

Microsoft Windows Server 2016 Networking (70-741)

This intermediate Microsoft Server 2016 training teaches systems administrators to implement key network services like DNS, DHCP, IPAM, and VPN, as well as advanced solutions such as Software-Defined Networking (SDN) and Hyper-V Network Virtualization (HNV). Learn to manage network infrastructure, improve connectivity, and configure advanced network features for efficient Server 2016 deployments.

[CBT Nuggets course material](#) →

WEEK 1

Microsoft Windows Server 2016: Networking (70-741): Overview

152 min.

Introduction to Networking with Windows Server 2016 1

Microsoft Windows Server 2016: Networking (70-741): DNS

DNS and Labs Overview 13

Adding the DNS Server Role 18

DNS Forwarding and PowerShell Intro 16

DNS Root Hints 19

Adding Active Directory (AD) 19

Troubleshooting DNS 12

DNS Records Overview 20

DNS Zones Overview 19

Reverse Lookup Zones 15

WEEK 2

158 min.

DNS Round Robin 20

DNS Delegation 8

DNS Stub Zones 13

DNS GlobalNames Zone 6

DNS Recursion 15

DNS Security (DNSSEC) 24

DNS Cache Locking and Socket Pool 11

DNS Response Rate Limiting 10

DNS Policy: Load Balancing 19

DNS Policy: Client Source Address 16

DNS Policy: Time-based Requests 16

WEEK 3

160 min.

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DNS Scavenging 7
DANE and TLSA Records 25
DNS Stats, Management, and Servers 11
DNS Resource Record Hands-on Lab 19

Microsoft Windows Server 2016: Networking (70-741): DHCP and IPAM

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DHCP Reservations 17
DHCP Options 17

WEEK 4

162 min.

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DHCP Relay Verification and Troubleshooting 23
DHCP Dynamic Updates to DNS 14
DHCP PXE Boot Support 14
DHCP Super and Multicast Scopes 23
DHCP Policies 9
DHCP Preparing IPv6 Networking 26
DHCP Creating IPv6 Scopes 19
DHCP Split Scopes 14

WEEK 5

156 min.

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DHCP L2 MAC Filtering 10
DHCP Troubleshooting 18
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Manage DHCP using IPAM 14
IPAM Role-based Access Control (RBAC) 16
Using IPAM to Manage IP Addresses 22

WEEK 6

170 min.

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Microsoft Windows Server 2016: Networking (70-741): NAT, VPNs, NPS, and RADIUS

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Port Forwarding NAT/PAT 16
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DirectAccess 24
VPN Connection Profiles using CMAK 18
Site-to-Site VPN 23
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WEEK 7

154 min.

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RADIUS Accounting	12
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Microsoft Windows Server 2016: Networking (70-741): IPv4, DFS, and More

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Stealing Host Bits for More Networks	21

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162 min.

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Extract the Subnet ID from a Host Address	12
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ISATAP	16
Teredo Tunnels	11
6to4 Tunnels	16
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WEEK 9

103 min.

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High-performance Network Solutions	8
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