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## VMware vSphere: Install, Configure, Manage

**Duration: 5 Days**    **Course Code: VSICM**    **Version: 6.5**

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### Overview:

This five-day course features intensive hands-on training that focuses on installing, configuring, and managing VMware vSphere® 6.5, which includes VMware ESXi™ 6.5 and VMware vCenter Server® 6.5. This course prepares you to administer a vSphere infrastructure for an organization of any size. It is the foundation for most other VMware technologies in the software-defined data center

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### Target Audience:

System administrators System engineer

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### Objectives:

- Describe the software-defined data center.
  - Explain the vSphere components and their function in the infrastructure.
  - Deploy an ESXi host.
  - Deploy VMware vCenter® Server Appliance™ .
  - Use a local content library as an ISO store and deploy a virtual machine.
  - Describe vCenter Server architecture.
  - Use vCenter Server to manage an ESXi host.
  - Configure and manage vSphere infrastructure with VMware vSphere® Client™ and VMware vSphere® Web Client.
  - Describe virtual networks with vSphere standard switches.
  - Configure standard switch policies.
  - Use vCenter Server to manage various types of host storage: VMware vSphere® VMFS, NFS, virtual SAN, Fibre Channel, and VMware Virtual SAN™
  - Manage virtual machines, templates, clones, and snapshots.
  - Create, clone, and export a vApp.
  - Describe and use the content library.
  - Migrate virtual machines with VMware vSphere® vMotion®.
  - Use VMware vSphere® Storage vMotion® to migrate virtual machine storage.
  - Monitor resource usage and manage resource pools.
  - Use esxtop to identify and solve performance issues. Discuss the VMware vSphere® High Availability cluster architecture.
  - Configure vSphere HA.
  - Manage vSphere HA and VMware vSphere® Fault Tolerance.
  - Use VMware vSphere® Replication™ and VMware vSphere® Data Protection™ to replicate virtual machines and perform data recovery.
  - Use VMware vSphere® Distributed Resource Scheduler™ clusters to improve host scalability.
  - Use VMware vSphere® Update Manager™ to apply patches and perform basic troubleshooting of ESXi hosts, virtual machines, and vCenter Server operations.
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### Prerequisites:

This course requires the following prerequisites:

- System administration experience on Microsoft Windows or Linux operating systems
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## Content:

- Course Introduction
  - Introduction to vSphere and the Software-Defined
  - Creating Virtual Machines
  - vCenter Server
  - Configuring and Managing Virtual Networks
  - Configuring and Managing Virtual Storage
  - Virtual Machine Management
  - Resource Management and Monitoring
  - vSphere HA and vSphere Fault Tolerance
  - Host Scalability
  - vSphere Update Manager and Host Maintenance
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## Further Information:

For More information, or to book your course, please call us on 353-1-814 8200

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