



Duration: 45 hours

Microsoft Azure AI Fundamentals Exam Summary:

Note: To ensure success in Microsoft MCF Azure AI certification exam, we recommend authorized training course, practice test and hands-on experience to prepare for Microsoft Azure AI Fundamentals (AI-900) exam.

Exam Name	Microsoft Certified - Azure AI Fundamentals
Exam Code	AI-900
Exam Price	\$99 (USD)
Duration	65 mins
Number of Questions	40-60
Passing Score	700 / 1000

Microsoft AI-900 Exam Syllabus Topics

- Module1):- Describe Artificial Intelligence workloads and considerations.
- Module2) Describe fundamental principles of machine learning on Azure.
- Module 3) Describe features of computer vision workloads on Azure.
- Module4) Describe features of Natural Language Processing (NLP) workloads on Azure.
- Module5) Describe features of generative AI workloads on Azure.

Microsoft AI-900 Exam Syllabus Topics:

Module1) Describe Artificial Intelligence workloads and considerations (15-20%)

➤ Identify features of common AI workloads

- Identify features of content moderation and personalization workloads
- Identify computer vision workloads
- Identify natural language processing workloads
- Identify knowledge mining workloads
- Identify document intelligence workloads
- Identify features of generative AI workloads

➤ Identify guiding principles for responsible AI

- Describe considerations for fairness in an AI solution
- Describe considerations for reliability and safety in an AI solution
- Describe considerations for privacy and security in an AI solution
- Describe considerations for inclusiveness in an AI solution
- Describe considerations for transparency in an AI solution
- Describe considerations for accountability in an AI solution

Module2) Describe fundamental principles of machine learning on Azure (20-25%)

➤ Identify common machine learning techniques

- Identify regression machine learning scenarios
- Identify classification machine learning scenarios
- Identify clustering machine learning scenarios
- Identify features of deep learning techniques

➤ Describe core machine learning concepts

- Identify features and labels in a dataset for machine learning
- Describe how training and validation datasets are used in machine learning

➤ Describe Azure Machine Learning capabilities

- Describe data and compute services for data science and machine learning
- Describe model management and deployment capabilities in Azure Machine Learning

Module 3) Describe features of computer vision workloads on Azure (15-20%)

- **Identify common types of computer vision solution**
 - Identify features of image classification solutions
 - Identify features of object detection solutions
 - Identify features of optical character recognition solutions
 - Identify features of facial detection and facial analysis solutions
- **Identify Azure tools and services for computer vision tasks**
 - Describe capabilities of the Azure AI Vision service
 - Describe capabilities of the Azure AI Face detection service

Module4) Describe features of Natural Language Processing (NLP) workloads on Azure (15-20%)

- **Identify features of common NLP Workload Scenarios**
 - Identify features and uses for key phrase extraction
 - Identify features and uses for entity recognition
 - Identify features and uses for sentiment analysis
 - Identify features and uses for language modeling
 - Identify features and uses for speech recognition and synthesis
 - Identify features and uses for translation
- **Identify Azure tools and services for NLP workloads**
 - Describe capabilities of the Azure AI Language service
 - Describe capabilities of the Azure AI Speech service

Module5) Describe features of generative AI workloads on Azure (15-20%)

- **Identify features of generative AI solutions**
 - Identify features of generative AI models
 - Identify common scenarios for generative AI
 - Identify responsible AI considerations for generative AI
- **Identify capabilities of Azure OpenAI Service**
 - Describe natural language generation capabilities of Azure OpenAI Service
 - Describe code generation capabilities of Azure OpenAI Service
 - Describe image generation capabilities of Azure OpenAI Service

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