Cloud Foundry: The Rails Perspective
Derek Collison
CTO & Chief Architect, Application Platform
dcollison@vmware.com
@derekcollison
What is CLOUD FOUNDRY ??
The Open Platform as a Service
A New Open Source Community

www.cloudfoundry.org

Apache License v2
Signup: www.cloudfoundry.com
Code: www.cloudfoundry.org


All attendees will get an account today
Architecture
CloudController

- Handles all state transitions within the system
  - users, apps, services, bindings
- REST
- JSON
- Rails3
- Ruby 1.9.2
- Fibers/Asynch
Choice of Frameworks

Java
spring
node.js

Cloud Foundry
Features & Limitations

- Rails3
- Appserver is Thin, selectable in the future
- Runtime support
  - MRI 1.8.7
  - YARV 1.9.2
- Bundler/Gemfiles
  - Currently limited to Rubygems.org sources
- MySQL, Redis, and MongoDB Services
  - Limited Data import and export today
VMC CLI

- Controls all aspects of apps and services
- `[sudo] gem install vmc`
- HTTP and JSON
- `git://github.com/cloudfoundry/vmc.git`
- `vmc help`
- `vmc help options`
Debugging your app

- vmc crashlogs
- vmc files
  - logs/staging.log
  - logs/migration.log
  - logs/error.log
  - logs/stderr.log
  - logs/stdout.log
  - app/log/production.log
Demo App

- vmc push
- vmc update
- Errors and vmc crashlogs and vmc files
- Rolling Production Service
- Scaling
Demo Application
Questions?
Cloud Foundry

Thanks!