Test driven development for sysadmins

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Code

- version control
- code review
- automated testing
- CI/CD
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Infrastructure as a code

- version control
- code review
- automated testing
- CI/CD  if you are brave enough
Different approaches ...

- “Are you testing your role?”
- “Yes, of course.”
- “How?”
- “I run my code on the target machine, and then I hope it doesn’t fail.”
test driven development
Ansible is not Java

- “Are you aware of the concept of Test-Driven Development?”
- “Yeah, I used to work that way all the time when I was doing dev with the team.”
- “Why don’t you test your code that way instead?”
- “Because it is not Java, it’s Ansible.”
- “So?”
Infrastructure tests frameworks

- Bats
- Goss
- Serverspec
- InSpec
- TestInfra
“I don’t have any infrastructure for running tests”
“I don’t have any infrastructure for running tests”
STOP!

DEMO TIME!