

Develop AI information extraction solutions on Azure

Course Code

AI3002

Duration

1 Day

Format

Classroom | Virtual

Overview

In this workshop, you'll see how Azure AI Document Intelligence solutions can enable you to capture data from typed or hand-written forms. You'll also learn how to build a solution for your custom form types and integrate that solution into an Azure Cognitive Search pipeline.

Objectives

You'll learn how to:

- Design a solution that analyzes your business forms by using Azure AI Document Intelligence.
- Create a solution that analyzes common documents by using Document Intelligence.
- Create a solution that analyses different custom form types by using Document Intelligence.
- Include an Azure AI Document Intelligence service as a custom skill in an Azure Cognitive Search pipeline.

Content

Module 1: Plan an Azure AI Document Intelligence solution

Learn how to use Azure AI Document Intelligence to build solutions that analyze forms and output data for storage or further processing.

- Introduction
- Understand AI Document Intelligence
- Plan Azure AI Document Intelligence resources
- Choose a model type
- Knowledge check
- Summary

Module 2: Use prebuilt Azure AI Document Intelligence models

Learn what data you can analyze by choosing prebuilt Azure AI Document Intelligence models and how to deploy these models in a Document Intelligence solution.

- Introduction
- Understand prebuilt models
- Use the General Document, Read, and Layout models
- Use financial, ID, and tax models
- Exercise - Analyze a document using Azure AI Document Intelligence

Prerequisites

- None

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Module 3: Extract data from forms with Azure Document Intelligence

Azure Document Intelligence uses machine learning technology to identify and extract key-value pairs and table data from form documents with accuracy, at scale. This module teaches you how to use the Azure Document Intelligence Azure AI service.

- Introduction
- What is Azure Document Intelligence?
- Get started with Azure Document Intelligence
- Train custom models
- Use Azure Document Intelligence models
- Use the Azure Document Intelligence Studio
- Exercise - Extract data from custom forms
- Knowledge check
- Summary

Module 4: Create a composed Form Recognizer model

Learn how to assemble custom models into composed solutions that can analyze different types of your own documents.

- Introduction
- Understand composed models
- Assemble composed models
- Exercise: Create a composed model
- Knowledge check
- Summary

Module 5: Build an Azure AI Document Intelligence custom skill for Azure Cognitive Search

Learn how to use an Azure AI Document Intelligence solution as a custom skill to enrich content in an Azure Cognitive Search pipeline.

- Introduction
- Understand Azure Cognitive Search enrichment pipelines
- Build an Azure AI Document Intelligence custom skill
- Exercise: Build and deploy an Azure AI Document Intelligence custom skill

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