OpenStack: Nova and Neutron

VIRTUAL MACHINES AND NETWORKING IN OPENSTACK

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Objectives

Introduce course contents

Nova – Compute service

Neutron – Networking service

Orchestration with Heat

Troubleshooting

Fresh Install

From the Exam Requirements

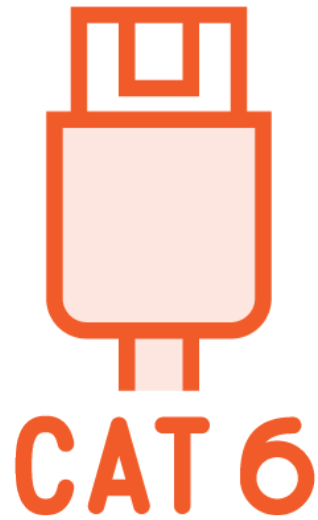**Compute – Nova (15%)**

Manage flavors

Manage instances

Add floating IP

Configure security group rules
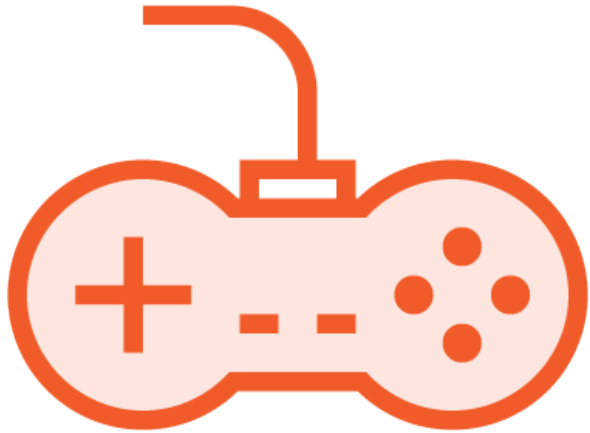
Host consoles

Snapshot instances

Manage quotas

Networking - Neutron (16%)

- Manage network resources, including networks, subnets, routers
- Manage quotas
- Security group rules
- Troubleshoot networking

Orchestration - Heat (8%)

Launch a stack from a template
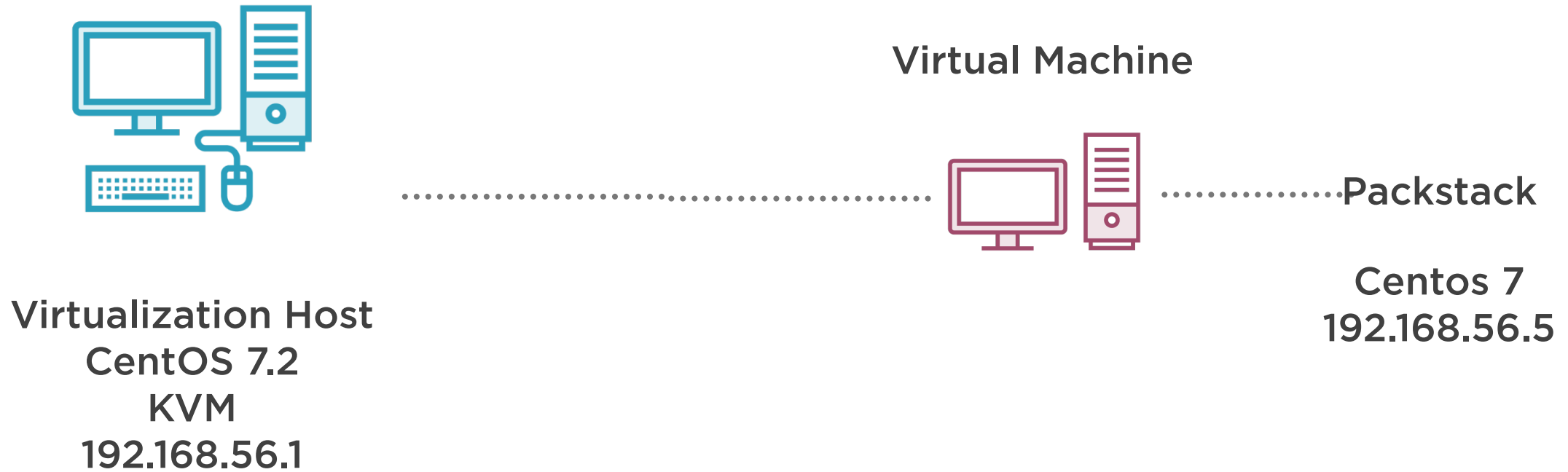
Create templates

Update stacks

Troubleshooting (13%)

    Analyze logs

    Backup databases

    Analyze components

Lab Environment (Single Node)

Virtual Machine

.... **Packstack**

Virtualization Host
CentOS 7.2
KVM
192.168.56.1

Centos 7
192.168.56.5

Highlights

This final course can be a stand-alone module and looks at the main OpenStack components of Nova and Neutron

We also look at Orchestration with Heat and troubleshooting OpenStack

Next up: Installing
OpenStack using PackStack