

**Title** INEW 2072 VMware Infrastructure: Deploy, Secure and Analyze

**Length:** 40 hours

**Course Description:** This course, aimed at experienced VMware Infrastructure administrators, is a continuation of the VMware Infrastructure: Install, Configure and Manage course. Upon completion of this course, students are prepared for the examination to become a VMware Certified Professional. The course focuses on ESX rather than ESXi.

**Prerequisites:**

- Comfort with fundamental Linux commands (such as ls and cp) and a Linux text editor. INEW 2071 VMware Infrastructure: Install and Configure or equivalent experience.

*Basic Skills Self-Assessment: VMware Infrastructure Fundamentals*

You must already possess the following prerequisite skills to gain the greatest possible value from attending this course:

- Install VMware ESX on a local volume.
- Install VMware vCenter and add an ESX server to its inventory.
- Build a Windows virtual machine using the VMware Infrastructure Client.
- Create a template in vCenter and deploy a virtual machine from it.
- Configure access to iSCSI storage on your ESX server.
- Create a VMFS datastore on shared storage.
- Migrate a virtual machine using VMware vMotion.
- Apply migration recommendations in a VMware Distributed Resource Scheduler cluster.
- Send an SNMP notification when a virtual machine-based alarm is triggered.
- Configure VMware High Availability to successfully fail over virtual machines during a host failure.

**Learning Objectives** At the end of the course, you should be able to do the following:

- Perform scripted installations
- Administer an ESX server using commands
- Configure Virtual Infrastructure security
- Monitor Virtual Infrastructure
- Configure and implement VMware High Availability (HA), Distributed Resource Scheduler (DRS), Consolidated Backup, and Update Manager
- Perform fault analysis on Virtual Infrastructure components

**Who Should Attend?** Systems administrators and systems integrators experienced with Virtual Infrastructure 3 who are responsible for scaling their organization's deployment of VMware technology.

**Outline**

Storage Administration

- Manage Virtual Machine File Systems (VMFS) datastores
- Introducing Storage vMotion

## Network Administration

- Configure and secure virtual networking
- Configure software iSCSI adapter
- Manage service console firewall

## DRS Configuration and Performance Monitoring

- Analyze and interpret performance using esxtop and graphical tools
- Create and manage DRS-enabled clusters

## Business Continuity and Data Protection

- Configure advanced features of VMware HA cluster
- Perform backups and restoration of virtual machines using VMware Consolidated Backup

## Operational Maintenance

- Configure and apply updates using VMware Update Manager

## Modify Logging Behavior

- Configure VirtualCenter and ESX Server logging
- Consolidate and rotate log files

## Service Console Security

- Configure SSH and TCP wrappers

## Rapid Deployment of ESX Servers

- Perform automated installation of ESX Servers for mass deployments