

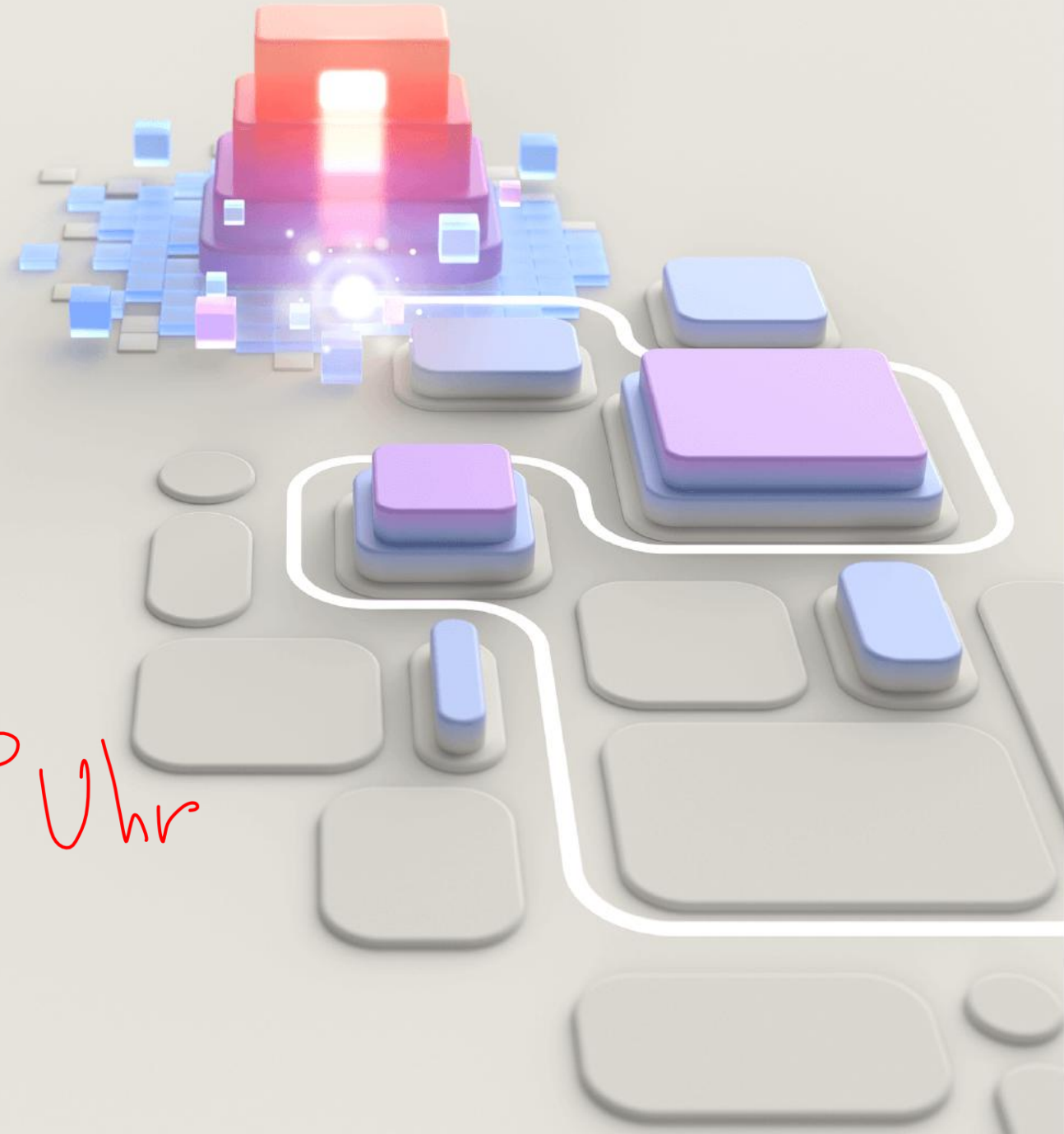


Microsoft Learn Spark possibility

Guten Morgen!

AZ-500 Microsoft Azure Security Technologies

Seminar Startet um 9⁰⁰ Uhr



Thomas Jäkel

brainymotion

Lead Trainer Cloud Infrastructure

Microsoft Certified Trainer since 1999

PowerShell

github.com/www42/az-500

Fortran Physik
NT 4.0

Heidelberg

AI



About this course

AZ-500

KDC

NT

Purpose

- Helps students prepare for the new credential or day to day job tasks
- Bridges fundamental and associate level tasks
- Combines networking and cloud service security skills.
- Focuses on hands-on practice.

AZ-900

**

skillable
GitHub 180 Tage LODS

Prerequisites

- Practical experience in administration of Microsoft Azure and hybrid environments.
- Strong familiarity with compute, network, and storage in Azure, as well as Microsoft Entra ID.
- Familiarity with security management and vulnerability remediation techniques.
- Knowledge of threat modeling and implementation of threat protection measures.

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

Extra ID

NSG
private EP

Container

SQL always enc!

Monitoring
LA

Defender
(ASC)

Sentinel
SIEM

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



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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	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

ka
Sentinel

Auth

<https://aka.ms/TrainCertPoster>

Let's get to know each other

Your name

Company affiliation

Title/function

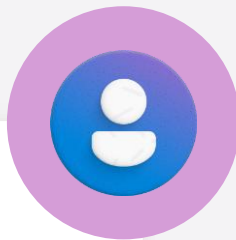
Your experience

Your expectations
for the course



Let's have a great time together

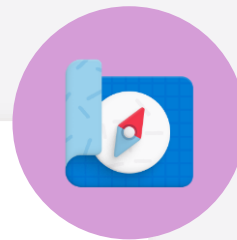
We all contribute to a great class



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

9⁰⁰ — 17⁰⁰
12³⁰ — 13³⁰
15 min

What you should know about our facilities



- Internet access
- Parking
- Restrooms
- Emergency

Get the most out of your Microsoft Learn profile

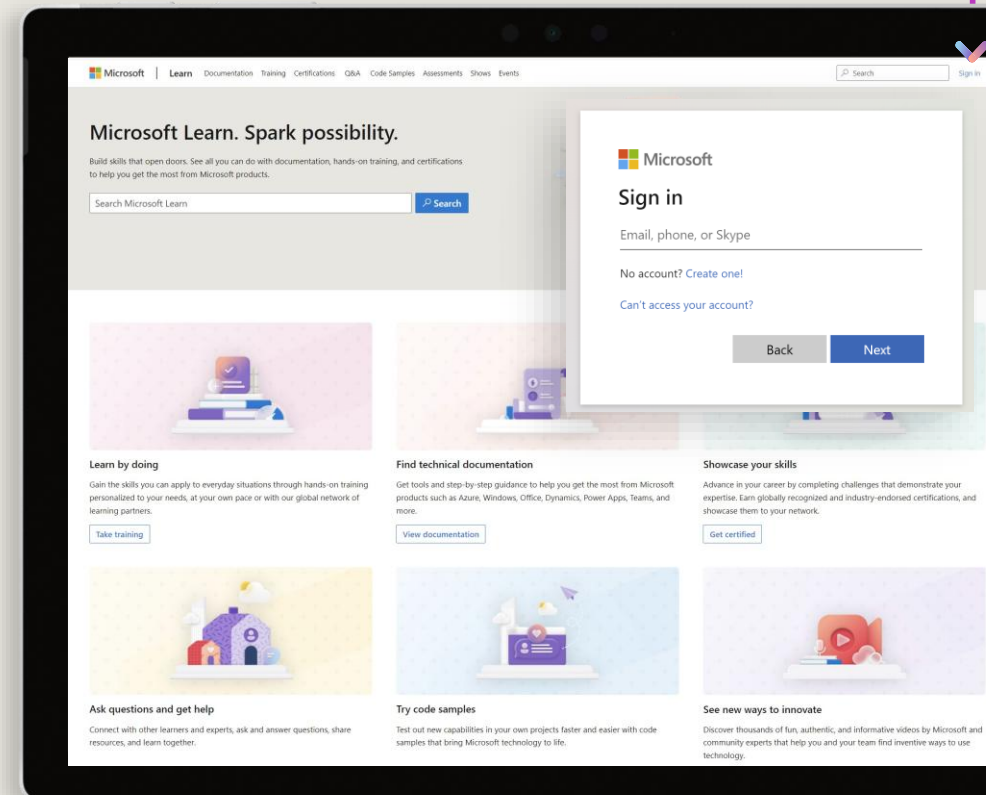
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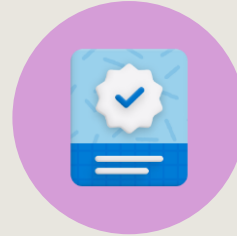
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¹ "2023 Value of IT Certification | Candidate Report," Pearson VUE, 2023 ² Microsoft fundamentals certifications don't expire

AZ-500 Labs

skillable

SOLUTIONS

LEARN

COMPANY

LOGIN

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

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 >