



# Microsoft Learn Spark possibility

AZ-104

Guten Morgen!

# Microsoft Azure Administrator

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



Physik

Thomas Jäkel

[brainymotion](#)

Lead Trainer Cloud Infrastructure

Microsoft Certified Trainer since 1999

PowerShell

[github.com/www42/az-104](https://github.com/www42/az-104)

Heidelberg  
NT 4.0

ARM ← Bicep  
Lang

Azure  
Copilot



AZ-104

# About this course

## Prerequisites

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

## 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

az.\*

Azure CLI

az group list

ARM Temp.  
json

Bicep

Terraform

# AZ-104 Course Outline

A 01: Administer Identity

Entra ID



A 02: Administer Governance and Compliance

RBAC

03: Administer Azure Resources

Tool

04: Administer Virtual Networking

VNet

05: Administer Intersite Connectivity

VNet

06: Administer Network Traffic Management

LB

App GW

07: Administer Azure Storage

Queue

Blob

Files

Table

08: Administer Azure Virtual Machines

Hyper-V

09: Administer PaaS Compute Options

Container App Service

10: Administer Data Protection

Peering

11: Administer Monitoring

NSG

Log Analytics



# 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.

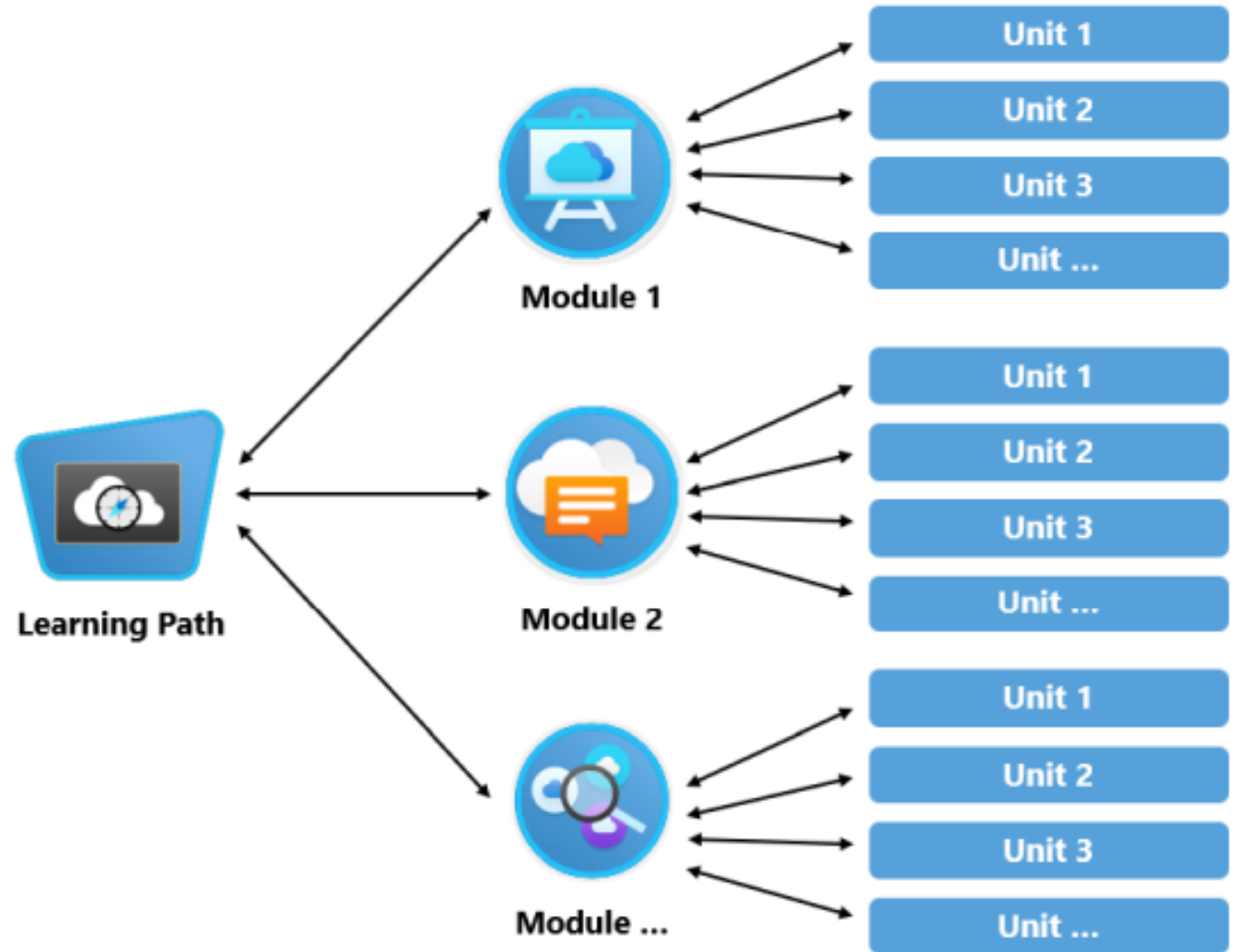
# Microsoft Learn

## 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

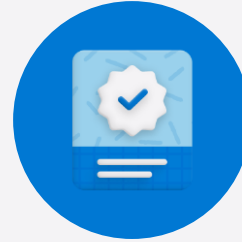
AZ-204: Integrate caching and content delivery within



### 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>

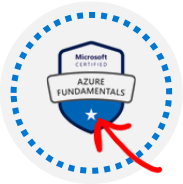
Learn about certification renewal at  
[aka.ms/RenewYourCert](https://aka.ms/RenewYourCert)

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

# Microsoft Certifications

MCSA  
E

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



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

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



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

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

AZ-104



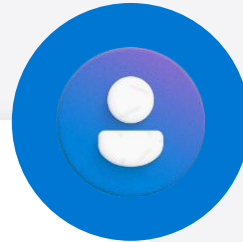
## Microsoft Certified: Azure Solutions Architect **Expert**

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

AZ-305

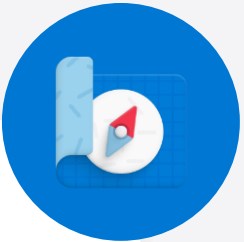
# Let's have a great time together

We all contribute to a great class



9<sup>00</sup> - 17<sup>00</sup>  
12<sup>30</sup> - 13<sup>30</sup>  
15 min

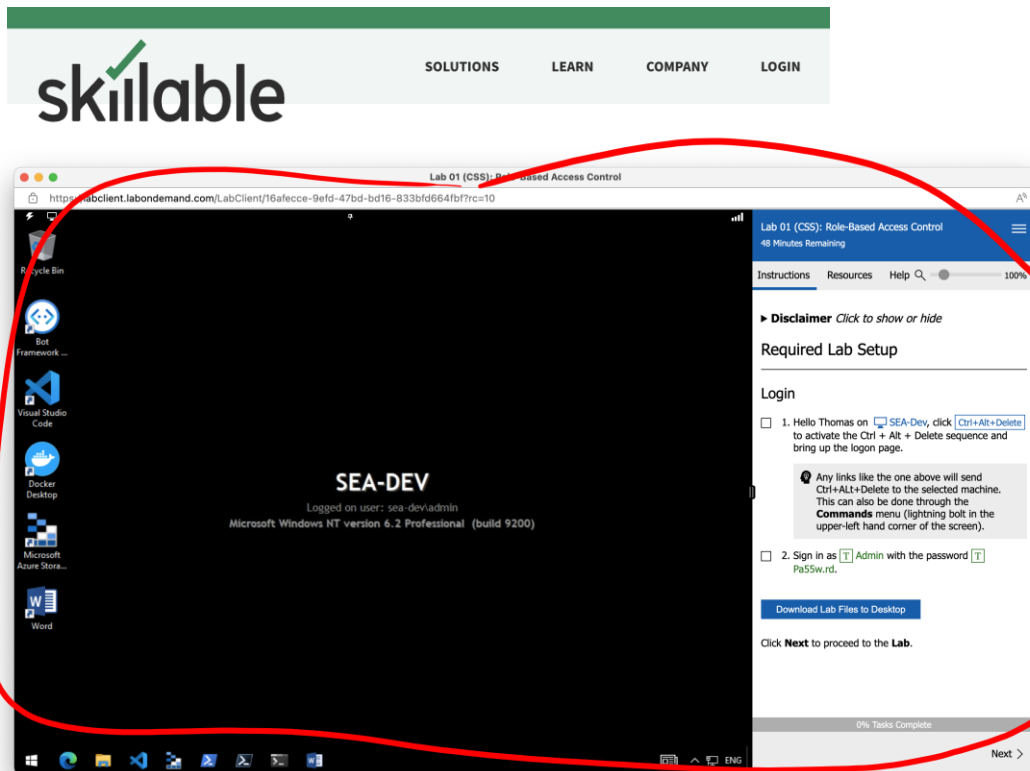
What you should know about our facilities



# AZ-104 Labs

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

← Lab key



End of presentation

