

Catch The VMTrain!

VMware VI3.5 Ultimate Bootcamp® and Official Certified Virtualization Expert™ (CVE™)

**HOL – A Hands-on Lab is provided for students on this chapter.*

Course Outline

Chapter 1

Course Intro & Methodology *HOL

Chapter 2

Virtualization Overview

Chapter 3

Planning & Installing ESX

1. ESX Server Install *HOL
2. ESX Architecture and Boot process *HOL
3. Planning ESX Server Deployment

Chapter 4

Using Tools to Administer a VMware Environment *HOL

Chapter 5

Patching and Upgrading ESX

1. Patching ESX Server *HOL
2. Upgrades and Migrations *HOL
3. VI3 Deployment Guidelines
4. Configuring Hostname Resolution & NTP *HOL
5. Troubleshooting ESX Server

Chapter 6

Configuring Networking

1. Create & Modify Virtual Networks *HOL
2. Create & Modify Virtual Networks using CLI *HOL

Chapter 7

Configuring Storage

1. iSCSI Storage (GUI & Command Line) *HOL
2. Fibre Channel Storage (GUI & Command Line)
3. VMFS Datastores (GUI & Command Line) *HOL
4. NAS Storage and NFS Datastores (GUI & Command Line) *HOL
5. Raw Device Mapping (RDM) *HOL
6. Storage Comparisons

Chapter 8

VirtualCenter and License Server

1. Licensing *HOL
2. VirtualCenter Installation *HOL
3. VirtualCenter Inventory *HOL
4. Managing VirtualCenter
5. Planning VirtualCenter Deployment
6. Troubleshooting VirtualCenter, License, and Database

Chapter 9

VM Creation and Configuration & Snapshots

1. Create a VM *HOL
2. Create Multiple VMs *HOL
3. Physical to Virtual Conversions *HOL
4. Manage VMs *HOL
5. Virtual Machine Startup / Shutdown *HOL
6. Virtual Machine Snapshots *HOL
7. Web Access *HOL
8. Troubleshooting Virtual Machines

Chapter 10

Security and Permissions

1. Security Overview *HOL
2. User Access *HOL
3. ESX AD Integration *HOL
4. Managing Firewalls *HOL
5. SSH Access *HOL
6. Configuring Sudo *HOL

Chapter 11

Advanced ESX and VirtualCenter Management

1. Configuring Resource Pools *HOL
2. Configuring VMotion *HOL
3. Storage vMotion *HOL
4. Distributed Resource Scheduler (DRS) *HOL
4. Resource Pools in DRS Clusters *HOL
5. Update Manager *HOL
6. Storage VMotion *HOL

Chapter 12

Disaster Recovery and Backup

1. Site Recovery Manager (SRM)
2. High Availability (HA) *HOL
3. Microsoft Clustering
4. Backup Strategies
5. Using VCB Command Line Utilities *HOL
6. Third Party Backups *HOL

Chapter 13

Server and VM Monitoring

1. Tools for Optimization
2. Monitor VM Performance *HOL
3. Configuring Alarms *HOL
4. Collecting Log Files *HOL

Chapter 14

Installing and Configuring ESXi

1. ESXi Server Install *HOL
2. Managing ESXi with the VIC *HOL
3. Managing ESXi through VirtualCenter *HOL

Chapter 15

Deploying and Managing vSphere4 and ESX 4

1. ESX 4 / vSphere 4 Overview
2. ESX 4 Installation / Upgrade *HOL
3. vSphere Management

