Test driven development for sysadmins

2018-10-07 Michal Halenka

Code

- version control
- code review
- automated testing
- CI/CD

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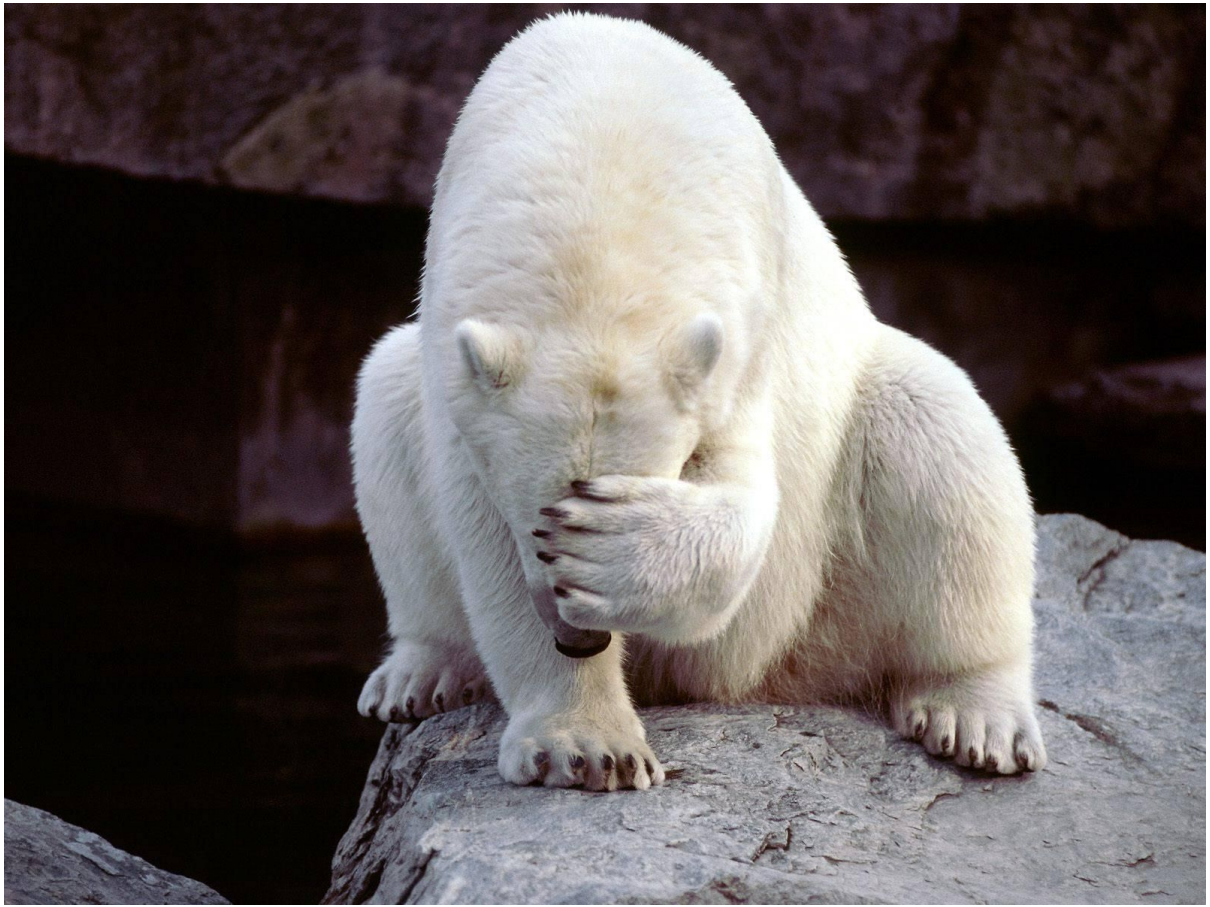
Infrastructure as a code

- version control
- code review
- automated testing
- CI/CD *if you are brave enough*

CFEngine
puppet labs
PalletOps
ANSIBLE
CHEF™
SALTSTACK

Different approaches ...

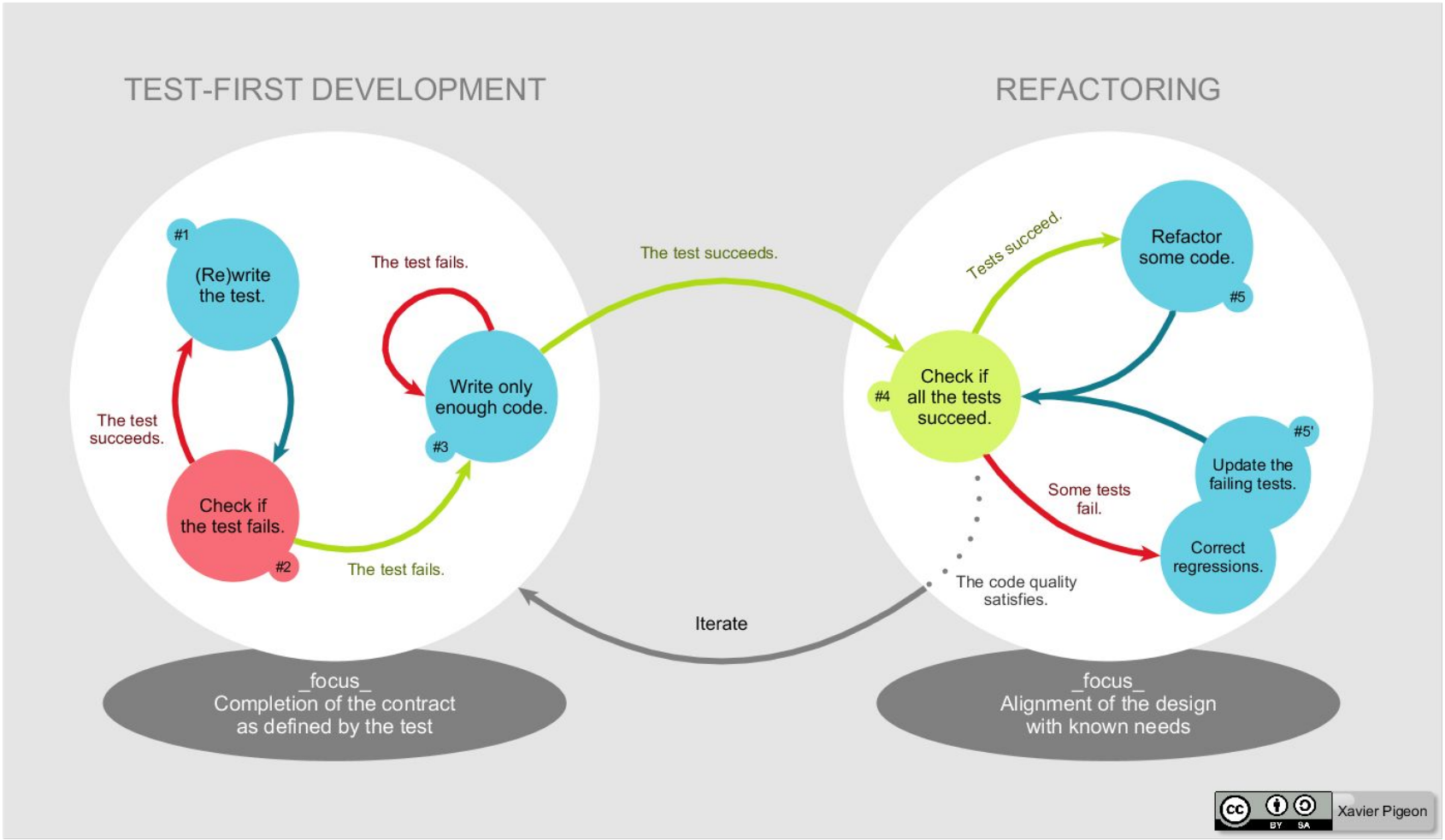
- “Are you testing your role?”
- “Yes, of course.”
- “How?”
- “I run my code on the target machine, and then I hope it doesn’t fail.”



test driven development

Vše Obrázky Videa Knihy Zprávy Více Nastavení Nástroje

Přibližný počet výsledků: 253 000 000 (0,56 s)



Xavier Pigeon

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”

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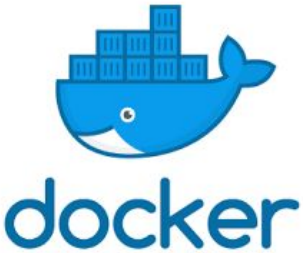


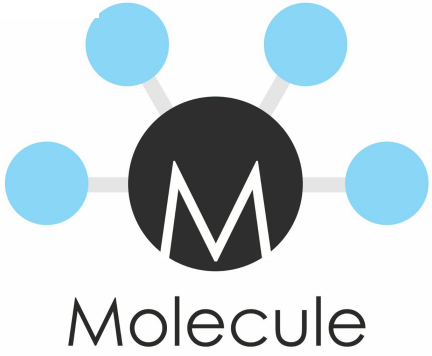
testinfra

LXD

YAML
YAML
VALIDATOR

testinfra

LXD


Molecule

YAML
YAML
VALIDATOR

STOP!
DEMO TIME!
memegenerator.net