



Installing and Configuring VMware Infrastructure 3

How Articlit approaches each course:

- 1 Prior to engagement we discuss the course content with you.
- 2 We mutually come to a common understanding of your specific needs.
- 3 We configure course content and an agenda specifically for you.

Our Promise Hand-craft every course to fit the essential needs of each client

COURSE SUMMARY

Module 1: Introduction to VMware Infrastructure 3

- ◆ An introduction to the components of VMware Infrastructure 3

Module 2: Planning and Installing VMware ESX Server

- ◆ Planning ESX Server Installation
- ◆ Installing ESX Server
- ◆ Post Installation Configuration

Module 3: Installing and Configuring Virtual Center 2.0

- ◆ Installing Virtual Center and the Virtual Center Back-end Database
- ◆ ESX 3.5 and Virtual Center 2.5 Licensing

Module 4: Creating and Managing VMware Infrastructure 3 Virtual Networks

- ◆ Introduction to VMware Infrastructure 3 Virtual Networks Components
- ◆ Configuration of vSwitches, Network Connections and Port Groups

Module 5: Creating and Managing VMware ESX Storage Devices

- ◆ Storage Area Networks
- ◆ Managing LUNs
- ◆ Fibre Channel, iSCSI and NAS

Module 6: Creating and Managing Virtual Machines

- ◆ Creating Virtual Machine and installing Guest OS's
- ◆ Installing VMware tools
- ◆ Creating Templates and Deploying Virtual Machines

Module 7: Migrating and Importing Virtual Machine

- ◆ Guided Consolidation
- ◆ Physical to Virtual Migration
- ◆ Importing Virtual Applications

Module 8: Configuring and Managing Virtual Infrastructure Access Controls

- ◆ ESX Server Permissions and Virtual Center Permissions
- ◆ Web Console

hand-crafted technical training

Module 9: Managing and Monitoring Resource Access

- ◆ Allocating Virtual Machine Memory
- ◆ Allocating Virtual Machine CPU
- ◆ Resource Pools
- ◆ vMotion
- ◆ Clusters
- ◆ Distributed Resource Scheduler (DRS)

Module 10: High Availability and Business Continuity

- ◆ Clustering Virtual Machines
- ◆ VMware High Availability
- ◆ VMware Consolidated Backup (VCB)

Module 11: Monitoring Virtual Infrastructure Performance

- ◆ Creating Host and Virtual Machine Alarms
- ◆ Performance Graph Details
- ◆ Monitoring Host and Virtual Machine Resources

Module 12: Securing Virtual Machines

- ◆ User Access
- ◆ Managing Client Access to ESX
- ◆ Auditing and Monitoring Important Files

Module 13: Configuring and Managing ESXi

- ◆ Understanding ESXi Architecture

THE COURSE EXPERIENCE

This course is designed to involve the student at every opportunity. Rather than delivering long lectures followed by labs where students often get lost or distracted, we use a hands-on training technique which facilitates learning and long-term recall.

Each student will be able to connect to the provided network using their standard web browser — no need to install a VPN or Citrix client — connect to the servers and have full video, keyboard and mouse access, install the OS, modify the OS as needed and perform all the interactive labs for the class. They are easily able to follow along during lectures and get a true, hands-on training experience. We have received fantastic feedback for this training style.

STUDENT PREREQUISITES

Individuals planning on attending this course should have solid understanding of networking and TCP/IP routed networking specifically. Students should also have experience with network operating systems such as Windows or Linux.

DURATION

4 days or less — depends on final course content and configuration

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2 Venture • Suite 400
Irvine, California 92618

t 949.553.0745

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