Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

9201 Dry Creek Rd. Centennial, CO 80112, United States

Email: arrow_learning@arrow.com
Phone: 303 790 2330

VMware vSphere: Install Configure Manage [V5.5] - On Demand

CODE:	LENGTH:	PRICE:
VM-VS-ICM-55-EL	240 Hours	$3,595.00

Description

This hands-on training course explores installation, configuration, and management of VMware vSphereÂ®, which consists of VMware ESXiâ„¢ and VMwareÂ® vCenter Serverâ„¢. This course is based on versions of ESXi 5.5 and vCenter Server 5.5. Completion of this course satisfies the prerequisite for taking the VMwareÂ® Certified Professional 5 exam.

Students who complete this course can enroll in several more advanced vSphere courses. For advanced course options, go to http://www.vmware.com/education.

Objectives

By the end of the course, you should understand vSphere 5.5 functions and features and be able to meet the following objectives:

- Deploy an ESXi host
- Deploy a vCenter Server instance
- Deploy a vCenter Server appliance
- Manage an ESXi host using vCenter Server
- Manage ESXi storage using vCenter Server
- Manage ESXi networking using vCenter Server
- Manage virtual machines using vCenter Server
- Deploy and manage thin-provisioned virtual machines
- Migrate virtual machines with VMware vSphere® vMotion®
- Manage vSphere infrastructure with VMware vSphere® Web Client and VMware vSphere® Client™
- Migrate virtual machines using VMware vSphere® Storage vMotion®
- Manage access control using vCenter Server
- Monitor resource usage using vCenter Server
- Manage VMware vSphere® High Availability, VMware vSphere® Fault Tolerance, and VMware vSphere® Data Protection™ using vCenter Server
- Apply patches using VMware vSphere®Update Manager™

Audience

- System administrators
- Systems engineers
- Operators of ESXi and vCenter Server

Prerequisites

- System administration experience on Microsoft Windows or Linux operating systems.
- Understanding of concepts presented in the VMware Data Center Virtualization Fundamentals course for VCA-DCV certification.

Programme

1.Course Introduction
◦Introductions and course logistics
◦Course objectives

2.Virtualized Data Center
◦Introduce components of the virtualized data center
◦Describe where vSphere fits into the cloud architecture
◦Install and use vSphere Client

3.Creating Virtual Machines
◦Introduce virtual machines, virtual machine hardware, and virtual machine files
◦Deploy a single virtual machine

4.VMware vCenter Server
◦Introduce the vCenter Server architecture
◦Introduce VMware® vCenter™ Single Sign-On™
◦Install and use vSphere Web Client
◦Introduce VMware® vCenter™ Server Appliance™
◦Configure and manage vCenter Server Appliance
◦Manage vCenter Server inventory objects and licenses

5.Configuring and Managing Virtual Networks
◦Describe, create, and manage a standard switch
◦Describe and modify standard switch properties
◦Configure virtual switch load-balancing algorithms

6.Configuring and Managing 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 VMware® Virtual SAN™

7.Virtual Machine Management
◦Use templates and cloning to deploy virtual machines
◦Modify and manage virtual machines
◦Create and manage virtual machine snapshots
◦Perform vSphere vMotion and vSphere Storage vMotion migrations
◦Create a VMware vSphere® vApp™

8.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

9.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

10.High Availability and Fault Tolerance
◦Introduce the new vSphere High Availability architecture
◦Configure and manage a vSphere HA cluster
◦Introduce vSphere Fault Tolerance
◦Describe VMware vSphere® Replication

11.Scalability
◦Configure and manage a VMware vSphere® Distributed Resource Scheduler™ (DRS) cluster
◦Configure Enhanced vMotion Compatibility
◦Use vSphere HA and DRS together

12.Patch Management
◦Use vSphere Update Manager to manage ESXi patching
◦Install vSphere Update Manager and the vSphere Update Manager plug-in
◦Create patch baselines
◦Scan and remediate hosts

13.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)

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
17 Apr 2023			English	Self Paced Training		$3,495.00

Additional Information

This training is also available as onsite training. Please contact us to find out more.