



Implementing and Managing VMWare Virtualization Solution

Total Duration: 10 Days

Day 1	Module 1: Introduction to VMware Virtualization (Vsphere) <ul style="list-style-type: none"> • Introduce virtualization and vSphere components • Explain the concepts of server, network, and storage virtualization • Describe where vSphere fits into the cloud architecture • Install and use vSphere user interfaces • Describe the ESXi architecture and configure various ESXi settings <ul style="list-style-type: none"> • With Demo Practicals 	
Day 2	Module 2: Creating Virtual Machines <ul style="list-style-type: none"> • Introduce virtual machines, virtual machine hardware, and virtual machine files • Deploy a single virtual machine <ul style="list-style-type: none"> • With Demo Practicals 	
Day 3	Module 3: VMware vCenter Server <ul style="list-style-type: none"> • Introduce vCenter Server architecture • Manage vCenter Server inventory objects and licenses <ul style="list-style-type: none"> • With Demo Practicals 	
Day 4	Module 4: Configuring and Managing Virtual Networks <ul style="list-style-type: none"> • Describe, create, and manage a standard virtual switch • Describe and modify standard virtual switch properties • Configure virtual switch loadbalancing algorithms <ul style="list-style-type: none"> • With Demo Practicals 	
Day 5	Module 5: Configuring and Managing Virtual Storage <ul style="list-style-type: none"> • Introduce storage protocols and device names • Configure ESXi with iSCSI & NFS • Create and manage VMware vSphere® VMFS datastores • Introduce VMware vSphere® Storage Appliance <ul style="list-style-type: none"> • With Demo Practicals 	
Day 6 & 7	Module 6: Virtual Machine Management <ul style="list-style-type: none"> • Use templates and cloning to deploy virtual machines • Modify and manage virtual machines • Create and manage virtual machine snapshots • Perform VMware vSphere vMotion® and vSphere Storage vMotion migrations • Create a vSphere vApp • Use VMware vCenter Converter™ Standalone to hotclone a system (P2V) <ul style="list-style-type: none"> • With Demo Practicals 	
Day 8	Module 7: Access and Authentication Control <ul style="list-style-type: none"> • Control user access through roles and permissions • Discuss ESXi host access and authentication • Integrate ESXi with Active Directory • Introduce VMware® vShield™ products <ul style="list-style-type: none"> • With Demo Practicals 	
Day 9 & 10	Module 8: Installing VMware Components <ul style="list-style-type: none"> • Introduce ESXi installation • Describe boot from SAN requirements • Describe vCenter Server hardware, software, and database requirements • Install vCenter Server (Windowsbased) • Introduce vCenter Server Appliance • Install and configure vCenter Server Appliance • Use Image Builder to create an ESXi installation image • Use Auto Deploy to deploy a stateless ESXi host <ul style="list-style-type: none"> • Tips and Troubleshooting 	