



# Microsoft Learn Spark possibility



*Guten Morgen!*

AZ-104

# Microsoft Azure Administrator



Berlin Physik

NT 4.0

Thomas Jäkel

2011 Windows Azure  
2013 ARM Azure

brainymotion

ETC Wien

Lead Trainer Cloud Infrastructure

Microsoft Certified Trainer since 1999

AI

PowerShell

Az  
Az. \*

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



# About this course


## Prerequisites

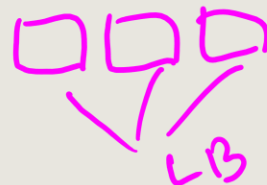
- Successful Azure Administrators start this role with experience on operating systems, virtualization, cloud infrastructure, storage structures, and networking

## Azure Administrator Role

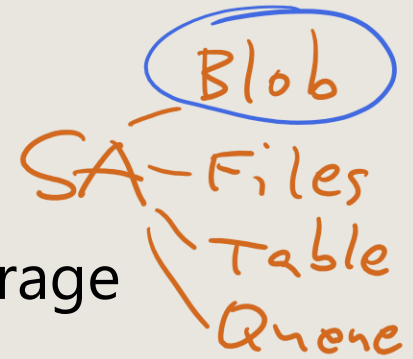
- Cloud Administrators manage the cloud services that span storage, networking and compute cloud capabilities, with a deep understanding of each service across the full IT lifecycle
- They take end-user requests for new cloud applications and make recommendations on services to use for optimal performance 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-104 Course Outline

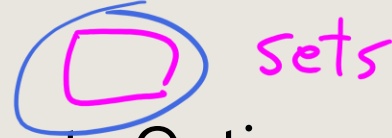
- 01: Administer Identity *Entra ID*  *✓*  
*RBAC Role Owner*
- 02: Administer Governance and Compliance
- 03: Administer Azure Resources *Tooling PowerShell*  
*Azure CLI*  
*Portal Bicep → ARM Template*
- 04: Administer Virtual Networking *VNet*  
*Peering*
- 05: Administer Intersite Connectivity *VPN*
- 06: Administer Network Traffic Management



07: Administer Azure Storage



08: Administer Azure Virtual Machines



09: Administer PaaS Compute Options



*Docker*  
*ACI*

*≡ App*  
*≡ OS*

10: Administer Data Protection

11: Administer Monitoring

*30 Tage OE*

# Let's get to know each other

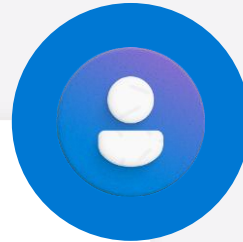
- Your name
- Company affiliation
- Title/function
- Your experience
- Your expectations for the course





# Let's have a great time together

We all contribute to a great class

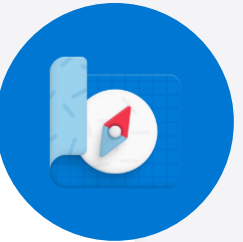


9<sup>00</sup> - 17<sup>00</sup>  
15min  

12<sup>30</sup> - 13<sup>30</sup>

  
15 min

What you should know about our facilities



# 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.



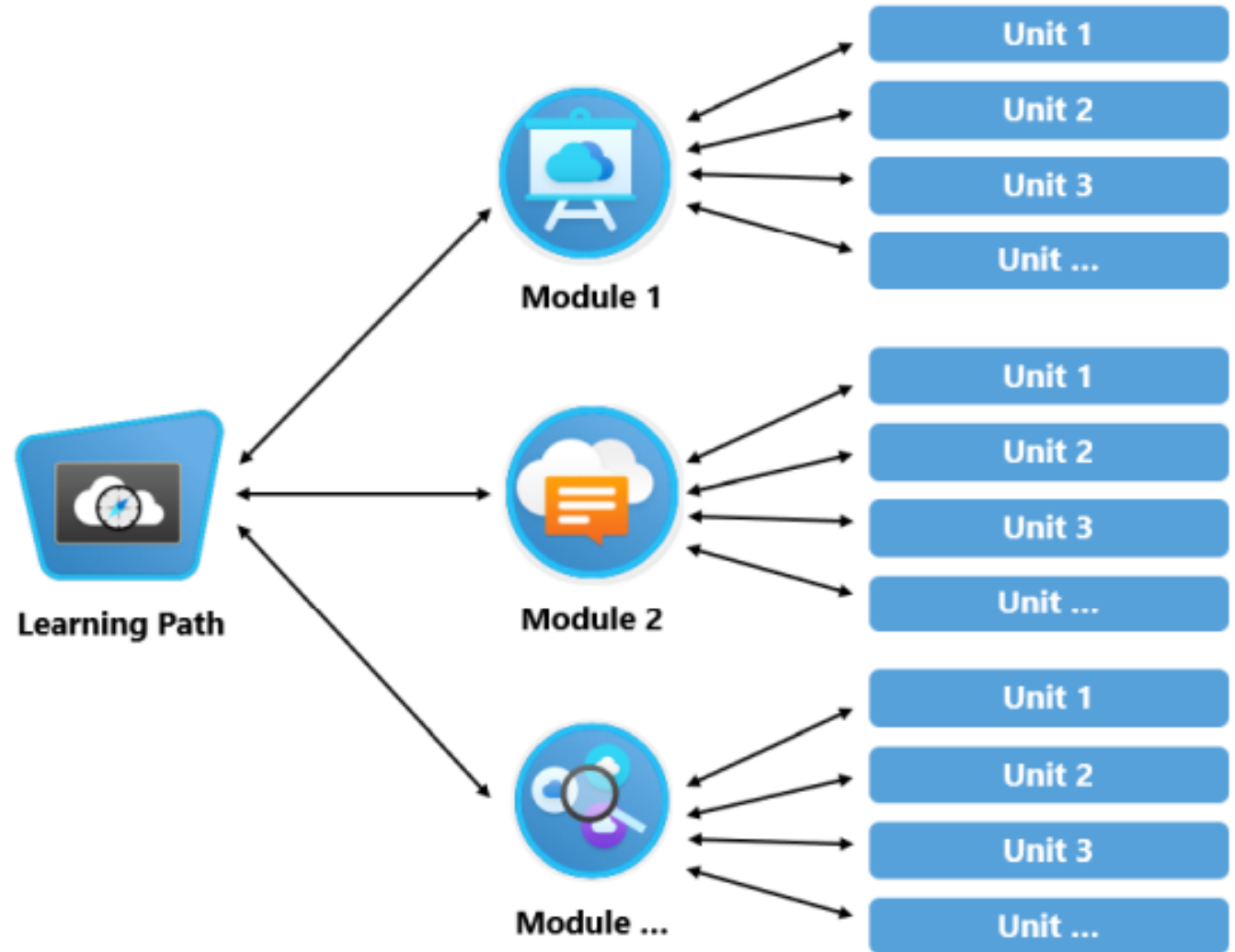
# Microsoft Learn

## 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

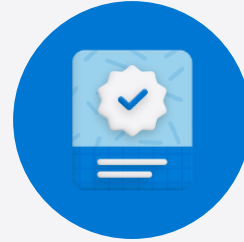
AZ-204: Integrate caching and content delivery within



### 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

theor.  
multiple Choice

keine Hilfe

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

①



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

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

AZ-305

②

https://lms.godeploy.it/

Sign in

Email

e.g. john.smith@example.com

Password

Sign in

Forgotten your password?

No account? [Register now.](#)

Sign in with Microsoft

go deploy  
Online Labs

AZ-104T00 (CS) - Microsoft Azure Administrator (Cloud Share) 2024

This course teaches IT Professionals how to manage their Azure subscriptions, secure identities, administer the infrastructure, configure virtual networking, connect Azure and on-premises sites, manage network traffic, implement storage solutions, create and scale virtual machines, implement web apps and containers, back up and share data, and monitor your solution.

Your progress

	58%
Total number of Labs:	19
Completed Labs:	10
Remaining Labs:	9
Total available time:	22 hrs 15 mins

Your current Lab

4. Manage Governance via Azure Policy

🕒 1 h

10%

In this lab, you learn how to implement your organization's governance plans. You learn how Azure policies can ensure operational decisions are enforced across the organization. You learn how to use resource tagging to improve reporting.

LAUNCH LAB

VIEW NOTE

MICROSOFT LEARN CONTENT

Labs

1. Azure Tips, Tricks, and Tools (Optional)	🕒 1 h	100%
2. Manage Microsoft Entra ID Identities	🕒 1 h	100%
3. Manage Subscriptions and RBAC Entra	🕒 30 mins	100%

End of presentation

