



Microsoft Learn
Spark possibility

MS

DP



AI

AZ-500

Secure cloud resources
with Microsoft security
technologies



Thomas Jäkel

1998

Heidelberg

NT 4.0

AD

~~Novell~~

Lead Trainer Cloud Infrastructure

Microsoft Certified Trainer since 1999

<https://github.com/www42/az-500>

Physik Berlin

2011 Windows Azure

2013 Azure

2016



About this course

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.

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

LP

1 Secure identity and access

Entra ID

2 Secure networking

TCP/IP

EndPoint EP

NSG

FW

WAF

3 Secure compute, storage, and databases

VM

AKS

Storage Account

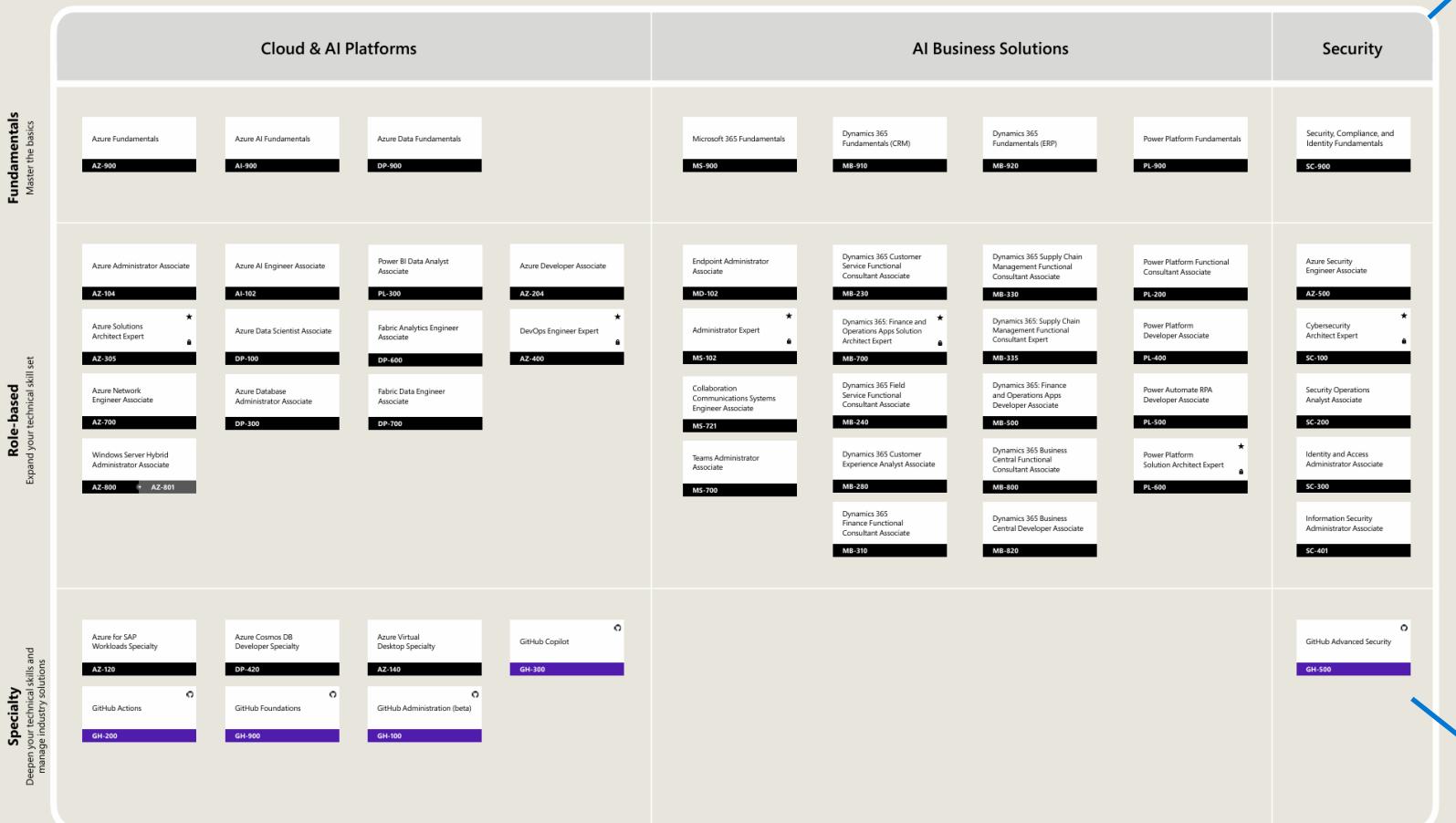
4 Secure Azure using Microsoft Defender for Cloud and Microsoft Sentinel





Certify with Microsoft and GitHub

Learn more at: <https://aka.ms/ExploreCredentials>



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 Security Administrator Associate

SC-401

GitHub Advanced Security

GH-500

Let's get to know
each other

AZ-500
Exam
↳ Cert.

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

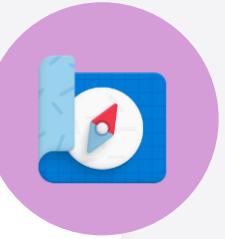
- Be on time (class hours)
- Be present (avoid mail, calls, side meetings)

9⁰⁰ - 17⁰⁰
15 min
12³⁰ - 13³⁰
15 min



What you should know about our facilities

- Internet access
- Parking
- Restrooms
- Emergency



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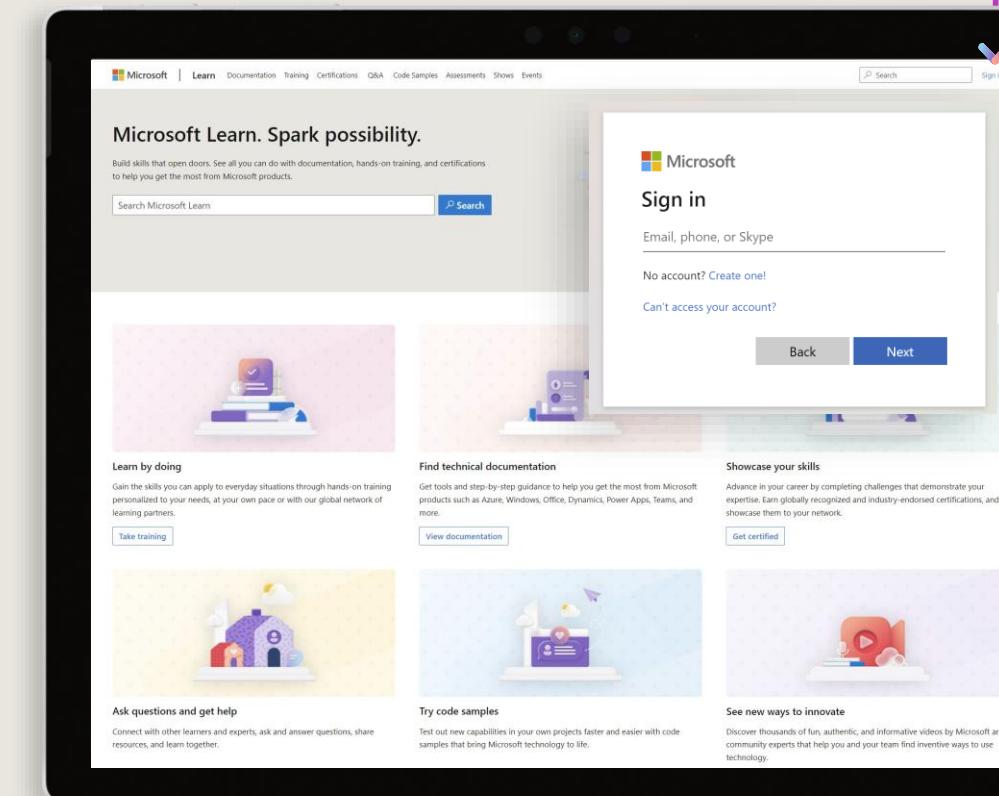
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AZ-500 Labs

Theoria cum Praxi

go deploy
AZ-500T00 | Lab 1

(1) Time remaining **01:28:22**

HOME GUIDE MS LEARN

Lab Guide

Role Based Access Control

Lab 01: Role-Based Access Control

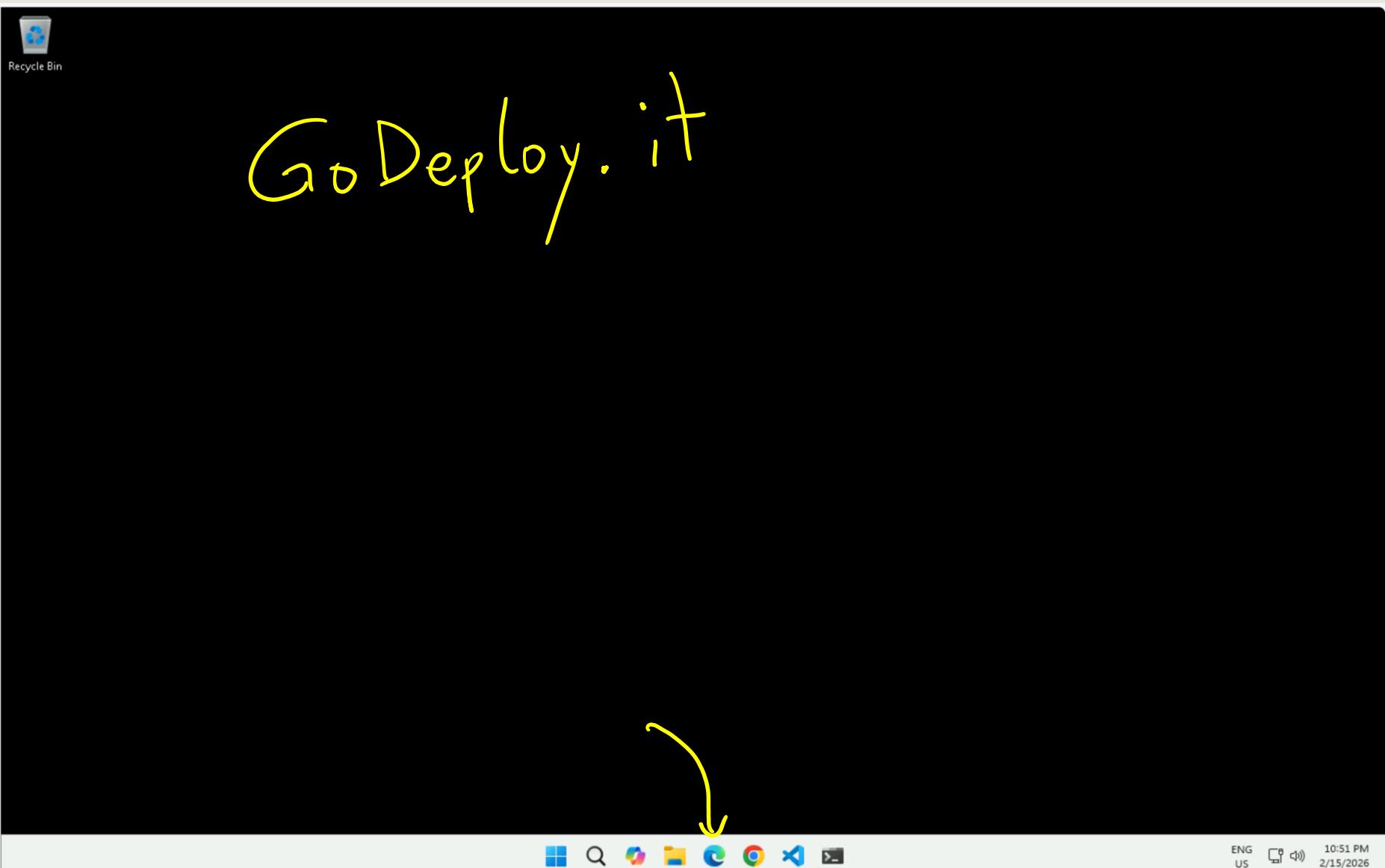
Lab scenario

You have been asked to create a proof of concept showing how Azure users and groups are created. Also, how role-based access control is used to assign roles to groups. Specifically, you need to:

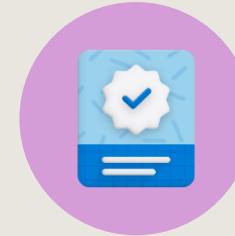
- Create a Senior Admins group containing the user account of Joseph Price as its member.
- Create a Junior Admins group containing the user account of Isabel Garcia as its member.
- Create a Service Desk group containing the user account of Dylan Williams as its member.
- Assign the Azure Devops Administrator role to Dylan Williams.

Lab objectives

In this lab, you will complete the



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