

Ultimate Bootcamp®

"Where Great IT Professionals Go For Great Training"

www.UltimateBootcamp.net

vSphere 4.x to vSphere 5.0 Upgrade and New Technology

From September to February...

SEPTEMBER
19

FEBRUARY
29

**Upgrade Your
VCP4 to VCP5
in a 2 Day Course!**

**Our online classes are guaranteed to run
from September to February.**

For a limited time, VMware will not require you to sit their course to upgrade from VCP4 to VCP5.

Course Summary

In this 2 day upgrade course we cover everything the student needs to know to upgrade from VMware vSphere 4.x to VMware's new vSphere 5.0 product. This class qualifies for the VCP5 certification until February 29th, 2012. At such time VMware will require all upgraders to sit their What's New class. Students will perform the actual upgrade using hands-on-labs in our state of the art data center, then once that objective is achieved they will be exposed to all the new features of the product, to include third party solutions and lessons learned in the field.

Perform a REAL Upgrade the First Day!

The key difference between this class and VMware's What's New class is that in this class the student will actually perform a real upgrade to start off the class. The servers are preloaded with VMware ESXi 4.1 Update 1 and vCenter 4.1 Update 1. The students will look at the different options to perform the upgrade to vSphere 5.0 and then actually upgrade both vCenter and ESXi. After this, they will then cover all of the new features included with vSphere 5.

Prerequisite

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 Objectives

This class is 50% labs 50% lecture. No stone will be left unturned and students already familiar with VMware's vSphere 4.x products will gain valuable insight into the new 5.0 product and how to maintain a virtual infrastructure, including:

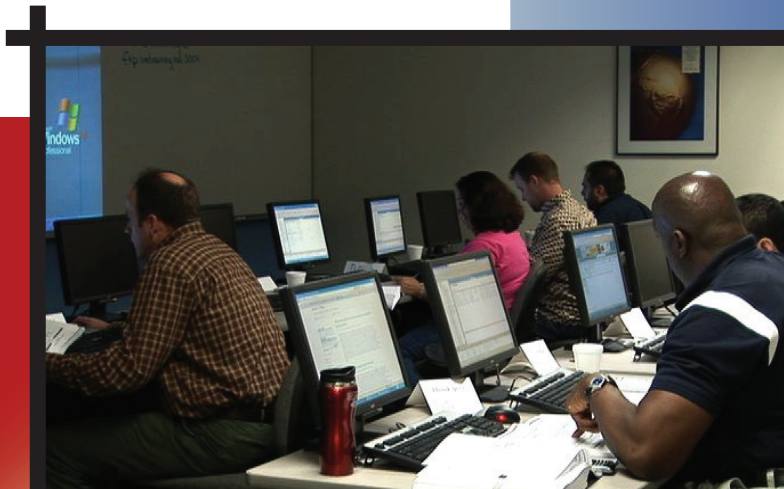
- Creating Custom builds of ESXi including adding custom drivers
- Upgrading to ESXi 5 using the vihostupdate.pl and VMware Update Manager
- Using Network I/O controls on vNetwork Distributed switches to throttle virtual to physical network traffic
- Using the new features of VMware Storage VMotion with snapshots
- The benefits and usage of Profile Driven Storage using vPods
- Designing and using Storage DRS infrastructure using storage clusters
- GUI based multipathing in VMware's Pluggable Storage Architecture (PSA)
- Virtual Machine sustained availability using VMware Fault Tolerance
- Manage multiple vCenter Servers using vCenter Server Linked Mode
- New and improved features and benefits of ESXi host configuration using Host Profiles
- Reduce time and effort of host provisioning using VMware Auto Deploy
- Learn about the benefits included with the new VAAI primitives in vSphere 5.0
- Use the new vCenter Web Interface
- And many, many other new features and enhancements

vSPHERE 5.0 UPGRADE

Learn All the New Features of vSphere 5.0

Get VCP5 / CVE5 Exam Prep including a VCP5 Exam Voucher Or CVE5 Exam Voucher!

**Call Ultimate Bootcamp Today!
1-877-484-1182**





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Course Outline

(HOL = Hands-on Lab)

Chapter 1: Overview of vSphere 5.0

- Covers vSphere 4 new features and enhanced functionality

Chapter 2: Upgrade or migrate to vSphere 5.0

- Covers all of the ways to migrate, or upgrade your complete Virtual Environment to vSphere 5.0
 - o HOL – Upgrade vCenter from 4.1 U1 to 5.0
 - o HOL – Upgrade VMware Update Manager
 - o HOL – Upgrade ESXi 4.1U1 to ESXi 5
 - o HOL – Upgrade Virtual Machines (VMware Tools, Hardware Version 7 to 8)

Chapter 3: Managing the vSphere Administration

- Covers new Administration features (vCenter Appliance, vSphere 5 Web management, esxcli, localcli) for better monitoring and management of ESX/ESXi hosts and VMs; Host deployment enhancements (Image Builder, Auto Deploy Server); new Update Manager features
 - o HOL – vSphere 5 Web Management Interface

Chapter 4: Networking

- Covers new networking features of vSphere 5 to including Network Monitoring and Troubleshooting (NetFlow, Port Mirror), Management and Configuration (LLDP), Network I/O Control Enhancements or NIOC (User defined Resource Pools, vSphere Replication Traffic, IEEE 802.1P tagging)
 - o HOL – vNetwork Distributed Switch User Defined Resource Pools

Upgrade Your VCP4 to VCP5 in 2 DAYS!

Chapter 5: Storage

- Covers new storage features for better performance, reduced storage costs, and lower management overhead (VMFS-5, Datastore Clusters, Storage Awareness and Profile Driven Storage, VAAI Acceleration for NFS, Software FCoE, Storage DRS, VMware Storage Appliance (VSA), SSD handling, new Storage I/O Control)
 - o HOL – Implementing VMFS-5
 - o HOL – Storage Cluster and Storage DRS

Chapter 6: Availability

- Covers VMware High Availability (HA) enhancements with new DPM features and Master/Slave nodes, VMware's new Fault Tolerance features, new vCenter Server heartbeat
 - o HOL – HA Cluster and setup Heartbeat Datastores

Chapter 7: Security Enhancements

- Covers the new Security Enhancements of vSphere 4 to include ESXi 5 Firewall and AD Integration, intro to vShield 5
 - o HOL – Implementing ESXi 5 Firewall
 - o HOL – ESXi 5 AD Integration



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Schedule

This course is an Ultimate Bootcamp!

Class hours: 8AM to 6PM

Online Only =  Instructor Led Training =  Online Guaranteed to Run = 

2011 2012

SEPTEMBER							2011	
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