LFCE: Advanced Linux Networking

INTRODUCTION AND LAB SETUP

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Course Overview

- Network Topologies and the OSI Model

- Internet Protocol –
  Addressing and Subnetting Fundamentals

- Internet Protocol –
  ARP and DNS Fundamentals

- Internet Protocol - Routing Packets

- Routing Packets with Linux

- Investigating TCP Internals

- Troubleshooting Network Issues

Module Overview

Introduction

What is the Linux Foundation?

What is the Linux Foundation Certified Engineer?

What is the Redhat Certified Engineer?

Lab Environment

Linux Foundation

Non-profit

Independent

Community Oriented

Not bound to one distribution

Linux Foundation Certified Engineer

Engineer level certification

Wider range, greater depth of skills

Going to focus on why and how

Not bound to one distribution

Redhat Certified Engineer

We're going to use CentOS 7.2
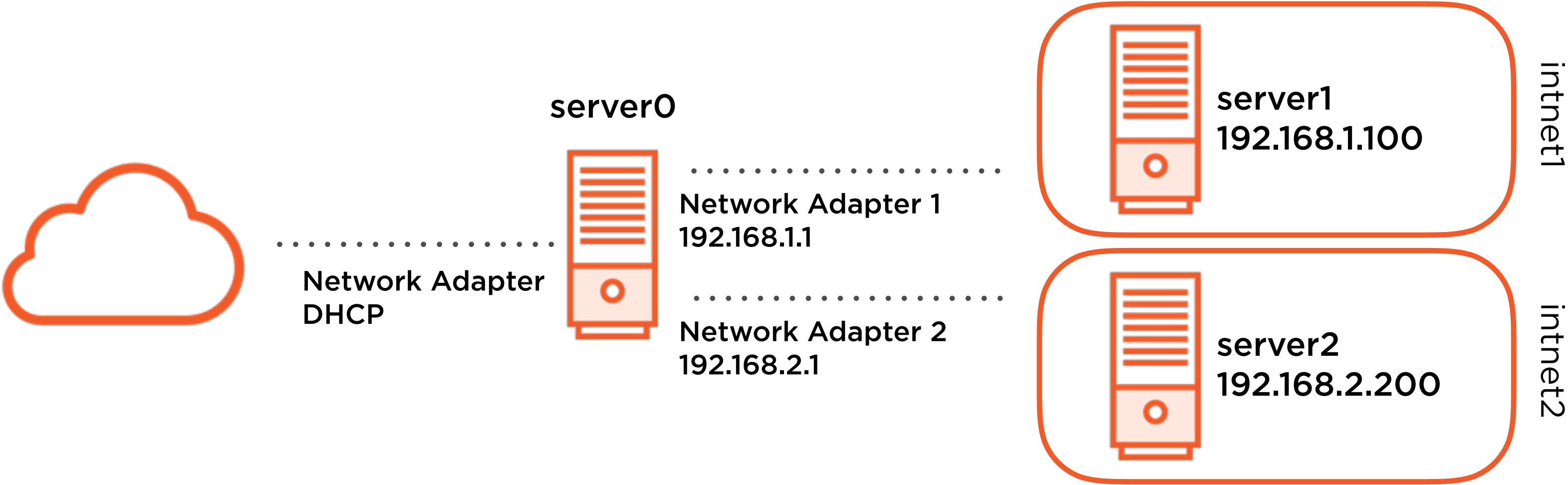
LFCE and RHCE overlap

Senior level administrator skills

Lab Environment

server0

server1
192.168.1.100

intnet1

Network Adapter
DHCP

Network Adapter 1
192.168.1.1

Network Adapter 2
192.168.2.1

server2
192.168.2.200

intnet2

Demo

Lab Environment

Virtual Networking

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Lab Environment

What's Next!

Network Topologies and the OSI Model