

Document Generated: 09/20/2024

Learning Style: On Demand

Provider: Microsoft

Difficulty: Intermediate

Course Duration: 13 Hours

70-741: Networking with Windows Server 2016



About this course:

The course teaches on the concepts pertaining to Microsoft Windows Server 2016 which is a server OS (operating system), formerly known as Windows Server vNext. This server OS was specifically designed for running networked applications. This course has intermediate difficulty level. It has been designed to instill in the students the fundamental networking skills that are very much needed for installing and supporting Windows Server 2016 in majority of the enterprises. The course covers concepts like remote access technologies, IP fundamentals, Software Defined Networking and a lot of the other advanced content. By taking this course, students will be fully trained for Microsoft 70-741: Networking with Windows Server 2016 certification exam.

On average, a Windows Server Administrator earns up to \$55,929/- per annum.

Learning objectives:

The course has the following learning objectives:

- Gaining know-how of the process of planning and deploying IPv4 network
- Gaining know-how of the process of deploying DHCP (Dynamic Host Configuration Protocol)
- Deploying IPv6
- Gaining know-how of the process of deploying DNS (Domain Name System)
- Gaining know-how of the process of deploying alongside regulating IPAM (IP Address Management)
- Gaining know-how of the process of planning for remote access
- Deploying Direct Access
- Gaining know-how of the process of deploying VPNs (Virtual Private Networks)
- Gaining know-how of the process of deploying networking for brand offices
- Configuring the advanced features of networking
- Gaining know-how of the process of deploying SDN (Software Defined Networking)

Audience:

The course has been designed for the IT professionals who have the fundamental knowledge and a working experience of networking. If they are searching for course that provides with detailed knowledge on the basic as well as the advanced-level technologies for networking in Windows Server 2016. The IT experts' audience comprises of:

- Network Administrators, those who want to keep their skills up-to-date and acquire knowledge on the latest networking technology changes as well as the functionality in Windows Server 2016
- Infrastructure or System Administrators, those who already have general networking knowledge, but want to gain the fundamental and advanced skills and knowledge of networking in Windows Server 2016

Requirements:

It is important that students have fulfilled the following requirements before taking the course:

- Having sufficient knowledge as well as working experience of Windows Server 2008 and Windows Server 2012
- Having sufficient knowledge as well as working experience of organizational environment in a Windows Server infrastructure
- Having sufficient knowledge and comprehension of the OSI (open system interconnection) model
- Having sufficient knowledge and comprehension of the fundamental

- networking infrastructure technologies and components like routers, cabling, hubs, and switches
- Having a know-how of networking structures and topologies like LANs (Local Area Networks), wireless networking, and WANs (Wide Area Networks)
 - Fundamental knowledge and adequate comprehension of TCP/ IP addressing, protocol stack, and name resolution
 - Having sufficient knowledge and working experience of virtualization and Hyper-V
 - Having a practical experience of operating Windows Client Operating Systems such as Windows 8.1 or Windows 10

Course Outline:

Following are the outline of the course:

- Course Introduction
- Chapter 01 - Plan and Implement IPv4 and IPv6 Networks
- Chapter 02 - Installing and Configuring DHCP
- Chapter 03 - Installing and Configuring DNS
- Chapter 04 - Implementing and Managing IP Address Management
- Chapter 05 - Implementing Remote Access
- Chapter 06 - Installing and Configuring Branch Office Networking
- Chapter 07 - Implementing Advanced Networking Features
- Course Summary