Open Source Systems Administration

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- Linux hobbyist since 2002
- Professional systems administrator since 2006
- Contributor to Ubuntu, Debian and OpenStack projects
- But perhaps most importantly...

OpenStack Infrastructure

We have open sourced our infrastructure!

Grab:

git clone git://git.openstack.org/openstack-infra/config

Or just browse:

https://git.openstack.org/cgit/openstack-infra/config/tree

All projects:

https://git.openstack.org/cgit/openstack-infra/

Examples are awesome

(read: I don't want to spend all month figuring out how to use your crazy infrastructure)

Encourages better practices

Allows others in your organization to suggest changes

Sharing is nice

OK, so how?

- Prepare policies
- Segregate code
- Document
- Share!

Have an open source policy

All software used in your infrastructure is Open Source

...if not, segregate out proprietary

Licenses!

Add a license to your configuration files:)

Seriously.

This is important.

Puppet: Step 1

For anything generic that others may want to use, leverage existing modules or write your own with the intent of sharing

Apache MySQL Reviewday

(You're already doing this, right?)

Puppet: Step 2

Split out non-sensitive custom configurations into your own module

Puppet: Step 3

Use Hiera for sensitive data

(Hiera is my favorite thing ever)

Document

- Links to source
- Work flows
- Contribution instructions
 - Direct commits/reviews
 - Bug reports
- Bootstrapping and glue

Share!

(Oh, and make sure you have a license)

Who else is doing it?

Debian: https://dsa.debian.org/

Fedora: https://fedoraproject.org/wiki/Infrastructure

Mozilla: https://wiki.mozilla.org/ReleaseEngineering/PuppetAgain

Resources

OpenStack Project Infrastructure docs: http://ci.openstack.org/

OpenStack Infrastructure repository: https://git.openstack.org/cgit/openstack-infra/