VMware vSphere 4.x/5.x to vSphere 5.5 Upgrade & New Technology Ult. Bootcamp

Modality: On Demand

Duration: 6 Hours

About this course:

VMware vSphere is a server virtualization platform from VMware. VMware vSphere debuted in 2009 as the successor to the company's flagship VMware Infrastructure solution, and it serves as a complete platform for implementing and managing virtual machine (VM) infrastructure on a large scale. As for this advanced level course , it covers everything students need to know about the VMware vSphere 4.x/5.x to vSphere 5.5 Upgrade and New Technology Ultimate Bootcamp. Students will learn about vSphere 5.1 & 5.5, upgrading or migrating to vSphere 5.5, virtual machine enhancements, managing vSphere 5.x administration, networking, storage, availability, and security enhancements. The students will learn the different options to perform the upgrade to vSphere 5.5 from different vSphere versions including 4.1, 5.0, 5.1 and then, after upgrading vCenter, will upgrade their ESXi host and Virtual Machines to version 5.5. Finally, students will cover all of the new features in vSphere 5.5.

The average salary for a Vmware Administrator is **$79,168** per year.

Course Objective:

After completing this course, students will be able to:

- List and describe key enhancements in vSphere 5.1 and 5.5
- Complete discussion of Single Sign On server (SSO)
- Upgrade a deployment from vSphere 4.1 to vSphere 5.5
- Use the VMware vSphere® Web Client to manage vSphere 5.5
- List and describe key networking enhancements, including the new features in vSphere Distributed Switch (vDS)
- Upgrade and manage a VMware vSphere® VMFS-5 datastore
- Understand and configure policy-driven storage
- Create a datastore cluster and configure Storage DRS
- Live migration of a virtual machine without shared storage
- Utilizing Flash Read Cache to enhance Virtual Machine performance
- Secure the virtual machines using VMware® vShield Endpoint™ (now included in base vSphere product)
- Backup and recover a vSphere environment using the new vSphere Data Protection
- Replicate virtual machines using the new vSphere Replication
- Use new displays to monitor VMware vSphere® High Availability cluster activity
- Linux-based VMware® vCenter™ Server Appliance™ & SSO
- Discuss new features of Auto Deploy to install a stateless or stateful ESXi host
- Provide Traffic Filtering through use of ACLs for Network Traffic
- And many, many other new features and enhancements

Audience:

This course is intended for:

- VMware administrator

Prerequisites:

- Students should have 1-3 year experience as a VMware vSphere administrator using VMware vSphere 4.x/5.x, be familiar with virtual technologies and have sat a VMware vSphere training program, or VMTraining vSphere Ultimate Bootcamp, or equivalent within the last year. Students MUST know the vSphere 4.x product line or they will need to have taken one of the other full vSphere 4.x classes instead.

Course Outline:

Here is the course outline for this course:

- Course Introduction
- Module 00 - Course
- Module 01 - Types of Security Threats
- Module 02 - Social Engineering
- Module 03 - Identity Theft
- Module 04 - Data Classification
- Module 05 - Protecting Your Digital Information
- Module 06 - Malware
- Module 07 - Security from End-to-End
- Module 08 - Piracy
- Module 09 - Security Policies
- Module 10 - Moving Forward
- Course Closure