Spinnaker
Land of a 1000 Builds

Greg Turnquist
@gregturn
github.com/gregturn
Greg Turnquist
Test-bitten script junky
Clarksville, TN USA

Greg is a test-bitten script junky. He is a member of the Spring team at Pivotal. He works on Spring Data REST, Spring Boot and other Spring projects, while also working as an editor-at-large of Spring’s Getting Started guides. He launched the Nashville JUG in 2010. He also created Spring Python and wrote “Spring Python 1.1” and “Python Testing Cookbook”. He is currently writing “Learning Spring Boot”.

GregLTurnquist.com/list
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10 \text{ services} \times 10 \text{x/day} = 9000x \text{ (No Big Deal)}

20 \text{ services} \times 50 \text{x/day} = 90,000x \text{ (No Big Deal)}
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“Our 23-page process needs to be fixed!”
Spinnaker

- Pipeline-based engine
- Deploy to multiple clouds *in the same pipeline*
- Multi-stage
  - Triggered by Jenkins, CRON, other pipelines
  - Bake/Find Images, Deploy, Manual Judgments, more
- Zero downtime upgrades
- Email, SMS, Slack, HipChat notifications
Lingua franca

- Applications = source code with commits
- Clusters = apps deployed somewhere, ready for traffic
- Server Groups = specific version of a cluster
- Load Balancers = route cluster traffic to server groups
- Instances = physically running processes
Spinnaker Demo
Links

• http://spinnaker.io

• https://github.com/spinnaker/

• http://twitter.com/spinnakerio

• Netflix OSS Meetup - Season 4 Ep. 1