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## Upskilling from Windows 7 to MCSA Windows 8

**Duration: 5.00 Days    Course Code: MCSAW8    Version: A**

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### Overview:

This five-day instructor-led course provides students with the knowledge and skills needed to isolate, document and resolve problems on a Windows 8 desktop or mobile device. It will also help prepare for the MCSA Windows 8 Certification as it prepares the student for both the 70-687 and 70-688 or the 70-689 exam. This course includes 2 Microsoft exam vouchers per delegate and will be issued on the course.

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### Target Audience:

Ideally attendees should have experience with implementation, and maintenance of Windows 7 systems. They should be looking to upgrade, implement or integrate Windows 8 into their current active directory environment. Attendees should be familiar with Active Directory Domain Services, and TCP/IP networks. They should also have some experience in using group policies and troubleshooting on Windows 7 PC's.

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### Objectives:

- Identify and Resolve Desktop Application Issues Support Mobile Users
  - Identify the Cause of and Resolve Security Issues
  - Manage and Maintain Systems That Run Windows 7
  - Identify the Cause of and Resolve Networking Issues
  - Manage clients using cloud services
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### Prerequisites:

- This course is intended for Windows 7 desktop support technicians who resolve Tier 1 and 2 problems on desktop computers. A minimum of three years of experience configuring and supporting desktop or laptop operating systems is recommended.

### Testing and Certification

- Exam 70-687: Configuring Windows 8
  - Exam 70-688: Managing and Maintaining Windows 8
  - Or
  - Exam 70-689: Upgrading Your Skills to MCSA Windows 8
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## Content:

### **Module 01 – Install and Upgrading to Windows 8**

- Lesson 1
- Evaluate hardware readiness and compatibility.
- Determine whether 32 bit or 64 bit is appropriate; determine screen resolution; choose between an upgrade or a clean installation; determine which Windows version to install.
- Lesson 2 Install Windows 8.
- Migrate from Windows XP or Windows Vista; upgrade from Windows 7 to Windows 8 or from one edition of Windows 8 to another edition of Windows 8; install VHD; install as Windows to Go.
- Lesson 3 Migrate and configure user data.
- Migrate user profiles; USMT 5.0/WET; Windows Live integration; Native VHD boot; Multi boot

### **Module 02 - Configuring Windows 8**

- Lesson 1 Configure devices and device drivers.
- Install, update, disable, and roll back drivers; resolve driver issues; configure driver settings
- Lesson 2 Configure Hyper-V.
- Create and configure virtual machines; create and manage snapshots; create and configure virtual switches; create and configure virtual disks

### **Module 03 – Using Windows 8 in a network**

- Lesson 1 Configure IP settings.
- Configure name resolution; connect to a network; configure network locations; resolve connectivity issues
- Lesson 2 Configure networking settings.
- Connect to a wireless network; manage preferred wireless networks; configure network adapters; configure location-aware printing
- Lesson 3 Configure remote management.
- Choose the appropriate remote management tools; configure remote management settings; modify settings remotely by using MMCs or Windows PowerShell

### **Module 04 - Using windows 8 with Active Directory**

- Lesson 1 Configure authentication and authorization.
- Configure rights; manage credentials; manage certificates; configure smart cards; configure biometrics; configure picture password; configure PIN; set up and configure Microsoft Account
- Lesson 2 Configure shared resources.

### **Module 05 - Security and Windows 8**

- Lesson 1 Configure and maintain network security.
- Configure Windows Firewall; configure Windows Firewall with Advanced Security; configure connection security rules (IPSec); configure authenticated exceptions; configure network discovery; manage wireless security
- Lesson 2 Configure local security settings.
- Configure local security policy; configure User Account Control (UAC) behaviour; configure Secure Boot; configure SmartScreen filter
- Lesson 3 Configure file and folder access.
- Encrypt files and folders by using EFS; configure NTFS permissions; configure disk quotas; configure object access auditing;
- Lesson 4 configure BitLocker and BitLocker To Go policies;

### **Module 06 - Window 8 on the go**

- Lesson 1 Configure remote connections.
- Configure remote authentication; configure Remote Desktop settings; establish VPN connections and authentication; enable VPN reconnect; DirectAccess; manage broadband connections
- Lesson 2 Configure mobility options.
- Configure offline file policies; configure power policies; configure sync options; configure WiFi direct; Off-network use and management; Metered networks;
- Lesson 3 Configure security for mobile devices.
- Configure startup key storage; configure remote wipe; configure location settings (GPS)

### **Module 07 - Using Applications with Windows 8**

- Lesson 1 Install and configure desktop applications.
- Set compatibility mode; install and repair applications by using Windows Installer; configure default program settings; modify file associations; manage App-V applications
- Lesson 2 Control access to local hardware and applications.
- Configure AppLocker; configure access through Group Policy or local security policy; manage installation of removable devices
- Lesson 3 Install and configure Windows Store applications.
- Install, reinstall, and update Windows

### **Module 09 - Repairing and recovering windows 8**

- Lesson 1 Monitor and maintain clients by using MDOP.
- Remediate startup issues using the Diagnostics and Recovery Toolkit (DaRT) Manage the App-V client;
- Lesson 2 Configure backup.
- Create a system recovery disk; back up files, folders, and full system; schedule backups
- Lesson 3 Configure system recovery options.
- Configure system restore; determine when to choose last known good configuration; perform a complete restore; perform a driver rollback; perform a push button refresh or reset; configure startup settings
- Lesson 4 Configure file recovery options.
- Configure file restore points; restore previous versions of files and folders; configure File History

### **Module 10 - Monitoring windows 8**

- Lesson 1 Monitor system performance.
- Configure and analyze event logs; configure event subscriptions; configure Task Manager; monitor system resources; optimize networking performance; optimize the desktop environment; configure indexing options
- Monitor clients using System Center Desktop Error Monitoring

### **Module 11 - Maintaining the Windows 8 Client**

- Lesson 1 Configure and manage updates.
- Configure update settings; configure Windows Update policies; manage update history; roll back updates; update Windows Store applications
- Lesson 2 Manage local storage.
- Manage disk volumes; manage file system fragmentation; manage storage spaces
- Manage BitLocker and BitLocker To Go using Microsoft BitLocker Administration and Monitoring (MBAM)

- Configure shared folder permissions; configure HomeGroup settings; configure file libraries; configure shared printers; set up and configure SkyDrive; configure Near Field Communication (NFC)
- Lesson 3 Manage data storage.
- Configure profiles; Resolve data storage issues; Manage pools; Manage data availability using BranchCache; Folder redirection; User experience virtualization (UE-V); Operating system virtualization;
- Lesson 4 Manage hardware and printers.
- Resolve hardware and device issues; Sync devices and resolve sync issues; Monitor and manage print servers

Store applications; restrict Windows Store content; add internal content (side loading); disable Windows Store; Application Compatibility Toolkit (ACT); Application updates; Application co

- Lesson 4 Configure Internet Explorer.
- Configure compatibility view; configure security settings; manage add-ons; configure websockets; configure Download Manager, Internet Explorer 10 management

#### **Module 08 - Manage Windows 8 Using Cloud Services**

- Lesson 1 Manage clients by using Windows Intune.
- Manage updates and update groups; Configure the company portal; Monitor on-network and off-network machines; Manage asset inventory
- Lesson 2 Manage public cloud services.
- Manage Windows Live services including Trusted PC, storage, SkyDrive/Live Mesh apps, and groups; Implement Office 365 using the Office 365 Desktop Setup; Manage Office 365

#### **Further Information:**

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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