



OpenStack and Kubernetes, at full power

OpenStack Day Italy - September 21, 2018

Alessandro Renna
Sales Engineer, SUSE
alessandro.renna@suse.com

Why OpenStack?



“OpenStack has grown into a de facto standard platform for the private cloud market.” *

“OpenStack has solidified its position as the leading open source option for building private and public cloud environments.” **

“The most widely used open source platform available.” ***

* Forrester: OpenStack's Global Traction Expands For Its Newton Release. 19th Dec 2016

** 451 Research: OpenStack private cloud revenue to overtake its public cloud revenue in 2018. November 2017

*** 451 Research: Pathfinder: OpenStack – Enabler of Digital Transformation. September 2018

Kubernetes is a new container technology leader

Container orchestration and management

Orchestration

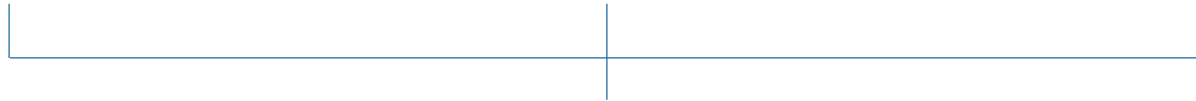
- Scheduling
- Service discovery

Performance and availability

- Scaling
- Load balancing
- Self-healing
- Monitoring

Maintenance

- Rollout
- Rollback



kubernetes

SUSE OpenStack Cloud

Reducing the complexity of OpenStack



“OpenStack requires a high degree of know-how to deploy.”

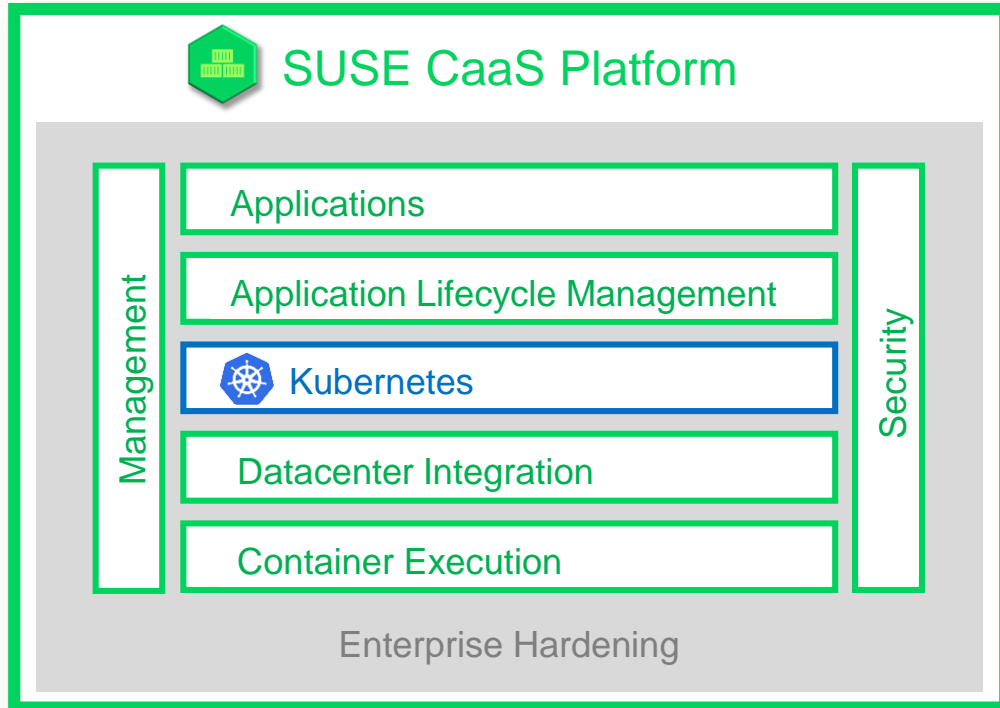
451 Research Market Monitor, OpenStack Overview August 2017



SUSE OpenStack Cloud makes OpenStack easier to deploy, use, manage and upgrade

SUSE CaaS Platform simplifies and extends Kubernetes

Container management for the enterprise



SUSE Software-Defined Infrastructure and Application Delivery Approach



Infrastructure & Lifecycle Management

SUSE Manager

SUSE OpenStack Cloud Monitoring

Application Delivery



Container Management
SUSE CaaS Platform



kubernetes



Platform as a Service
SUSE Cloud Application Platform

Software-Defined Infrastructure



Private Cloud / IaaS
SUSE OpenStack Cloud



Compute
Virtual Machine & Container



Storage
SUSE Enterprise Storage



Networking
SDN and NFV



Operating System
SUSE Linux Enterprise Server



Public Cloud
SUSE Cloud Service Provider Program

Physical Infrastructure: Server, Switches, Storage



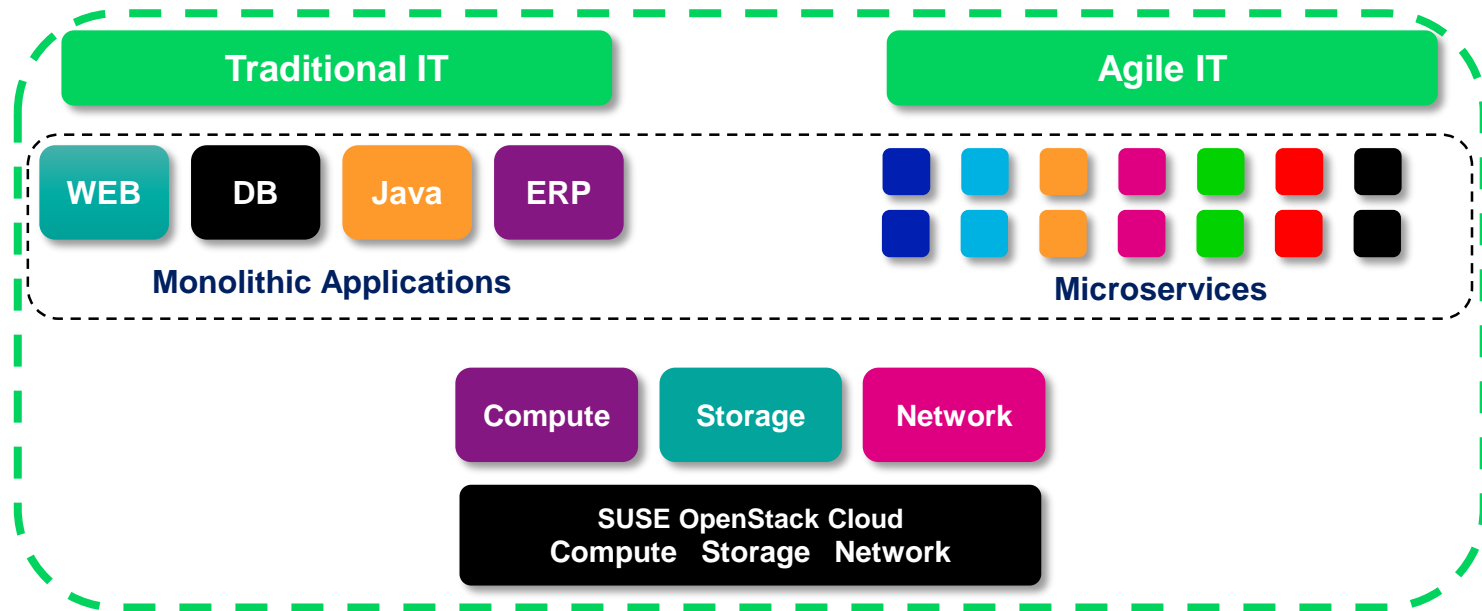
SUSE OpenStack Cloud & CaaS Platform

Bridging the Two Worlds of IT

Traditional IT
Evolutionary
(mode 1)

Agile IT
Revolutionary
(mode 2)

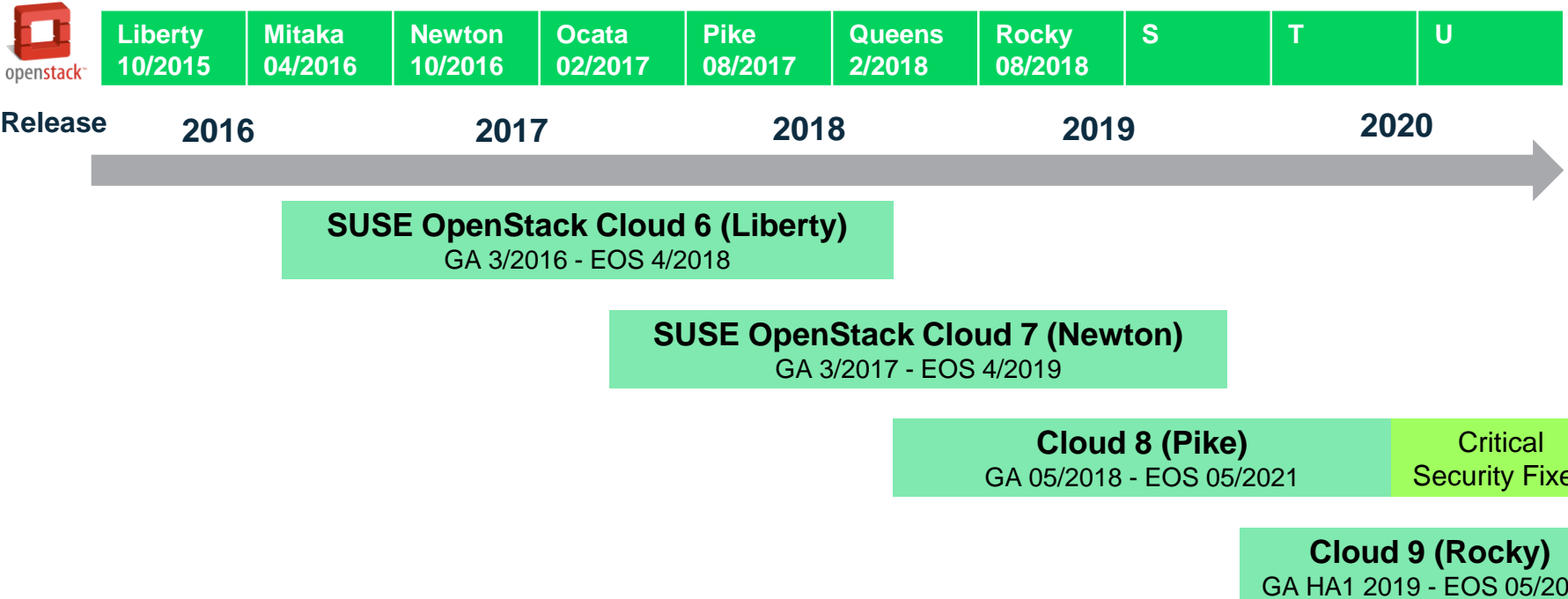
Bi-Modal IT with SUSE OpenStack Cloud & CaaS Platform



SUSE OpenStack Cloud bridging the “Old” and the “New”

- Increased agility
- Easier and faster to innovate
- Faster time to value
- Maximize the value of existing IT
- Reduce costs
- Improve efficiency

SUSE OpenStack Cloud – Extended Lifecycle



SUSE OpenStack Cloud

Container Management Options

SUSE provides **choices** for container deployment:

1. With **SUSE OpenStack Cloud** leverage mature...

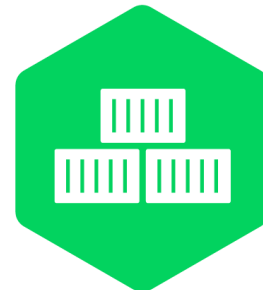
- Storage
- Network
- Multi-Tenant Security

2. With **SUSE CaaS Platform**...

- Deploy without OpenStack
- Deploy directly on bare metal or in a VM
- Deploy a lighter, Kubernetes-only option

SUSE OpenStack Cloud 8

Simplifies container deployment even further using **SUSE CaaS Platform Images** as the default base for deployment with a pre-configured **Heat template**.



Let's have a look

Summary

SUSE OpenStack Cloud and CaaS Platform help you to deliver:

- A **robust, production-ready private cloud** ready to run business-critical workloads
- An **Enterprise ready Container Management** platform based on Kubernetes
- An **Open Source Software-Defined Infrastructure** and **Application Delivery Platform** to bridge the two worlds of IT



Thank You!



We adapt. You succeed.