



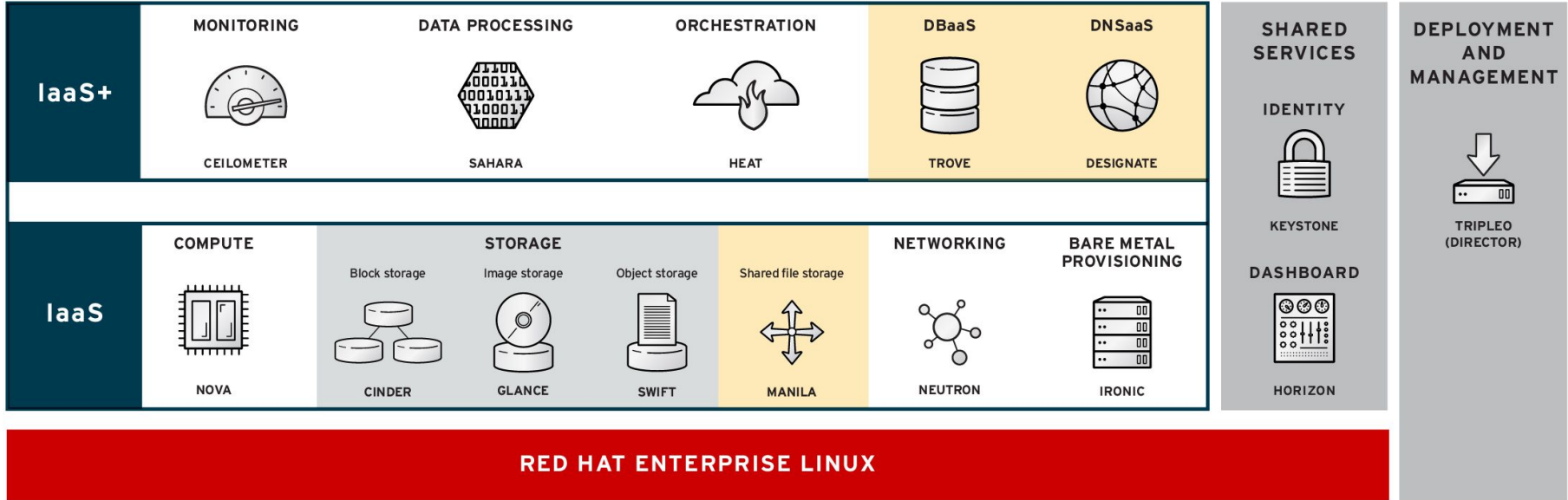
Getting started on Openstack

Architecture, Installation and Containers

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sr. Cloud Solutions Architect
October 2016

Openstack is designed to scale a
Software-Defined-Datacentre

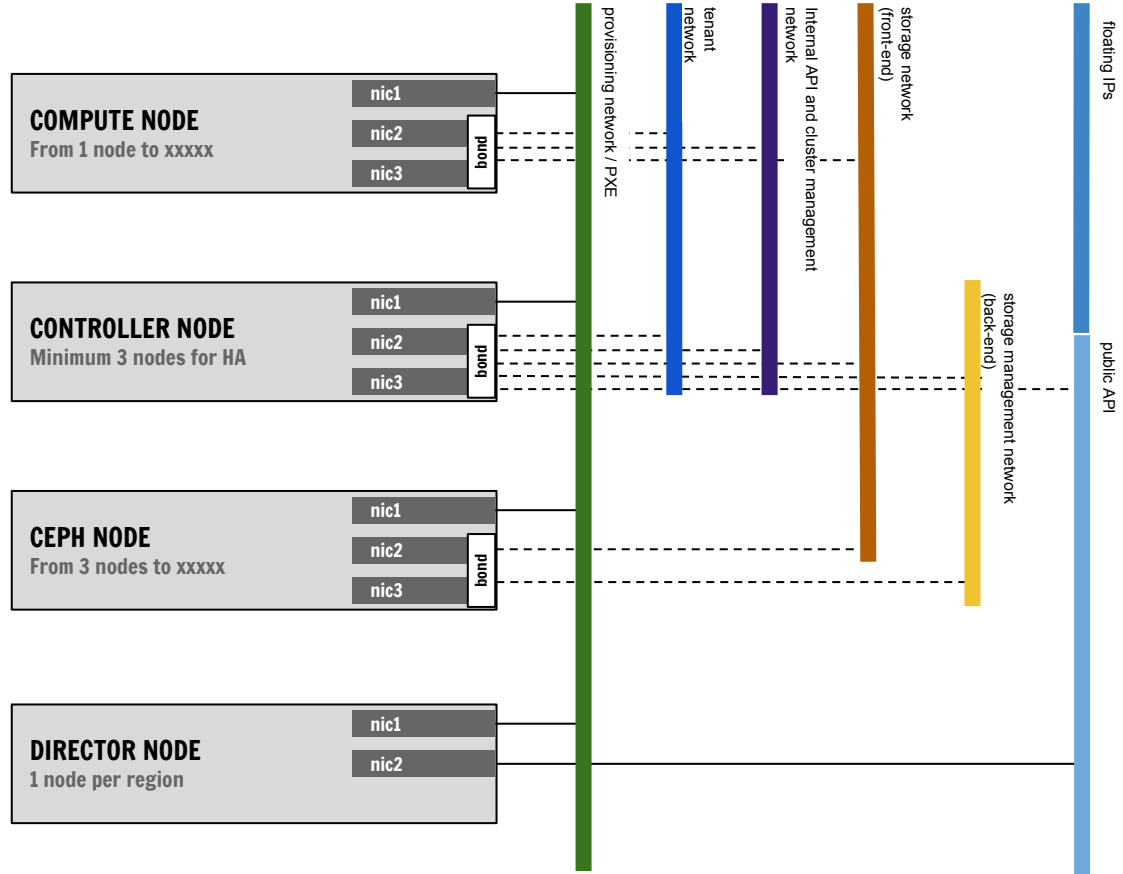
Red Hat Openstack 8 - Core Components



 Technology preview

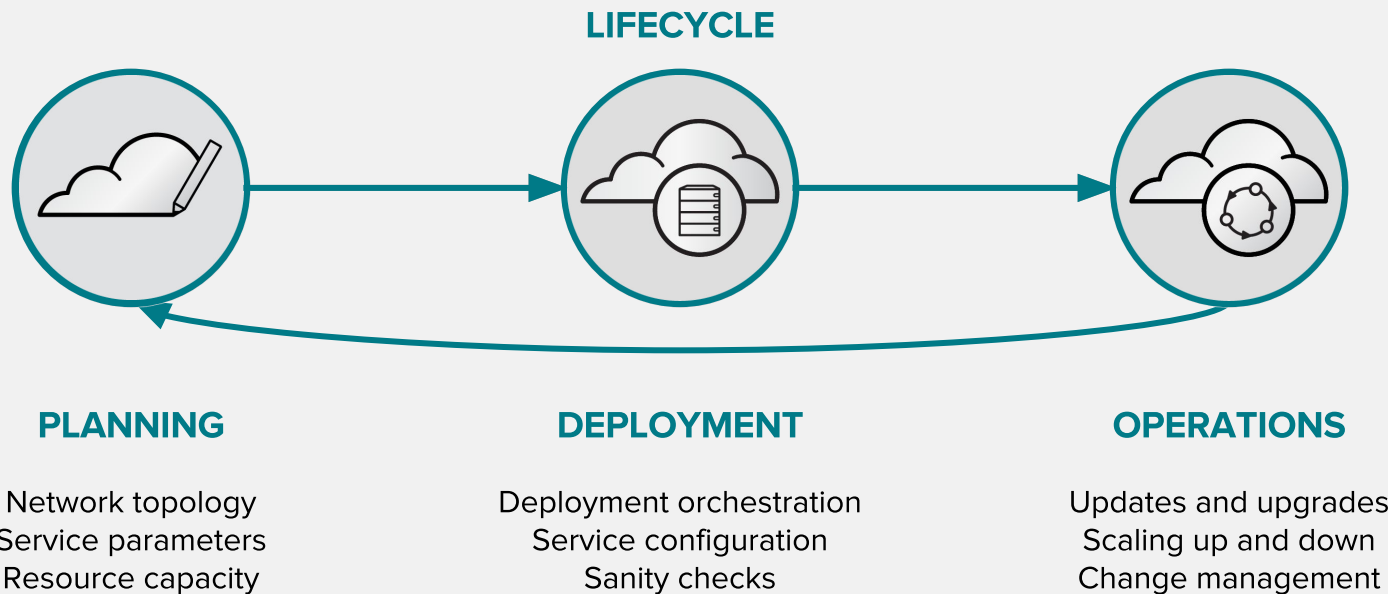


openstack reference architecture

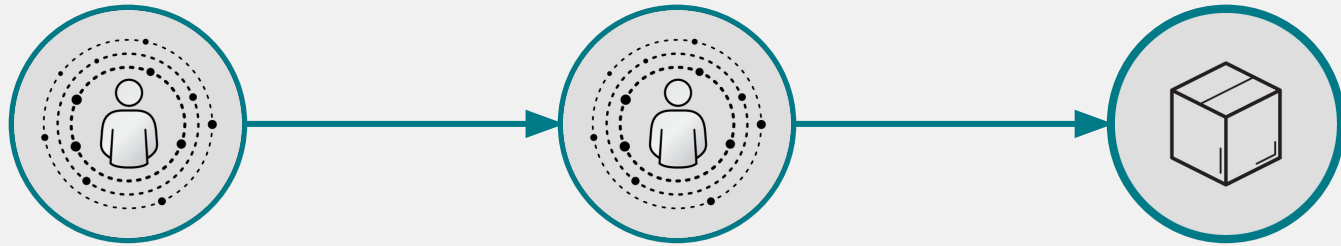


OpenStack director

Project's Mission



From Upstream to Product



**UPSTREAM
OPENSTACK**

TripleO

**MIDSTREAM
COMMUNITY**

RDO-Manager

**DOWNSTREAM
PRODUCT**

RHEL OpenStack Platform
director

How can I get started without all this
equipment?

Disclaimer :

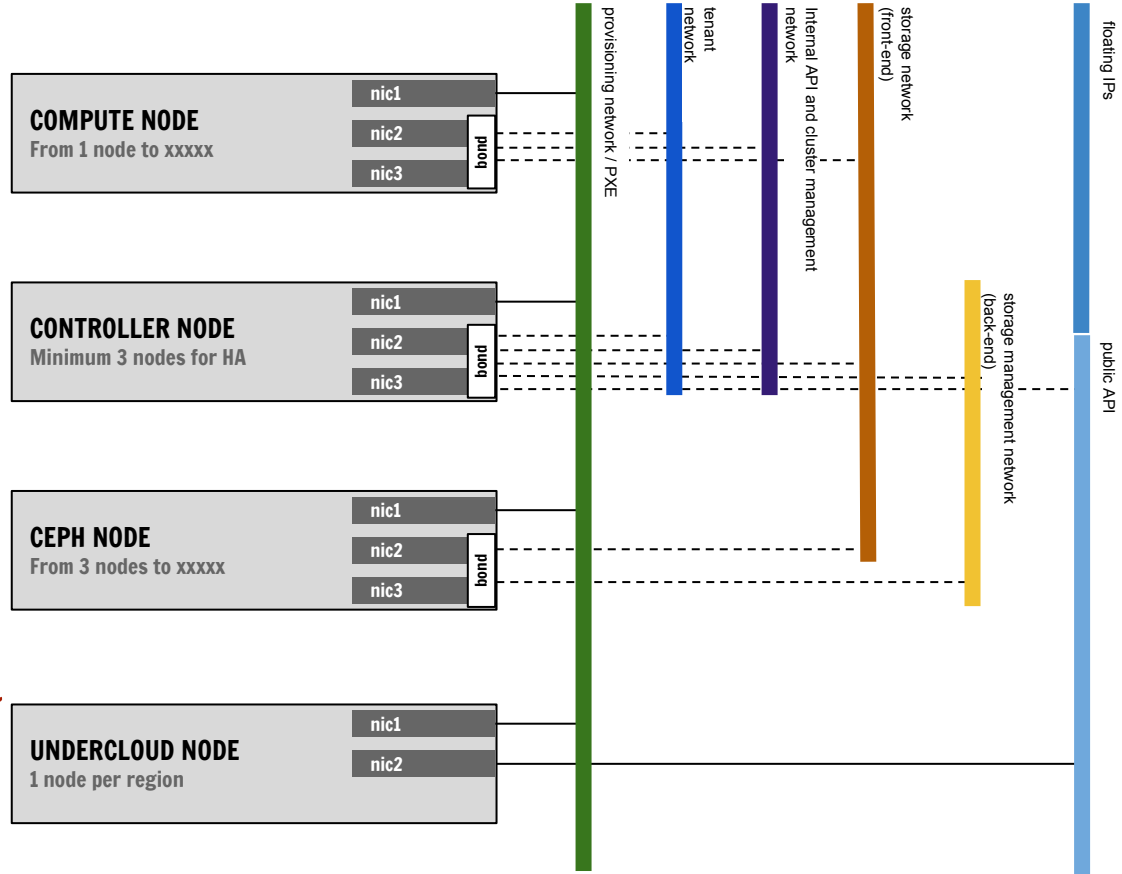
*The following network architectures
are **not** best practices*

** but very common to get started with Openstack :-)*



openstack reference architecture

Great for production but
complex for a laptop, lab or
a few test nodes!

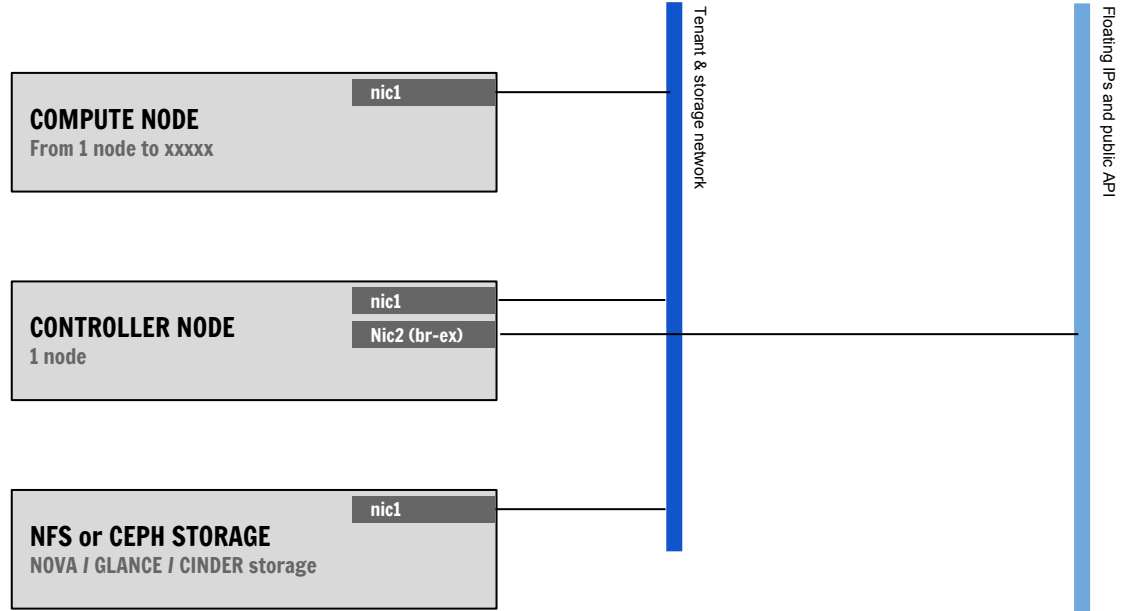




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Lab architecture

Scenario 1:
basic tenant networking

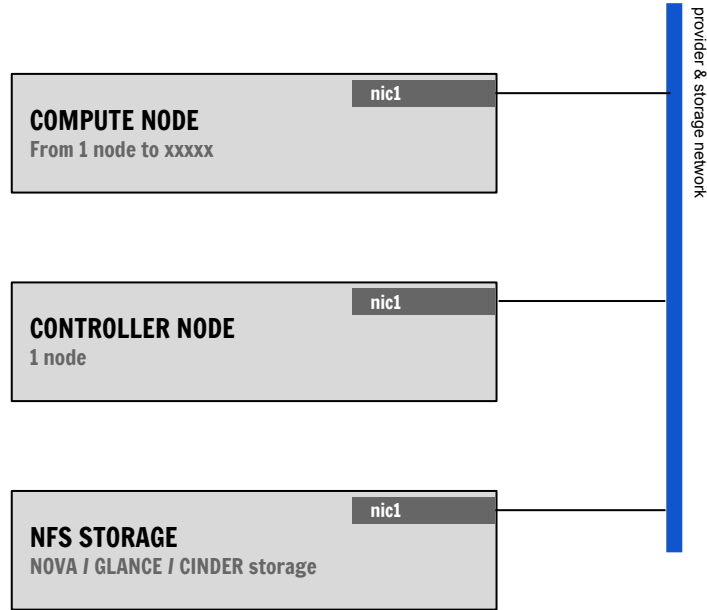




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Lab architecture

Scenario 2:
provider networks



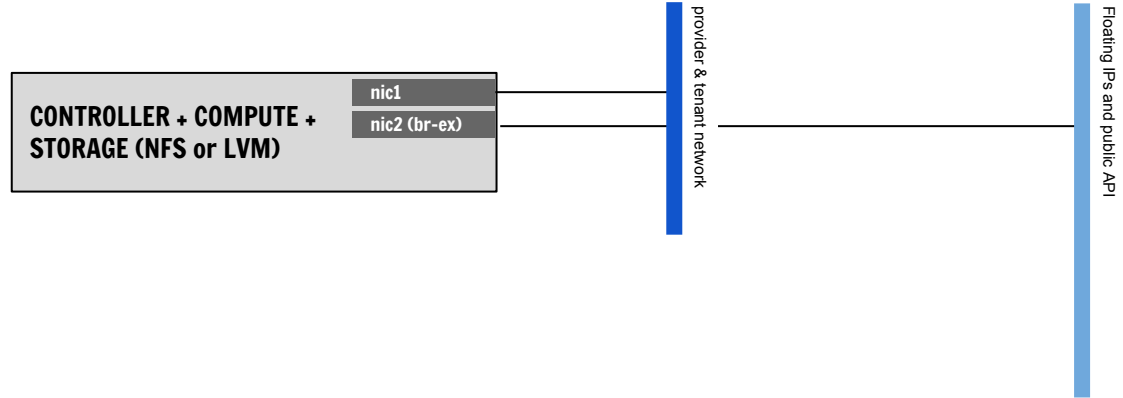
```
# /etc/neutron/dhcp_agent.ini  
  
enable_isolated_metadata=true  
enable_metadata_network=true
```



openstack

Lab architecture

Scenario 3:
All-in-one + tenant network



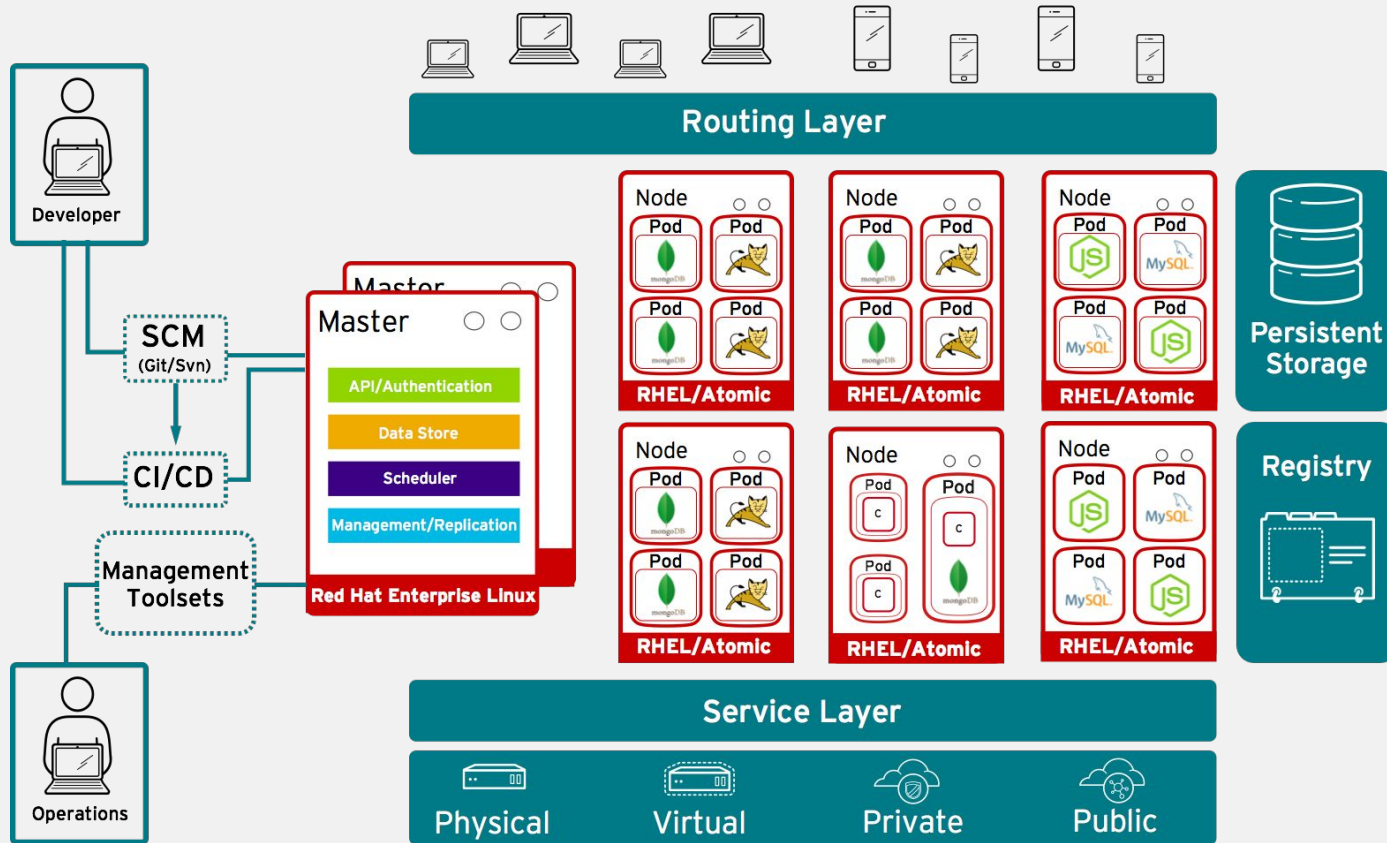
Packstack installation

instructions at

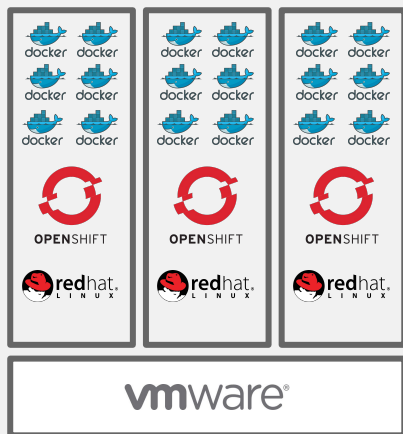
www.marcoberube.com

Orchestrating containers

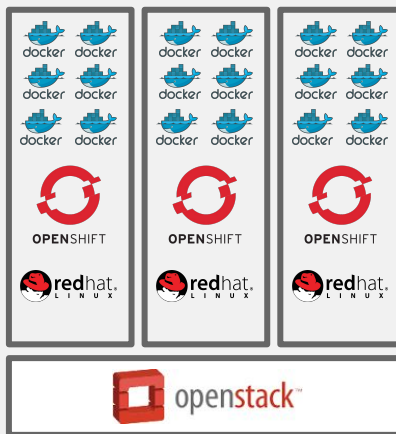
Openshift high-level architecture



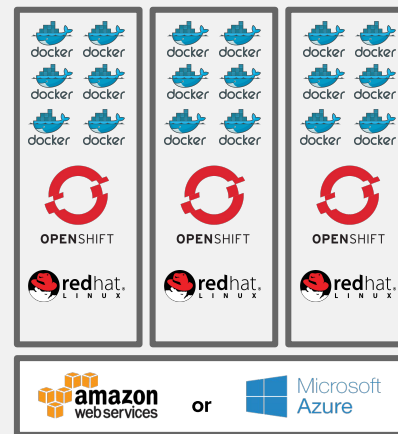
Red Hat Open Hybrid Cloud



Traditional Virtualization



Private Cloud

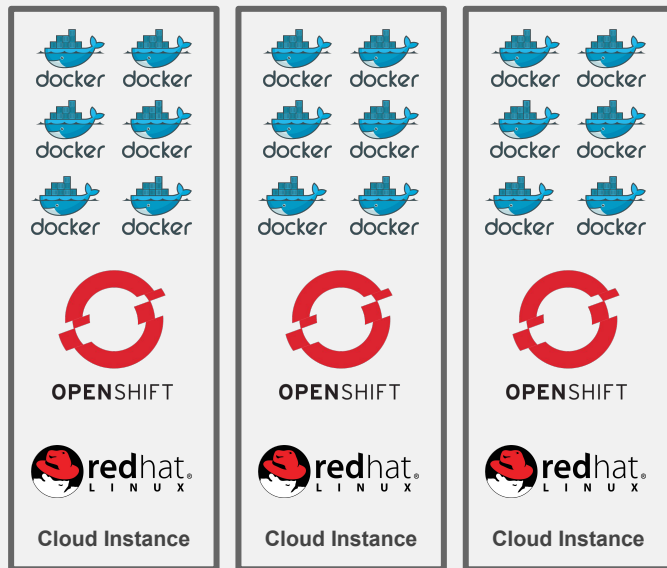


Public Cloud

Leveraging Openstack IaaS capabilities

Network and Storage orchestration

PaaS



IaaS





THANK YOU



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