Microsoft

Microsoft Learn
Spark possibility

Microsoft

AI-102: Designing and Implementing a Microsoft Azure AI Solution

Introduction

2
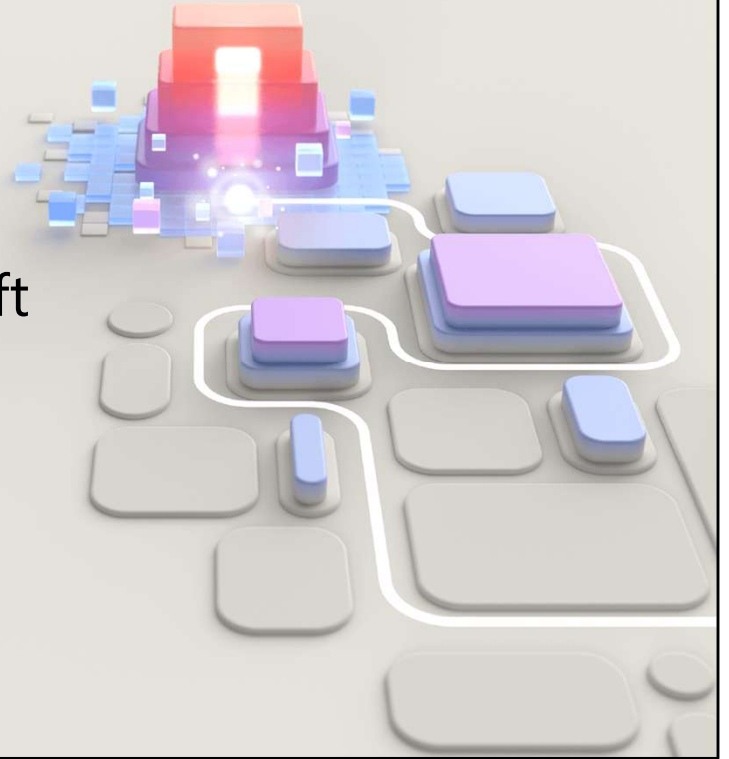
Hello!

Thank you for joining me today

Instructor: Robert Levay

Microsoft Certified Trainer

Levay Multimedia AB

Professional Consultant and Trainer since 1997

Affiliated with Lexicon IT-Proffs

Robert@levay.se

Let's get to know each other

Your name

Company affiliation

Title/function

Your experience

Your expectations for the course
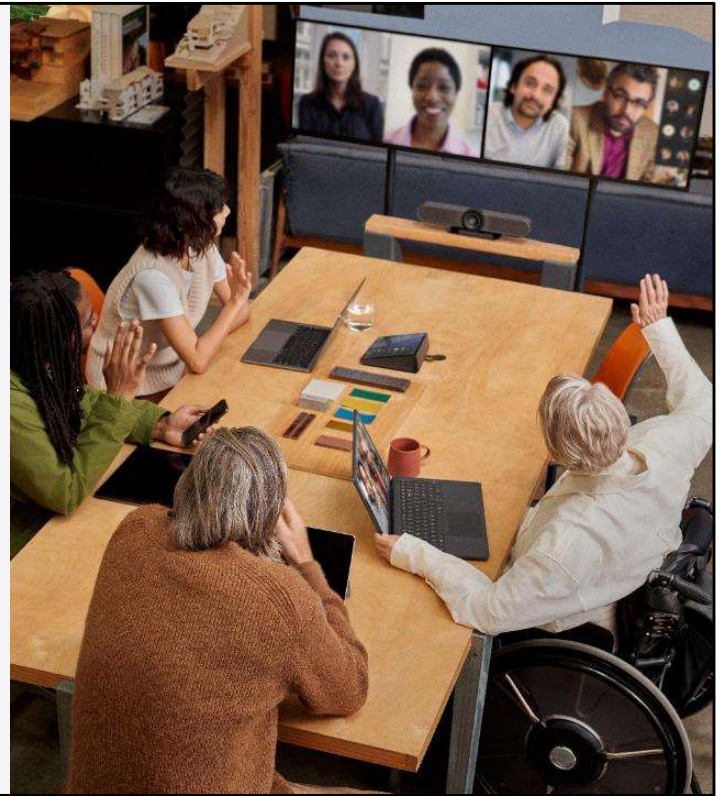
Let's have a great time together

We all contribute to a great class

- This placeholder is designed with bulleted text
- It's easy to remove or add bullets
- Be on time (class hours)
- Be present (avoid mail, calls, side meetings)

What you should know a

Trainers:
Customize this slide for your course. Delete this note before publishing.

- This placeholder is designed with bulleted text
- This section can be removed if the class is online
- Accommodations
- Internet access
- Parking
- Restrooms
- Emergency

About this course

What we'll cover

In this course, you will learn how to develop solution using Azure AI Services. Topics covered include natural language understanding, computer vision, document intelligence and generative AI. Specifically, you'll learn how to:

- Provision Azure resources and use the service studios
- Train and customize various Azure AI models
- Use APIs and SDKs to consume models from client applications

Intended audience

The primary audience for this course is application developers seeking to include Azure AI functionality in their applications.

Although most Azure AI services can be used with web studios, to use the APIs and SDKs effectively, a basic knowledge of Microsoft C# or Python is recommended.

Course schedule

	Day 1	Day 2	Day 3	Day 4
Early morning	Introduction Get started with Azure AI Service	Wrap up from previous day Develop natural language processing solutions with Azure AI Services	Wrap up from previous day Develop generative AI solutions with Azure OpenAI Service	Wrap up from previous day Develop knowledge mining solutions with Azure AI Search
Break				
Late morning	Get started with Azure AI Service (continued)	Develop natural language processing solutions (continued)	Develop generative AI solutions (continued)	Develop knowledge mining solutions (continued)
Lunch				
Early afternoon	Develop computer vision solutions with Azure AI Services	Develop natural language processing solutions (continued)	Develop generative AI solutions (continued)	Develop solutions with Azure AI Document Intelligence
Break				
Late afternoon	Develop computer vision solutions (continued)	Develop natural language processing solutions (continued)	Develop generative AI solutions (continued)	Develop solutions with Azure AI Document Intelligence (continued) Q&A

Get the most out of your Microsoft Learn profile

Verify, track, and share your training and certification progress and accomplishments—*all on one platform*

- Claim your achievement code for this course and share you have completed it.
- Access your course material and track progress on your learning activities.
- Share and verify your Microsoft Certifications via email, on social networking platforms, and on your résumé.
- Download and print transcripts and certificates.
- Manage your upcoming activities and certification exam appointments.

www.aka.ms/MyMicrosoftLearnProfile

Create your Microsoft Learn profile at learn.microsoft.com

- Select *Sign in* at the top, right corner of any Microsoft Learn page.
- Follow the Microsoft account authentication process.
- If the account that you have chosen to sign-in with doesn't already have a Microsoft Learn profile, you'll be guided to create one.
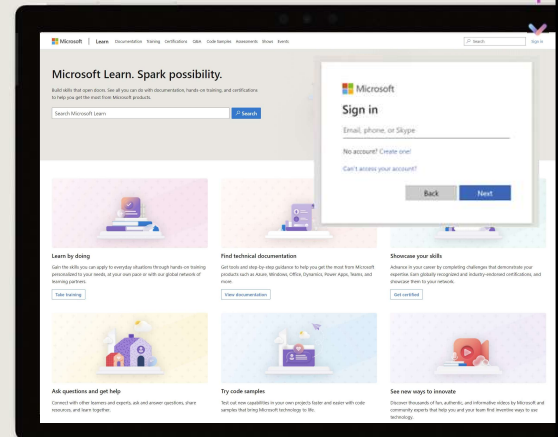
Access your course material

All course content is available on Microsoft Learn

https://aka.ms/CourseAI-102

- 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. Find how at the bottom of each page.

Need help? See our **troubleshooting guide** or provide specific feedback by **reporting an issue.**

This course includes labs:

- Detailed lab instructions are included in your lab environment.
- Each exercise is standalone and requires a Microsoft Azure subscription
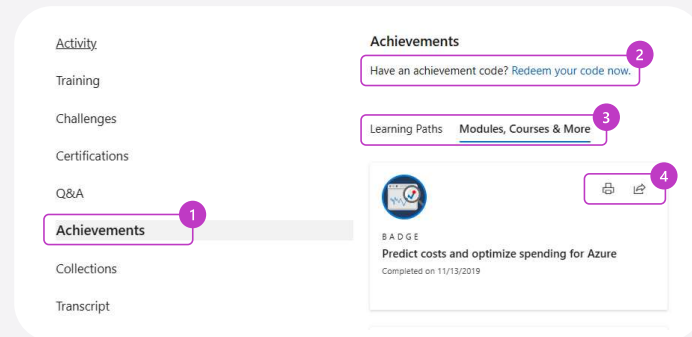
https://aka.ms/ai102labs

Set student expectations for the lab exercises. For Generative AI, Azure OpenAI is a *restricted access* service that requires approval.

Be clear about the relationship between the slides in this classroom-based course and the associated learning paths on Microsoft Learn. The slide presentations are aligned to the learning paths, but do not necessarily map 1:1 with them. This enables you to provide an optimal learning experience within the constraints of a 1-day instructor-led class, while enabling students to use the supporting online modules to go deeper into some topics and reinforce what they learn during the class.

Celebrate your accomplishments and feel empowered

Get your achievement recognized and earn your badge for completing this course

Activity

Training

Challenges

Certifications

Q&A

Achievements ①

Collections

Transcript

Achievements

Have an achievement code? Redeem your code now. ②

Learning Paths Modules, Courses & More ③

④

BADGE
Predict costs and optimize spending for Azure
Completed on 11/13/2019

1. Go to **Achievements** on your Microsoft Learn profile
2. Redeem the code provided by your trainer
3. Find your new badge **on Modules, Courses & More**
4. Share your new achievement with your professional network. You can also download and print your certificate.

Become
Microsoft Certified
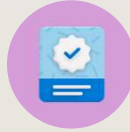
92%
of certified IT professionals feel more confident
in their abilities after earning certifications[1]

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

Microsoft role-based and specialty certifications
require annual renewal.[2]

Learn about certification renewal at
aka.ms/RenewYourCert

[1] "2023 Value of IT Certification | Candidate Report," Pearson VUE, 2023   [2] Microsoft fundamentals certifications don't expire

Get ready for your Microsoft Certification exam

Exam AI-102: Designing and Implementing a Microsoft Azure AI Solution covers the features and capabilities of Microsoft Azure AI Services, including Azure OpenAI Service

Understand the skills measured by the exam

Study area	Percentage
Plan and manage an Azure AI solution	15–20%
Implement decision support solutions	10–15%
Implement computer vision solutions	15-20%
Implement natural language processing solutions	30–35%
Implement knowledge mining and document intelligence solutions	10–15%
Implement generative AI solutions	10-15%

Build confidence in your skills

Find in the exam page resources to help prepare

- Watch exam prep videos
- Review the exam study guide
- Demo the exam experience with the exam sandbox
- Take a practice assessment

Percentages indicate the relative weight of each area on the exam
The higher the percentage, the more questions you are likely to see in that area