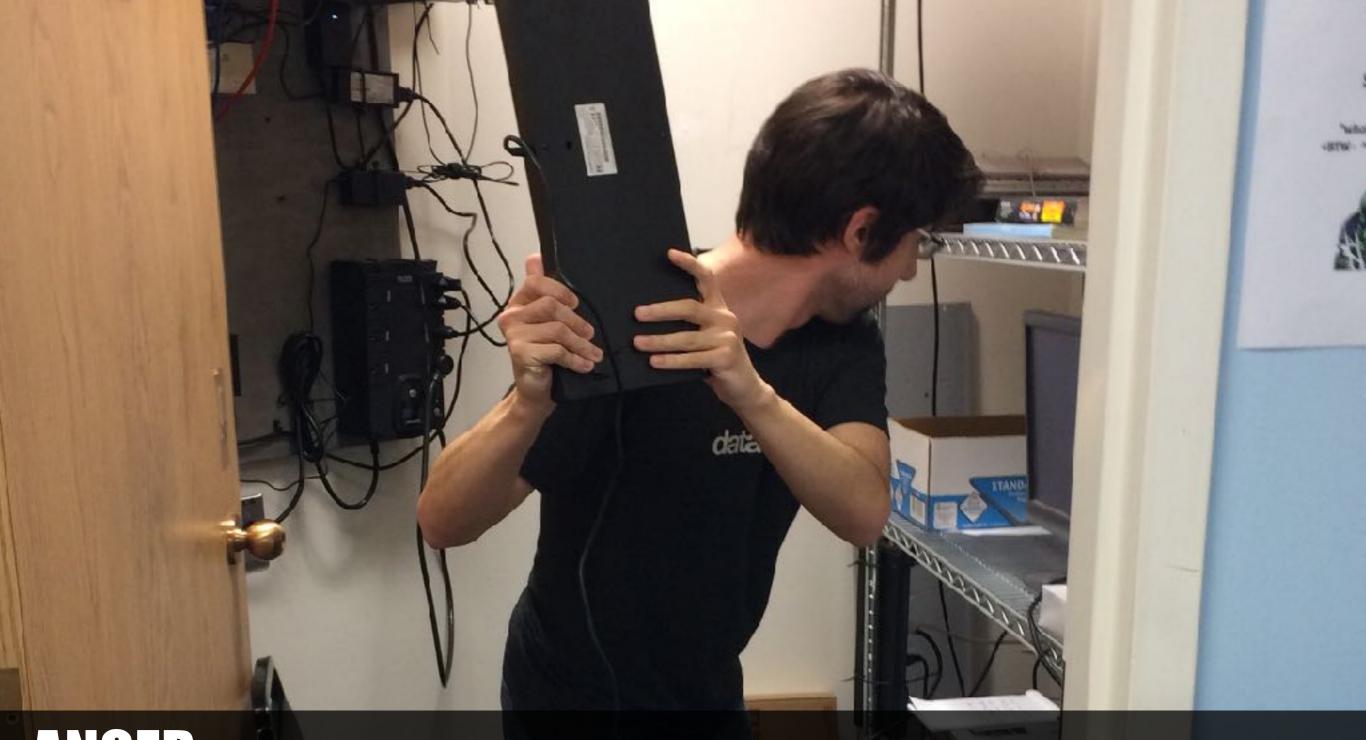
The Joys of Installing OpenStack

5 Stages



How Hard Can It Be?



ANGER

Why Is It This !@##ing Difficult?!?



C'mon, Just Boot Nova! Please??





Maybe Ocata Will Be Better?

A Better Way

3 Steps

- 1. Install Operating System
- 2. Install Software
- 3. Configure Components

Q: How Much Can We Automate?



- 1. Install Operating System
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buffalab



tFTP Server boot HTTP Server install REST AP control

How're Things?

```
"flavor": "none",
"nodes": {
  "openstack1": "new",
  "openstack2": "new"
```

Let's Install Newton

```
$ curl -X POST -d "newton" \
    http://10.200.128.3/api/install
```

Let's Install Newton

```
$ curl -X POST -d "newton" \
    http://10.200.128.3/api/install
```

WHAT JUST HAPPENED?

```
# cat /var/log/buffalab.log
BuffaLab coming online...
reading configuration from buffalab.yml...
reconfiguring lab to install 'newton'
```

- openstack1 reset 10.200.128.11 via idrac/racadm
- openstack2 reset 10.200.128.12 via idrac/racadm

Is It Done Yet?

```
curl http://10.200.128.3/api/status jq -r .
 "flavor": "newton",
 "nodes": {
   "openstack1": "new",
   "openstack2": "ok"
```

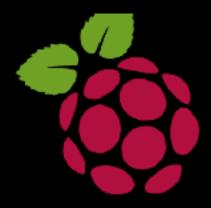
interlude

How About Now?

```
curl http://10.200.128.3/api/status jq -r .
 "flavor": "newton",
 "nodes": {
   "openstack1": "ok",
   "openstack2": "ok"
```

Who Is 10.200.128.3?

— Ayn Rand, probably





the future

jhunt/buffalab

https://github.com/jhunt/buffalab

