

Who

am I?!

# Guy Naor - CTO Morph Labs

- Working professionally with computers since 1981
- Started with RoR in 2005
- Experience in deployment and system administration
- Submitted Patches to Rails and Capistrano
- Mentoring

# Morph Labs

## Deploy Deliver Manage - Your App

- Enterprise quality deployment system
- > 35 team members focused on delivering a high level managed environment
- Runs on AWS with ability to run on other grids
- Makes deployment as easy as a single cap command
- [www.mor.ph](http://www.mor.ph)

What It  
Takes To  
Deploy?

# Deploying RoR

- From development to a live app
- Preparing a system for deployment
- Making sure the system is running all the time
- Scaling the system
- Deploying updates
- Managing the DB as it changes

Why All

The

Hassle?

# Production Quality

- Predictability
- Ability to rollback
- Keeping it running
- Growing with demand
- Constant updates
- Security and control

How Do

We Do

That?

# Tools

- Source Control - code tagging
- Piston / svnmerge.py
- Capistrano
- Monitoring
- Vendor Everything
- Nagios, monit, FiveRuns
- Backup!!!

Example

# Steps

- Create a DB based Hello World app
- Check it into git/svn/etc...
- Create a Morph AppSpace + DB
- Get the deploy file and point to svn
- Start brewing coffee
- `cap -f morph_deploy.rb morph:deploy`
- Wait for the coffee - your app is deployed
- Drink the coffee

# Now In Code...

```
cd dev
mkdir rcdemo
svnadmin create demo_svn
rails -d postgresql demo
cd demo
vim config/database.yml (change user to guynaor)
rake db:create
script/generate scaffold contact first:string last:string
age:integer
rake db:migrate
script/server # http://localhost:3000/contacts
svn import file:///Users/guynaor/dev/rcdemo/demo_svn/
trunk/
cd ..
rm -rf demo
svn co file:///Users/guynaor/dev/rcdemo/demo_svn/trunk/
demo
cd demo
script/server # http://localhost:3000/contacts
```

# Deploy Live...

<http://panel.mor.ph>

login

create app space (rcdemo)

create DB

get cap file

```
mv ~/Downloads/morph_deploy.rb .  
vim morph_deploy.rb
```

**set the svn repo to:** `file:///Users/guynaor/dev/rcdemo/demo_svn/trunk/`  
**check** [rcdemo.morphexchange.com](http://rcdemo.morphexchange.com)

```
svn add morph_deploy.rb -m 'Added the Morph deploy script'
```

**Start Brewing the Coffee**

```
cap -f morph_deploy.rb morph:deploy
```

**Coffee is ready???**

**check** [rcdemo.morphexchange.com](http://rcdemo.morphexchange.com)

# Deploy Beast...

create app space (rcbeast)

create DB

get cap file

```
svn co https://dev.morphexchange.com/repos/ruby/trunk/testing/map\_beast/ beast
cd beast
mv ~/Downloads/morph_deploy.rb .
vim morph_deploy.rb
```

**set the svn repo to:** `https://dev.morphexchange.com/repos/ruby/trunk/testing/map_beast/`  
**check** `rcbeast.morphexchange.com`

```
cap -f morph_deploy.rb morph:deploy
```

**check** `rcbeast.morphexchange.com`

QA

Deploy

Your App

# Contact

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<http://www.mor.ph>