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Agenda

6:30pm - 7:00pm: Introductions and updates

7:00pm - 8:30pm: Developer tools with OpenStack

Quick updates

- April meeting will be re-scheduled to avoid conflicting with OpenStack Summit in Austin, TX
- Exact date of April meeting will be announced soon
- What interest in resuming building OpenStack on our laptops?
- Any questions/concerns/suggestions?

So you have an OpenStack cloud...now what?



Developer tools with OpenStack

- Devs have a number of "low-friction" tools they're already using
- These tools include Vagrant, Docker Machine, and Terraform
- Let's look at how users can use these tools with OpenStack
- All materials from this presentation are available via GitHub (https://github.com/lowescott/openstack-denver-meetup)

Vagrant and OpenStack

- Vagrant (http://www.vagrantup.com) is well-known for manipulating local VMs, but you can also use it with OpenStack
- Allows users to use same vagrant up commands they already use
- Consumes capacity on your OpenStack cloud instead of on local laptops, but the user experience is virtually identical
- So what are the difference pieces that are involved?

Demo:

Vagrant and OpenStack

Docker Machine and OpenStack

- Docker Machine (https://www.docker.com/products/docker-machine) is very similar to Vagrant, but tailored for use with Docker
- VMs/instances created by Docker Machine are automatically provisioned with Docker Engine
- Can leverage a number of different providers, including OpenStack
- How about a demo?

Demo:

Docker Machine and OpenStack

Terraform and OpenStack

- Terraform (https://www.terraform.io/) may be slightly more Opsoriented than Dev-oriented
- Similar to Heat, but supports multiple providers, platforms, and services
- If using only OpenStack, then Heat is fine
- If using multiple platforms/providers/services, then Terraform may make more sense
- Ready to see a demo?

Demo:

Terraform and OpenStack

Questions & Answers

Thanks!

We (the meetup organizers) are always open to your feedback!

Blog: http://blog.scottlowe.org

Twitter: @scott_lowe

GitHub: https://github.com/lowescott

Life: Colossians 3:17