

RHCSA for Red Hat OpenStack: Using OpenStack (Compute and Network Services)



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Opinions About OpenStack

“OpenStack is the future”

Linux.com, “5 Open Source Technology Trends for 2018”

**“OpenStack revenue to hit \$6bn by 2021
as user confidence in open source cloud grows”**

computerweekly.com headline, Nov 2017

A broad consensus underscores the need for more OpenStack training. According to [LinkedIn](#), Cloud Computing was the hottest global skill of 2015. Compensation for cloud experts is up 4.8% percent in 2016, according to [Computerworld's 2016 IT Salary Survey](#). And, according to [Indeed](#), the number of OpenStack job listings doubled in 2015.

Openstack.org announcement of Certified OpenStack Administrator certificate



RHCSA for OpenStack



Red Hat Certified System Administrator (RHCSA) in Red Hat OpenStack

Who are you?

- RHCSA-certified
- Planning to move beyond Linux

or

- RHCE-certified
- Planning to become an RHCA (Red Hat Certified Architect)



The RHCSA/OpenStack Exam

EX210

Part 1: Use OpenStack

Use the GUI and the command line

Launch and configure instances

Manage Networking

Manage Block and Object storage

Orchestrate a multi-instance application

Part 2: Operate OpenStack

Manage users, projects, flavors, roles

Set quotas

Manage and customize images

Configure Networking

Configure Block storage

Live-migrate instances

Part 3: The Director

Deploy and configure OpenStack with Director

Deploy additional nodes

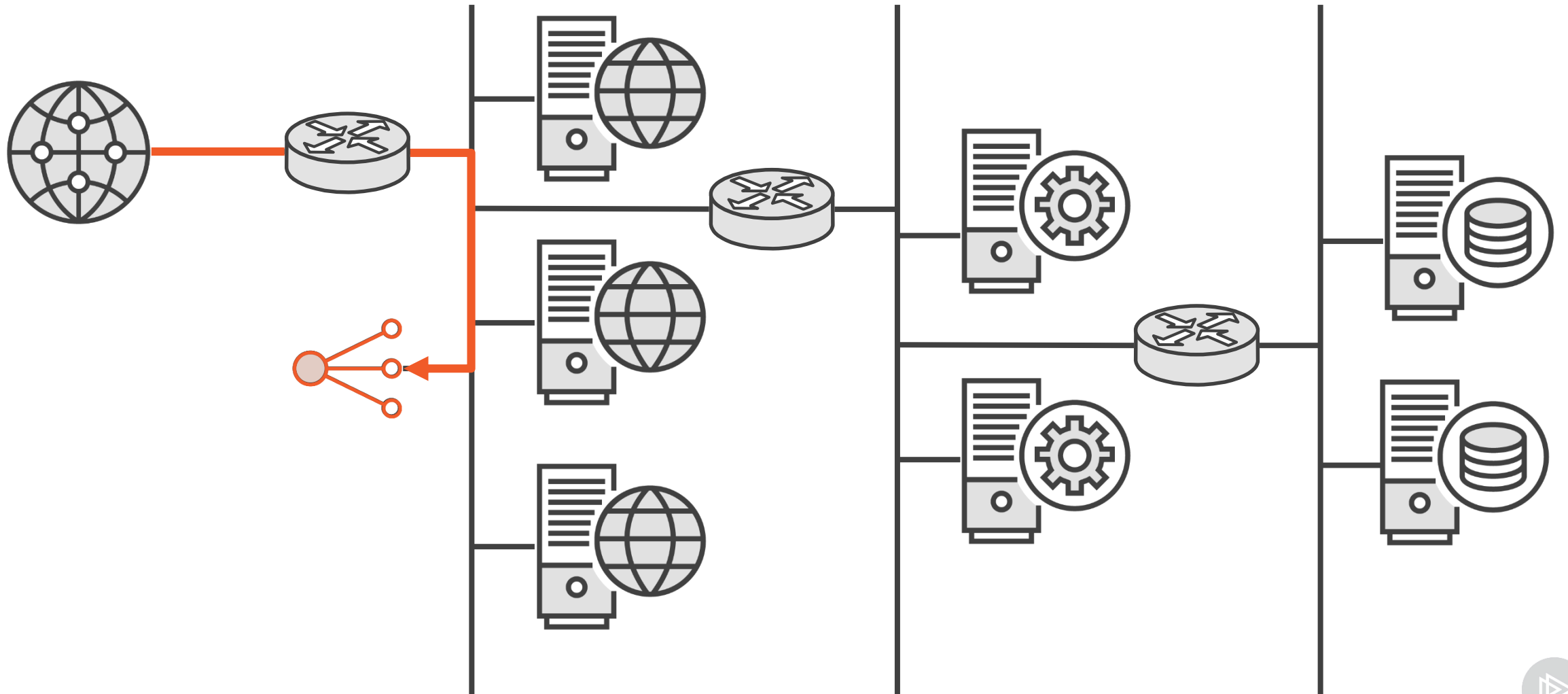
Monitor OpenStack services

Manage and use message queues

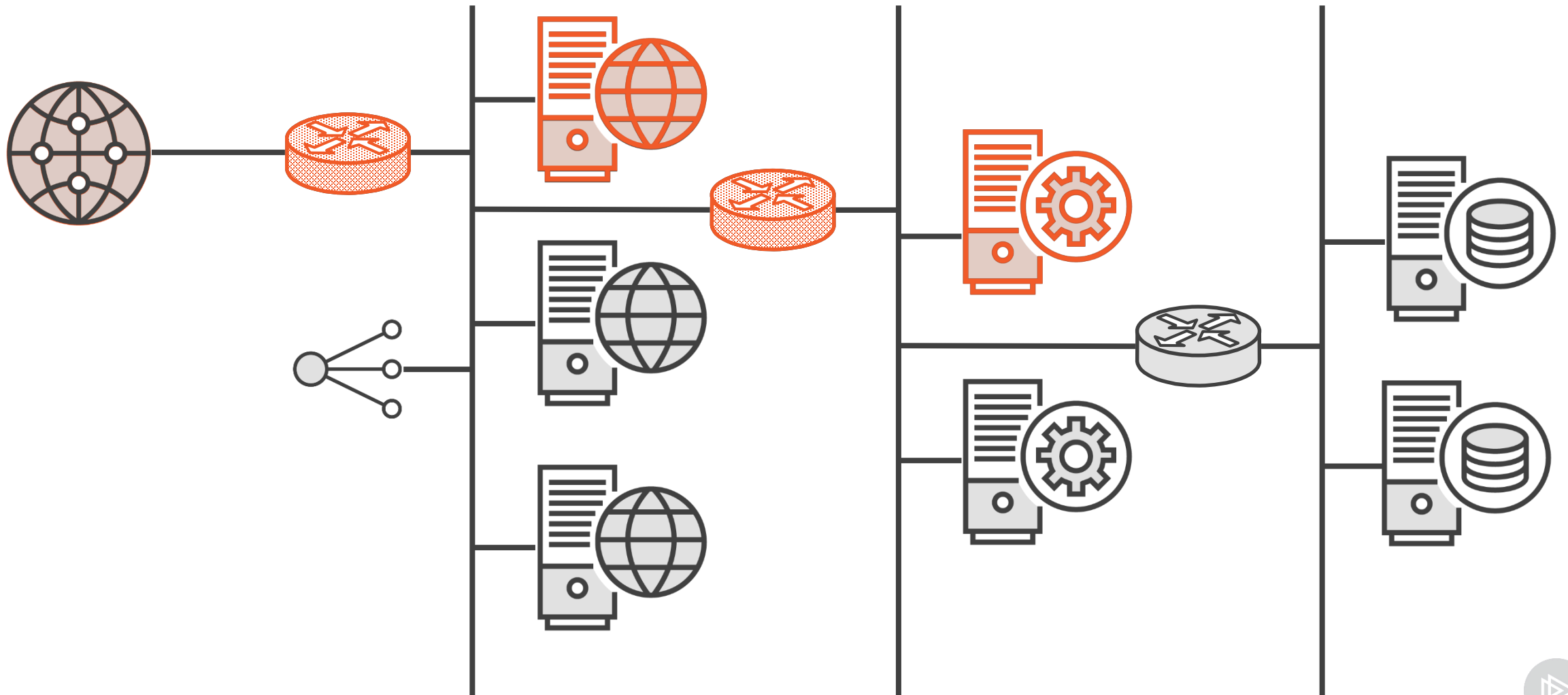
Orchestrate OpenStack services



Multi-tiered applications



Multi-tiered applications



Demo



Typical components
of a typical OpenStack cloud



Summary

