

Supporting Windows server 2012

A 5 day **Hands on** training course



Description

This course focuses on the initial implementation and configuration of core services, such as Networking, Storage, Active Directory Domain Services (AD DS), Group Policy, File and Print Services, and Hyper-V.



Key outcomes

By the end of the course delegates will be able to:

- ✓ Deploy and Manage Windows Server 2012.
- ✓ Describe and AD DS manage AD DS objects.
- ✓ Automate AD DS Administration.
- ✓ Implement IPv4, IPv6, DHCP and DNS.
- ✓ Implement local storage. and file & print services.
- ✓ Secure Windows servers by using Group. Policy Objects (GPOs).
- ✓ Implement server virtualisation with Hyper-V.



Training approach

This structured course uses Instructor Led Training to provide the best possible learning experience. Small class sizes ensure students benefit from our engaging and interactive style of teaching with delegates encouraged to ask questions throughout the course. Quizzes follow each major section allowing checking of learning. Hands on sessions are used throughout to allow delegates to consolidate their new skills.



Details

Who will benefit?

Windows server administrators, IT professionals and technical staff, with a good computing background, who will work with Windows Server 2012 R2.






Prerequisites

Hands on experience of Microsoft products would be beneficial.

Duration: 5 days

Overall rating:



Generic training 	Small class sizes 	Hands On training 	Our courseware 	Customise your course 
<p>Generic training compliments product specific courses covering the complete picture of all relevant devices including the protocols "on the wire".</p> <p><i>"Friendly environment with expert teaching that teaches the why before the how."</i> G.C. Fasthosts</p>	<p>We limit our maximum class size to 8 delegates; often we have less than this. This ensures optimal interactivity between delegates and instructor.</p> <p><i>"Excellent course. The small class size was a great benefit..."</i> M.B. IBM</p>	<p>The majority of our courses use hands on sessions to reinforce the theory.</p> <p><i>"Not many courses have practice added to it. Normally just the theoretical stuff is covered."</i> J.W. Vodafone</p>	<p>We write our own courses; courseware does not just consist of slides and our slides are diagrams not bullet point text.</p> <p><i>"Comprehensive materials that made the course easy to follow and will be used as a reference point."</i> V.B. Rockwell Collins</p>	<p>Please contact us if you would like a course to be customised to meet your specific requirements. Have the course your way.</p> <p><i>"I was very impressed by the combination of practical and theory. Very informative. Friendly approachable environment, lots of hands on."</i> S.R. Qinetiq</p>

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Course content

Deploying and Managing Windows Server 2012

Windows Server 2012 R2 overview. Installing Windows Server 2012 R2. Post-installation configuration of Windows Server 2012 R2. Overview of Windows Server 2012 R2 management. Introduction to Windows PowerShell.

Introduction to AD DS

Overview of AD DS. Overview of domain controllers. Installing a domain controller.

Managing AD DS objects

Managing user accounts. Managing groups. Managing computer accounts. Delegating administration.

Automating AD DS administration

Using Command-line Tools for AD DS administration. Using Windows PowerShell for AD DS administration. Performing bulk operations with Windows PowerShell.

Implementing IPv4

Overview of TCP/IP. Understanding IPv4 addressing. Subnetting and supernetting. Configuring and troubleshooting IPv4.

Implementing DHCP

Installing a DHCP server role. Configuring DHCP scopes. Managing a DHCP database. Securing and monitoring DHCP.

Implementing DNS

Name resolution for Windows clients and servers. Installing a DNS server. Managing DNS zones.

Implementing IPv6

Overview of IPv6. IPv6 Addressing. Coexistence with IPv4. IPv6 transition technologies.

Implementing local storage

Overview of storage. Managing disks and volumes. Implementing storage spaces.

Implementing file and print services

Securing files and folders. Protecting shared files and folders by using shadow copies. Configuring work folders. Configuring network printing.

Implementing group policy

Overview of group policy. Group policy processing. Implementing a central store for administrative templates.

Securing Windows Servers using GPOs

Windows operating systems security overview. Configuring security settings. Restricting software. Configuring Windows firewall with advanced security.

Implementing server virtualisation with Hyper-V

Overview of virtualisation technologies. Implementing Hyper-V. Managing VM storage. Managing virtual networks.

