

openstack®

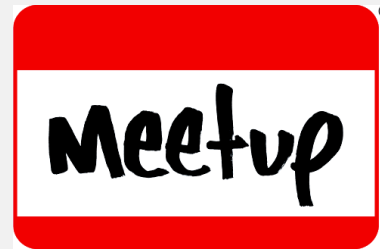
CLOUD SOFTWARE



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OpenStack Cloud Learning



11th Swiss OpenStack User Group Meetup with Docker

IBM Cloud Transformation Lab for Data Science
Vulkanstrasse 106, 8010 Zurich, Switzerland

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All opinions expressed in this presentation are my own



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Agenda

- ◆ Introduction
 - ◆ Why we need to learn OpenStack?
 - ◆ OpenStack skills, supply & demand
 - ◆ Sources of learning
 - ◆ Learning roadmaps
 - ◆ Hosted OpenStack trials & demos
 - ◆ Building your own
 - ◆ Summary
- Why?
- What?
- How?



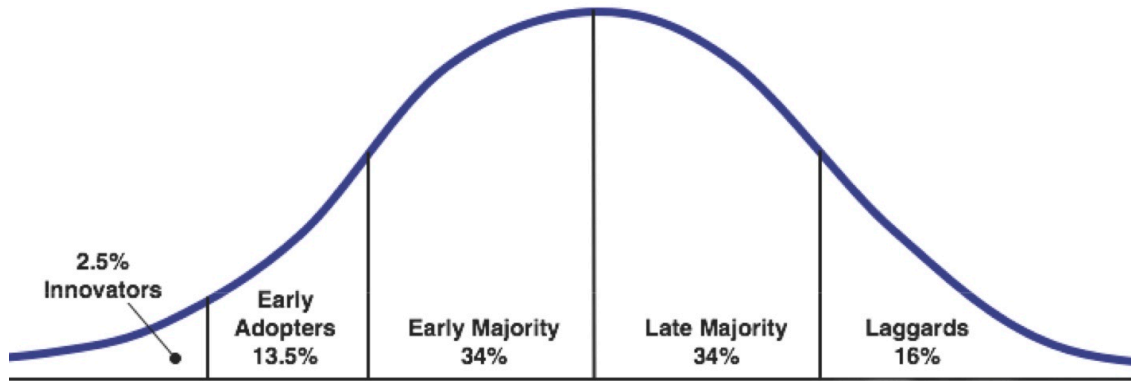
Why we need to learn OpenStack?

- ◆ OpenStack Engineers make 36% more than an average cloud engineer – OpenStack foundation
- ◆ Mirantis Certified OpenStack Engineers make > \$136K - Glassdoor
- ◆ 14 million Cloud jobs to be created by end of 2015 – BSA Software Alliance
- ◆ OpenStack is growing so fast that the talent pool is not deep enough to fill the positions available – Rackspace
- ◆ Last but not least, We like OpenStack



OpenStack skills, supply & demand

Technology Adoption Life Cycle



- Consumer confidence
- The geek factor
- OpEx versus CapEx
- Agile Development

We are seeing shorter life cycles for Tech

- ◆ World Wide Web
- ◆ Smartphone
- ◆ Virtualisation
- ◆ Public Cloud
- ◆ **Private Cloud**
- ◆ **Training “lag”**
- ◆ **Lack of planning**



Sources of learning

OpenStack Marketplace

- ◆ Mirantis
- ◆ HP
- ◆ Ubuntu

MOOC's

- ◆ Coursera
- ◆ Edx
- ◆ Others

Labs & Demo's

- ◆ DevStack
- ◆ HP Helion Community
- ◆ IBM Cloud Manager with OpenStack
- ◆ Mirantis Express



Books

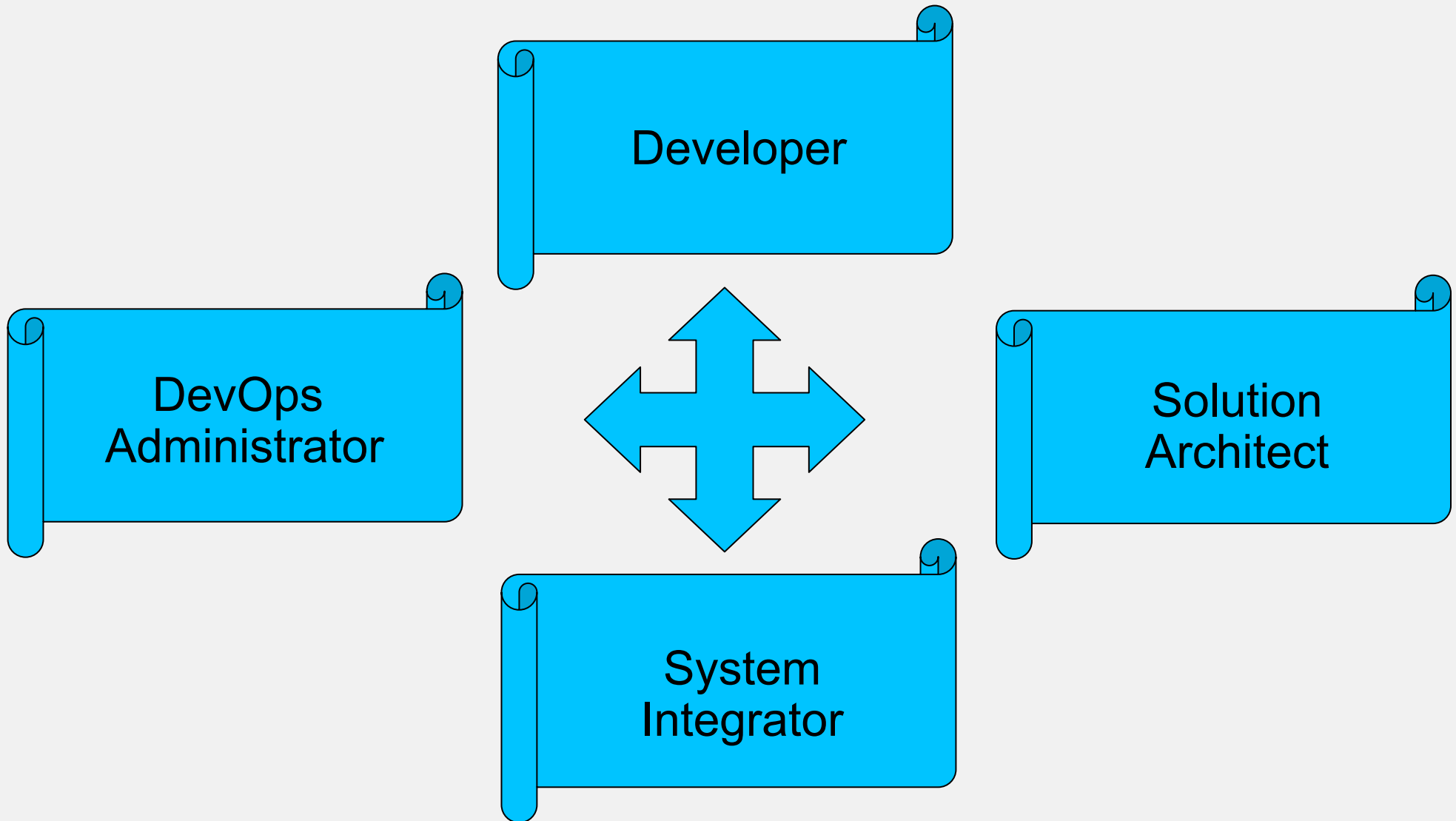
- ◆ O'Reilly
- ◆ Amazon
- ◆ OpenStack Documentation

Other

- ◆ Meetup
- ◆ Summit Videos
- ◆ YouTube
- ◆ BrightTALK



Learning roadmaps



Hosted OpenStack trials & demos

Hosted Trials

- ◆ IBM Cloud Manager with OpenStack
- ◆ Mirantis Express
- ◆ Rackspace Developer account

Private Cloud download

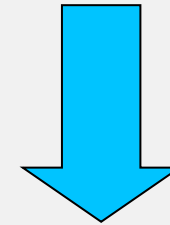
- ◆ IBM Cloud Manager with OpenStack
- ◆ HP Helion Community
- ◆ Rackspace OpenStack
- ◆ RedHat Enterprise Linux OpenStack Platform
- ◆ RDO



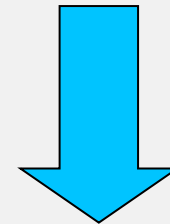
Building your own

- ◆ Hosted trial
- ◆ Devstack on Virtualbox
- ◆ HP Helion Community on VM
- ◆ Mirantis Fuel on bare metal
- ◆ IBM Cloud Manager with OpenStack
- ◆ And many others

Demo



Proof of Concept



Pilot



Conclusions

- ◆ We now accept the need to learn OpenStack
- ◆ Which learning roadmap is right for you?
- ◆ Should be able to get started on Horizon
- ◆ From demo to pilot

