

## 6292A - Installing and Configuring Windows 7 Client 3 day course

This three day course is intended for IT Professionals who are interested in expanding their knowledge base and technical skills about Windows 7 Client. Participants will learn how to install, upgrade and migrate to Windows 7 client. Participants will also configure Windows 7 client for network connectivity, security, maintenance and mobile computing

### Outcomes

- Perform a clean installation of Windows 7, upgrade to Windows 7, and migrate user-related data and settings from an earlier version of Windows.
- Configure disks, partitions, volumes, and device drivers to enable a Windows 7 client computer.
- Configure file access and printers on a Windows 7 client computer.
- Configure network connectivity on a Windows 7 client computer.
- Configure wireless network connectivity on a Windows 7 client computer.
- Secure Windows 7 client desktop computers.
- Optimize and maintain the performance and reliability of a Windows 7 client computer.
- Configure mobile computing and remote access settings for a Windows 7 client computer

### Prerequisites

Before attending this course, students must have:

- Experience installing PC hardware and devices.
- Basic understanding of TCP/IP and networking concepts.
- Basic Windows and Active Directory knowledge.
- The skills to map network file shares.
- Experience working from a command prompt.
- Basic knowledge of the fundamentals of applications. For example, how client computer applications communicate with the server.
- Basic understanding of security concepts such as authentication and authorization.
- An understanding of the fundamental principles of using printers

### Audience

This course is intended for IT professionals who are interested in:

- Expanding their knowledge base and technical skills about Windows 7 Client.
- Acquiring deep technical knowledge of Windows 7.
- Learning the details of Windows 7 technologies.
- Focusing on the "how to" associated with Windows 7 technologies.

Most of these professionals use some version of Windows client at their work place and are looking at new and better ways to perform some of the current functions.

### Location

Crimson Innovations  
Unit 3  
6 Catterthun Street  
Winnellie

(see [www.crimson.com.au/contact\\_us.htm](http://www.crimson.com.au/contact_us.htm) for details)

Course outline shown on next page...

### Outline

#### Installing, upgrading and migrating to Windows 7

- Preparing to install Windows 7
- Performing a clean installation
- Upgrading and migrating to Windows 7
- Performing image-based installation
- Configuring application compatibility

#### Configuring disks and device drivers

- Configure disk partitions on a Windows 7 client computer
- Create and manage disk volumes
- Manage file system fragmentation and disk quotas
- Install and configure device drivers

#### Configuring file access and printers

- Manage file access on a Windows 7 client computer
- Create and manage shared folders
- Configure file compression
- Install, configure and administer printers

#### Configuring network connectivity

- Configure IPv4 network connectivity
- Configure IPv6 network connectivity
- Implementing automatic IP address allocation
- Overview of name resolution
- Troubleshooting network issues

#### Configuring wireless network connections

- Overview of wireless networks
- Configuring a wireless network

#### Securing Windows 7 desktops

- Configure local security policy settings on a Windows 7 client computer
- Secure data by using EFS and BitLocker
- Configure application restrictions by using AppLocker
- Configure user account control settings
- Configure Windows Firewall on a Windows 7 client
- Configure security-related setting in Internet Explorer to help protect a Windows 7 client computer that is connected to the Internet
- Configure Windows Defender to help protect a Windows 7 client computer against malicious software

#### Optimising and maintaining Windows 7 client computers

- Maintain the performance of a Windows 7 client by using performance management tools
- Maintain reliability of a Windows 7 client by using the diagnostic tools
- Back up and restore data on a Windows 7 client by using Windows Backup
- Restore a Windows 7 system by using system restore points
- Configure Windows Updates on a Windows 7 client

#### Configuring mobile computing and remote access in Windows 7

- Configure mobile computer and device settings on a Windows 7 client
- Configure remote desktop and remote assistance
- Configure DirectAccess
- Configure BranchCache on a branch office Windows 7 client