Drupal in Virtual Environments

(or whatever that means!)

mikeegoulding

Two things about this session…

- This isn't a how-to.

- There really isn't a second thing.

Anyway…
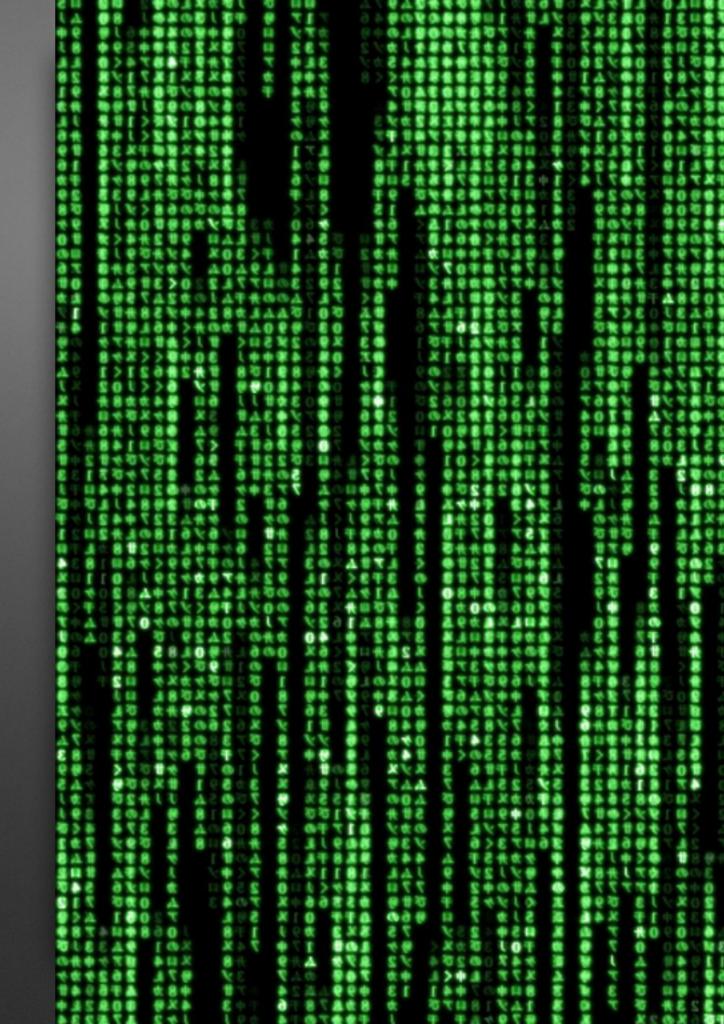
Ashday

Why virtualize your local dev?

- Consistency

  - Multiple locations, computers, and OS on an average dev team.

- Speed Improvements

  - Spin up new sites quicker

  - Spin up old sites quicker.

Ashday

What are the options?

Where do I even get started??

Ashday

The environment builder things.
(The apps that make this possible.)

- Vagrant (https://www.vagrantup.com)

    - Works with Virtualbox and VMware.

- Docker (https://www.docker.com)

    - Containers and a cool whale logo!

All-in-one Solutions

- Kalabox (http://www.kalamuna.com)
  - Vagrant or Docker depending on the version.

- PuPHPet (https://puphpet.com)
  - Uses Vagrant and the puppet provisioner.

Ashday

Provisioners
(The scripts that build your environments)

- Puppet (https://puppetlabs.com)

- Chef (https://www.chef.io)

- Ansible (http://www.ansible.com)

- Fabric (http://docs.fabfile.org/en/latest)

- Others I haven't heard of.

Ashday

That seems like a lot of options…

How will I know which combination is right for my team?

Ashday

Consider

- Dedicated DevOps/IT team?

- One person show or a big team?

- How much customization do you want/need?

Ashday

Pitfalls

- There will be things to install locally on each machine.

- Won't magically work on each computer without a little effort.

- Troubleshooting provisioners isn't simple without a little knowledge of the parts.

- Don't Hack It!

- Syncing can be a pain.

Best Practices
(Or how to get the most out of it)

- Start with an existing project

    - Like Vampd (https://github.com/vampd/vampd)

    - or VLAD (https://github.com/hashbangcode/vlad)

- Go Slow

- If you don't like ____ language don't use a provisioner based on it.

- Mirror what matters from Prod

- Submodules!

- Research

Ashday

Thanks!

Questions?

mike@ashday.com

Credit for things I found:

- pitfall image (http://upload.wikimedia.org/wikipedia/en/5/54/A2600_Pitfall.png)

- vagrant logo (http://vagrantup.com)

- docker logo (http://docker.com)

- matrix image (http://www.consciousconsumernetwork.tv/)

- awesome face (http://knowyourmeme.com/memes/awesome-face-epic-smiley)

Ashday