Chef Cookbook Workflow

Testing your infrastructure code

Nathen Harvey - @nathenharvey

Instructor

- Nathen Harvey
- Community Director, Chef
- Co-host of the Food Fight Show
- Co-organizer of DevOpsDC

DevOps is a Two-Way Street

- It's great when developers care about
- **Uptime!**
- **Scaling!**
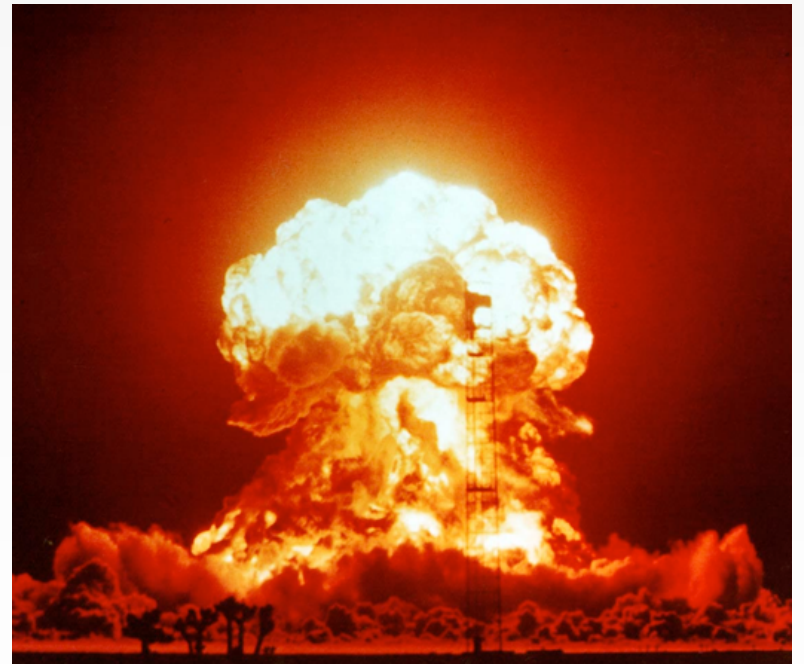- **Deployment!**
- Put them on call! etc. etc. etc.

WORKED FINE IN DEV

OPS PROBLEM NOW

CHEF

DevOps is a Two-Way Street

- **Operations** also has as much or more to learn from developers as well

CHEF

Software Development Workflow

- Write some code
- <ad-hoc verification here>
- Go to pre-production
- <ad-hoc verification here>
- Go to production
- **Production failure**

CHEF

Software Development Workflow

- Write some code
- Write and run some **unit tests**
- Go to pre-production
- Run some **integration/ acceptance tests**
- Go to production
- **Lowered chance of production failure**

CHEF

Old Chef Cookbook Workflow

- Write some cookbook code
- <ad-hoc verification here>
- Go to pre-production
- <ad-hoc verification here
- Go to production
- **Whoops, broke production**

New Chef Cookbook Workflow

- Write some cookbook code
- Check for **code correctness**
- Write and run some **unit tests**
- Go to pre-production
- Run some **integration tests**
- Go to production

CHEF

Chef Testing

- Did chef-client complete successfully?
- Did the recipe put the node in the desired state?
- Are the resources properly defined?
- Does the code following our style guide?

Tools of the Trade

- **Code correctness**: Foodcritic, Rubocop
- **Unit tests**: ChefSpec
- **Integration tests**: Test Kitchen, ServerSpec, BATS

CHEF

Chef Community Summit – Seattle

Seattle Sheraton - October 14th & 15th

Why your participation matters

- Influence the path of the Chef roadmap
- Contribute to the formation of best practices and the avenues to best share them
- Share your experiences transforming your business
- Demonstrate your DevOps Kung Fu

Network with awesome engineers in the Community

- Engage with a community of people actively using Chef to automate their workflow
- Discuss "what keeps you up at night" with a passionate engaged audience
- Meet with CHEF engineers IRL

**Use the code MEETUP and save 20%

CHEF COMMUNITYSUMMIT2015

What Questions Can I Answer For You?

Thank you!

@nathenharvey

CHEF

CHEF™

CODE CAN