

## Microsoft® Windows Server® 2016: Networking (Exam 70-741)



### Course Outline:

#### **Lesson 1: Implementing an IPv4-Based Network**

- Topic A:** Identify the TCP/IP Protocol Suite
- Topic B:** Implement IPv4 Addressing
- Topic C:** Implement Subnetting and Supernetting
- Topic D:** Configure and Troubleshoot IPv4

#### **Lesson 2: Implementing IPv6**

- Topic A:** Implement IPv6 Addressing
- Topic B:** Implement IPv6 Alongside IPv4
- Topic C:** Transition from IPv4 to IPv6

#### **Lesson 3: Implementing DHCP**

- Topic A:** Install the DHCP Server Role
- Topic B:** Manage DHCP Scopes and Database
- Topic C:** Secure a DHCP Server
- Topic D:** Configure Advanced DHCP Settings

#### **Lesson 4: Implementing DNS**

- Topic A:** Identify DNS Concepts

**Topic B:** Configure the DNS Server Role

**Topic C:** Configure DNSSEC

**Topic D:** Configure Socket Pool and Cache Locking

**Topic E:** Implement Advanced DNS Settings

**Topic F:** Configure New DNS Features in Windows Server 2016

**Topic G:** Integrate Active Directory and DNS

**Topic H:** Configure Zone Transfers, Delegation, and Conditional Forwarding

**Topic I:** Monitor and Troubleshoot DNS

## **Lesson 5: Implementing IPAM**

**Topic A:** Set Up IPAM

**Topic B:** Configure IPAM Settings

**Topic C:** Manage DHCP and DNS Server Settings Using IPAM

**Topic D:** Implement New IPAM Features in Windows Server 2016

## **Lesson 6: Configuring Remote Access in Windows Server 2016**

**Topic A:** Install Remote Access

**Topic B:** Configure Remote Access

**Topic C:** Configure NPS and RADIUS

## **Lesson 7: Implementing VPN**

**Topic A:** Install VPNs

**Topic B:** Configure VPNs

## **Lesson 8: Implementing DirectAccess**

**Topic A:** Install DirectAccess

**Topic B:** Configure DirectAccess

## **Lesson 9: Configuring Branch Office Solutions**

**Topic A:** Configure DFS Namespaces

**Topic B:** Configure DFS Replication

**Topic C:** Configure DFS RDC

**Topic D:** Troubleshoot DFS

**Topic E:** Configure BranchCache

## **Lesson 10: Implementing Advanced Networking Features**

**Topic A:** Implement High Performance Network Solutions

**Topic B:** Set Up Hyper-V Networking

**Topic C:** Implement Network Printing



**Topic D:** Configure Windows Firewall

## **Lesson 11: Implementing Software-Defined Networking**

**Topic A:** Identify Software-Defined Networking Concepts

**Topic B:** Deploy SDN