Eğitim Süresi: 5 gün

İçerik

Lesson 1: Course Introduction
Introductions and course logistics Course objectives
Lesson 2: Introduction to VMware Virtualization
Introduce virtualization, virtual machines, 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
Lesson 3: Create Virtual Machines
Introduce virtual machines, virtual machine hardware, and virtual machine files Deploy a single virtual machine
Lesson 4: VMware vCenter Server
Introduce vCenter Server architecture Introduce vCenter Server appliance Configure and manage vCenter Server appliance Manage vCenter Server inventory objects and licenses
Lesson 5: Configure and Manage Virtual Networks
Describe, create, and manage a standard virtual switch Describe and modify standard virtual switch properties Configure virtual switch load-balancing algorithms
Lesson 6: Configure and Manage Virtual Storage
Introduce storage protocols and device names Configure ESXi with iSCSI, NFS, and Fibre Channel storage Create and manage vSphere datastores Deploy and manage the VMware vSphere® Storage Appliance
Lesson 7: Virtual Machine Management
Deploy virtual machines using templates and cloning Modify and manage virtual machines Create and manage virtual machine snapshots Perform VMware vSphere® vMotion® and Storage vMotion migrations Create a vSphere vApp
Lesson 8: Data Protection
Discuss a strategy for backing up ESXi hosts and vCenter Server Introduce the VMware Data Recovery appliance Discuss solutions for backing up virtual machines efficiently
Lesson 9: Access and Authentication Control
Control user access through roles and permissions Configure and manage the ESXi firewall Configure ESXi lockdown mode Integrate ESXi with Active Directory Introduce VMware vShield Zones
Lesson 10: Resource Management and Monitoring
Introduce virtual CPU and memory concepts Describe methods for optimizing CPU and memory usage Configure and manage resource pools Monitor resource usage using vCenter Server performance graphs and alarms
Lesson 11: High Availability and Fault Tolerance
Introduce new vSphere High Availability (HA) architecture Configure and manage a vSphere High Availability cluster Introduce VMware Fault Tolerance
Lesson 12: Scalability
Configure and manage a VMware Distributed Resource Scheduler (DRS) cluster Configure Enhanced vMotion Compatibility Use vSphere HA and DRS together
Lesson 13: Patch Management
Manage ESXi patching using vCenter Update Manager Install Update Manager and Update Manager plug-in Create patch baselines Scan and remediate hosts
Lesson 14: Installing VMware Components
Introduce ESXi installation Describe boot from SAN requirements Introduce vCenter Server deployment options Describe vCenter Server hardware, software, and database requirements Install vCenter Server (Windows based