



Global Knowledge

## Updating your Network Infrastructure Technology Skills to Windows Server 2008

M6415

3 day

**Overview :**

This 3 day instructor-led course provides students with an understanding of Network Infrastructure technology in Windows Server 2008. This course is intended to allow individuals who already have experience with Network Infrastructure technology to upgrade their skills for Windows Server 2008. This course is based on an interim build of Windows Server 2008.

**Target Audience :**

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

**At the end of the course, delegates will be able to:**

- Install and configure Windows Server 2008, including using new features and Roles.
- Take advantage of new features in Windows Server 2008, including server and domain isolation, IPv6, and improved DNS functionality.
- Use key functionality and benefits of a Server Core installation, including adding and configuring Roles.
- Manage the new backup infrastructure in Windows Server 2008, including Volume Shadow Copy service, scheduled and manual backups, media, the Universal Disk Format (UDF), and restoring data.
- Describe and use Network Policies and Network Access Protection (NAP) and identify enforcement options.
- Describe and manage Windows Deployment Services, including image capture and management.
- Describe and use new Windows Server Virtualization features to consolidate servers, provide for disaster recovery, and optimize server utilization.
- Use failover clustering and load balancing to maintain a high level of network availability.
- Monitor and optimize network performance using Windows Server 2008's included tools like Windows System Resource Manager.

**Course Content :**

Module 1: Configuring Windows Server 2008. This module explains how to install and configure Windows Server 2008. It also explores using Server Manager to work with roles, features, and other aspects of server configuration like Automatic Updates. Module 2: Next Generation Networking. This module explains how to use new and improved networking features in Windows Server 2008, including server and domain isolation, IPv6, and DNS. Module 3: Server Core. This module explains how to use key functionality and benefits of a Server Core installation, including adding and configuring roles.

Module 4: Windows Backup. This module provides an overview of the new backup infrastructure in Windows Server 2008, including Volume Shadow Copy service, scheduled vs. manual backups, media, the Universal Disk Format (UDF), and restoring data. Module 5: Network Policies and Access Protection. This module explains how to use Network Access Protection (NAP) and related technologies to enforce security and client health policies. Module 6: Windows Deployment Services. This module explains how to use benefits and components of Windows Deployment Services, including image capture and management.

Module 7: Windows Server Virtualization. This module explains how to use new capabilities and architecture in Windows Server Virtualization, including integrated management functions for physical and virtual environments. Module 8: High Availability Features. This module explains how to use failover clustering and network load balancing. Module 9: Performance Monitoring and Optimization. This module explains how to use Windows Server 2008's performance monitoring tools, including using Windows System Resource Manager to implement server resource controls.

**Course Prerequisites :**

- On-the-job experience in planning, implementing, managing, or supporting Microsoft Windows Server 2000 or 2003, including Active Directory and Network Infrastructure
- Working knowledge of networking, for example, TCP/IP and Domain Name System (DNS).
- Designed a Microsoft Windows Server 2003 Active Directory and

**Testing and Certification :**

Network Infrastructure • Designed Security for a Microsoft Windows Server 2003 Network • Installed, Configured, and Administered Microsoft Windows 2000, Windows XP Professional, or Microsoft Vista.	
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<b>Further Information :</b>
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M6415/	For more information, or to book your course, please call Global Knowledge on 0800/84 009 email <a href="mailto:info@globalknowledge.be">info@globalknowledge.be</a> or visit <a href="http://www.globalknowledge.be">www.globalknowledge.be</a> Global Knowledge Belgium bvba – Zandvoortstraat 1 – 2800 Mechelen
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