OpenStack . . .

pure python, community developed IaaS

What's this talk about?

It's all about OpenStack...

    ... about what it is.

    ... about how it is being developed.

    ... about the community around it.

    ... about engaging you to contribute to it.

@flaper87 (a.k.a, Flavio Percoco):

Very proud Red Hatter, who's also part of the MongoDB Master team and has contributed to Open Source since... forever.

One of those who thinks about programming when he's not programming.

Who's this dude?

RDO

member of

... let me tell you what it is

OpenStack

What marketers read:

noun [U] /ˈoʊ.pənstæk/ cloud operating system that controls large pools of compute, storage, and networking resources throughout a datacenter, all managed through a dashboard that gives administrators control while empowering their users to provision resources through a web interface.

What it really is:

Really cool, pure python, open source, infrastructure (and not just infrastructure) as a service provider (IaaS).

- OpenStack Compute (Nova)

- OpenStack Image (Glance)

- OpenStack Block Storage (Cinder)

- OpenStack Object Storage (Swift)

- OpenStack Networking (Neutron)

- OpenStack Dashboard (Horizon)

- OpenStack Meetering (Ceilometer)

- OpenStack Identity (Keystone)

- OpenStack Orchestraion (Heat)

... let me tell how it is being developed

500% written in Python
-0,1% web stuff
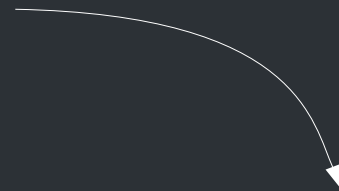
Snakes
Everywhere

Plug-in based

Non
Opinionated

Shared Nothing Architecture

It doesn't matter who you are

Nor where you come from
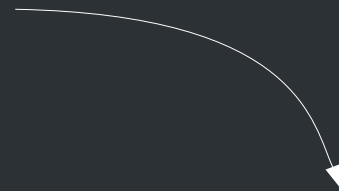Nor how many cats you have

Gerrit, FTW

Code
Reviews
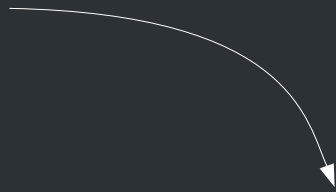
"core-committers".replace("committers", "contributors")

Gerrit, FTW

Code
Reviews

Jenkins Continues Integration

No push

Github

Public Repository

Launchpad

Bugs &
Blueprints

Common Code

Oslo Incubator

When bad things are the best ideas.

... right, and who "defines" those?

~~Rules~~ → Standards

... let me tell you a story, OS's community rocks

Design
Open Development
Community

Project Technical Lead (PTL)

9981 Contributors

87 Countries

(keeps Growing)

Always on IRC

Always There

Regular Meetings
Always on IRC

Always
There

Very active mailing list

Regular Meetings
Always on IRC

Always
There

Technical Committee

Takeaways

Community Matters

Drop your ego

Do reviews

Define your standards

Be there

Q&A

http://openstack.redhat.com/

http://www.openstack.org/

we're hiring

Thanks

redhat