

Hands-On Heat Tutorial

Brought to you by Rackspace and SUSE

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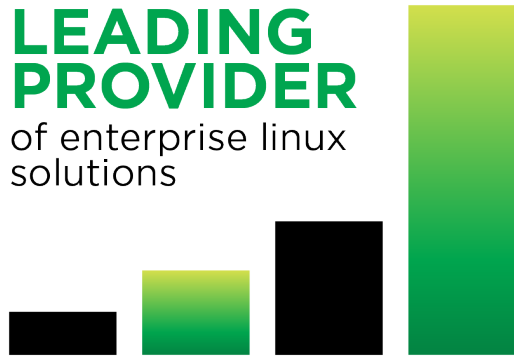


21 Years of Adapting Open Source

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of enterprise linux
solutions



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**CUSTOMERS
WORLDWIDE**

▶ 19,000+

GLOBAL ORGANIZATION

**EMPLOYEES IN
43 COUNTRIES**

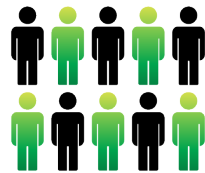
▶ 850+

KNOW HOW

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years of linux engineering
experience

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partner ecosystem



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**AWARD
WINNING**



technical support and
customer service



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:

1

The easy way

2

The “not quite as easy” way

3

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

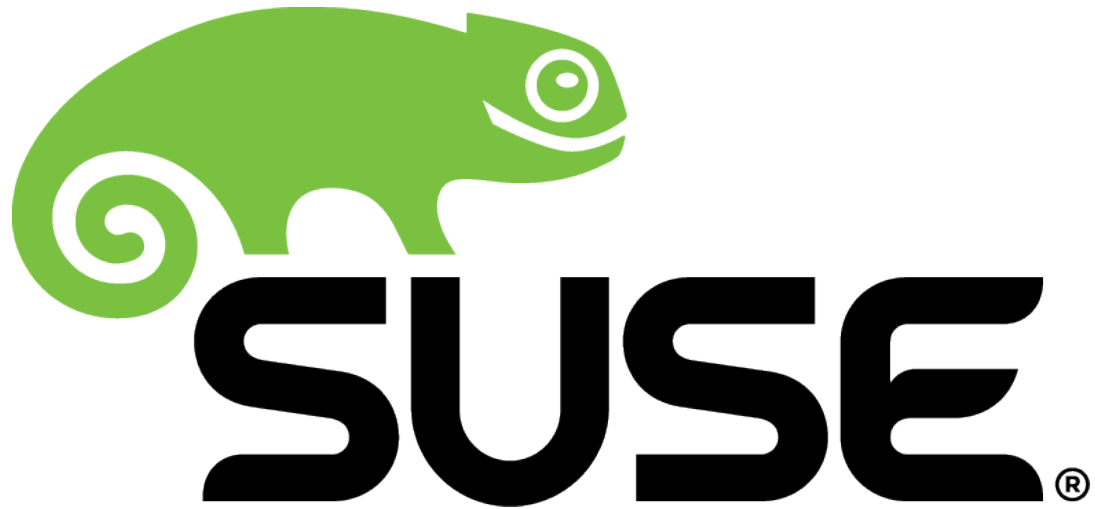
Heat allows you to pre-define a set of **compute**, **network**, and **storage** requirements to provide a specific service, and deploy the whole thing *automagically*.

It's *hands-on time!*

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

Thank you.







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