



MICROSOFT TRAINING

# AI-900: Microsoft Azure AI Fundamentals — Practice Questions

*Master Azure AI fundamentals with AI-900 practice questions. Prepare to ace your Microsoft certification.*

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DURATION

**24 hours**

LEVEL

**Intermediate**

FORMAT

**Instructor-Led**

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- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | [www.computer-pride.co.ke](http://www.computer-pride.co.ke)

## COURSE OVERVIEW

The AI-900: Microsoft Azure AI Fundamentals — Practice Questions course at Computer Pride is specifically engineered to provide a robust and engaging pathway for individuals seeking to validate their foundational knowledge of artificial intelligence and machine learning concepts within the Microsoft Azure ecosystem. This course dives deep into the core AI services offered by Azure, including Machine Learning, Computer Vision, Natural Language Processing, and Conversational AI, ensuring a comprehensive understanding of their capabilities and applications. Our unique focus on extensive practice questions is designed not just to introduce these technologies but to solidify your comprehension and build exam-readiness confidence.

Through a series of carefully curated practice scenarios and detailed explanations, you will gain hands-on familiarity with identifying appropriate AI solutions for various business challenges, understanding the ethical considerations in AI development, and differentiating between different Azure AI services. The course is structured to reinforce key concepts, highlight common pitfalls, and equip you with the strategic thinking necessary to tackle the official AI-900 certification exam effectively. Earning this certification opens doors to a deeper engagement with cloud-based AI, empowering you to contribute to innovative projects and understand the potential of AI in transforming industries.

Upon completion, you will not only be well-prepared for the AI-900 exam but will also possess a fundamental grasp of AI principles and their practical implementation on Azure. This foundational certification serves as an excellent stepping stone for further specialization in AI, machine learning, or cloud architecture, positioning you for growth in the rapidly expanding field of artificial intelligence. It's an essential course for anyone looking to articulate AI capabilities and integrate them into their professional repertoire.

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|-----------|--------------|
| Duration  | 24 hours     |
| Level     | Intermediate |
| Vendor    | Microsoft    |
| Exam Code | AI-900       |

## COURSE CURRICULUM

### 01 Module 1: Exploring AI Workloads and Foundational Concepts (Practice Focus)

- Defining Artificial Intelligence (AI), Machine Learning (ML), and Deep Learning (DL)
- Understanding common AI workloads: computer vision, NLP, knowledge mining, conversational AI
- Introduction to core AI-900 exam objectives and question types
- Practice questions on identifying AI concepts and ethical AI principles (fairness, privacy, reliability, safety, security, inclusiveness)

### 02 Module 2: Machine Learning Fundamentals & Azure ML Services (Question-Based Learning)

- Distinguishing between supervised, unsupervised, and reinforcement learning
- Key ML terms: features, labels, models, training, validation, evaluation metrics
- Understanding regression, classification, and clustering scenarios
- Introduction to Azure Machine Learning service capabilities (Automated ML, designers)
- Practice questions on selecting appropriate ML models and Azure ML features

### 03 Module 3: Leveraging Computer Vision with Azure AI Services (Exam Scenarios)

- Core Computer Vision tasks: image classification, object detection, facial analysis, optical character recognition (OCR)

- Overview of Azure Computer Vision service (Image Analysis, Read, Face, Custom Vision)
- Applying Azure Custom Vision for domain-specific image analysis
- Practice questions on matching Computer Vision tasks to Azure services and interpreting results

## 04 Module 4: Natural Language Processing (NLP) in Azure (Application Drills)

- Understanding NLP concepts: sentiment analysis, key phrase extraction, entity recognition, language understanding
- Introduction to Azure AI Language service capabilities
- Exploring Azure Translator and Speech services (Speech-to-Text, Text-to-Speech)
- Practice questions on identifying the correct NLP service for various text and speech scenarios

## 05 Module 5: Conversational AI and Knowledge Mining on Azure (Solution-Based Practice)

- Fundamentals of Conversational AI: chatbots, virtual assistants
- Overview of Azure Bot Service and QnA Maker for building intelligent bots
- Introduction to Knowledge Mining and Azure Cognitive Search
- Integrating various Azure AI services for comprehensive solutions
- Practice questions on designing conversational flows and optimizing search experiences with Azure AI

## 06 Module 6: AI-900 Exam Readiness: Comprehensive Review & Simulation

- Full-length AI-900 practice exams with timed conditions
- Detailed answer explanations and conceptual reinforcement for all objectives
- Strategies for managing exam time and approaching different question formats
- Identifying personal knowledge gaps and targeted review sessions
- Final tips and best practices for passing the Microsoft Azure AI Fundamentals exam

## CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior AI/ML Operations Specialist**
- > **Cloud Support Engineer with AI Focus**
- > **Technical Business Analyst (AI-centric projects)**

## FREQUENTLY ASKED QUESTIONS

### **Q: How does this 'Practice Questions' course specifically prepare me for the official AI-900 Microsoft Azure AI Fundamentals exam?**

This course is meticulously designed to mirror the structure, question types, and difficulty of the actual AI-900 exam. You'll engage with hundreds of practice questions covering all official exam objectives, allowing you to identify knowledge gaps, reinforce core concepts, and build confidence through repeated exposure to exam-style scenarios. Detailed explanations for each answer will deepen your understanding, ensuring you're not just memorizing, but truly grasping the underlying principles of Azure AI and how they are tested.

### **Q: What foundational IT or AI knowledge is recommended before enrolling in this AI-900 practice course to ensure optimal learning?**

While the AI-900 is an introductory exam, a basic understanding of general cloud computing concepts and familiarity with the Microsoft Azure platform is highly beneficial. Learners will get the most out of this practice-focused course if they have a foundational grasp of core AI-900 topics acquired through self-study, introductory courses, or professional experience.

This preparation will allow you to leverage the practice questions more effectively for concept reinforcement rather than initial learning.

**Q: Beyond passing the AI-900 exam, what practical skills or insights into Azure AI will I gain from completing these practice questions?**

Completing this practice course will significantly solidify your practical understanding of how various Azure AI services function and interact in real-world contexts. You'll gain critical insight into identifying appropriate Azure AI solutions for common business problems, understanding the ethical implications of AI development, and clearly distinguishing between different types of machine learning, computer vision, and natural language processing applications within the Azure ecosystem. This hands-on, question-based learning approach enhances your ability to articulate and apply foundational AI concepts in a professional setting.

## 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.

Location

1st Flr, ICEA Building  
Kenyatta Ave, Nairobi

Email

[info@computer-pride.co.ke](mailto:info@computer-pride.co.ke)

Phone

+254 705 900 900

[www.computer-pride.co.ke](http://www.computer-pride.co.ke)