



Virtual Infrastructure Extended Laboratory

VMware Education Customer Training	Format: Lab 100%	Duration: 1 Day
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Overview

This optional extended laboratory course provides students who have completed *Virtual Infrastructure with ESX Server and VirtualCenter* an opportunity to integrate what they have learned through additional hands-on practice. Specifically, it provides serious students the opportunity to complete all or most of the optional laboratories from their earlier class and to repeat lab activities from the prerequisite class at their own pace with an instructor standing by to provide one-on-one assistance and answer questions. This additional practice can be especially useful, although not required, for those who are preparing to take the exam to become VMware Certified Professionals.

Course Objectives

Participation will provide you with more in-depth hands-on experience in the following areas and give you the chance to repeat any labs from the Virtual Infrastructure with ESX Server and VirtualCenter class to solidify your understanding:

- Install and configure ESX Server, VirtualCenter, and multiple guest virtual machines.
- Create VMware virtual machines; network them; and set their priorities for accessing resources.
- Move and clone virtual machines.
- Ensure high availability for applications inside virtual machines.
- Monitor the state of your system and your virtual machines.
- Troubleshoot ESX Server in a systematic manner.
- Deploy ESX Server and VirtualCenter in alignment with VMware's best-practices recommendations.

Who should attend?

This course is designed for system administrators and systems engineers who are responsible for the integration, administration, and management of VMware ESX Server. The course is suitable both for persons who will use VMware VirtualCenter and those who will administer ESX Server directly.

Pricing

US\$500 per attendee in open-enrollment courses. US\$5000 for dedicated presentations to up to 12 students.

Key Topics

- *Installation, configuration, and administration*
- *Virtual networking*
- *Storage area networks*
- *VMotion*
- *Resource management*
- *Security*
- *Backup and recovery*
- *Clustering*

Prerequisite

- System administration experience on Microsoft Windows (2003, XP, 2000, or NT 4.0) or Linux.
- Completion of *Virtual Infrastructure with ESX Server and VirtualCenter*.

Detailed Course Description

The topics of this class mirror *Virtual Infrastructure with ESX Server and VirtualCenter*. The key difference is that it is a laboratory only course, which gives serious students the opportunity to perform **all** of the challenging laboratory activities that were optional in the four-day prerequisite course. Normally, only the most advanced students in the *Virtual Infrastructure* class ever get a chance to do all of these labs in the four-day class.

This class also gives students an opportunity to repeat any required labs from *Virtual Infrastructure with ESX Server and VirtualCenter* that they did not fully understand, with a certified VCP instructor standing by to address specific or detailed questions. This helps to integrate and solidify concepts and supports the type of in-depth understanding that is required to pass the VCP exam.

The main value of this course is the opportunity to have six uninterrupted hours for focused hands-on practice targeted to individual needs. The instructor is there for one purpose – to provide individual attention to students performing the labs. Students find this undivided attention to the labs results in deeper understanding and retention of complicated material. This gives them the hands-on experience and confidence they need to return to their job and be productive right way.