

CORSO 20741

Planning ed Implementing IPv4 Network in Windows 2016

Questo corso intende trasmettere le competenze fondamentali in ambito networking per gestire il deployment e il supporto di Windows Server 2016. Nel corso vengono trattati i fondamenti di IP, le tecnologie per il remote access e altri argomenti più avanzati quali il software defined networking.

Questo corso aiuta gli allievi nella preparazione dell' [esame di certificazione Microsoft 70-741](#)

Durata del corso: 4 giorni

Destinatari del corso:

- Professionisti IT e amministratori di Windows Server che desiderano aggiornare le loro conoscenze e competenze relativamente alla tecnologia di networking di Windows Server 2016;
- Professionisti IT con conoscenze informatiche generali, che stanno cercando di acquisire conoscenze su Windows Server, in particolare sulle tecnologie di rete in Windows Server 2016;
- Professionisti IT che desiderano ottenere la certificazione Microsoft 70-741

Obiettivi del corso:

Al termine del corso i partecipanti saranno in grado di:

- 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.
- Configure advanced networking features.
- Implement software defined networking.

Programma del corso 20741:

MODULE 1: PLANNING AND IMPLEMENTING AN IPv4 NETWORK

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

MODULE 2: IMPLEMENTING DHCP

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

MODULE 3: IMPLEMENTING IPv6

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

MODULE 4: IMPLEMENTING DNS

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

MODULE 5: IMPLEMENTING AND MANAGING IPAM

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

MODULE 6: REMOTE ACCESS IN WINDOWS SERVER 2016

- Remote access overview
- Implementing Web Application Proxy

MODULE 7: IMPLEMENTING DIRECTACCESS

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

MODULE 8: IMPLEMENTING VPNS

- Planning VPNs
- Implementing VPNs

MODULE 9: IMPLEMENTING NETWORKING FOR BRANCH OFFICES

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

MODULE 10: CONFIGURING ADVANCED NETWORKING FEATURES

- Overview of high performance networking features
- Configuring advanced Hyper-V networking features
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MODULE 11: IMPLEMENTING SOFTWARE DEFINED NETWORKING

- Overview of software defined networking
- Implementing network virtualization
- Implementing Network Controller