

# Continuously deliver your puppet code with jenkins, r10k and git

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### whoami

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### Agenda

- A short story about configuration management
- What is continous delivery
- How do we develop our Puppet code
- And what about deploying the code?
- Jenkins, GIT and r10k!
- Where do we go from here

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- The problem: count(teammembers) == count(standards)
- So configuration management is the solution to all our problems

# The solution to all our problems

### The solution to all our problems

▶ Broke our systems

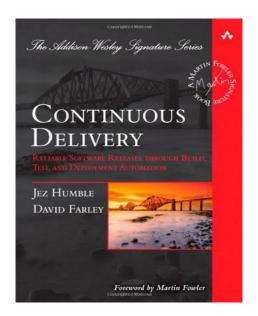
# WHY????

### Problems with our old CM system

- Systems installed without CM are hard to bring under CM control
- Every system is a special case
- ▶ In the beginning every problem was a CM problem
- CFEngine 2 based, no unit tests
- ▶ Deployment in stages, but we always had to cross our fingers
- Deployment via manual tagging and checkout, so mistakes happened
- We fixed the same mistakes more than once

# So whats our solution?

or: why should i care?



### Continuous delivery

▶ is a pattern for getting software from development to release

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## Continuous delivery

- ▶ is a pattern for getting software from development to release
- this pattern is called the deployment pipeline

### The deployment pipeline

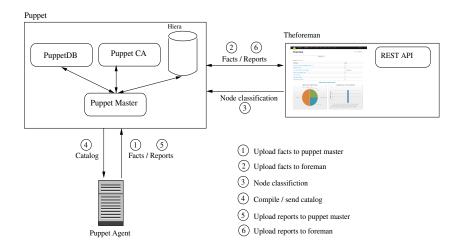


### The deployment pipeline



but the automated acceptance tests are currently missing in our setup, we will fix this with beaker (thanks puppetlabs)

### Puppet run



#### Was ist Foreman?

