AZ-104: Configure and manage virtual networks for Azure administrators

✓ 11100 XP ▶

8 hr 16 min • Learning Path12 Modules

Beginner   Administrator   Azure   Azure Application Gateway   Azure Bastion

Azure DNS   Azure ExpressRoute   Azure Firewall   Azure Load Balancer

Azure Virtual Machines   Azure Virtual Network   Azure VPN Gateway   Azure Virtual Desktop

Learn how to configure and manage Azure network capabilities like connectivity services, application protection, application delivery, and network monitoring services.

Here are the learning paths in the AZ-104 Azure Administrator series:

AZ-104: Prerequisites for Azure administrators

AZ-104: Manage identities and governance in Azure

AZ-104: Implement and manage storage in Azure

[AZ-104: Deploy and manage Azure compute resources](#)

AZ-104: Configure and manage virtual networks for Azure administrators

[AZ-104: Monitor and back up Azure resources](#)

This learning path helps prepare you for [Exam AZ-104: Microsoft Azure Administrator.](#)

Prerequisites

- [Microsoft Azure Fundamentals: Describe cloud concepts](#)
- [Azure Fundamentals: Describe Azure architecture and services](#)
- [Azure Fundamentals: Describe Azure management and governance](#)
- [AZ-104: Prerequisites for Azure administrators](#)

⊕ **Add**

Modules in this learning path

Configure virtual networks

35 min • Module11 Units

★★★★★ 4.8 (3,127)

✓ 1200 XP ▶

Learn to configure virtual networks and subnets, including IP addressing.

Overview ⌄

⊕ Add

Configure network security groups ✓ 1000 XP ▶

36 min • Module9 Units

★★★★★ 4.8 (2,736)

Learn how to implement network security groups, and ensure network security group rules are correctly applied.

Overview ⌄

⊕ Add

Configure Azure DNS ✓ 1200 XP ▶

31 min • Module11 Units

★★★★★ 4.7 (2,304)

Learn how to configure Azure DNS including custom domain names and record sets.
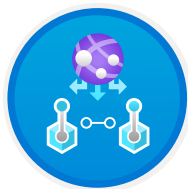
Overview ⌄

⊕ Add

Configure Azure Virtual Network peering ✓ 900 XP ▶

41 min • Module8 Units

★★★★★ 4.8 (2,259)

Learn to configure an Azure Virtual Network peering connection and address transit and connectivity concerns.

Overview ⌄

⊕ **Add**

Configure network routing and endpoints   ✓ 1000 XP ▶

51 min • Module9 Units

★★★★★ 4.7 (1,977)

Learn how to configure network routes, including endpoints and private links.

Overview ⌄

⊕ **Add**

Configure Azure Load Balancer   ✓ 1200 XP ▶

1 hr 4 min • Module11 Units

★★★★★ 4.8 (1,997)

Learn how to configure an internal or public load balancer.

Overview ⌄

⊕ **Add**

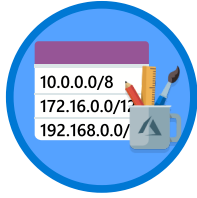---

Configure Azure Application Gateway   ✓ 700 XP ▶

19 min • Module6 Units

★★★★★ 4.8 (1,947)

Learn how to configure Azure Application Gateway.

Overview ⌄

⊕ **Add**

Design an IP addressing schema for your Azure deployment

✓ 800 XP ▶

37 min • Module6 Units

★★★★★ 4.8 (5,842)

A good Azure IP addressing schema provides flexibility, room for growth, and integration with on-premises networks. The schema ensures that communication works for deployed resources, minimizes public exposure of systems, and gives the organization flexibility in its network. If not properly designed, systems might not be able to communicate, and additional work will be required to remediate.

Overview ⌄

⊕ Add

Distribute your services across Azure virtual networks and integrate them by using virtual network peering

✓ 600 XP ▶

42 min • Module6 Units

★★★★★ 4.8 (8,063)

Use virtual network peering to enable communication across virtual networks in a way that's secure and minimally complex.

Overview ⌄

⊕ Add

Host your domain on Azure DNS

✓ 800 XP ▶

43 min • Module7 Units

★★★★★ 4.8 (7,442)

Create a DNS zone for your domain name. Create DNS records to map the URL to an IP address. Test that the domain name resolves to your web server.

Overview ⌄

⊕ Add

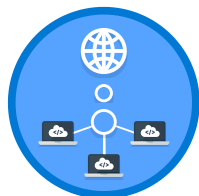### Manage and control traffic flow in your Azure deployment with routes

✓ 900 XP ▶

50 min • Module 7 Units

★★★★★ 4.7 (5,931)

Learn how to control Azure virtual network traffic by implementing custom routes.

Overview ⌄

⊕ Add

Improve application scalability and resiliency by using Azure Load Balancer

✓ 800 XP ▶

47 min • Module 6 Units

★★★★★ 4.8 (4,569)

Discuss the different load balancers in Azure and how to choose the right Azure load balancer solution to meet your requirements.

Overview ⌄

⊕ Add