Hands-On Heat Tutorial

Brought to you by Rackspace and SUSE

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21 Years of Adapting Open Source

SETTING THE BAR

LEADING PROVIDER

of enterprise linux solutions

GLOBAL MARKET

CUSTOMERS WORLDWIDE

▶ 19,000+

GLOBAL ORGANIZATION

EMPLOYEES IN 43 COUNTRIES

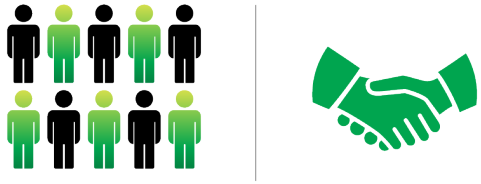
▶ 850+

KNOW HOW

21+

years of linux engineering experience

PARTNERS



5,000+ member partner ecosystem

THE GOLD STANDARD

AWARD WINNING

technical support and customer service

SUSE

How is SUSE Participating?

Platinum Member

Alan Clark
Chairman of the Board

Technical Contributions

OpenStack Distribution

Promotion in openSUSE Community

Rackspace Intro

Service Deployment

How do I deploy it?

There are 3 ways to deploy services in the cloud:

The easy way

The “not quite as easy” way

The “hard up-front, but totally easier in the end” way

How do I deploy it?

The easy way ...

Manual deployment process

- Log into the dashboard
- Go to the images section
- Select your image(s) and launch it
- Configure networking and storage as necessary

Very quick and easy...
If you're doing it once

How do I deploy it?

The “not quite as easy” way ...

Use the API

- Python libraries
- Script out the manipulation of compute, network, and storage

Labor intensive up front, but scales easily to large deployments

Not terribly friendly to all potential cloud users

How do I deploy it?

The “hard up-front, but totally easier in the end” way

OpenStack Heat Project

- Incubated project for Grizzly
- Fully supported as of SUSE Cloud 3.0 (Havana)

openstack
CLOUD SOFTWARE

Heat is a service to orchestrate multiple composite cloud applications

How do I deploy it?

The “hard up-front, but totally easier in the end” way

“Heat is a service to orchestrate multiple composite cloud applications using the AWS Cloud Formation template format, through both an OpenStack-native ReST API and a CloudFormation-compatible Query API.”

How do I deploy it?

The “hard up-front, but totally easier in the end” way

“Heat is a service to orchestrate multiple composite cloud applications using the AWS Cloud Formation template format, through both an OpenStack-native ReST API and a CloudFormation-compatible Query API.”

Um ... what?

How do I deploy it?

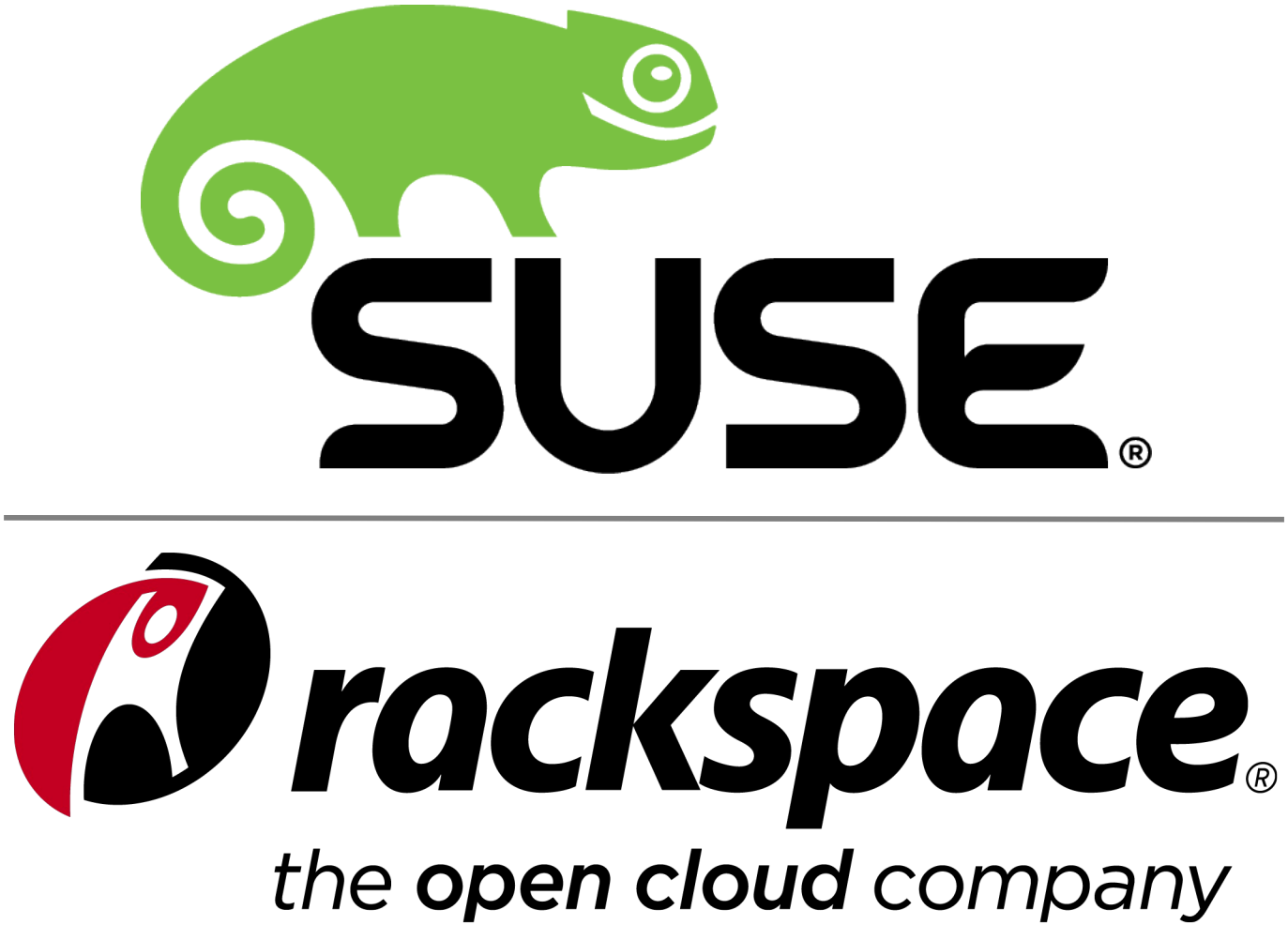
The “hard up-front, but totally easier in the end” way

Heat allows you to pre-define a set of compute, network, and storage requirements to provide a specific service, and deploy the whole thing *automagically*.

It's *hands-on time!*

<url for cloud instance>
<url for heat template>

Thank you.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