Microsoft

AZ-305

Designing Microsoft Azure Infrastructure Solutions

Guten Morgen!

Thomas Jäkel

brainymotion

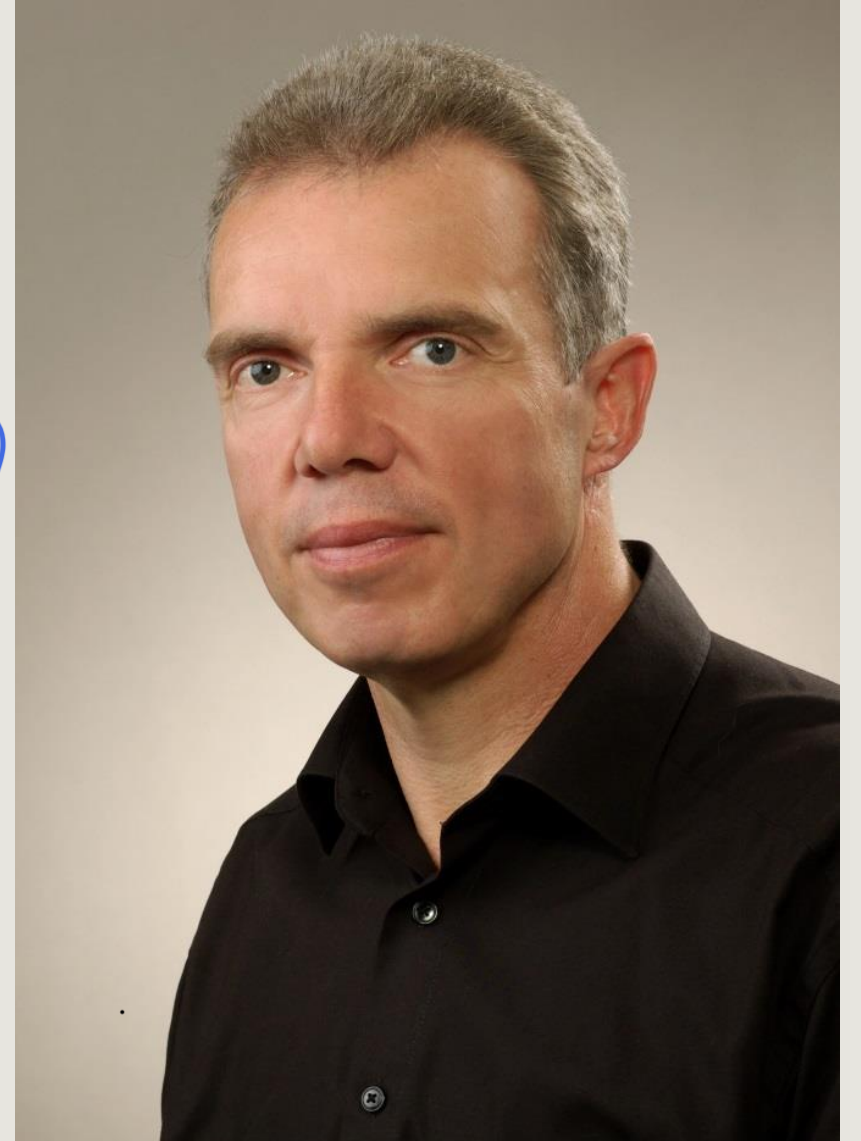**Lead Trainer Cloud Infrastructure**

Microsoft Certified Trainer since 1999

PowerShell

Physik → Heidelberg

IT

NT 4.0 → Azure

ARM Templates json

Bicep (modular!)

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.

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

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

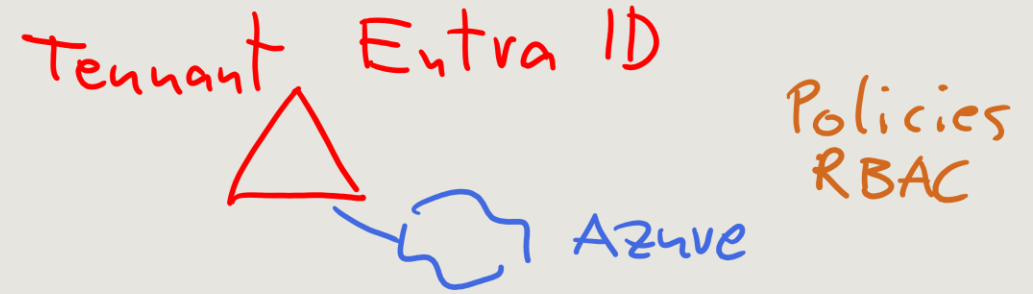Module 06 Design an application architecture solution

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

Tennant   Extra ID
Azure

Policies
RBAC

Storage Account
SQL and more
Big Data

Bicep   IaC

MFA   Sync.

VPN   ER   priv.EP

ASR

on prem   Azure

Fundamentals
AZ-900

Microsoft Certified: Azure Solutions Architect Expert

CERTIFICATION EXAM
Microsoft Azure Administrator

Complete one prerequisite **AZ-104**

PREREQUISITE OPTION 1
Microsoft Certified: Azure Administrator Associate

Take one exam

CERTIFICATION EXAM
Designing Microsoft Azure Infrastructure Solutions

Earn the certification **AZ-305**

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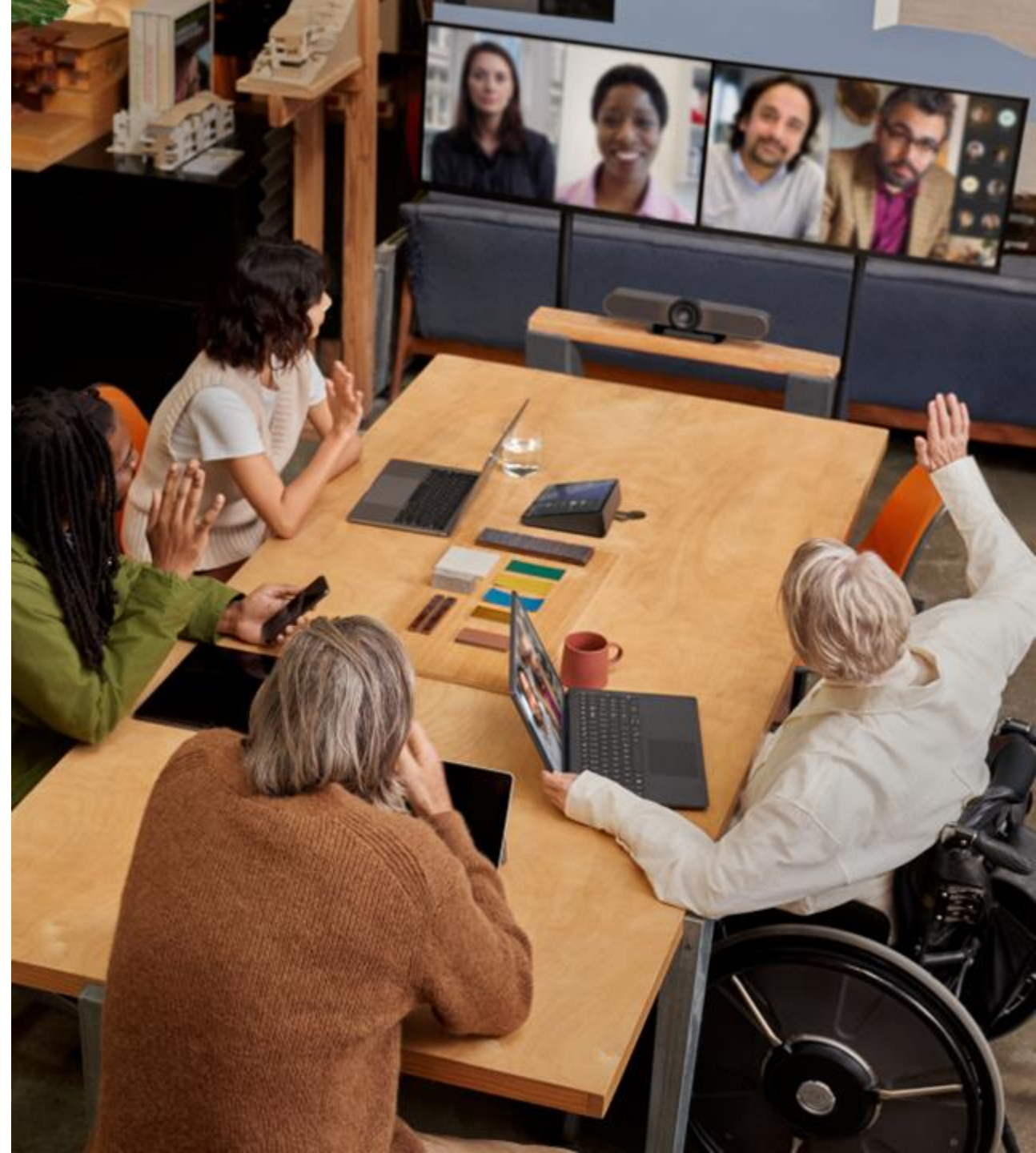
Let's get to know each other

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)

9^{00} — 17^{00} 15 min

12^{30} — 13^{30} 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.

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*[handwritten annotations: "MS Account persönlich", "Firma"]*

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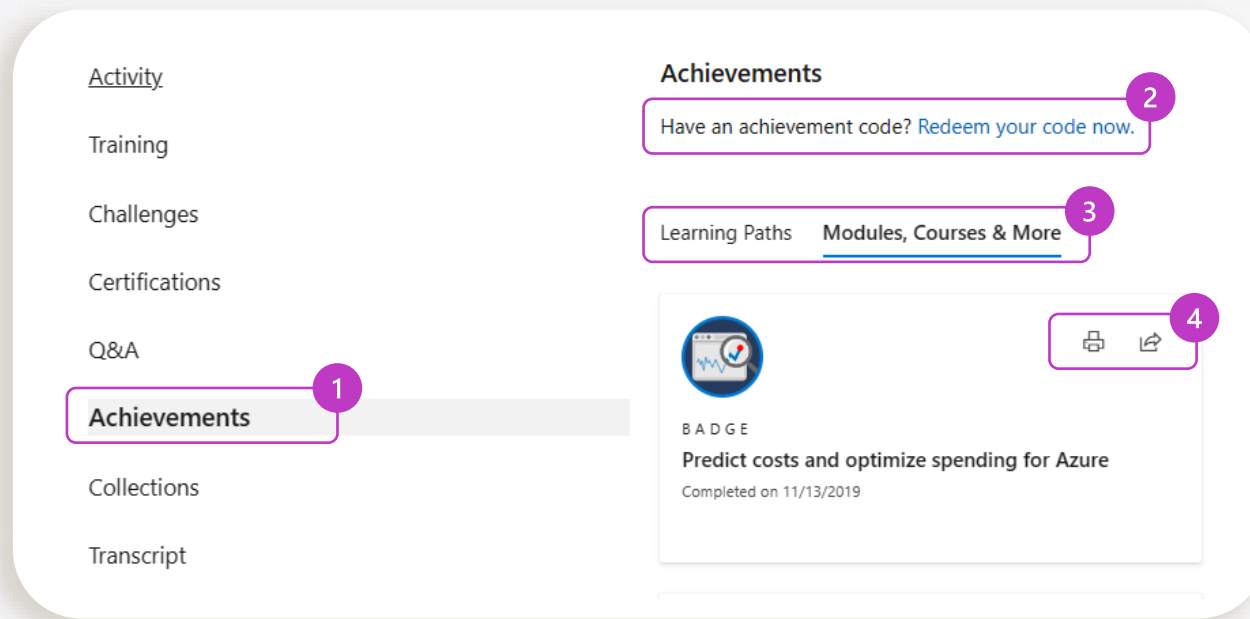
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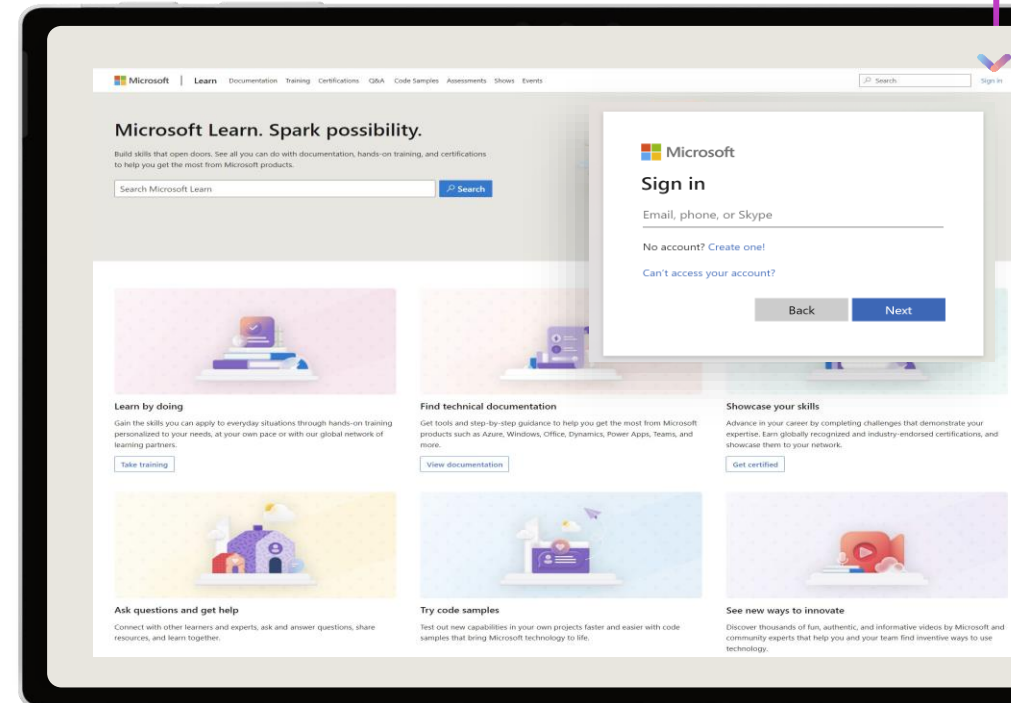
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