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## Updating your Network Infrastructure and Active Directory Technology Skills to Windows Server 2008 (GK Premier)

**Duration: 5 Days**    **Course Code: M6416**

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### Overview:

This instructor-led course provides students with the knowledge and skills to work with Network Infrastructure and Active Directory technologies in Windows Server 2008. This course is intended for individuals who already have experience with Network Infrastructure and Active Directory technologies in Windows Server 2000 or Windows Server 2003 to upgrade their skills to Windows Server 2008.

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### Target Audience:

This course is intended for IT Professionals experienced on the technologies included in Windows Server 2000 or Windows Server 2003, and who hold an MCSE or MCSA certification and/or equivalent knowledge.

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### Objectives:

- Install and configure Windows Server 2008
  - Add and configure Windows Server Core roles.
  - Explain the new backup infrastructure, including Volume Shadow Copy Service
  - Identify new and improved networking features with Windows Server 2008
  - Identify considerations when upgrading from a Windows Server 2003 to a Windows Server 2008 Active Directory infrastructure.
  - Install and configure Active Directory Federation Services, Active Directory Lightweight Directory Services, and Active Directory Rights Management Services.
  - Use Read-Only Domain Controllers
  - Identify new features in AD DS auditing
  - Implement AD DS auditing
  - Configure Windows Server 2008 Failover Clustering
  - Configure Windows Server 2008 Network Load Balancing.
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### Prerequisites:

Global Knowledge recommends delegates registered for this course have;

- Experience planning, implementing, managing, maintaining, and securing Microsoft Windows Server 2000 or 2003, including Active Directory and Network Infrastructure server roles.
- Working knowledge of networking, for example, TCP/IP and Domain Name System (DNS).
- Experience installing, configuring, and administering Microsoft Windows 2000, Windows XP Professional, or Microsoft Vista.
- MCSA on Windows Server 2003 or MCSE on Windows Server 2003 recommended

### Testing and Certification:

Recommended as preparation for exam(s):

- This course, along with M6417 is recommended in the preparation for the Microsoft Exams:
  - 70-648
  - 70-649
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## Follow-on-Courses:

Following completion of this course delegates should consider one or more of the below courses. For more information on these please contact your Global Knowledge account manager;

- M6430
- M6435
- M6436
- M6437

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## Content:

### Installing and Configuring Windows Server 2008

- Server Manager Roles
- Windows Server 2008 Features
- Active Directory Improvements

### Configuring Windows Server 2008

- Introducing Windows Deployment Services
- WDS Components

### Windows Deployment Services

- Server Core Introduction
- Configuring and Managing Server Core

### Windows Backup

- Backup Infrastructure
- Optical Media
- Restore Utilities

### Windows Server 2008 Updates to Networking

- Networking with Windows Server 2008
- New Networking Features
- DNS with Windows Server 2008
- Configuring Routing
- Configuring Wireless Settings in Server 2008

### Network Policies and Access Protection

- Network Policies Access Protection
- Enforcement Options
- Network Access Protection Scenarios
- Routing and Remote Access

### Active Directory Domain Services

- What's New in AD DS
- Manageability and Reliability

### Hyper-V

- Introducing Hyper-V
- Configuring Hyper-V

### Planning for Windows Server 2008 Active Directory Services

- Planning for AD DS Deployment
- Upgrade Considerations

### Identity and Access Services in Windows Server 2008 Active Directory

- Active Directory Federation Services
- Active Directory Lightweight Directory Services
- Active Directory Rights Management Services

### Read-Only Domain Controllers

- Read-Only Domain Controllers
- Read-Only Domain Controller Operation

### Auditing Active Directory Domain Services Changes

- What's New in AD DS Auditing
- Implementing AD DS Change Auditing

### High Availability Features

- Failover Clustering
- Network Load Balancing

### Performance Monitoring and Optimization

- Windows Reliability and Performance Monitor
- Microsoft Windows System Resource Manager
- Monitoring Events

### Software Maintenance Using Windows Server Update Services

- Introduction to Windows Server Update Services
- Installing and Configuring Windows Server Update Services
- Managing Windows Server Update Services

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## Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 01924 377489

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