# MICROSOFT AI-900

**Microsoft Azure AI Fundamentals Certification Questions & Answers**

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**AI-900**

**[Microsoft Certified - Azure AI Fundamentals]**

**40-60 Questions Exam – 700 / 1000 Cut Score – Duration of 60 minutes**

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# Discover More about the AI-900 Certification

Are you interested in passing the Microsoft AI-900 exam? First discover, who benefits from the AI-900 certification. The AI-900 is suitable for a candidate if he wants to learn about Microsoft Azure. Passing the AI-900 exam earns you the Microsoft Certified - Azure AI Fundamentals title.

While preparing for the AI-900 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The AI-900 PDF contains some of the most valuable preparation tips and the details and instant access to useful **AI-900 study materials just at one click**.

# Microsoft AI-900 Azure AI Fundamentals Certification Details:

| | |
|---|---|
| Exam Name | Microsoft Certified - Azure AI Fundamentals |
| Exam Code | AI-900 |
| Exam Price | $99 (USD) |
| Duration | 60 mins |
| Number of Questions | 40-60 |
| Passing Score | 700 / 1000 |
| Books / Training | **Course AI-900T00: Microsoft Azure AI Fundamentals** |
| Schedule Exam | **Pearson VUE** |
| Sample Questions | **Microsoft Azure AI Fundamentals Sample Questions** |
| Practice Exam | **Microsoft AI-900 Certification Practice Exam** |

# AI-900 Syllabus:

| **Topic** | **Details** |
|---|---|
| **Describe Artificial Intelligence workloads and considerations (20-25%)** | |
| Identify features of common AI workloads | - identify features of anomaly detection workloads<br>- identify computer vision workloads |

| Topic | Details |
|---|---|
| | - identify natural language processing workloads<br>- identify knowledge mining workloads |
| Identify guiding principles for responsible AI | - describe considerations for fairness in an AI solution<br>- describe considerations for reliability and safety in an AI solution<br>- describe considerations for privacy and security in an AI solution<br>- describe considerations for inclusiveness in an AI solution<br>- describe considerations for transparency in an AI solution<br>- describe considerations for accountability in an AI solution |
| **Describe fundamental principles of machine learning on Azure (25-30%)** | |
| Identify common machine learning types | - identify regression machine learning scenarios<br>- identify classification machine learning scenarios<br>- identify clustering machine learning scenarios |
| Describe core machine learning concepts | - identify features and labels in a dataset for machine learning<br>- describe how training and validation datasets are used in machine learning |
| Describe capabilities of visual tools in Azure Machine Learning studio | - automated machine learning<br>- azure Machine Learning designer |
| **Describe features of computer vision workloads on Azure (15-20%)** | |
| Identify common types of computer vision solution | - identify features of image classification solutions<br>- identify features of object detection solutions<br>- identify features of optical character recognition solutions<br>- identify features of facial detection, facial recognition, and facial analysis solutions |
| Identify Azure tools and services for computer vision tasks | - identify capabilities of the Computer Vision service<br>- identify capabilities of the Custom Vision service<br>- identify capabilities of the Face service<br>- identify capabilities of the Form Recognizer service |

| Topic | Details |
|---|---|
| **Describe features of Natural Language Processing (NLP) workloads on Azure (25-30%)** | |
| Identify features of common NLP Workload Scenarios | - identify features and uses for key phrase extraction<br>- identify features and uses for entity recognition<br>- identify features and uses for sentiment analysis<br>- identify features and uses for language modeling<br>- identify features and uses for speech recognition and synthesis<br>- identify features and uses for translation |
| Identify Azure tools and services for NLP workloads | - identify capabilities of the Language service<br>- identify capabilities of the Speech service<br>- identify capabilities of the Translator service |
| Identify considerations for conversational AI solutions on Azure | - identify features and uses for bots<br>- identify capabilities of the Azure Bot service |

# Broaden Your Knowledge with Microsoft AI-900 Sample Questions:

**Question: 1**

What are two tasks that can be performed by using computer vision?

Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

a) Predict stock prices.
b) Detect brands in an image.
c) Detect the color scheme in an image
d) Translate text between languages.
e) Extract key phrases.

**Answer: b, e**

## Question: 2

Which two of these sources can you translate from one language into another?

a) Image
b) Handwriting
c) Text
d) Video
e) Speech

**Answer: c, e**

## Question: 3

Which AI service can you use to interpret the meaning of a user input such as “Call me back later?”

a) Translator Text
b) Speech
c) Text Analytics
d) Language Understanding (LUIS)

**Answer: c**

## Question: 4

You have a frequently asked questions (FAQ) PDF file. You need to create a conversational support system based on the FAQ. Which service should you use?

a) QnA Maker
b) Text Analytics
c) Computer Vision
d) Language Understanding (LUIS)

**Answer: a**

## Question: 5

Which metric can you use to evaluate a classification model?

a) root mean squared error (RMSE)
b) mean absolute error (MAE)
c) coefficient of determination (R2)
d) true positive rate

**Answer: d**

## Question: 6

Which two components can you drag onto a canvas in Azure Machine Learning designer?

Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

a) dataset
b) compute
c) pipeline
d) module

**Answer: a, d**

## Question: 7

What is a use case for classification?

a) predicting how many cups of coffee a person will drink based on how many hours the person slept the previous night.
b) analyzing the contents of images and grouping images that have similar colors
c) predicting whether someone uses a bicycle to travel to work based on the distance from home to work
d) predicting how many minutes it will take someone to run a race based on past race times

**Answer: b**

## Question: 8

You have a dataset that contains information about taxi journeys that occurred during a given period. You need to train a model to predict the fare of a taxi journey. What should you use as a feature?

a) the number of taxi journeys in the dataset
b) the trip distance of individual taxi journeys
c) the fare of individual taxi journeys
d) the trip ID of individual taxi journeys

**Answer: b**

Question: 9

Which AI service should you use to create a bot from a frequently asked questions (FAQ) document?

a) Speech
b) Language Understanding (LUIS)
c) Text Analytics
d) QnA Maker

**Answer: d**

Question: 10

You are designing an AI system that empowers everyone, including people who have hearing, visual, and other impairments. This is an example of which Microsoft guiding principle for responsible AI?

a) fairness
b) inclusiveness
c) reliability and safety
d) accountability

**Answer: b**

# Avail the Study Guide to Pass Microsoft AI-900 Azure AI Fundamentals Exam:

- Find out about the AI-900 syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.
- Once you are done exploring the **AI-900 syllabus**, it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.

- The candidate should not miss out on the scope to learn from the AI-900 training. Joining the Microsoft provided training for AI-900 exam helps a candidate to strengthen his practical knowledge base from the certification.
- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the **AI-900 sample questions** and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. AI-900 practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

## Career Benefits:

- Passing the AI-900 exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.