Microsoft

AZ-305

Guten Morgen!

Designing Microsoft Azure Infrastructure Solutions

Seminar startet um 9^{00} Uhr.

Berlin Physik

Heidelberg
NT 4.0
AD EX
ARM
Copilot

Thomas Jäkel

brainymotion

Lead Trainer Cloud Infrastructure

Microsoft Certified Trainer since 1999

ETC

github.com/www42/az-305 Links

About this course

AZ-3054 ← (handwritten)

AZ-104 ← *AZ-900* (handwritten)
Admin *Fund.* (handwritten)

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Exam notwendig (handwritten)

Purpose – Azure Architects

- Subject matter expertise in designing cloud and hybrid solutions
- Expertise includes compute, networking, storage, application services, data solutions, monitoring and security.

Prerequisites

- Working knowledge of networking technologies including connectivity services, application delivery services, and network architectures.
- Working knowledge of storage technologies including relational and non-relational data solutions.

- Working knowledge of compute technologies including virtual machines, containers, and PaaS compute solutions. .
- Experience architecting solutions including security, migration, and business continuity.

AZ-305 Agenda

Module 01 Design a governance solution — *Policies, RBAC, EntraID* *CAF*

Module 02 Design a compute solution — *IaaS CaaS PaaS Serverless*

Module 03 Design a non-relational data storage solution — *SA*

Module 04 Design a data storage solution for relational data — *SQL*

Module 05 Design a data integration solution

Module 06 Design an application architecture solution — *IaC Config API*

Module 07 Design Authentication and Authorization Solutions

Module 08 Design a solution to log and monitor Azure resources — *Azure Monitor LA*

Module 09 Design a network infrastructure solution

Module 10 Design a business continuity solution — *Backup ASR*

Module 11 Design a migration solution

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AZ-900

Microsoft Certified: Azure Solutions Architect Expert

AZ-104

CERTIFICATION EXAM

Microsoft Azure Administrator ✓

Complete one prerequisite

PREREQUISITE OPTION 1

Microsoft Certified: Azure Administrator Associate

Take one exam

AZ-305

CERTIFICATION EXAM

Designing Microsoft Azure Infrastructure Solutions ✓

Earn the certification

EXPERT CERTIFICATION

Microsoft Certified: Azure Solutions Architect Expert
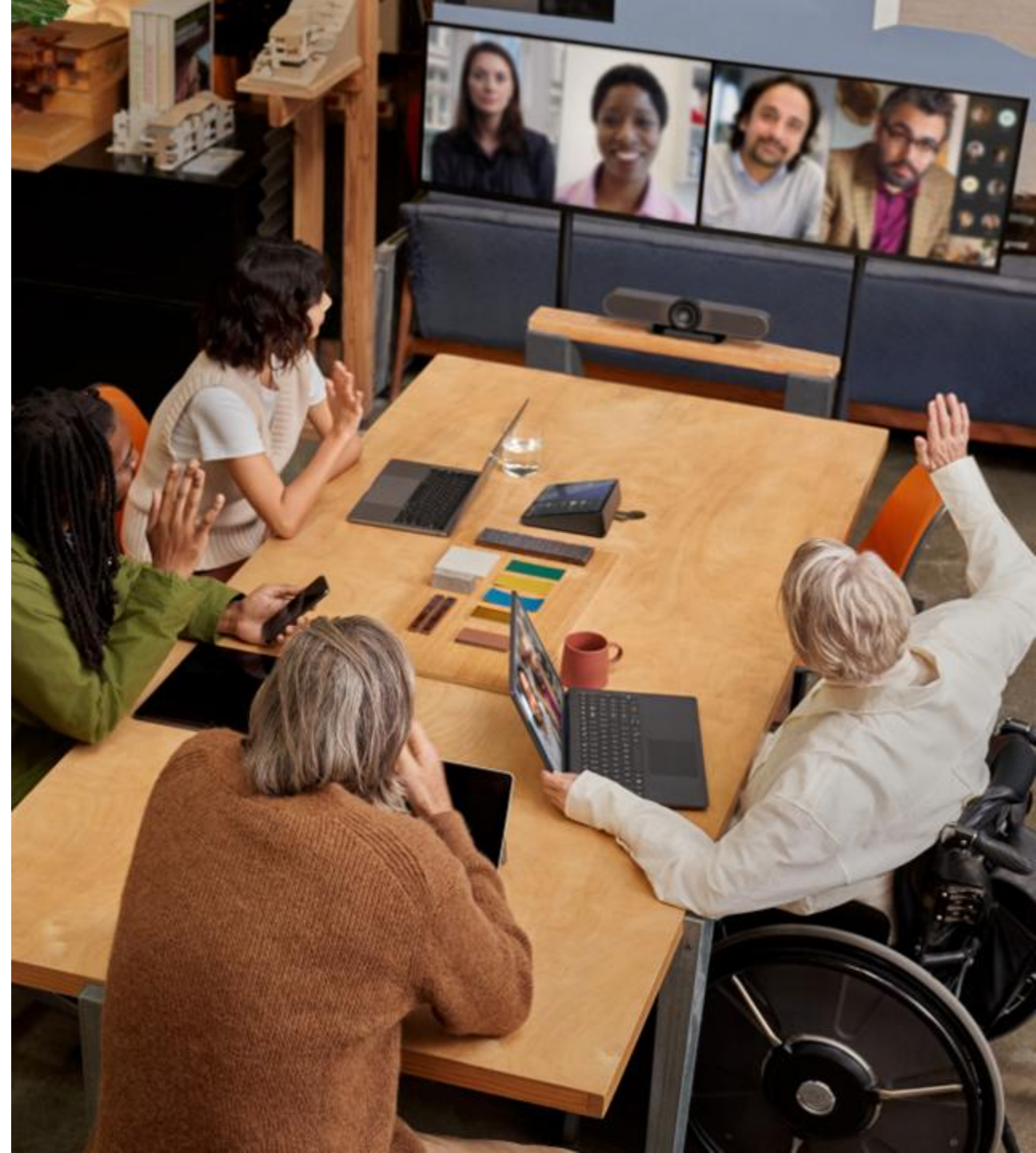
Let's get to know each other

Exam ?

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)

$$9^{00} - 17^{00}$$

$$12^{30} - 13^{30}$$

15 min

15 min

What you should know about our facilities

- Internet access

Case studies

- Tailwind Traders is modernizing its infrastructure and moving to the cloud -

- You have been asked to recommend and suggest new cloud architectures - requirements and tasks are provided in case studies

- Make sure to actively participate in small groups or individually

- Become familiar with the Azure Architecture Center, Azure Charts, and the Azure Documentation.

AZ-305 Challenge Labs

- Login with Training Key
- Azure Subscription paid by Skillable
- 180 Days   3 x

HCS-005: Enable High Availability by Using Availability Sets [Guided]
28 Minutes Remaining

Instructions   Resources   Help   🔍 ⬤——— 100%

skillable challenges

Guided

Enable High Availability by Using Availability Sets

Challenge Overview

Understand the scenario

You are an Administrator for Hexelo, an organization that needs to migrate its web services from its own datacenter to Azure®.

In this Challenge Lab, you will configure high availability by using availability sets. First, you will create an availability set. Next, you will deploy two Azure virtual machines to the availability set. Finally, you will configure load balancing.

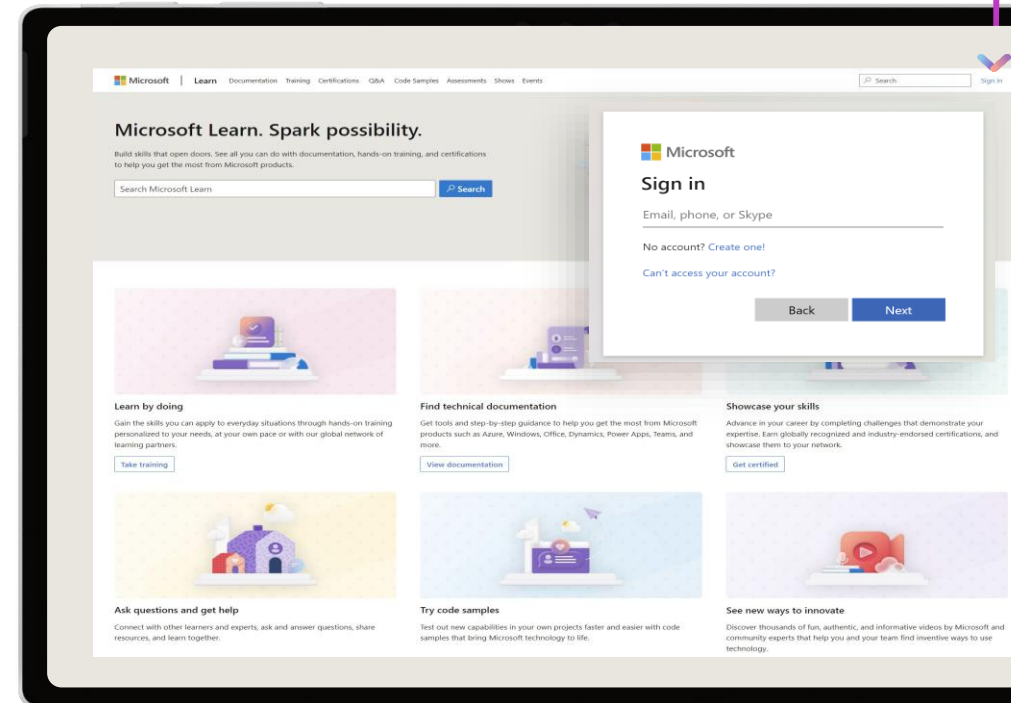# Get the most out of your Microsoft Learn profile

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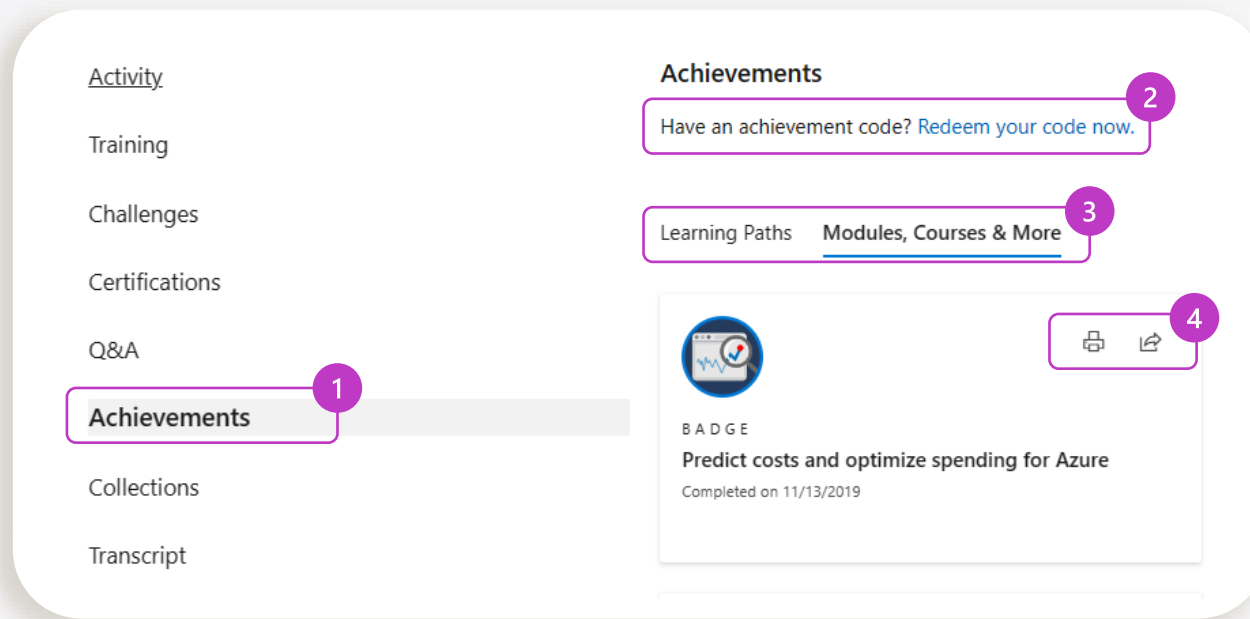**Create your Microsoft Learn profile at learn.microsoft.com**

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