

Course Outline: VMware Infrastructure 3: Install and Configure V3.5

Learning Method: Instructor-led Classroom Learning

Duration: 4.00 Day(s)/ 32 hrs

Overview:

This 4-day hands-on course explores VMware Infrastructure 3, which consists of VMware ESX Server and VMware VirtualCenter, and has been updated to reflect version 3.5. Upon completion of this course, you can take the examination to become a VMware Certified Professional. Troubleshooting guidance, best practices and lab exercises are interspersed throughout the course.

Who Should Attend: System administrators, systems engineers, and operators responsible for ESX Server and/or VirtualCenter.

At Course Completion:

At the end of the course, you should gain an Understanding of the functionality in VMware Infrastructure 3 and be able to:

- Install ESX Server.
- Configure ESX Server networking and storage.
- Install and configure VirtualCenter.
- Control user access to the VMware infrastructure. Deploy and manage virtual machines using VirtualCenter.
- Allocate and monitor virtual machines' resources.
- Ensure high availability of applications.

Outline:

Module 1: Virtual Infrastructure Overview

Lessons

- Discussion of virtualization and virtual infrastructure components

Module 2: ESX Server Installation

Lessons

- Set-up of ESX Server

Module 3: Networking

Lessons:

- Configuration of virtual switches, network connections and port groups

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Module 4: Storage

Lessons:

- Storage management technologies

Module 5: Virtual Center Installation

Lessons:

- Set - Up Virtual Center components

Module 6: VM Creation and Management

Lessons

- Use Of Templates
- Use of VMware Converter Enterprise
- Manage using VMware VirtualCenter and Web Access
- Use of Guide Consolidation

Module 7: Virtual Infrastructure Access Control

Lessons

- Controlling Administration Rights

Module 8: Resource Managements

Lessons

- VMotion migrations Set-up of resource pools and a VMware Distributed Resources Scheduler (DRS cluster)
- Setting VM priorities on CPU memory, and other resources

Module 9: Resource Monitoring

Lessons

- Workload assessment

- Monitoring using VMware VirtualCenter

Module 10: Data and Availability Protection

Lessons

- Backup strategies
- Set-up of a VMware High Availability (HA) cluster

Module 11: Planning VI Deployment

Lessons

- Guidelines and best practices for a basic deployment

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