MERCURY

Networking with Windows Server 2016

13 - 17 Oct 2024
Dubai (UAE)

Networking with Windows Server 2016

Ref.: 15032_279326 **Date:** 13 - 17 Oct 2024 **Location:** Dubai (UAE) **Fees:** 4500 **Euro**

Introduction:

If you need to understand the fundamentals of networking, then the Networking with Windows Server 2016 training will help you achieve just that. You will learn about remote access technologies, IP fundamentals as well as know-how to install, configure advanced networking features to support Windows Server 2016 in an enterprise setting

Targeted Groups:

- IT professionals who have some networking knowledge and experience who are looking for insight into core and advanced networking technologies in Windows Server 2016
- Network administrators who are looking to reinforce existing skills and learn about new networking technology changes and functionality in Windows Server 2016
- System or infrastructure administrators with general networking knowledge who are looking to gain core and advanced networking knowledge and skills on Windows Server 2016

Course Objectives:

At the end of this course the participants will be able to:

- Plan and implement an IPv4 network
- Implement Dynamic Host Configuration Protocol DHCP
- Implement IPv6
- Implement Domain Name System DNS
- Implement and manage IP address management IPAM
- Plan for remote access
- Implement DirectAccess
- Implement virtual private networks VPNs
- Implement networking for branch offices
- Implement software-defined networking

Targeted Competencies:

- Networking
- Planning an IPv4 Network
- Integrating DNS with Active Directory
- Implementing IPAM
- Implementing a VPN
- Implementing Web Application Proxy
- Implementing DFS for Branch Offices

Course Content:

Unit 1: Planning and Implementing an IPv4 Network:

- Planning IPv4 addressing
- Configuring an IPv4 host
- Managing and troubleshooting IPv4 network connectivity

Unit 2: Implementing DHCP:

- Overview of the DHCP server role
- Deploying DHCP
- Managing and troubleshooting DHCP

Unit 3: Implementing IPv6:

- Overview of IPv6 addressing
- Configuring an IPv6 host
- Implementing IPv6 and IPv4 coexistence
- Transitioning from IPv4 to IPv6

Unit 4: Implementing DNS:

- Configuring zones in DNS
- Configuring name resolution between DNS zones
- Configuring DNS integration with Active Directory Domain Services AD DS
- Configuring advanced DNS settings

Unit 5: Implementing and Managing IPAM:

- IPAM Overview
- Deploying IPAM
- Managing IP address spaces by using IPAM

Unit 6: Remote Access in Windows Server 2016:

- Remote access overview
- Implementing Web Application Proxy

Unit 7: Implementing DirectAccess:

- Overview of DirectAccess
- Implementing DirectAccess by Using the Getting Started Wizard
- Implementing and managing an advanced DirectAccess infrastructure

Unit 8: Implementing VPNs:

- Planning VPNs

Unit 9: Implementing Networking for Branch Offices:

- Networking features and considerations for branch offices
- Implementing a Distributed File System DFS for branch offices
- Implementing BranchCache for branch offices

Unit 10: Configuring Advanced Networking Features:

- Overview of high-performance networking features
- Configuring advanced Hyper-V networking features

Unit 11: Implementing Software-Defined Networking SDN

- Overview of SDN
- Implementing network virtualization
- Implementing Network Controller

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Registration form on the :
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