



Microsoft Learn

Spark possibility



AZ-500

Microsoft Azure Security Technologies



Virt Cert

Thomas Jäkel

brainymotion

Lead Trainer Cloud Infrastructure

Microsoft Certified Trainer since 1999

github.com/www42/az-500




Agenda

Learning Path 1: Manage identity and access

Learning Path 2: Secure networking


Learning Path 3: Secure compute, storage, and databases

Learning Path 4: Manage security operations


 COURSE
Microsoft Azure Security Technologies

[Continue course >](#)


Training in this course




[AZ-500: Manage identity and access](#)
⌚ 6 hr 24 min • Learning Path • 4 units



[AZ-500: Secure networking](#)
⌚ 3 hr 12 min • Learning Path • 3 units



[AZ-500: Secure compute, storage, and databases](#)
⌚ 3 hr 52 min • Learning Path • 3 units



[AZ-500: Manage security operations](#)
⌚ 5 hr 15 min • Learning Path • 4 units

Defender Cloud (ASC)
Sentinel
Kusto

Let's get to know each other

Your name

Company affiliation

Title/function

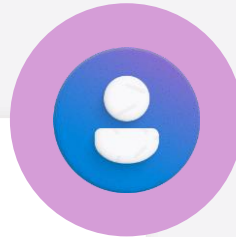
Your experience

Your expectations
for the course



Let's have a great time together

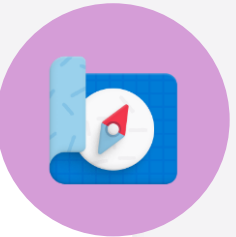
We all contribute to a great class



- Be on time (class hours)
- Be present (avoid mail, calls, side meetings)

11⁴⁵ - 12⁴⁵

What you should know about our facilities



- Internet access
- Parking
- Restrooms
- Emergency

Get the most out of your Microsoft Learn profile

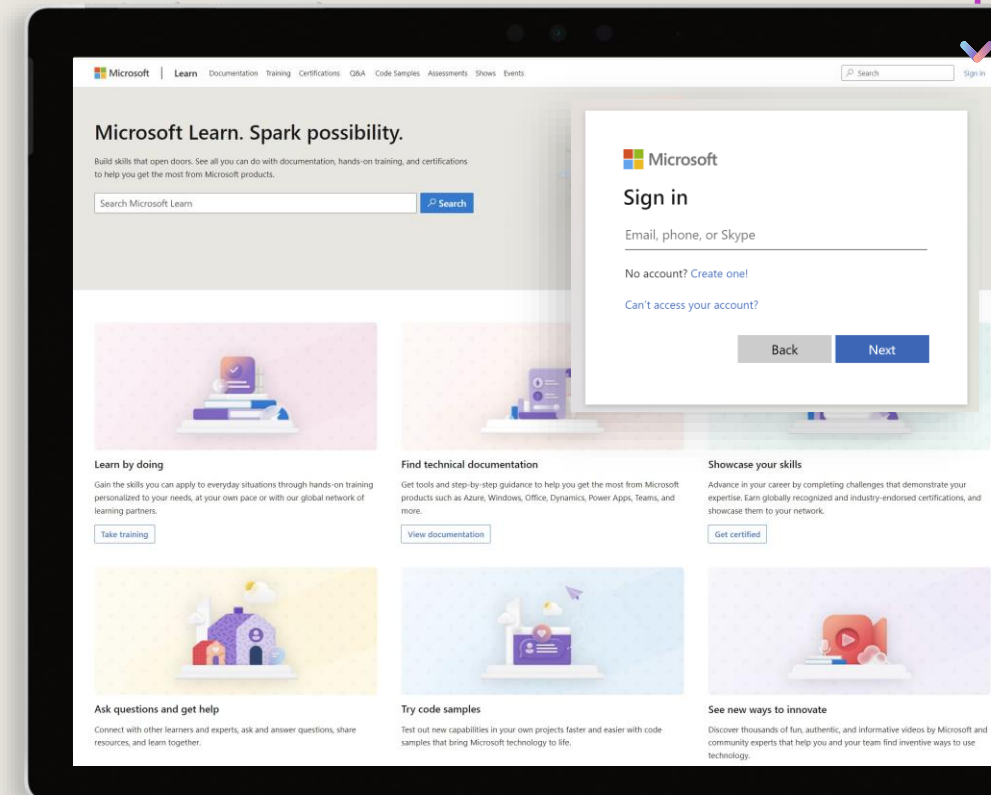
Verify, track, and share your training and certification progress and accomplishments—*all on one platform*

- Claim your achievement code for this course and share you have completed it.
- Access your course material and track progress on your learning activities.
- Share and verify your Microsoft Certifications via email, on social networking platforms, and on your résumé.
- Download and print transcripts and certificates.
- Manage your upcoming activities and certification exam appointments.

www.aka.ms/MyMicrosoftLearnProfile

Create your Microsoft Learn profile at learn.microsoft.com

- Select *Sign in* at the top, right corner of any Microsoft Learn page.
- Follow the Microsoft account authentication process.
- If the account that you have chosen to sign-in with doesn't already have a Microsoft Learn profile, you'll be guided to create one.





Become Microsoft Certified

Learn more at: [microsoft.com/credentials](https://aka.ms/credentials)

Full certification title

★ Expert certification

🔒 This certification has prerequisites

MB-200 MB-310 Exam requirements

| | Infrastructure | Data and AI | Digital app and innovation | Modern work | Business applications | Security |
|--------------|---|--|---|--|---|--|
| Fundamentals | Azure Fundamentals AZ-900 | Azure AI Fundamentals AI-900 Azure Data Fundamentals DP-900 | | Microsoft 365 Fundamentals MS-900 | Dynamics 365 Fundamentals (CRM) MB-910 Dynamics 365 Fundamentals (ERP) MB-920 Power Platform Fundamentals PL-900 | Security, Compliance, and Identity Fundamentals SC-900 |
| Role-based | Azure Administrator Associate AZ-104 Azure Solutions Architect Expert AZ-305 Azure Network Engineer Associate AZ-700 Windows Server Hybrid Administrator Associate AZ-800 AZ-801 | Azure AI Engineer Associate AI-102 Power BI Data Analyst Associate PL-300 Azure Data Scientist Associate DP-100 Azure Data Engineer Associate DP-203 Azure Database Administrator Associate DP-300 Fabric Analytics Engineer Associate DP-600 | Azure Developer Associate AZ-204 DevOps Engineer Expert AZ-400 | Endpoint Administrator Associate MD-102 Administrator Expert MS-102 Collaboration Communications Systems Engineer Associate MS-721 Teams Administrator Associate MS-700 | Dynamics 365 Sales Functional Consultant Associate MB-210 Dynamics 365 Finance Functional Consultant Associate MB-310 Dynamics 365 Customer Service Functional Consultant Associate MB-220 Dynamics 365 Finance and Operations Apps Solution Architect Expert MB-700 Dynamics 365 Field Service Functional Consultant Associate MB-240 Dynamics 365 Customer Experience Analyst Associate MB-280 Dynamics 365 Supply Chain Management Functional Consultant Associate MB-310 Dynamics 365 Supply Chain Management Functional Consultant Expert MB-330 Dynamics 365 Finance and Operations Apps Developer Associate MB-500 Dynamics 365 Business Central Functional Consultant Associate MB-600 Power Platform Functional Consultant Associate PL-200 Power Platform Developer Associate PL-400 Power Automate RPA Developer Associate PL-500 Power Platform Solution Architect Expert PL-600 | Azure Security Engineer Associate AZ-500 Cybersecurity Architect Expert SC-100 Security Operations Analyst Associate SC-200 Identity and Access Administrator Associate SC-300 Information Protection and Compliance Administrator Associate SC-400 |
| Specialty | Azure for SAP Workloads Specialty AZ-120 Azure Virtual Desktop Specialty AZ-140 | Azure Cosmos DB Developer Specialty DP-420 | | | Dynamics 365 Customer Insights (Data) Specialty MB-260 | |

aka.ms/CertificationsPoster | LAST UPDATED JUNE 2024

Access this document in these additional languages.
The English version of this document always has the most up-to-date information.

Brazilian Portuguese Chinese Simplified English French German Japanese Spanish

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Security

Security, Compliance, and Identity Fundamentals

SC-900

Azure Security Engineer Associate

AZ-500

Cybersecurity Architect Expert

SC-100

Security Operations Analyst Associate

SC-200

Identity and Access Administrator Associate

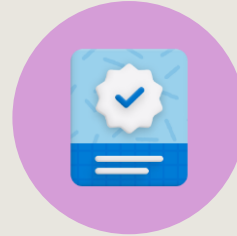
SC-300

Information Protection and Compliance Administrator Associate

SC-400

<https://aka.ms/TrainCertPoster>

Become Microsoft Certified



92%

of certified IT professionals feel more confident
in their abilities after earning certifications¹

Get recognized by earning industry validation for technical knowledge. Ensure you stay current with the necessary skills and expertise for continued success.

Start at learn.microsoft.com/certifications

Microsoft role-based and specialty certifications require annual renewal.²

Learn about certification renewal at
aka.ms/RenewYourCert

¹ "2023 Value of IT Certification | Candidate Report," Pearson VUE, 2023 ² Microsoft fundamentals certifications don't expire

Choose the path that fits your career goals, desired skills, and experience



Microsoft Certifications

Validates broad technical proficiency

Role-based

Breadth of skills

Exam with interactive elements

Scheduled



Microsoft Applied Skills

Validates one specific skill

Project-based

Scenario-specific skills

Assessment via interactive lab experience

On-demand

Goal

Context

Scope

Format

Flexibility

Exam

AZ-900

AZ-500

theor.

Experience the latest innovations for AI transformation

Discover solutions that help modernize and manage intelligent apps, safeguard data, and accelerate productivity, while connecting with partners and growing your community or business.

Online

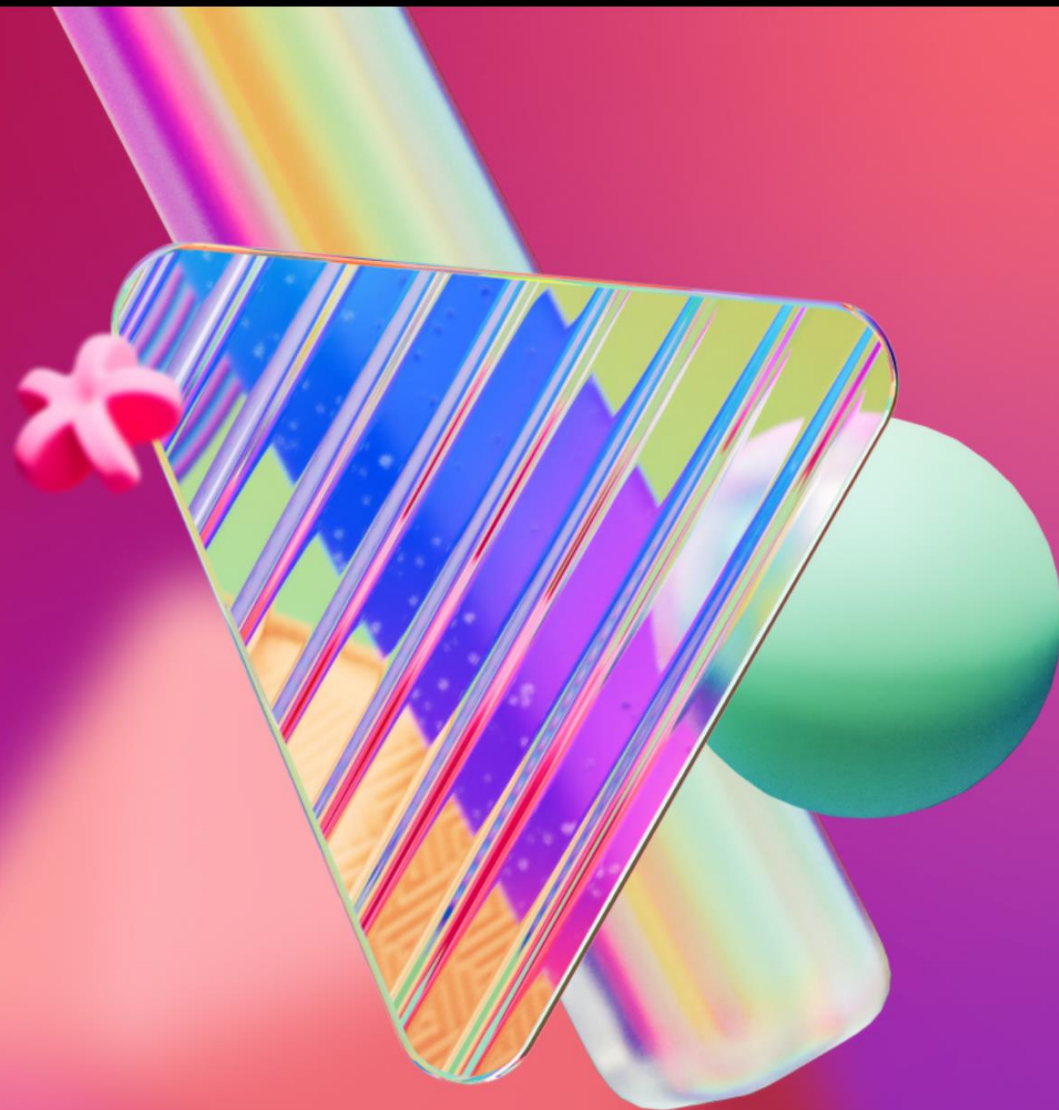
November 19-21, 2024

In Chicago (Sold out)

November 19-22, 2024

Optional Pre-day: Afternoon of November 18, 2024

[Register for Microsoft Ignite >](#)



AZ-500 Labs

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AZ-500T00-A Microsoft Azure Security Technologies: Hands-on Labs



Role-Based Access Control (Expected Duration 1 hours, 30 minutes)

AZ-500T00-A Microsoft Azure Security Technologies [Cloud Slice Provided], Lab 01 (CSS)

Launch

10 of 10 launch attempts remaining



Network Security Groups and Application Security Groups (Expected Duration 1 hours, 30 minutes)

AZ-500T00-A Microsoft Azure Security Technologies [Cloud Slice Provided], Lab 02 (CSS)

Launch

10 of 10 launch attempts remaining



Azure Firewall (Expected Duration 3 hours)

AZ-500T00-A Microsoft Azure Security Technologies [Cloud Slice Provided], Lab 03 (CSS)

Launch

10 of 10 launch attempts remaining



Configuring and Securing ACR and AKS (Expected Duration 1 hours, 30 minutes)

AZ-500T00-A Microsoft Azure Security Technologies [Cloud Slice Provided], Lab 04 (CSS)

Launch

10 of 10 launch attempts remaining



Azure Monitor, Microsoft Defender for cloud, Microsoft Sentinel - Personal - Microsoft Edge

https://labclient.labondemand.com/LabClient/8f862af8-6c16-4020-8b90-2fc06aa335d8

Recycle Bin

Visual Studio Code

Azure Monitor, Microsoft Defender for cloud, Micros...
5 Hr 38 Min Remaining

Instructions Resources Help 100%

Instructions

Exercise 1: Deploy an Azure virtual machine

Exercise timing: 10 minutes

In this exercise, you will complete the following tasks:

- Task 1: Deploy an Azure virtual machine.

Task 1: Deploy an Azure virtual machine

1. Sign-in to the Azure portal
<https://portal.azure.com/>
Sign in to the Azure portal using an account that has the Owner or Contributor role in the Azure subscription you are using for this lab. In this **Cloudslice** lab, this account is **LabUser-41215942@LODSPRODMCA.onmicrosoft.com** with password **eBdD0h#1B!**.
2. Open the Cloud Shell by clicking the first icon in the top right of the Azure Portal. If prompted, select **PowerShell** and **Create storage**.
3. Ensure **PowerShell** is selected in the drop-down menu in the upper-left corner of the Cloud Shell pane.
4. In the PowerShell session within the Cloud Shell pane, run the following to create a resource group that will be used in this lab:

0% Tasks Complete

< Previous Next >

vm-hybrididentity

Virtual machine

Search

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

> Connect

> Networking

> Settings

> Availability + scale

> Security

> Backup + disaster recovery

> Operations

> Monitoring

> Automation

> Help

Portal settings | Appearance + startup views

Search menu

Directories + subscriptions

Appearance + startup views

Language + region

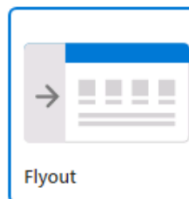
My information

Signing out + notifications

Appearance

Choose menu behavior, your color theme, and whether to use a high-contrast theme.

Menu behavior

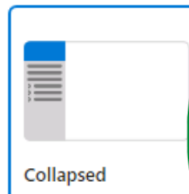


Flyout



Docked

Service menu behavior



Collapsed



Expanded

Theme



Azure



Blue



Light



Dark

High contrast theme



None



White



Black

Useful links

[Learn more about settings](#)

[Safelist URLs](#)

[Microsoft partner network](#)

[Privacy Statement](#)

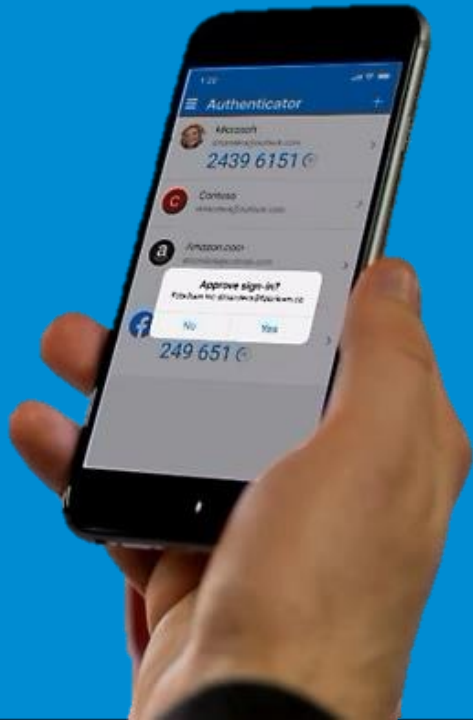
[More Azure resources](#)

[Provide feedback](#)

Apply

Discard changes

Zugang zur Labumgebung gesichert?



Für unser heutiges Training benötigen wir den **Microsoft Authenticator**:

- Kostenfreie App
- Ermöglicht eine schnelle zweistufige Authentifizierung für eine sichere Anmeldung.
- Für alle Konten nutzbar, so auch für Ihr persönliches oder berufliches Microsoft-Konto.
- Zusätzlicher Vorteil: Enthält einen Passwort-Manager.

Warum?

- Schutz Ihrer persönlichen Daten.
- Schutz vor Missbrauch der Microsoft-Umgebung.

End of presentation

