

## Windows Vista®: A Comprehensive Hands-On Introduction - 4 Days

*Course 950 Overview*

- You Will Learn How To**
- Install and maintain Windows Vista in a professional environment
  - Navigate and configure Windows Vista
  - Create and manage users and groups
  - Protect resources with rights, access control and encryption
  - Implement and troubleshoot network and Internet connectivity
  - Improve application compatibility to maximise user productivity

**Course Benefits** As operating systems become more complex, the need for IT staff to remain current in the latest technological advancements increases. Windows Vista offers enhanced features to increase reliability, functionality and security for every organisation. In this course, you gain the fundamental knowledge and skills to install and configure Windows Vista in your organisation.

**Who Should Attend** This course is valuable for PC technicians, IT and desktop support staff, systems administrators and power users who want to gain experience with Windows Vista. A basic knowledge of Microsoft Windows or a similar operating system is assumed.

**Hands-On Training** Throughout this course, extensive hands-on exercises provide practical experience configuring Windows Vista operating systems. Exercises include:

- Preparing a Windows Vista image
- Organising files into virtual folders
- Configuring ACPI power plans
- Backing up and restoring system data
- Customising Windows Defender to provide a tailored security environment
- Sharing files, folders and printers
- Configuring network security, protocols and discovery options

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## Course 950 Outline

### Introduction to Windows Vista

- Evaluating Windows Vista editions
- Examining hardware requirements
- Selecting an installation method
- Licensing and activation issues
- Recovering critical files, folders and registry settings with WRP
- Encrypting drives with BitLocker
- Protecting privacy with Windows Defender

### Exploring the User Interface

#### Configuring the desktop

- Investigating Windows Aero and Flip 3D
- Populating the Sidebar with Gadgets

#### Organising user data

- Navigating the file system
- Creating virtual folders
- Grouping files via search queries

### Configuring Windows Vista

#### Keeping systems current

- Customising automatic updates
- Installing service packs and hotfixes
- Leveraging new SP2 features
- Maintaining device drivers

#### Leveraging system tools

- Diagnosing performance issues
- Recovering from start-up failures
- Exploring Control Panel applets
- Performing diagnostics with built-in tools and utilities

#### Managing advanced features

- Selecting power options
- Modifying registry settings
- Safeguarding system and user data

### Administering Users and Groups

#### Implementing local and domain accounts

- Creating and managing local domain users and groups
- Nesting role and resource groups
- Interacting with User Account Control (UAC) in Windows Vista

#### Applying security policies

- Improving password security
- Restricting access to the system
- Defining Group Policy Objects (GPOs)

### Securing Local Resources

#### Benefiting from advanced technologies

- Investigating Windows Resource Protection (WRP) and service hardening

### Configuring system security

- Auditing files and folders
- Granting and denying access permissions
- Improving physical and data security with TPM technologies

### Managing Network Connectivity

#### Fine-tuning network configuration

- Optimising network settings
- Providing data mobility
- Resolving problems using Windows Network Diagnostics
- Analysing network maps

#### Sharing printers and folders

- Choosing the best method of sharing
- Leveraging the Network and Sharing Center
- Locating shared volumes and printers

#### Interacting with the Internet

- Securing inbound and outbound connections with Windows Firewall
- Customising the Internet experience

### Supporting User Applications

#### Installing and maintaining software

- Deploying Microsoft Installer (MSI) packages
- Coping with problematic processes in user applications
- Auditing application behaviour

#### Improving software compatibility

- Investigating virtual storage redirection
- Overcoming permission barriers
- Modifying registry security to ensure application compatibility
- Correcting application compatibility problems