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# Computer Visions Course Outline

## Get What You Want

We offer highly customizable group training courses: desktop applications, web development, networking & operating systems, technical certification, professional development & skills, help desk.

## Get It When & Where You Want It

All Computer Visions courses are available for presentation on-site or off-site for your convenience. We can roll out any combination of courses at one or more locations anywhere in the United States, according to your requirements and time table. Just let us know and we'll work with you!

## Corporate Training Solutions

Corporations look to us to train their employees. Why? Because our proven training methods have increased employee proficiency and productivity. We assign one person to each of our corporate clients to ensure quality service, and we also offer extranet Web registration, management, reporting and billing for all clients. Simplicity, quality and outstanding service are our hallmarks.

## Consulting Solutions

Consulting is about trust,

## 629X: Windows 7 Accelerated Desktop Support Technician

### Description:

This fast paced three-day instructor-led course is intended for IT desktop support professionals who are interested in expanding their knowledge base and technical skills about Windows 7 Client. In this course, students learn how to maintain and support the many new features of the Windows 7 client. Students then configure Windows 7 client for application compatibility, printing, network connectivity, security, group policy, and mobile computing.

### Course Outline:

#### Module 1: Managing Desktop Configurations

This module reviews the enhancements made in Windows 7 that enable IT support professionals to more effectively manage desktops and mobile PCs with an emphasis on group policy and PowerShell.

### Lessons

Automating Group Policy Enhancements  
Introduction to Windows PowerShell 2.0  
Using Windows PowerShell 2.0

Lab : Applying Group Policy Enhancements  
Configure a Local Group Policy Object  
Install Group Policy Management Tools  
Create Group Policy Preferences

Lab : Using PowerShell 2.0  
Execute Commands in Windows PowerShell  
Holding the Output of a Cmdlet  
Sorting and Selecting Elements from a Resultant Set of Data  
Writing and Running a Script

service and accountability. Our consulting division is one of the fastest-growing around. Why? Clients trust us to provide excellent service and expertise. Visit our consulting section for more information.

#### **Classroom and Computer Rentals**

Need space and equipment to conduct specialized presentations or classes? We can help. With our world class classrooms and state of the art projection and presentation equipment, we take care of the details so you can have a successful presentation.

### **Module 2: Assessing Application Compatibility in Windows 7**

This module describes the process for addressing common application compatibility issues experienced during a typical operating system transition. The module also explains how to use the Microsoft® Application Compatibility Toolkit (ACT) to help inventory, analyze, and mitigate application compatibility issues.

#### **Lessons**

Overview of Application Compatibility

Assessing and Resolving Application Compatibility Issues by Using ACT 5.5

Lab : Assessing Application Compatibility in Windows 7

Evaluating Application Compatibility Using the Microsoft Application Compatibility Toolkit

Creating Application Compatibility Fixes

### **Module 3: Configuring Disks and Device Drivers**

This module examines how to configure disks, partitions, volumes, and device drivers to enable Windows 7 to function as desired.

#### **Lessons**

Partitioning Disks in Windows 7

Managing Disk Volumes

Maintaining Disks in Windows 7

Installing and Configuring Device Drivers

Lab : Configuring Disks and Device Drivers

Configuring Disks

Configuring Disk Quotas

Updating a Device Driver

### **Module 4: Configuring File Access and Printers on Windows 7 Client Computers**

This module explains how to manage access to shared folders and printers on a computer running Windows 7. Specifically, it describes how to share and secure folders, configure folder compression, and how to install, configure, and administer printing.

#### **Lessons**

Overview of Authentication and Authorization

Managing File Access in Windows 7

Managing Shared Folders

Configuring File Compression

## Managing Printing

Lab : Configuring File Access and Printers on Windows 7 Client Computers  
Creating and Configuring a Shared Folder for All Users  
Configuring Shared Access to Files for Specific Users  
Creating and Sharing a Printer

## **Module 5: Configuring Network Connectivity**

This module explains both IPv4 and IPv6 network connectivity. It also describes how to implement automatic IP Address Allocation and troubleshoot network connectivity.

### **Lessons**

Configuring IPv4 Network Connectivity  
Configuring IPv6 Network Connectivity  
Implementing Automatic IP Address Allocation  
Troubleshooting Network Issues

Lab : Configuring Network Connectivity  
Configuring IPv4 Addressing  
Configuring IPv6 Addressing  
Troubleshooting Network Connectivity

## **Module 6: Configuring Wireless Network Connections**

This module describes key wireless network technologies and how to configure wireless network components and the Windows 7 elements that are necessary to access wireless networks.

### **Lessons**

Overview of Wireless Networks  
Configuring a Wireless Network

Lab : Configuring Wireless Network Connections  
Determining the appropriate configuration for a wireless network  
Troubleshooting Wireless Connectivity

## **Module 7: Securing Windows 7 Desktops**

This module describes how to make a Windows 7 computer more secure while ensuring usability is not sacrificed in the process. Specifically, it describes Windows Firewall, User Account Control, Windows Defender, and Security in Internet Explorer 8.

### **Lessons**

Overview of Security Management in Windows 7  
Securing a Windows 7 Client Computer by Using Local Security Policy Settings  
Securing Data by Using EFS and BitLocker  
Configuring Application Restrictions  
Configuring User Account Control  
Configuring Windows Firewall  
Configuring Security Settings in Internet Explorer 8  
Configuring Windows Defender

Lab : Configuring UAC, BitLocker, and AppLocker  
Using Action Center  
Configuring Local Security Policies  
Encrypting Data  
Configuring AppLocker

Lab : Configuring Windows Firewall, Internet Explorer 8 Security Settings, and Windows Defender  
Configuring Windows Firewall  
Configuring Internet Explorer 8 Security  
Configuring Windows Defender

### **Module 8: Optimizing and Maintaining Windows 7 Client Computers**

This module describes how to use the monitoring and configuration tools to obtain information about Windows 7 performance and how to troubleshoot performance and reliability problems.

#### **Lessons**

Maintaining Performance by Using the Windows 7 Performance Tools  
Maintaining Reliability by Using the Windows 7 Diagnostic Tools  
Backing Up and Restoring Data by Using Windows Backup  
Restoring a Windows 7 System by Using System Restore Points  
Configuring Windows Update

Lab : Optimizing and Maintaining Windows 7 Client Computers  
Monitoring System Performance  
Backing Up and Restoring Data  
Configuring System Restore Points  
Configuring Windows Update

### **Module 9: Configuring Mobile Computing and Remote Access in Windows 7**

This module explains how to configure mobile devices and remote access.

It also discusses DirectAccess and BranchCache which are new for Windows 7.

**Lessons**

Configuring Mobile Computer and Device Settings

Configuring Remote Desktop and Remote Assistance for Remote Access

Configuring DirectAccess for Remote Access

Configuring BranchCache for Remote Access

Lab : Configuring Mobile Computing and Remote Access in Windows 7

Configuring Power Options

Configuring Remote Desktop

Configuring DirectAccess

Configuring BranchCache