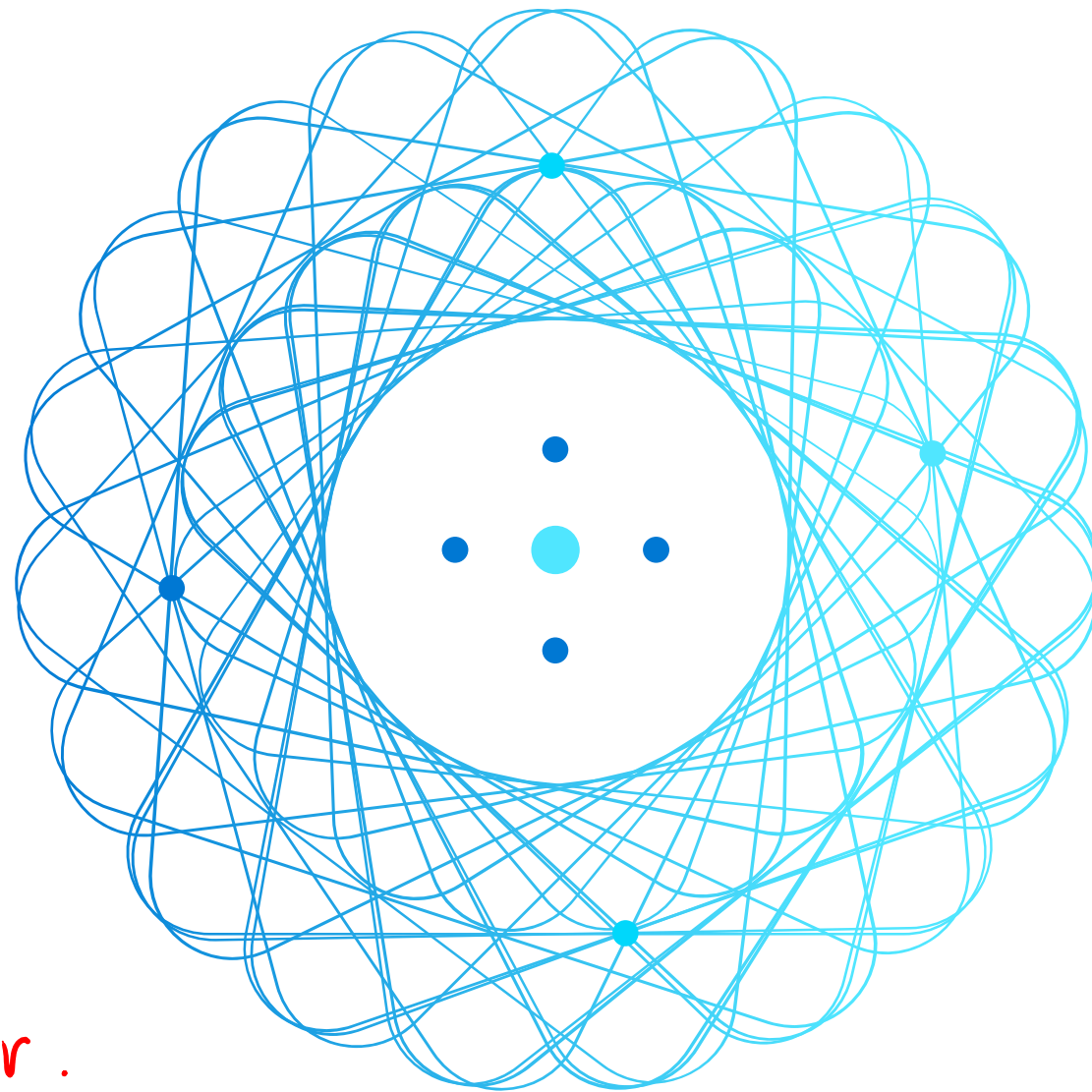


AZ-305

Guten Morgen!

Designing Microsoft Azure Infrastructure Solutions

Seminar startet um 9⁰⁰ Uhr.



Thomas Jäkel

brainymotion

Lead Trainer Cloud Infrastructure

Microsoft Certified Trainer since 1999

FORTRAN

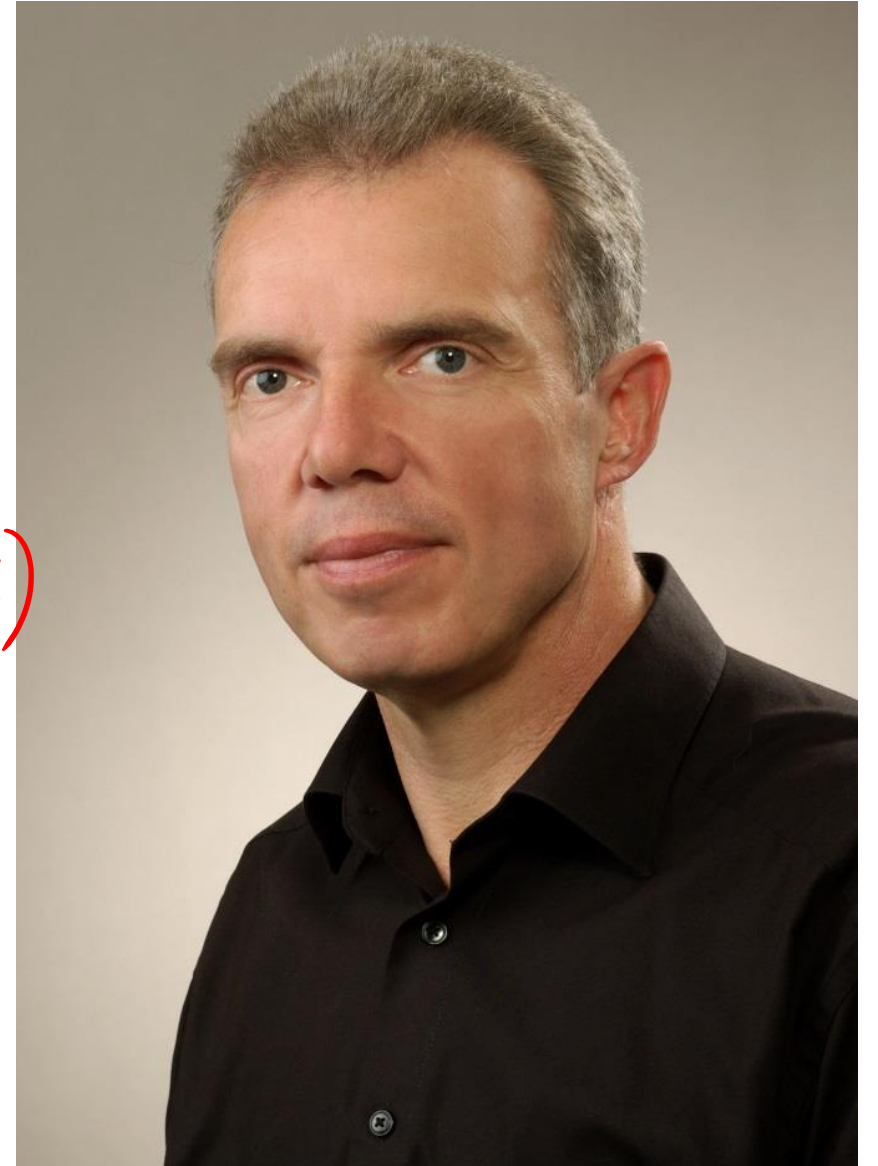
github.com/www42/az-305

Berlin
Physik
↓
NT 4.0

Azure (AWS)

~~Azure AD~~

Entra ID



Azure Solution Architects

AZ-305

* * * ✓
Expert ** ✓
ASOC. *
Fund.

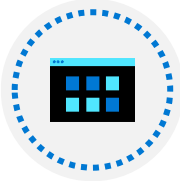
Azure Solution Architects have subject matter expertise in designing cloud and hybrid solutions that include compute, networking, storage, application services, data solutions, monitoring and security.



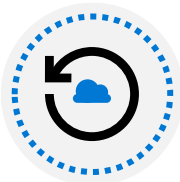
Working knowledge of networking technologies including connectivity services, application delivery services, and network architectures.



Working knowledge of compute technologies including virtual machines, containers, and PaaS compute solutions.



Working knowledge of storage technologies including relational and non-relational data 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

↑ ~~△~~
□ vm OS PaaS Docker K8s

DB

Module 03 Design a non-relational data storage solution

Module 04 Design a data storage solution for relational data

Storage

Module 05 Design a data integration solution

Module 06 Design an application architecture solution ←

Entra

Module 07 Design Authentication and Authorization Solutions

OAuth 2.0

Module 08 Design a solution to log and monitor Azure resources

onprem → △ Azure AD Connect?

Module 09 Design a network infrastructure solution

Module 10 Design a business continuity solution

Module 11 Design a migration solution

⊛ AZ-900
für immer

Microsoft Certified: Azure Solutions Architect Expert

AZ-104



CERTIFICATION EXAM

Microsoft Azure Administrator

7. August

AZ-305

Complete one prerequisite

Take one exam

Earn the certification



PREREQUISITE OPTION 1

Microsoft Certified: Azure
Administrator Associate

1 Jahr Recent



CERTIFICATION EXAM

Designing Microsoft Azure
Infrastructure Solutions



EXPERT CERTIFICATION

Microsoft Certified: Azure
Solutions Architect Expert

1 Jahr

Hello! Student Introductions

Your name

Company affiliation

Title/function

Microsoft Azure experience

Your expectations for the course



HELLO

aka.ms/TrainCertPoster

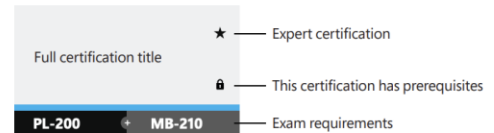


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Azure

Azure Administrator Associate AZ-104	Azure Developer Associate AZ-204
Azure Security Engineer Associate AZ-500	Azure Stack Hub Operator Associate AZ-600
Azure Network Engineer Associate AZ-700	Windows Server Hybrid Administrator Associate AZ-800 + AZ-801
Azure AI Engineer Associate AI-102	Azure Data Engineer Associate DP-203
Azure Database Administrator Associate DP-300	Azure Data Scientist Associate DP-100

Microsoft 365

Developer Associate MS-600	Messaging Administrator Associate MS-203
Modern Desktop Administrator Associate MD-100 + MD-101	Security Administrator Associate MS-500
Teams Administrator Associate MS-700	Teams Voice Engineer Expert MS-720
Enterprise Administrator Expert MS-100 + MS-101	

Dynamics 365

Dynamics 365 Sales Functional Consultant Associate PL-200 + MB-210	Dynamics 365 Marketing Functional Consultant Associate PL-200 + MB-220
Dynamics 365 Customer Service Functional Consultant Associate PL-200 + MB-230	Dynamics 365 Field Service Functional Consultant Associate PL-200 + MB-240
Dynamics 365 Finance Functional Consultant Associate MB-300 + MB-310	Dynamics 365 Supply Chain Management, Manufacturing Functional Consultant Associate MB-300 + MB-320
Dynamics 365 Supply Chain Management Functional Consultant Associate MB-300 + MB-330	Dynamics 365 Commerce Functional Consultant Associate MB-300 + MB-340
Dynamics 365 Finance and Operations Apps Developer Associate MB-300 + MB-500	Dynamics 365 Finance and Operations Apps Solution Architect Expert MB-700

Power Platform

Power Platform App Maker Associate PL-100	Power Platform Functional Consultant Associate PL-200
Power Platform Developer Associate PL-400	Power Platform Solution Architect Expert PL-600
Data Analyst Associate DA-100	

Role-based
Expand your technical skill set

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aka.ms/Learn



Welcome back, Thomas Jäkel

Some items for you since your last visit:



CERTIFICATION

Microsoft Certified: Azure Fundamentals

Next module: Describe cloud computing

Dismiss

Start



COLLECTION

Build 2022 Intro to Tech Skills Collection

Next module: Develop a growth mindset

Dismiss

Start



EXAM

Managing Microsoft Teams

Next module: Explore Microsoft Teams

Dismiss

Start

[Help us customize your path](#)

[See all activity](#)

We think you might like these



LEARNING PATH

AZ-204: Create Azure App Service web apps



LEARNING PATH

AZ-204: Integrate caching and content delivery within



LEARNING PATH

AZ-204: Implement user authentication and authorization

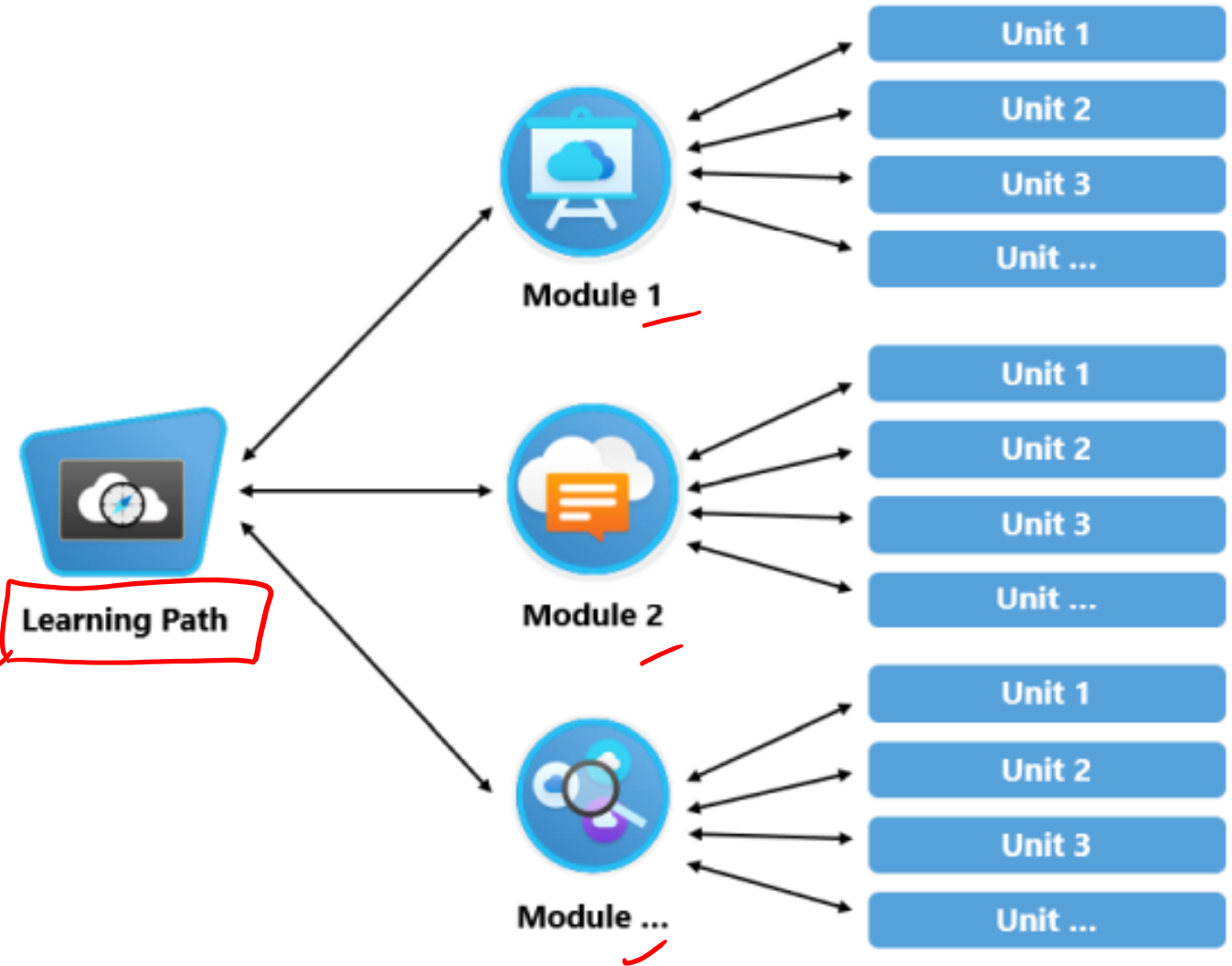
Microsoft Learn

Anonymous

- All Learning Paths

With Learn Account

- Sandboxes
- Exam Registration
- Transcript
- Collections
- Badges
- Level



Student materials on Learn

Learning Paths

- Design identity, governance, and monitoring solutions
- Design data storage solutions
- Design business continuity solutions
- Design infrastructure solutions



<https://aka.ms/AZ-305StudentMaterials>

Course AZ-305T00: Designing Microsoft Azure Infrastructure Solutions

Collection • Edited on 1/14/2022 • Created by Microsoft

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This course teaches Azure Solution Architects how to design infrastructure solutions. Course topics cover governance, compute, application architecture, storage, data integration, authentication, networks, business continuity, and migrations. The course combines lecture with case studies to demonstrate basic architect design principles.

Items in this collection

Design governance and compute solutions

In this module you will learn about governance and compute solutions.

MODULE

Design governance

33 min

★★★★★ 4.9 (162)

MODULE

Design a compute solution

33 min

★★★★★ 4.8 (33)

Case studies

15min

15min

- 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)
- Optional hands-on sandboxes are provided on Learn

9⁰⁰ - 17⁰⁰
12³⁰ - 13³⁰



End of presentation

