

Guten Morgen!

AZ-104

# Microsoft Azure Administrator

Seminar startet um 9<sup>00</sup> Uhr.



Fortran 77

← Berlin  
Physik

Heidelberg  
IT  
NT 4.0

**Thomas Jäkel**

brainymotion

Azure

Lead Trainer Cloud Infrastructure

Microsoft Certified Trainer since 1999

PowerShell

github.com/www42/az-104

Repo



AZ-104

## About this course

### Prerequisites

- Successful Azure Administrators start this role with experience on operating systems, virtualization, cloud infrastructure, storage structures, and networking

~~DB~~

### Azure Administrator Role

- Cloud Administrators manage the cloud services that span storage, networking and compute cloud capabilities, with a deep understanding of each service across the full IT lifecycle
- They take end-user requests for new cloud applications and make recommendations on services to use for optimal performance and scale, as well as provision, capacity, monitor and adjust as appropriate. This role requires communicating and coordinating with vendors
- Cloud Administrators use the Azure Portal and as they become more proficient, they use PowerShell and the Command Line Interface

CLI

ARM Templates

# Course Outline

Learning Path

Entra ID



01: Administer Identity



02: Administer Governance and Compliance

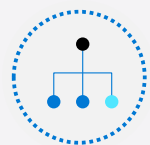
Roles

Policies



03: Administer Azure Resources

Tools



04: Administer Virtual Networking

VNet



05: Administer Intersite Connectivity

Peering  
VPN



06: Administer Network Traffic Management

LB

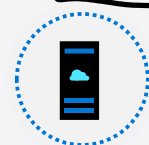


07: Administer Azure Storage



08: Administer Azure Virtual Machines

Hyperv-V



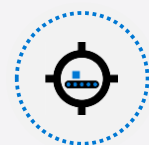
09: Administer PaaS Compute Options

Docker Container / App Service  
K8s



10: Administer Data Protection

Backup Encryption



11: Administer Monitoring

KQL

Kusto Query Lang

Storage Account  
- Blob  
- Files

# Let's get to know each other

- Your name
- Company affiliation
- Title/function
- Your experience
- Your expectations for the course





# Access your course materials

All course content is available on Microsoft Learn



AZ-104: Prerequisites for Azure administrators



AZ-104: Manage identities and governance in Azure



AZ-104: Implement and manage storage in Azure



AZ-104: Deploy and manage Azure compute resources



AZ-104: Configure and manage virtual networks for Azure administrators



AZ-104: Monitor and back up Azure resources

- We'll go through this content together and as the course progresses, I will advise you on which modules to review.
- You can provide feedback for modules on Microsoft Learn. Use the link at the bottom of the page.
- Detailed lab instructions are included in your lab environment.

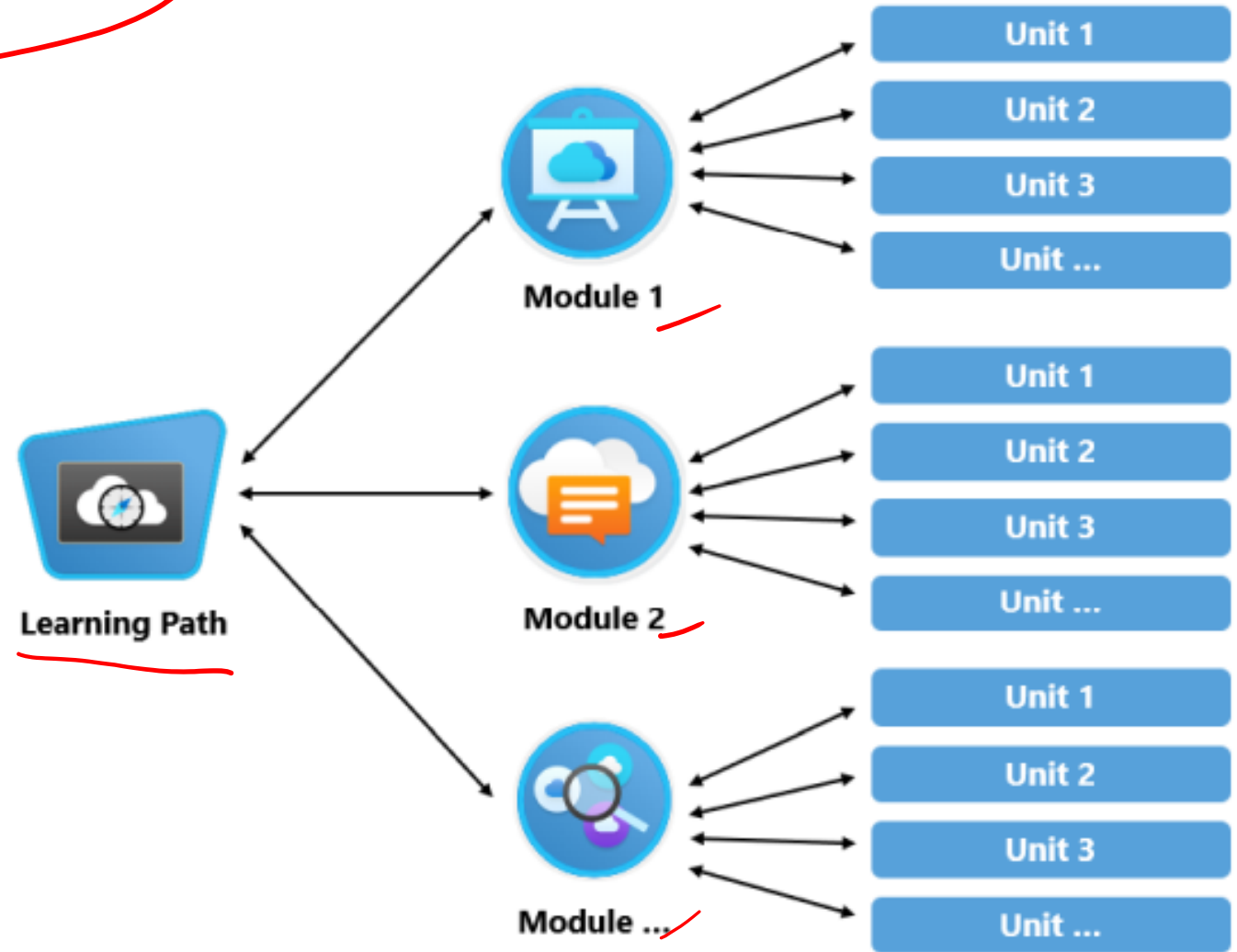
# Microsoft Learn

Anonymous !

- All Learning Paths

With Learn Account

- Sandboxes ←
- Exam Registration ←
- Transcript ←
- Collections
- Badges ←
- Level ←
- Renew Certifications



# 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

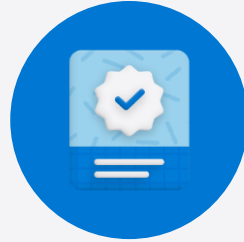


### LEARNING PATH

AZ-204: Implement user authentication and authorization



# Become Microsoft Certified



92%

of certified IT professionals feel more confident  
in their abilities after earning certifications<sup>1</sup>

Get recognized by earning industry validation for technical knowledge. Ensure you stay current with the necessary skills and expertise for continued success.

Start at [learn.microsoft.com/certifications](https://learn.microsoft.com/certifications)

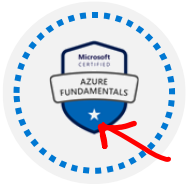
Microsoft role-based and specialty certifications require annual renewal.<sup>2</sup>

Learn about certification renewal at  
[aka.ms/RenewYourCert](https://aka.ms/RenewYourCert)

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

# Microsoft Certifications

Certifications give you a professional edge by providing globally recognized industry endorsed evidence of skills mastery, demonstrating your abilities and willingness to embrace new technologies



Fundamental

## Exam AZ-900: Microsoft Azure **Fundamentals**

Designed for candidates looking to demonstrate foundational level knowledge of cloud services and how those services are provided



Associate  
Renew / Jahr

AZ-104



## Microsoft Certified: Azure Administrator **Associate**

Designed for Azure Administrators who implement, monitor, and maintain compute, storage, network, and security



Expert

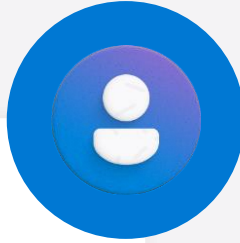
AZ-305

## Microsoft Certified: Azure Solutions Architect **Expert**

Designed for Azure Solutions Architects who create solutions for compute, network, storage, and security

# Let's have a great time together

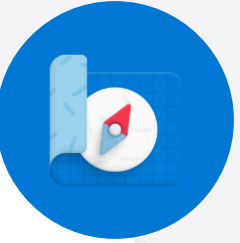
We all contribute to a great class



8<sup>30</sup> - 16<sup>30</sup>

12<sup>00</sup> - 13<sup>00</sup>

What you should know about our facilities



Teams

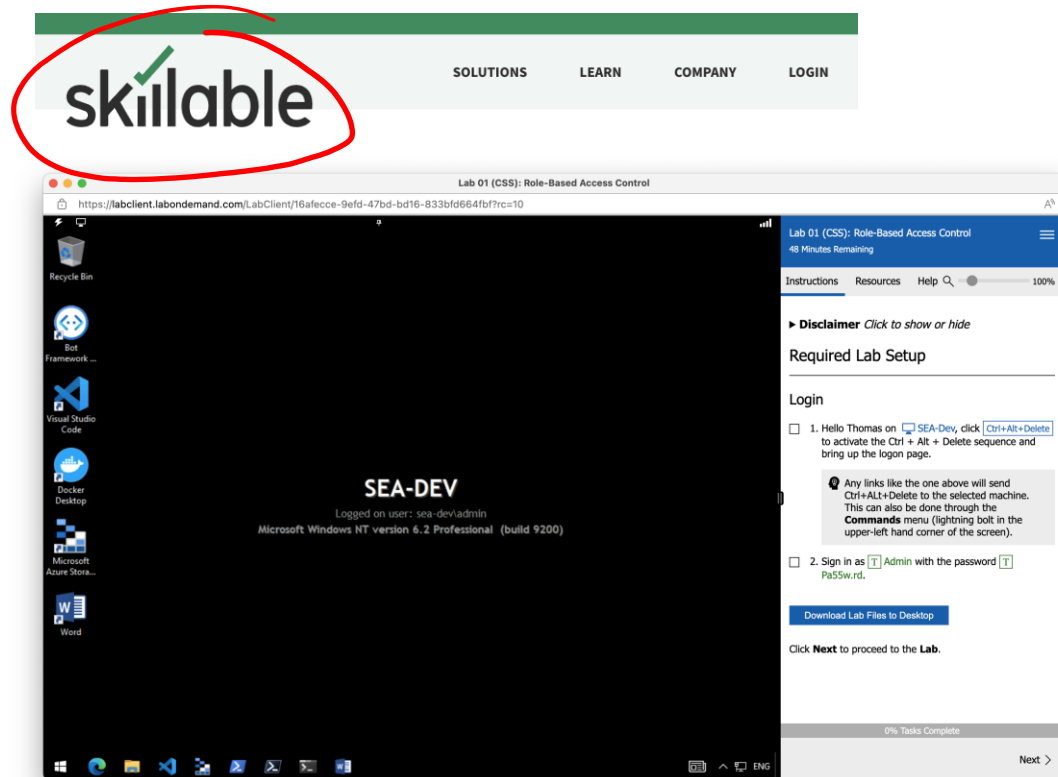
☞ ☞ Monitor

Internet

https://

# AZ-104 Labs

- Login with Training Key
- Azure Subscription paid by Skillable
- SEA-DEV + Instructions
- 180 Days 10 x



End of presentation

