

VMware vSphere: Install, Configure, Administer [V5.1] Course Modules

	ESXi Server Administration Basics		DRS Configuration and Administration
	<ul style="list-style-type: none"> • Introduction • Installing ESXi Server 5.x • Installing the Virtual Infrastructure Client • Connecting to the ESXi Server • ESXi Server Licensing • Resource Pools • Creating a Virtual Machine • Options for Putting an Operating System on a Virtual Machine • Booting from a Client CD ROM • Configuring SSH on the ESXi Server for Root Access • Copying an ISO file to an ESXi Server • Booting from an ISO Image 		<ul style="list-style-type: none"> • Enabling DRS • Automation Level and Migration Threshold • Creating a DRS Rule • Setting DRS Automation at the Virtual Machine Level Part 1 • Setting DRS Automation at the Virtual Machine Level Part 2 • DRS Start Up Recommendations • Viewing DRS Migration Recommendations
	Snapshots		Resource Pools
	<ul style="list-style-type: none"> • Taking a Snapshot of a Virtual Machine • Reverting Back to a Snapshot • Process Tree Snapshots 		<ul style="list-style-type: none"> • Creating a Resource Pool • Specifying Virtual Machine Resource Reservation and Limits • Adding a Virtual Machine to a Resource Pool • Monitoring a Resource Pool Utilizations
	Administering and Changing Virtual Machines		HA (High Availability) Configuration and Administration
	<ul style="list-style-type: none"> • Installing VMWare Tools • Increasing Memory on a Virtual Machine • Adding a Disk to a Virtual Machine • Removing a Disk from a Virtual Machine • Adding a Network Adapter • Adding a CD ROM Drive • Deleting a Virtual Machine 		<ul style="list-style-type: none"> • Enabling HA • Host Failure Threshold and Admission Control <p>Restart Priority and Isolation</p>
	Configuring the ESXi Server		Trouble Shooting
	<ul style="list-style-type: none"> • Configuring Physical and Logical Processors • Configuring Memory Option • Viewing DataStores • Adding and Extending DataStores • Network Configuration Overview • Adding a Virtual Switch • Advanced Virtual Switch Configuration Options • Storage and Network Adapters • License Configuration • Configuring DNS and Routing • Configuring a Virtual Machine for Auto Startup/Shutdown • Security and Firewall Settings 		<ul style="list-style-type: none"> • Viewing Events • Critical Alarms

	<ul style="list-style-type: none"> ESXi Server Resources 		
	Advanced Host Settings		
	Administering Permissions, Users, Groups, and Roles		vCenter 5 Administration Training Virtual Center (vCenter)
	<ul style="list-style-type: none"> Roles Explained Creating Roles Assinging Permissions to an Object in Inventory ESXI Server Permissions Vs. Virtual Center Permissions 		<ul style="list-style-type: none"> Installing Virtual Center Connecting to Virtual Center Adding a DataCenter Creating a Cluster Configuring Hosts to Use a License Server Adding Hosts to a Cluster Virtual Center Tour
	Scheduled Tasks		Migrating Virtual Machines
	<ul style="list-style-type: none"> Scheduled Tasks Creating a Scheduled Task to Power On a Virtual Machine Creating a Scheduled Task to Take a Snapshot of a Virtual Machine 		<ul style="list-style-type: none"> Virtual Machine Migration Advanced Migration
	Monitoring ESXI Servers		Virtual Machine Templates
	<ul style="list-style-type: none"> Viewing Performance Charts Exporting Performance Charts Configuring Performance Counter Collection Viewing Active Sessions Configuring the Virtual Center Server to Send Email Configuring an Alarm to Send Email Creating Alarms Configuring SNMP Viewing vCentre Log 		<ul style="list-style-type: none"> Cloning a Virtual Machine to a Template Converting a Virtual Machine Directly to a Template Copying a Template Converting a Template to a Virtual Machine Installing Sysprep on Virtual Center Server Deploying a VM from a Template and Customizing the Guest
	Viewing VirtualCentre Maps		Customizing guest OS with Custom Specs
	Setting Up the Environment		Customizing Virtual Machines with Sysprep
	<ul style="list-style-type: none"> Introduction Architecture and Hardware Compatibility How ESXI Connects to Storage Installing ESXI and a Host Bus Adapter Creating a Cluster in Virtual Center Adding ESXI Hosts to a Virtual Center Cluster Licensing an ESXI Host for vMotion Creating a Shared DataStore 		<ul style="list-style-type: none"> Installing Sysprep On VirtualCenter Cloning VM and Customizing Guest OS
	VMotion Configuration and Administration		VMWare Converter
	<ul style="list-style-type: none"> Create the VMKernel Network and Enable VMotion Create a Virtual Machine on the Shared DataStore Migrating a Virtual Machine with VMotion 		<ul style="list-style-type: none"> Introduction (Physical to Virtual Conversion) Local Hot Clone with Reconfig Remote Hot Clone Install-less Mode Cold Clone
	<ul style="list-style-type: none"> Configure SSL Policy Put ESXi in Maintenance Mode Using USB with Virtual VM Direct Path 		

	<ul style="list-style-type: none"> • Download Vsphere Management Assitant • Importing VMA • Using Vsphere Management Assistant • Use VI Fast Pass • Local Vs Shared Storage • Using ESX cfgscsidevs • Port Groups Vswitches • Enable IPv6 On ESXi • Give Service Console VMKernel IPv6 • Enabling And Using CDP • Best Practices Networking • Configure Load Balance Policy Service Console • Multipathing iSCSI • Port Binding iSCSI same vswitch • Using Two vSwitches For Multipathing • Enabling Multipathing • Using ESXI CLI From Host • Confirming Multipathing (extended) • ConfiguringMultipathPolicy • Removing Multipathing • Configuring Jumbo Frames 		
	ADVANCED Optional Modules (optional day 4)		
	<ul style="list-style-type: none"> • Create vnetwork distributed switch • Create port group on dvswitch • Create service console on distributed • Migrate vm to distributed switch • Create private vlan • Cpu requirements fault tolerance • Configure cluster prerequisites • Turning on fault tolerance • Fault tolerance statistics • Disabling removing fault tolerance • Linked mode explained • Linking vcenters • Viewing and admin shared roles • Isolating vcenter • What is host profile • Creating host profile • Export import host profile • Editing host profile • Attach host profile check for compliance • Apply host profile • What is vapp • Create new vappadding 		<ul style="list-style-type: none"> • What is vmware data recovery • Data recovery deduplication and limits • Non-deduplication of older vms • Download vmware data recovery • Installing data recovery plugin • Installing data recovery appliance • Initial configuration of appliance • Connect and create backup destinations • Create backup job • View progress and reports • Configure data recovery after wizard • Restore vm • Restore rehearsal • What is vshield • Vshield installation • Configure port group for vshield manager • Initial vshield manager configuration • Create vshield • Enable continuous discovery

	<ul style="list-style-type: none"> • virtuals to vapps • Ip pools for vapps 		<ul style="list-style-type: none"> • Post install config • Protecting virtual machine • Create another vshield zone • Enable vmotion for protected vm • Vm flow • Adding firewall rule • Uninstalling vshield appliance • Create scheduled task