

AZ-305 *Guten Morgen!*

Design Microsoft Azure Infrastructure Solutions

Seminar startet um 10⁰⁰ Uhr.



Thomas Jäkel

Berlin Physik
NT 4.0

2011 Windows Azure
2013 ARM

Lead Trainer Cloud Infrastructure

Microsoft Certified Trainer since 1999

FORTRAN PowerShell
Azure CLI

ARM Template
Bicep

github.com/www42/az-305



About this course

Purpose – Azure Architects

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

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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 - 104

AZ-305 Agenda

Module 01 Design a governance solution

Module 02 Design a compute solution

Module 03 Design a non-relational data storage solution

Module 04 Design a data storage solution for relational data

Module 05 Design a data integration solution

Module 06 Design an application architecture solution

Module 07 Design Authentication and Authorization Solutions

Module 08 Design a solution to log and monitor Azure resources

Module 09 Design a network infrastructure solution

Module 10 Design a business continuity solution

Module 11 Design a migration solution

Let's get to know each other

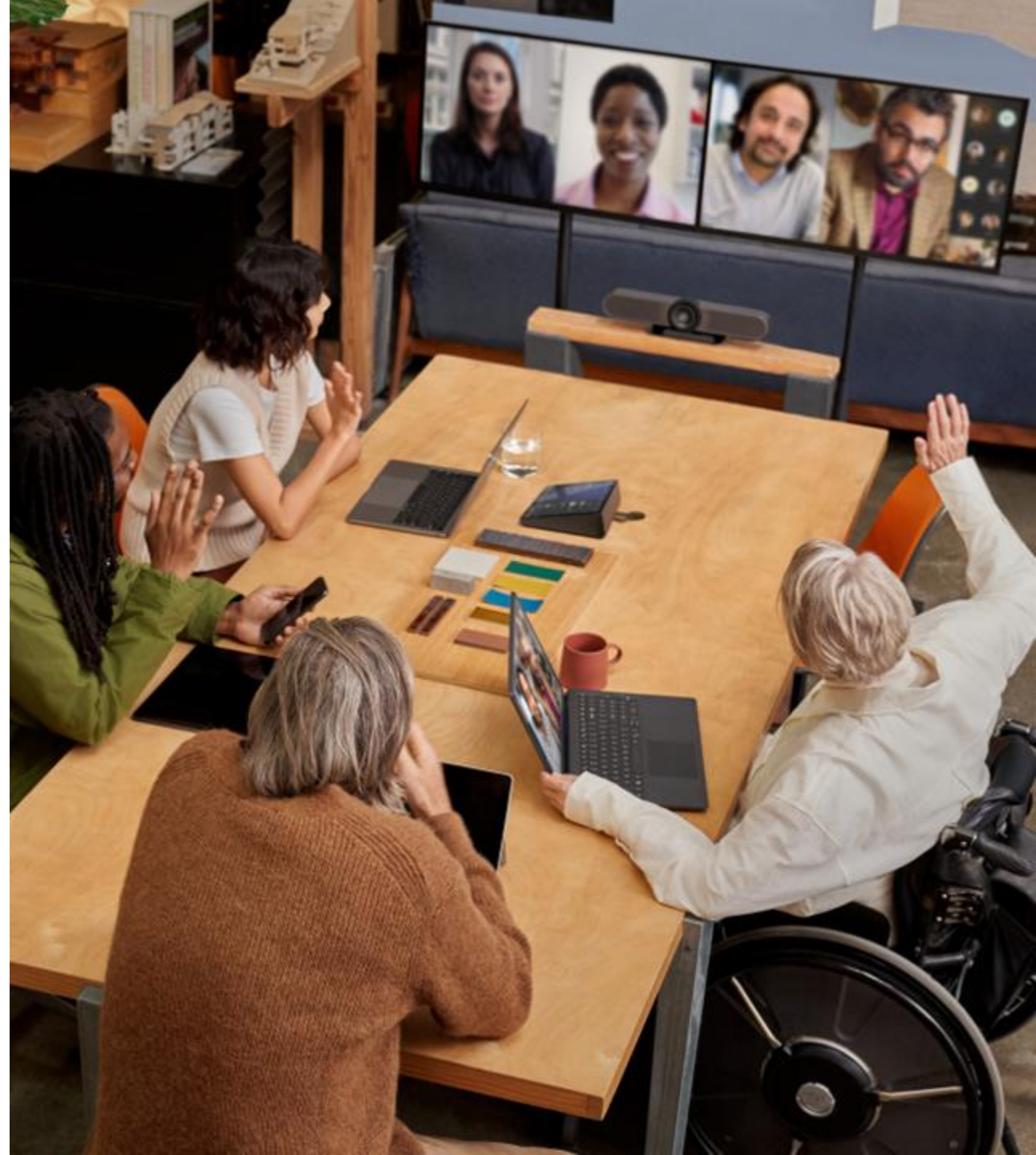
Your name

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 - 17³⁰
12³⁰ - 13³⁰

Do

15⁰⁰

What you should know about our facilities



- Internet access

Get the most out of your Microsoft Learn profile

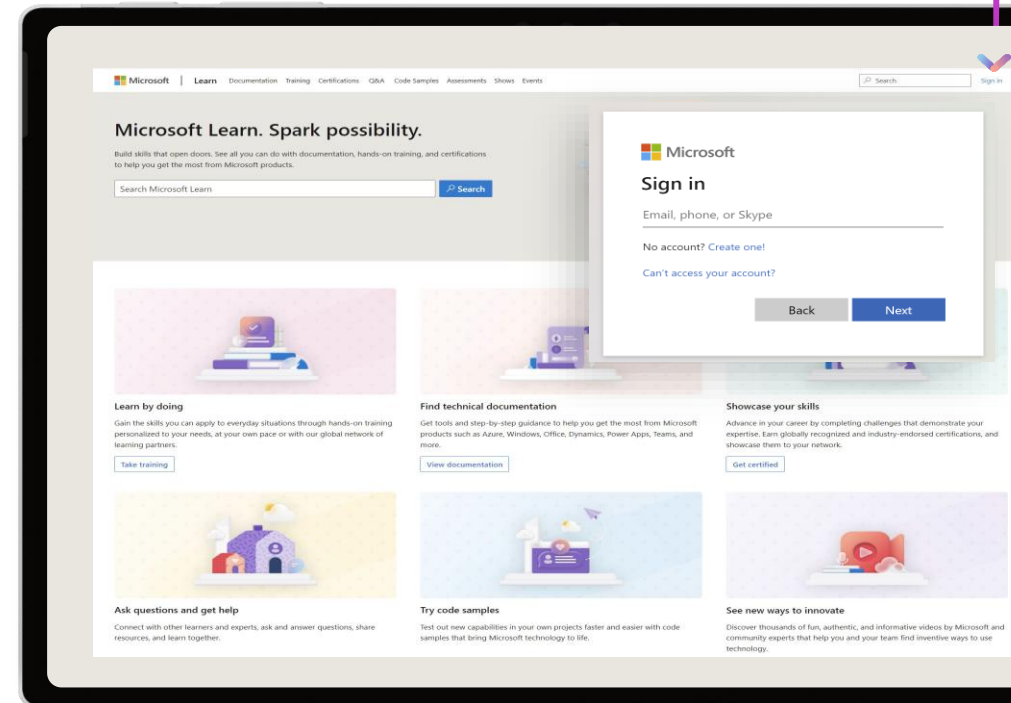
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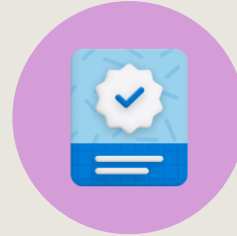
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¹ "2023 Value of IT Certification | Candidate Report," Pearson VUE, 2023 ² Microsoft fundamentals certifications don't expire

Microsoft Certified: Azure Solutions Architect Expert

GH-900

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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

Get ready for your Microsoft Certification exam

Exam AZ-305: Designing Microsoft Azure Infrastructure Solutions

Understand the skills measured by the exam

Study area	Percentage
Design identity, governance, and monitoring solutions	25-30%
Design data storage solutions	20-25%
Design business continuity solutions	15-20%
Design infrastructure solutions	30-35%

Build confidence in your skills

Find in the exam page resources to help prepare

- Watch exam prep videos
- Review the exam study guide
- Take a practice assessment



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](#).
- Consider the Cloud Adoption Framework and Well Architected Framework as you design your case study solutions (next slides)



BACK

AZ-305T00 - Design Microsoft Azure Infrastructure Solutions (Cloud Share) (2024)

In this course, you will learn how to design and implement cloud and hybrid solutions on Azure, covering key areas such as compute, network, storage, monitoring, and security. You'll gain expertise in translating business requirements into Azure solutions that align with best practices, including the Azure Well-Architected and Cloud Adoption Frameworks. Additionally, you'll explore advanced concepts in Azure administration, development, and DevOps processes, while collaborating with various IT roles to create comprehensive solutions.



Microsoft Learn Content

Designing Microsoft Azure Infrastructure Solutions

Your progress

	0%
Total number of Labs:	11
Completed Labs:	0
Remaining Labs:	11
Total available time:	11 h

Labs

1. Tagging resources and implementing policy restrictions

1 h

0%

2. Deploying Azure Batch, Container Apps, Kubernetes, Azure Dev Template app

1 h

0%

3. Securing access to resource with Private Endpoints

1 h

0%

4. Deploying SQL server with secure network access

1 h

0%

~80 Tage