

# Networking with Windows Server 2016, On Demand, 20741

## Networking with Windows Server 2016, On Demand, 20741

---

 Seminar

 Zurzeit keine Termine

 Teilnahmebescheinigung

 E-Learning

 40 Unterrichtseinheiten

---

Seminarnummer: 29459 | Herstellernummer: OD20741

Stand: 05.06.2023. Alle aktuellen Informationen finden Sie unter <https://akademie.tuv.com/s/29459>

This On Demand online course provides the fundamental networking skills required to deploy and support Windows Server 2016 in most organizations. It covers IP fundamentals, remote access technologies, and more advanced content including Software Defined Networking.

Details zu MOC On Demand Trainings finden Sie unter den Hinweisen weiter unten.

## Nutzen

After completing this course, students 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.
- Configure advanced networking features.
- Implement Software Defined Networking.

## Zielgruppe

This course is intended for existing IT professionals who have some networking knowledge and experience and are looking for a single course that provides insight into core and advanced networking technologies in Windows Server 2016. This audience would typically include:

- 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.

The secondary audience for this course is those IT professionals who are looking to take the MCSA 70-741: Networking with Windows Server 2016 exam.

## Voraussetzungen

In addition to professional experience, students who attend this training should already have the following technical knowledge:

- Experience working with Windows Server 2008 or Windows Server 2012
- Experience working in a Windows Server infrastructure enterprise environment
- Knowledge of the Open Systems Interconnection (OSI) model
- Understanding of core networking infrastructure components and technologies such as cabling, routers, hubs, and switches
- Familiarity with networking topologies and architectures such as local area networks (LANs), wide area networks (WANs) and wireless networking
- Some basic knowledge of the TCP/IP protocol stack, addressing and name resolution
- Experience with and knowledge of Hyper-V and virtualization
- Hands-on experience working with the Windows client operating systems such as Windows 8.1 or Windows 10
- Students can meet the prerequisites by attending the following courses, or by having knowledge and skills equivalent to: 10967A: Fundamentals of a Windows Server Infrastruct

## Inhalte des Seminars

Module 1: Planning and implementing an IPv4 network This module also explains how to use fundamental networking tools and techniques to configure and troubleshoot IPv4-based networks.

Module 2: Implementing DHCP This module explains how to plan and implement DHCP to support the IPv4 infrastructure.

Module 3: Implementing IPv6 This module explains how to implement IPv6, and how to integrate IPv6 and IPv4 networks.

Module 4: Implementing DNS This module explains how to install, configure, and troubleshoot DNS within the organizations network. Module 5: Implementing and managing IPAM This module explains how to implement and manage the IPAM feature in Windows Server 2016. This module also explains how to use IPAM to manage services such as DHCP and DNS.

Module 6: Remote access in Windows Server 2016 This module explains how to plan for remote access in Windows Server 2016 and how to implement Web Application Proxy.

Module 7: Implementing DirectAccess This module explains how to implement and manage DirectAccess in Windows Server 2016.

Module 8: Implementing VPNs This module explains how to implement and manage remote access in Windows Server 2016 by using VPNs.

Module 9: Implementing networking for branch offices This module explains how to implement network services for branch offices.

Module 10: Configuring advanced networking features This module explains how to implement an advanced networking infrastructure.

Module 11: Implementing Software Defined Networking This module explains how to implement SDN.

Details zu den Lessons und Labs siehe MOC20741

## Wichtige Hinweise

MOC On Demand Trainings sind original Microsoft Trainings, in denen Sie zeit- und ortsungebunden lernen können. Diese Trainings enthalten:

- Zugang zum offiziellen Microsoft Video on Demand Kurs für 90 Tage ab dem ersten Zugriff.
- Einen Lab-Online-Zugang für praktische Übungen, der ab Kauf 6 Monate gültig ist.
- Eine originale MOC Schulungsunterlage in digitaler Form, wie sie auch in den Live-Trainings eingesetzt wird.

Weitere Details entnehmen Sie unserer MOC On Demand Landingpage unter [www.tuv.com/Microsoft](http://www.tuv.com/Microsoft)

## Terminübersicht und Buchung

Buchen Sie Ihren Wunschtermin jetzt direkt online unter <https://akademie.tuv.com/s/29459> und profitieren Sie von diesen Vorteilen:

- Schneller Buchungsvorgang
- Persönliches Kundenkonto
- Gleichzeitige Buchung für mehrere Teilnehmer/innen.

Alternativ können Sie das Bestellformular verwenden, um via Fax oder E-Mail zu bestellen.