



MICROSOFT TRAINING

AI-102: Designing and Implementing a Microsoft Azure AI Solution — Practice Questions

Ace the AI-102 exam! Design and implement robust Microsoft Azure AI solutions with confidence using our practice questions.

DURATION

48 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level course, "AI-102: Designing and Implementing a Microsoft Azure AI Solution — Practice Questions," is meticulously crafted for IT professionals aiming to master the deployment of artificial intelligence solutions on the Microsoft Azure platform. It delves deep into the practical application of Azure AI services, equipping you with the expertise to design, build, and deploy robust AI solutions that solve real-world business challenges. You'll gain hands-on experience with core Azure AI technologies, including Cognitive Services, Azure Bot Service, Azure Machine Learning, and knowledge mining, learning how to integrate them seamlessly into enterprise applications.

Duration	48 hours
Level	Intermediate
Vendor	Microsoft
Exam Code	AI-102

COURSE CURRICULUM

01 Module 1: Planning and Managing an Azure AI Solution

- Identifying use cases for AI solutions
- Planning compute and data requirements for AI workloads
- Selecting appropriate Azure AI services
- Implementing responsible AI principles

02 Module 2: Implementing Computer Vision Solutions

- Analyzing images and videos with Azure Computer Vision
- Building custom vision models with Custom Vision Service
- Detecting and recognizing faces with Azure Face service
- Reading text with Azure OCR and Form Recognizer

03 Module 3: Implementing Natural Language Processing Solutions

- Analyzing text with Azure Text Analytics
- Building conversational interfaces with Language Understanding (LUIS)
- Creating custom knowledge bases with QnA Maker
- Translating speech and text with Azure Translator and Speech Services

04 Module 4: Implementing Knowledge Mining Solutions

- Creating and managing Azure Cognitive Search solutions
- Indexing content from various data sources
- Enhancing search with AI skills (image analysis, sentiment analysis)
- Developing custom skills for Cognitive Search

05 Module 5: Implementing Conversational AI Solutions

- Designing and building conversational bots with Azure Bot Service
- Integrating bots with channels (web chat, Microsoft Teams)
- Implementing advanced dialog flows and state management
- Monitoring and improving bot performance

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure AI Engineer**
- > **AI Solution Architect**
- > **Cognitive Services Developer**

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge or experience is recommended before enrolling in the AI-102 course?

While this course is designed for an intermediate level, a solid understanding of Azure services, including Azure Storage, Azure Functions, and basic networking concepts, is highly recommended. Proficiency in at least one high-level programming language such as C# or Python, along with a foundational grasp of core AI concepts like machine learning, will significantly enhance your learning experience and ability to apply the course material.

Q: How does completing the AI-102 course prepare me for a specific role, such as an Azure AI Engineer?

This AI-102 course directly targets the skills required for an Azure AI Engineer by focusing on practical solution design and implementation. You'll learn to architect, develop, and deploy AI solutions using Azure's comprehensive suite of cognitive services, machine learning capabilities, and bot frameworks. This hands-on experience translates directly into the ability to build intelligent applications, integrate AI into existing systems, and manage the lifecycle of AI projects on Azure, making you highly valuable for such engineering roles.

Q: What kind of real-world AI problems will I be able to solve after completing this AI-102 training?

Upon completing this AI-102 course, you will be equipped to tackle a variety of real-world AI challenges. This includes developing solutions for automated content moderation using computer vision, building intelligent chatbots for customer service or internal support, creating knowledge mining systems for efficient data retrieval and analysis, and implementing sophisticated natural language processing applications for sentiment analysis or text summarization, all leveraging the power of Microsoft Azure's AI platform.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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