



Course Outline

Installing and Configuring the Windows Vista Operating System

Configuring Windows Vista Mobile Computing and Applications

Courses 5115AL & 5116 AL: Microsoft Official Distance Learning (MODL)

Introduction

Course 5115AL: Microsoft Official Distance Learning (MODL)

Elements of this syllabus are subject to change.

This Distance Learning version of the course consists of 6 online live instructor-led sessions over 3 weeks (2hrs for each session). Additional self-paced e-learning content, scenario-based labs, and assessments accompany these sessions. This course provides students with the knowledge and skills to install and configure Windows Vista desktops. It will focus on four main areas: installing, securing, networking, and browsing. By the end of the course, the student will know how to install and configure a Windows Vista desktop that is secure, on the network, and ready for browsing. This is the first course in the Windows Vista curriculum and it will serve as the entry point for other Windows Vista Technology Specialist courses.

Audience

The target audience for this course is IT Professionals wishing to become technology specialists. A Windows Vista technology specialist is defined as a technology specialist interested in learning about, assessing skills, using reference products, or taking exams to prove his or her knowledge/skills/experience related to Microsoft's Windows Vista technologies.

At Course Completion

After completing this course, students will be able to:

- Install Windows Vista.
- Upgrade and migrate to Windows Vista Ultimate Edition and configure post-installation system settings.
- Share files by using Windows Vista.
- Configure advanced networking.
- Configure user account and network security.
- Configure Microsoft Internet Explorer 7.0



Course Outline

Prerequisites

Before attending this course, students must have:

- Familiarity with computer hardware and devices, such as the ability to look into device manager and look for unsupported devices.
- Basic TCP/IP knowledge, such as knowing why you need to have a valid IP address.
- Basic Microsoft Windows and Active Directory knowledge, such as knowledge about domain user accounts, domain vs. local user accounts, user profiles, and group membership.
- Experience with mapping network file shares, such as being familiar with UNC paths and mapping local resources to server/share.
- Experience with running commands from a command window, such as the DOS command prompt.
- Experience with reviewing BIOS settings.

In addition, it is recommended, but not required, that students have completed:

- First Look Clinic 5056 - First Look: Getting Started with Windows Vista for IT Professionals.
- Hands-on-Lab 5057 - First Look: Getting Started with Windows Vista for IT Professionals.

Course Outline

Module 1-1: Installing Windows Vista

This module describes the new features of the Windows Vista operating system, the Windows Vista experiences and editions, and hardware requirements. This module then explains how to perform a clean installation. This module also explains how to install and configure Windows Vista device drivers.

Lessons

- Introduction to Windows Vista
- Performing a Clean Installation of Windows Vista
- Installing and Configuring Windows Vista Drivers

Lab 1-1: Installing Windows Vista

After completing this module, students will be able to:

- Describe the Windows Vista operating system.
- Perform a clean installation of Windows Vista.
- Install and configure Windows Vista device drivers.



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Module 1-2: Upgrading and Migrating to Windows Vista Ultimate Edition, and Configuring Post-Installation Settings

This module explains how to upgrade and migrate to Windows Vista Ultimate edition from previous versions of Windows and from other Windows Vista editions. It also covers how to configure the Windows Aero Experience and the Accessibility features of Windows Vista. Finally, this module explains how to configure Parental Controls.

Lessons

- Upgrading and Migrating to Windows Vista from a Previous Version of Windows
- Upgrading Between Windows Vista Editions
- Configuring the Windows Aero Experience
- Configuring Accessibility Features and Parental Controls

Lab 1-2: Configuring Post-Installation Options

After completing this module, students will be able to:

- Upgrade or migrate to Windows Vista from a previous version of Microsoft Windows.
- Upgrade or migrate between Windows Vista editions.
- Configure the Windows Aero experience.
- Configure the accessibility features of the Windows Vista operating system and Windows Vista Parental Controls.

Module 2-1: Sharing Files by Using Windows Vista

This module describes the networking features in Windows Vista. This module then explains how to use Windows Vista to share files with others and also describes how to manage the various file types that Windows Vista supports. Finally, this module covers the data encryption features of Windows Vista.

Lessons

- Using Vista Networking
- Sharing Data With Others
- Managing Windows Vista Files
- Data Encryption

Lab 2-1: Sharing Files by Using Windows Vista

After completing this module, students will be able to:

- Use Vista networking.
- Share data with others.
- Manage Windows Vista Files
- Describe the Windows Vista data encryption features.



Course Outline

Module 2-2: Configuring Advanced Networking

This module explains how to connect Windows Vista to a network, and also explains how to configure and troubleshoot the Remote Access features of Windows Vista.

Lessons

- Configuring IP Addressing
- Troubleshooting Network Connectivity
- Configuring Remote Access

Lab 2-2: Configuring Advanced Networking

After completing this module, students will be able to:

- Configure IP addressing in Windows Vista.
- Troubleshoot network connectivity.
- Configure remote access in Windows Vista.

Module 3-1: Configuring User Account Control and Network Security

This module explains how to configure and troubleshoot User Account Control in Windows Vista. It also covers how to configure Windows Defender and Windows Firewall in Windows Vista.

Lessons

- Configuring User Account Control
- Troubleshooting User Account Control
- Configuring Windows Defender in Windows Vista
- Configuring Windows Firewall Settings

Lab 3-1: Configuring Network Security

After completing this module, students will be able to:

- Configure Windows Vista User Account Control.
- Troubleshoot User Account Control.
- Configure Windows Defender in Windows Vista.
- Configure the Windows Firewall settings in Windows Vista.



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Module 3-2: Configuring Internet Explorer 7.0

This module describes the new features in Internet Explorer 7.0. This module then explains the settings in Internet Options and describes how to configure these settings. This module also explains how to configure dynamic security settings in Internet Explorer 7.0 and describes the Internet Explorer 7.0 security features which are unique to Windows Vista.

Lessons

- New Features in Internet Explorer 7.0
- Settings in Internet Options
- Configuring Dynamic Security for Internet Explorer 7.0
- Security Features Unique to Windows Vista

Lab 3-2: Configuring Internet Explorer 7.0

After completing this module, students will be able to:

- Describe the new features in Internet Explorer 7.0.
- Configure settings for Internet Explorer 7.0.
- Configure dynamic security for Internet Explorer 7.0.
- Describe security features unique to Windows Vista.



Course Outline

Configuring Windows Vista Mobile Computing and Applications

Introduction

Course 5116AL: Microsoft Official Distance Learning (MODL)

Elements of this syllabus are subject to change.

This Distance Learning version of the course consists of 4 online live instructor-led sessions over 2 weeks (2hrs for each session). Additional self-paced e-learning content, scenario-based labs, and assessments accompany these sessions. This course provides students with the knowledge and skills to successfully configure mobile computers and applications that run on the Windows Vista operating system.

The course will also provide students with the knowledge and skills necessary to ensure successful configuration of the IT Pro tools and productivity applications that ship with Windows Vista.

Students will focus on six main areas: maintenance and optimization tools, media applications, productivity applications, notebook computers, mobile devices, and Tablet PCs.

Audience

This course is intended for IT Professionals who want to become technology specialists. A Windows Vista technology specialist is defined as a technology specialist interested in learning about, assessing skills, using reference products, or taking exams to prove his or her knowledge/skills/experience related to Microsoft Windows Vista technologies. Technology specialists:

- Value and may be working toward an extensive, deep technical knowledge in a particular technology.
- Have an interest in learning about Windows Vista technologies in greater detail.
- Want to learn or test that they know and can apply existing concepts, practices, procedures, policies, and guidelines.
- Work in roles where most questions have clear right and wrong answers.
- Focus primarily on the “how to” associated with Windows Vista technologies.
- Work from functional specifications, defined polices/conventions/standards, and documented operational procedures that they have received from superiors.

Windows Vista technology specialists may work for an enterprise, a medium-sized organization, a small organization, or a retail organization.

At Course Completion

After completing this course, students will be able to:

- Maintain and optimize Windows Vista systems.
- Configure Windows Vista Media Applications.
- Configure Windows Vista Productivity Applications.



Course Outline

Prerequisites

Before attending this course, students must have:

- Familiarity with computer hardware and devices, such as the ability to look into device manager and look for unsupported devices.
- Basic TCP/IP knowledge, such as knowing why you need to have a valid IP address.
- Basic Microsoft Windows and Active Directory knowledge, such as knowledge about domain user accounts, domain vs. local user accounts, user profiles, and group membership.
- Experience with mapping network file shares, such as being familiar with Universal Naming Convention (UNC) paths and mapping local resources to server/share.
- Experience with running commands from a command window, such as the DOS command prompt.
- Experience with reviewing Basic Input Output System (BIOS) settings.

In addition, it is recommended, but not required, that students have completed:

- 5115AL: Installing and Configuring the Windows Vista Operating System.

Important: This learning product will be most useful to people who intend to use their new skills and knowledge on the job immediately after training.

Course Outline

Module 1-1: Maintaining and Optimizing Windows Vista Systems

This module explains how to use the performance tools and diagnostics tools to maintain and optimize Windows Vista systems. This module also explains how to configure Windows Update.

Lessons

- Introducing the Windows Vista Performance Tools
- Maintaining Windows Vista Performance
- Optimizing Windows by Using Windows Vista Diagnostic Tools
- Configuring Windows Update

Lab 1-1: Maintaining and Optimizing Windows Vista

After completing this module, students will be able to:

- Maintain performance by using Windows Vista performance tools.
- Optimize reliability by using Windows Vista diagnostic tools.
- Configure Microsoft Windows Update.

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Module 1-2: Configuring Windows Vista Productivity Applications and Microsoft Windows Media Applications

This module explains how to configure the productivity tools included with every edition of Windows Vista. In addition, this module explains how to configure the Microsoft Windows Media Player and the Windows Media Center.

Lessons

- Configuring Windows Sidebar
- Configuring Windows Mail
- Configuring Windows Meeting Space
- Configuring Windows Calendar
- Configuring Windows Fax and Scan
- Configuring Windows Media Player for Windows Vista
- Configuring Windows Media Center

Lab 1-2: Configuring Windows Vista Productivity Applications

After completing this module, students will be able to:

- Use and configure Windows Sidebar.
- Use and configure Windows Mail.
- Use and configure Windows Meeting Space.
- Use and configure Windows Calendar.
- Use and configure Windows Fax and Scan.
- Configure Microsoft Windows Media Player 11 for Windows Vista.
- Configure Microsoft Windows Media Center.

Module 2-1: Configuring Mobile Computers and Tablet PC Settings

This module explains how to configure the settings in Windows Vista specifically for mobile computers, and explains how to configure power management. In addition, this module explains how to configure the options in Windows Vista specifically for a Tablet PC.

Lessons

- Configuring Mobile Computer Settings
- Configuring Mobile Devices
- Configuring Power Options for Mobile Computers
- Configuring Windows Vista Tablet PC Settings
- Configuring Pen and Input Devices for a Tablet PC

Lab 2-1: Configuring Mobile Computers

After completing this module, students will be able to:

- Configure mobile computer settings.
- Configure mobile devices.
- Configure power options.
- Configure Windows Vista Tablet PC settings.
- Configure Pen and Input Devices.



Course Outline

Module 2-2: Networking Mobile Computers

This module explains how to configure wireless networking and how to use Windows Vista tools to use offline files.

Lessons

- Networking Without Wires
- Connecting to a Wireless Network
- Working with Offline Files

Lab 2-3: Networking Mobile Computers

After completing this module, students will be able to:

- Configure networks without wires.
- Configure a connection to a wireless network.