

Deployment with fpm

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Outline

Introduction

FPM?

Problems & Pitfalls

Cool things

END

Hey I am,

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Motivation

- ▶ What is this all about?

Deploy most recent Ruby and Rails applications to a:

- ▶ exotic/tropic Debian system
- ▶ no Internet access
- ▶ sometimes isolated
- ▶ want a flexible but safe way to deploy

Options

- ▶ What is on the “market”?
 - ▶ Chef
 - ▶ Puppet
 - ▶ Capistrano
 - ▶ Tarballs
 - ▶ OS package management system

Effing Package Management

Package maintainers work hard and take a lot of s!@#. You can't please everyone. So, if you're a maintainer: Thanks for maintaining packages!



- ▶ <https://github.com/jordansissel/fpm>
- ▶ Jordan Sissel and contributors - MIT-style license

```
gem install fpm
fpm -s TYPE -t TYPE ...
```

```
fpm -s gem -t deb json
```

FPM! How to use it?

```
git checkout $(VERSION) &&
  bundle install --path vendor --deployment
rake assets:precompile

fpm -s dir -t deb -n $(NAME) -v $(VERSION) \
  -C $(SOURCE_DIR) \
  -p $(NAME)-VERSION_ARCH.deb \
  -d "memcached" \
  --description $(DESC) \
  --deb-user deployer --deb-group deployer \
  --after-install "after.sh" \
  --before-remove "before.sh" \
  .
```

Problems & Pitfalls

- ▶ users, groups and file permissions (users must exist on the build system)
- ▶ what goes where for whom and why?
- ▶ dependencies (be careful)
- ▶ config files, replacing other packages
- ▶ not a fully qualified Debian package(?)
- ▶ know how to get it **off** the system

Awesomeness

- ▶ nice use of Git and Github
- ▶ integrates into your Jenkins/CI environment
use build variables, build pkg when all tests are green
- ▶ no extra tools on the box
- ▶ power of shell & “simple” Makefiles
- ▶ signed Debian repository for maintenance
- ▶ Build with travis?

the end

Thank you.
Questions?

Google for 'memcached', download the source, unpack,
./configure, make, make install, fpm, deploy.