



December 13-16, 2021

Microsoft Certification Week for Partners

**Validate your technical expertise**



## AI-900: Microsoft Azure AI Fundamentals exam resources

### Overview

The following resources have been assembled to help you prepare for the AI-900 Microsoft Azure AI Fundamentals learning track during Microsoft Certification Week.

### How to use this guide

Each user brings a unique set of knowledge and skills to your Microsoft Certification Week experience. Please identify and utilize the relevant links within this document to help you develop deeper understanding in those specific topic areas where you feel you need additional training. It is not required nor intended that an individual should leverage all the resources in this guide to participate in the event.

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## Audience profile for the exam

Candidates for this exam should have foundational knowledge of cloud services and how those services are provided with Microsoft Azure. The exam is intended for candidates who are just beginning to work with cloud-based solutions and services or are new to Azure.

Azure Fundamentals exam is an opportunity to prove knowledge of cloud concepts as well as Azure services, workloads, security, privacy, pricing and support.

Candidates should be familiar with the general technology concepts, including concepts of networking, storage, compute, application support, and application development.

Azure Fundamentals can be used to prepare for other Azure role-based or specialty certifications, but it is not a prerequisite for any of them.

## Preparing with an Azure subscription

It is highly recommended when preparing for a Microsoft exam, that you have had some level of hands-on experience with the services within the objectives. Microsoft courses have a GitHub repository for labs that are recommended and available to the public.

- Azure Free Trial:  
[Create your Azure free account today | Microsoft Azure](#)
- Suggested Lab Guides:  
<https://github.com/MicrosoftLearning/AZ-900T0x-MicrosoftAzureFundamentals>

## Self-study resources links aligned by exam objective

The following links have been curated by Microsoft's learning partners as study resources aligned by exam objective.

### Objective: Describe AI workloads and considerations (15-20%)

Self-study resources focusing on the fundamental principles of machine learning on Azure:

- [Get started with artificial intelligence on Azure](#)
- [Machine Learning Solution Pitch deck ==> really good deck to prepare this module](#)
- [Anomaly Detector: AI service that helps you foresee problems before they occur](#)
- [Anomaly Detector in containers](#)
- [Microsoft Seeing AI – talking Camera for the Blind](#)
- [Azure Cognitive service – computer vision](#)
- [AI demo – computer vision](#)
- [AI demo – Language Understanding Intelligent Service \(LUIS\)](#)
- [Microsoft Research Case Study: Azure Health bot](#)
- [Guidelines for human ai interaction](#)
- [Responsible AI resources](#)

### Objective: Describe fundamental principles of machine learning on Azure (30-35%)

Self-study resources focusing on fundamental principles of machine learning on Azure:

- [Azure Machine Learning – SKU pricing details](#)
- [Create no-code predictive models with Azure Machine Learning](#)
- [Use automated machine learning – what is machine learning](#)
- [Overview of machine learning algorithms](#)
- [Tutorial: Predict automobile price with the designer \(preview\)](#)

## Objective: Describe features of computer vision workloads on Azure (15-20%)

Self-study resources focusing on the features of computer vision workloads on Azure:

- [Computer Vision documentation](#)
- [Classify images with the Custom Vision service](#)
- [Custom Vision documentation](#)
- [Sample for object detection](#)
- [Azure Face detection demo](#)
- [What is the Azure Face service?](#)
- [Reading text with the Computer Vision service](#)

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

Self-study resources focusing on the features of Natural Language Processing (NLP) workloads on Azure:

- [Explore natural language processing](#)
- [Azure Text Analytics](#)
- [Text Analytics API documentation](#)
- [LUIS documentation](#)

## Objective: Describe features of conversational AI workloads on Azure (15-20%)

Self-study resources focusing on the features conversational AI workloads on Azure:

- [Conversational AI Learning Path on Microsoft Learn](#)
- [QnA Maker portal](#)
- [Enterprise productivity Chatbot](#)
- [FAQ Chatbot with data champion model](#)



## Virtual Training Series

This online course will provide foundational level knowledge of cloud services and how those services are provided with Microsoft Azure. The courses are recommended before pursuing more advanced courses on these topics. This course will also help prepare you for the AI-900 exam.

[Microsoft Azure AI Fundamentals \(AI-900\)](#)

[All Microsoft Virtual Training Series](#)

## Microsoft Learning Path

The Microsoft Learning Path for AI 900 – Azure AI Fundamentals provides online courses and resources to help you gain the skills needed to become certified.

[AI-900 Azure AI Fundamentals Exam Learning Path](#)