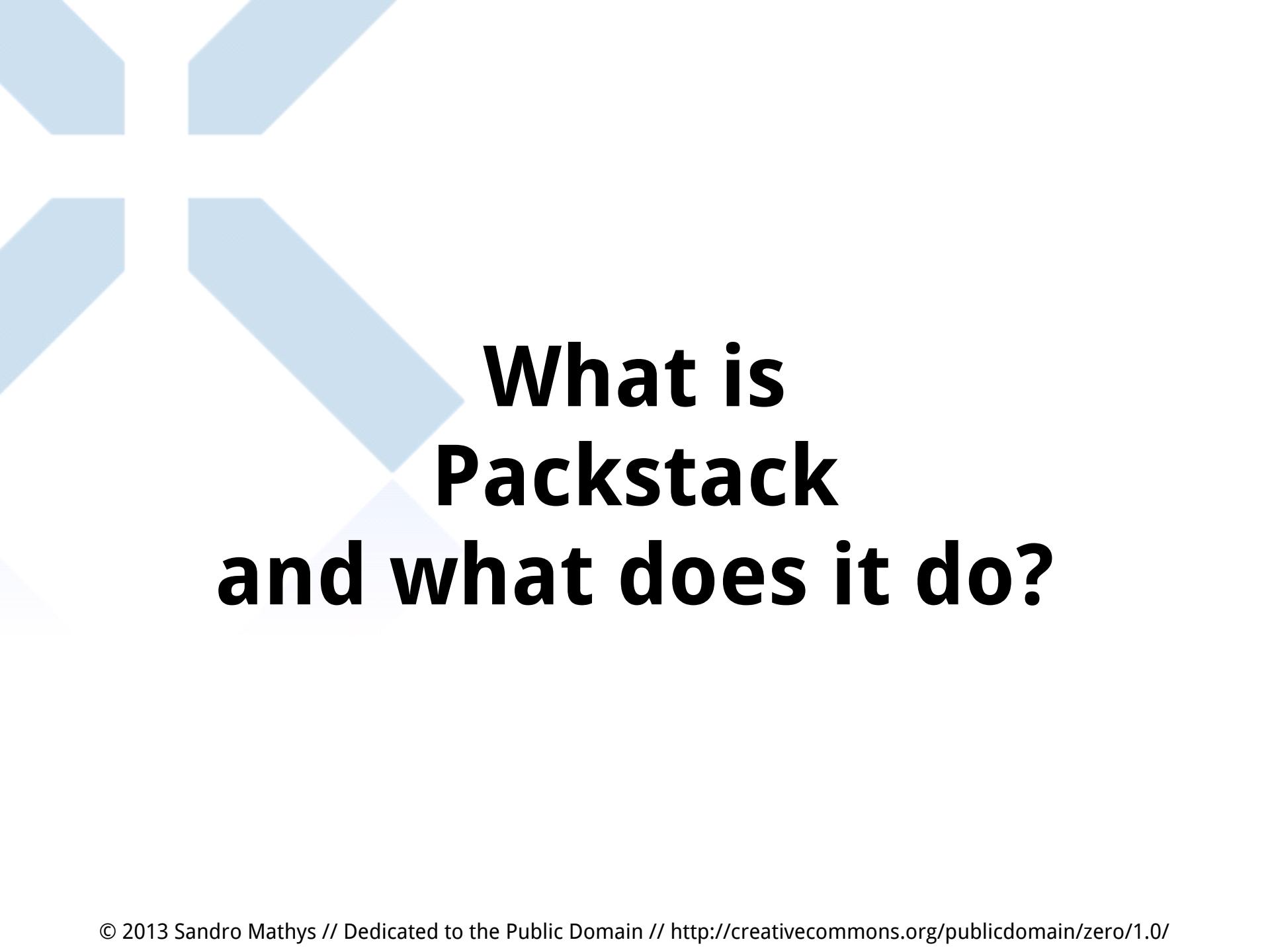


Packstack

<https://wiki.openstack.org/Packstack>

Sandro Mathys
Cloud Architect
SystemsX / ETH Zurich





What is Packstack and what does it do?

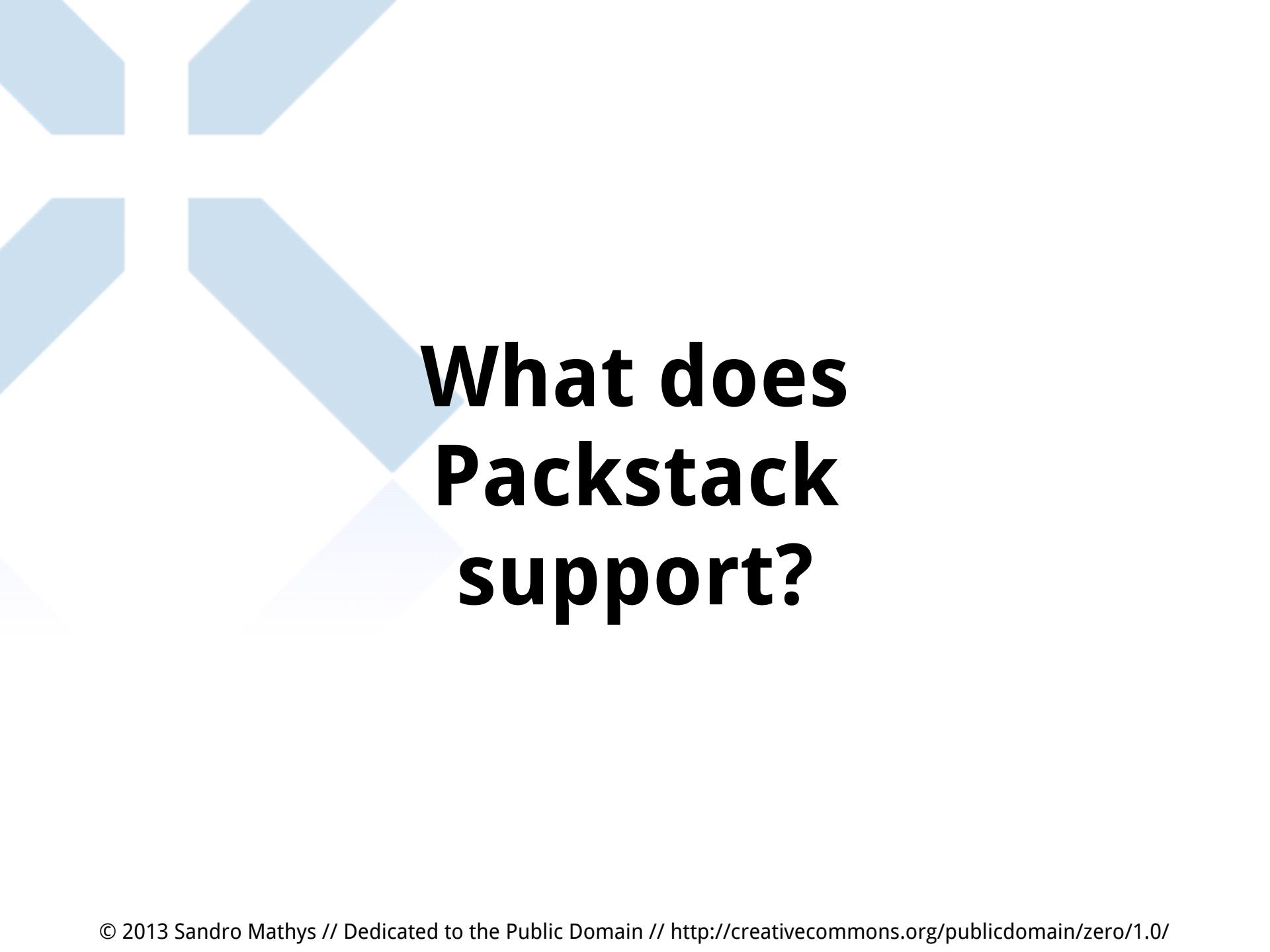
Packstack

“... is a utility that uses Puppet modules *to deploy* various parts of OpenStack
on *multiple* pre-installed *servers* over SSH *automatically.*”

Packstack

“... is a utility that ***uses Puppet*** modules ***to deploy*** various parts of ***OpenStack*** on multiple pre-installed servers ***over SSH*** automatically.”

Python => SSH => Puppet => OpenStack



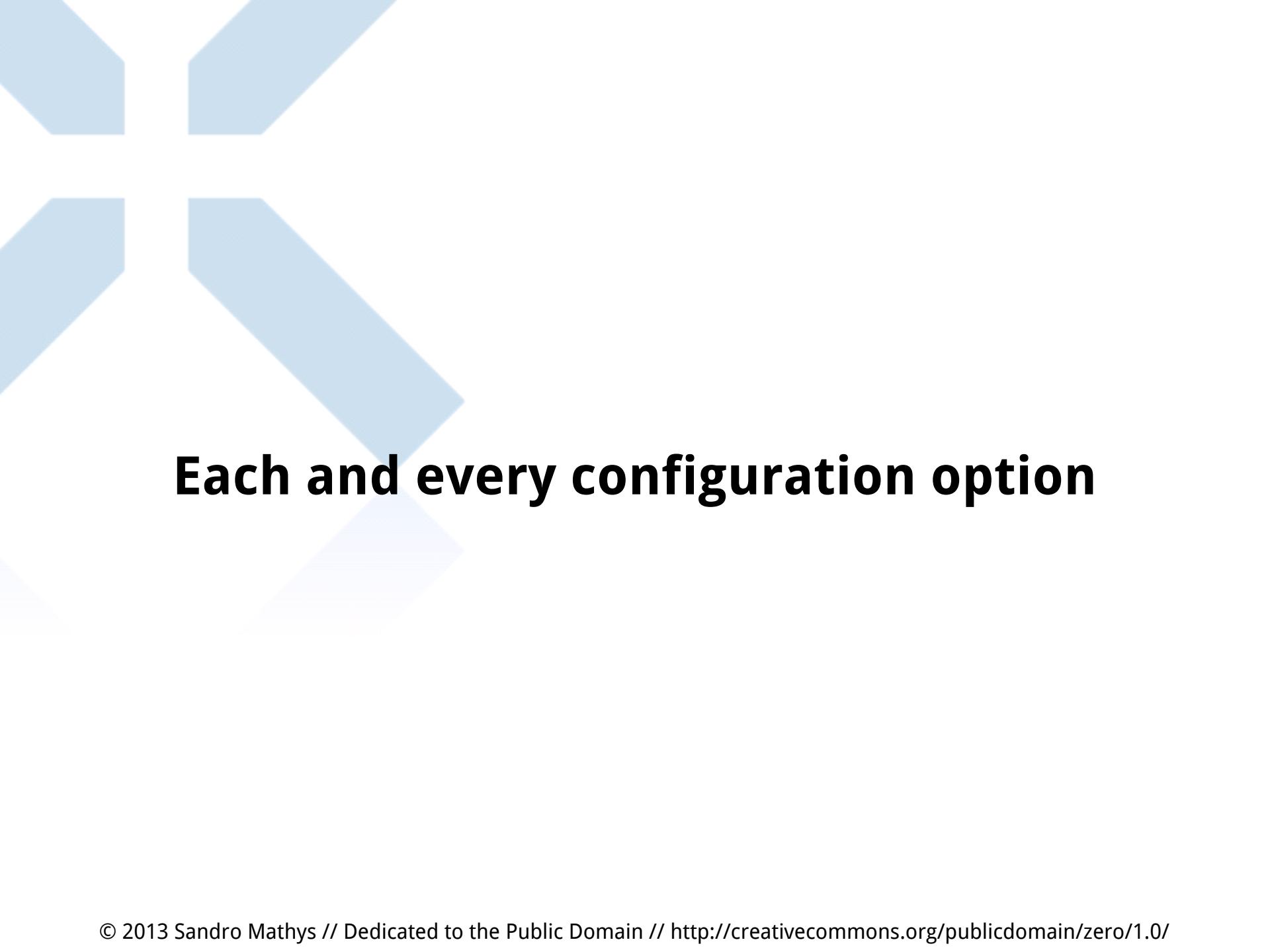
What does Packstack support?

Red Hat Enterprise Linux, Fedora, and Derivatives

e.g. CentOS, Scientific Linux

Folsom and Grizzly

What does Packstack NOT (yet) support?

The background of the slide features a subtle, abstract design composed of several thick, light blue diagonal stripes. These stripes vary in orientation and opacity, creating a sense of depth and movement across the white space.

Each and every configuration option

The background features a minimalist design with several light blue geometric shapes. There are two large, thin vertical rectangles at the top left and top right. In the middle-left area, there is a large, thin, diagonal rectangle pointing downwards and to the right. To its right, there is a smaller, shorter, diagonal rectangle pointing upwards and to the right. The overall aesthetic is clean and modern.

**Quantum, Ceilometer, Heat, Savanna,
RedDwarf, Marconi, ...**



Where is Packstack available?

The background features several large, semi-transparent blue geometric shapes: a triangle at the top left, a trapezoid at the top right, a rectangle on the left side, and a large parallelogram angled towards the center.

Fedora

<https://www.fedoraproject.org/>

The background features several light blue, semi-transparent geometric shapes: two large trapezoids at the top left and right, and a single large parallelogram below them.

EPEL

<https://www.fedoraproject.org/wiki/EPEL>



RDO
<http://openstack.redhat.com/>

The background features several light blue, semi-transparent geometric shapes: a large triangle at the top left, a smaller triangle below it, and a long, narrow parallelogram on the right side.

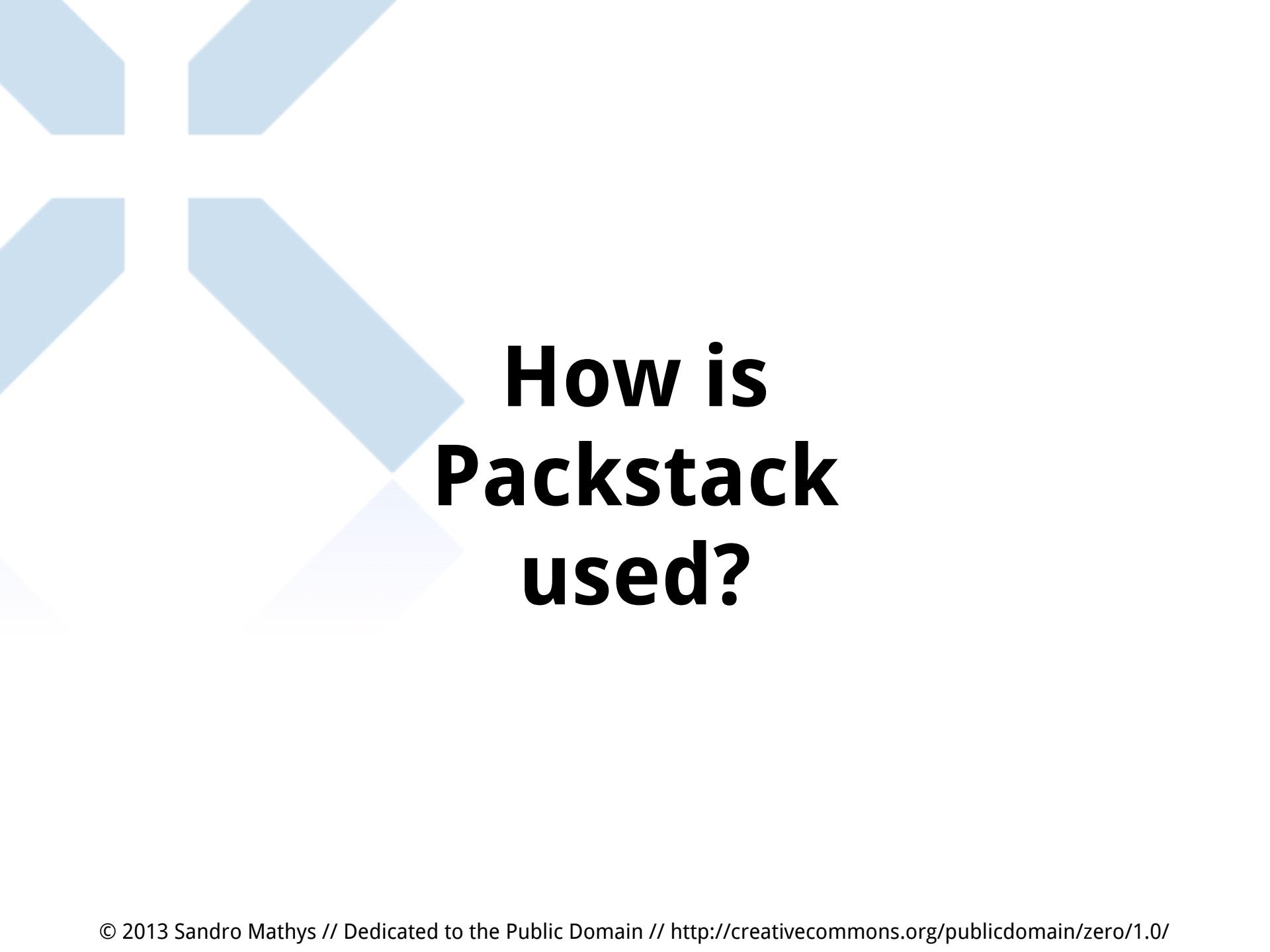
RHOS

<https://www.redhat.com/openstack/>

The background features several light blue, semi-transparent geometric shapes: a large triangle at the top left, a smaller triangle below it, and a long, narrow parallelogram extending from the middle left towards the center.

GitHub

<https://github.com/stackforge/packstack>



How is Packstack used?

Interactively

Command Line Prompt

packstack --help

or

packstack --allinone

packstack --gen-answer-file /root/ans.txt

vi /root/ans.txt

packstack --answer-file /root/ans.txt

Where is Packstack developed?

StackForge

OpenStack Project Infrastructure

Same Processes, High Quality

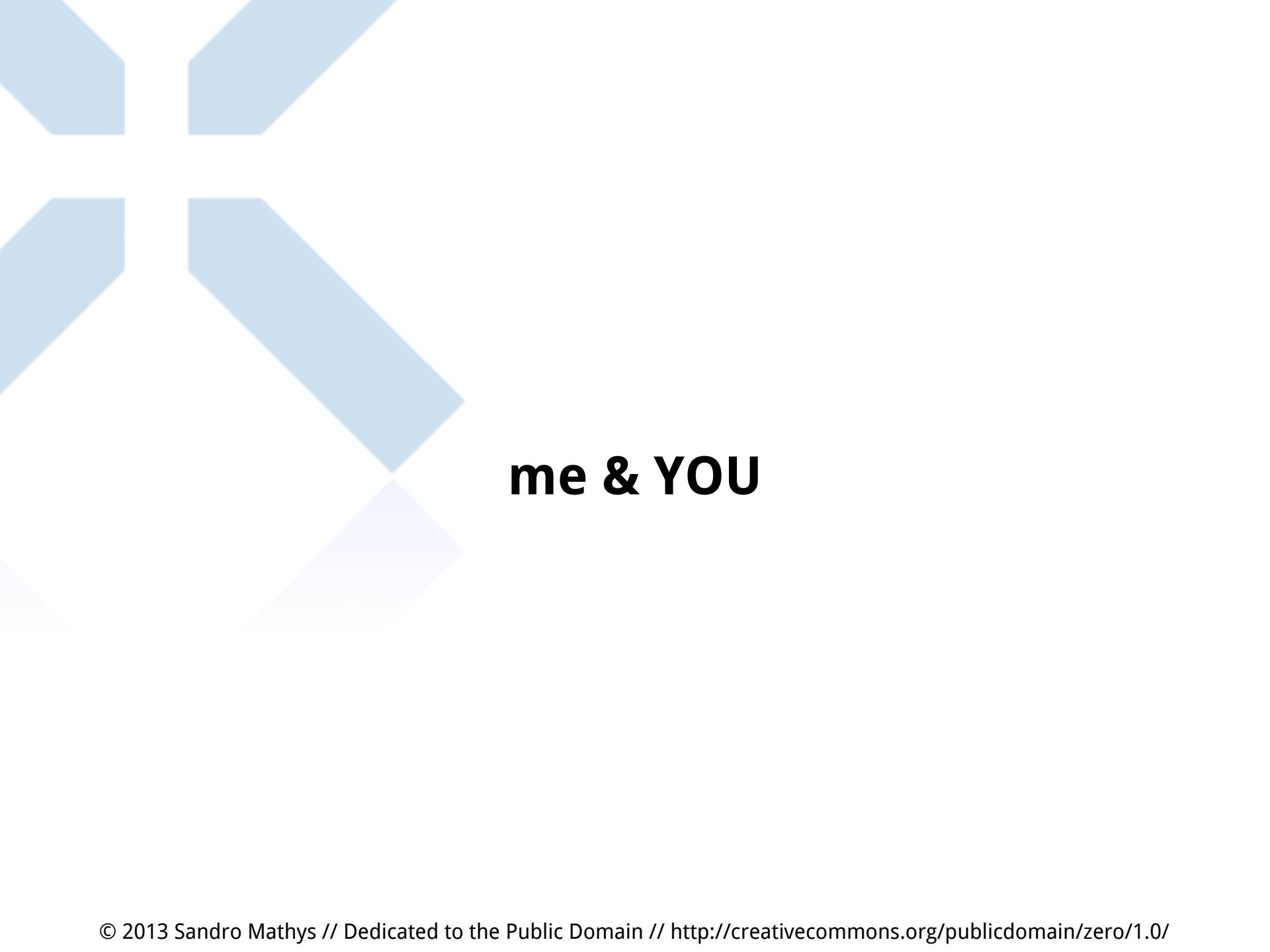
Gerrit => Jenkins => Zuul

Who develops Packstack ?



Red Hat

Derek Higgins, et al.

The background features a minimalist design with several light blue geometric shapes. There are two large, thin blue rectangles at the top, one oriented horizontally and the other vertically. In the center-left, there is a thick blue parallelogram pointing towards the bottom-left. Below it, a smaller blue triangle points upwards. To the right of the parallelogram, there is a large, semi-transparent blue diamond shape.

me & YOU

Ideas for Contributions

Fix existing bugs :-)

Secure all communication

Quantum (etc.) support

Un-Packstack (i.e. cleanup)

More Unit Tests



**Give
Packstack
a try!**

ETH Zurich // University of Zurich // SWITCH

Academic Compute Cloud

Experience Workshop

Monday, 29 April 2013 @ ETH Zurich

<http://www.amiando.com/AcademicCloud.html>