

Adapt or Die

how DevOps can (and should!) save the world

Jody Wolfborn, Secret Agent



CHEF™

My (least) Favorite Slide!

- Started my eng. career at OMSI at age 8
- Moved to test eng. officially at age 10 w/ Legend of Zelda
- Now, manager of Sales Eng. at Chef Software
- Impostor, Secret Agent, Linguist
- Punctuation enthusiast!



What's in a name?

DevOps

- Cultural *and* professional **ideology**
- Focused on how we **build** (Dev) and how we **operate** (Ops)
- Pull v. Push - enablement, Enablement, **ENABLEMENT!**
- Goals: Increase Efficiency, Decrease Risk
- Continuous **learning**
- **Diversity** of skills, knowledge, and experience

What's in a name?

Diversity

The (boring) definitions:

A: the condition of having or being **composed of differing elements**

B: the **inclusion** of individuals representing **more than one** national origin, color, religion, socioeconomic stratum, sexual orientation, **etc.**

The DevOps definitions:

A: an array of **skills, experiences, backgrounds**, and **knowledge**

B: a rainbow **spectrum** of ideas, tools, and skillsets

DevOps principles center around four main ideas:

Scaleability

Flexibility

Responsibility

Portability

So...what?

Hole in the Ozone Layer?



I WANT THIS MEME



ARRESTED



Ceci n'est pas un président.

TRUBLE SPREADS ACROSS FRANCE





Symptoms of systems gone wrong:

- Uncontrollable (stunted or pandemic) growth
- Brittle rigidity
- Blame-shifting
- Heavy, static and esoteric

Not to scale?

SCALE-ABILITY

“Reinforce or apply each of the core pillars of DevOps at the various inflection points of a system’s lifecycle”

- **Contribute** your knowledge, ideas, experiences **into the system**
- **Build** trusting, empathetic **relationships**
- Use the tools that **accelerate collaboration and affinity**

Get sh*t done!

FLEX-ABILITY

“Pull from a wealth of differing experiences, knowledge- and skills-sets, tools, relationships, and (yes) opinions”

- **Integrate opposing viewpoints** into the system's approval process
- **Connect the abilities** of the system **to the problems** it's trying to solve
- **Continuously iterate on** and **reevaluate** priorities, assumptions, and practices

Whodunnit?

RESPONSE-ABILITY

“Failure is inevitable. Identify points of failure in the system and bring everyone together to resolve them collectively. Period.”

- ~~Assume positive intent~~ Don't assume anything. **ASK!**
- Avoid finger-pointing: decide on **appropriate action** to resolve issues
- **Accept** responsibility and **seek** feedback
- **Enable** the system to **implement** the changes it needs

Are you in the know?

PORT-ABILITY

“Spread knowledge and experience easily to all parts of your system, without judgement.”

- Shadowing - View **the full spectrum** of the system
- Pairing - Two people, one system, **tons of rainbows**
- Mentoring - **Distribute expertise** across the system
- Documentation and Enablement share - Make knowledge **stupid-easy** to obtain

**How do I start this in
a world that doesn't
understand DevOps?**