



VMware vSphere -What's New

INTRODUCTION

V5

This exciting, hands-on, lab intensive course covers new items added to VMware's newest version of the infrastructure product suite, vSphere. Students will have a full day covering the new features of ESXi 5 with vCenter 5. This two day packed course has students build ESX/ESXi, build vCenter (looking closely at the new installs), build VM's and new VM features, as well as learn more advanced features with clustering and command line options. Our "What's New vSphere" course is intended for students with significant production experience in the Infrastructure 3 / vSphere product suite. It is our intention to take your existing knowledge base and expand upon that.

CLASSROOM SETUP

Each student will have an ESXi Server and a Windows Server 2008 workstation. Our classroom lab will share a cluster of ESXi Servers, a variety of different Storage solutions (SAN, NAS, ISCSI, local, etc.) as needed, a vCenter Server, a variety of 3rd party tools and access to many pre-configured VM's (Microsoft, Novell, Red Hat, Ubuntu ...etc).

PRE-REQUISITES

- ESX Server familiarity
- VirtualCenter/vCenter usage
- VirtualCenter/vCenter administration
- Excellent familiarity with Windows
- Some familiarity with Linux

MAJOR AREAS COVERED

ESX/ESXi Server 5**vCenter 5****VM Hardware v8****ESXi Install****Infrastructure services****vSphere Host convergence****vSphere Auto Deploy****Apple Product Support****New Licensing****vSphere Storage DRS****Profile Driven Storage****VMFS 5****Storage I/O Control****Core Management Services****CLI 5 Components****Portgroups under ESXi5****ISCSI configuration**



COURSE OUTLINE

This course covers items from the following VMware courses.

vSphere - What's New

1) What's New - vSphere Evolution

- a) ESX/ESXi versions and history
- b) vCenter version and history
- c) ESX/ESXi builds

2) Installation of ESX 5

- a) ESX HCL
- b) ESX install
- c) USB install

3) Infrastructure Services

- a) Compute
- b) Storage
- c) Network

4) Application Services

- a) Availability
 - i) vSphere High Availability
 - ii) vSphere vMotion
- b) Security
 - i) ESXi Firewall
- c) Scalability

5) Management Services

- a) Core Management
 - i) vSphere Web Client
 - ii) vSphere vCenter Server Appliance

6) vSphere 5 CLI Components

- a) esxcfg commands
- b) vicfg commands
- c) management commands



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- 7) VMkernel and iSCSI Adapter Binding
 - a) vSwitch to Adapter Binding Configuration

- 8) vCenter 5 Requirements and Installation

- 9) vSphere 5 Editions and Licensing
 - a) small to mid company licensing
 - b) enterprise company licensing
 - c) licensing module
 - i) vRam assignment