

Drupal in Virtual Environments

(or whatever that means!)

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Two things about this session...

- This isn't a how-to.
- There really isn't a second thing.

Anyway...



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.



What are the options?

Where do I even get started??



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.

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.



That seems like a lot of options...

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



Consider

- Dedicated DevOps/IT team?
- One person show or a big team?
- How much customization do you want/need?



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





Thanks!

Questions?

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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>)

