

MS-AI3002: DEVELOP SOLUTIONS WITH AZURE AI DOCUMENT INTELLIGENCE



DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
1 Day	Intermediate	Azure AI	Instructor-led	NA

INTRODUCTION

In this learning path, discover how Azure AI Document Intelligence solutions can enable you to capture data from typed or hand-written forms. Learn how to build a solution for your custom form types and integrate that solution into an Azure Cognitive Search pipeline.

AUDIENCE PROFILE

This course is designed for individuals who want to develop and implement intelligent document processing solutions using Azure AI services. The primary audience includes:

- AI Engineers: Professionals focused on creating and deploying AI solutions, particularly those involving document processing.
- Developers: Software developers who need to integrate Azure AI Document Intelligence into their applications.
- Data Engineers: Individuals responsible for managing and processing large volumes of data who want to leverage AI for document analysis.

PREREQUISITES

Before attending this course, delegates must have:

- Basic understanding of Azure AI Document Intelligence
- Basic understanding of Azure AI Search

COURSE OBJECTIVES

After attending this course, delegates will be able to:

- Design a solution that analyses your business forms by using Azure AI Document Intelligence.
- Create a solution that analyses 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 AI Search pipeline.

COURSE CONTENT

Module 1: Plan an Azure AI Document Intelligence solution

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

Lessons

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

By the end of this module, you'll be able to:

- Describe the components of an Azure AI Document Intelligence solution.

- Create and connect to Azure AI Document Intelligence resources in Azure.
- Choose whether to use a prebuilt, custom, or composed model.

Module 2: Use prebuilt Document intelligence models

Learn what data you can analyse by choosing prebuilt Forms Analyzer models and how to deploy these models in a Form Analyzer solution.

Lessons

- Introduction.
- Understand prebuilt models.
- Use the General Document, Read, and Layout models.
- Use financial, ID, and tax models.

- Exercise - Analyse a document using Azure AI Document Intelligence.
- Knowledge check.

By the end of this module, you'll be able to:

- Identify business problems that you can solve by using prebuilt models in Forms Analyzer.
- Analyse forms by using the General Document, Read, and Layout models.
- Analyse forms by using financial, ID, and tax prebuilt models.

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.

Lessons

- 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.

By the end of this module, you'll be able to:

- Identify how Azure Document Intelligence's layout service, prebuilt models, and custom service can automate processes.
- Use Azure Document Intelligence's Optical Character Recognition (OCR) capabilities with SDKs, REST

API, and Azure Document Intelligence Studio.

- Develop and test custom models.

Module 4: Create a composed Form Recognizer model

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

Lessons

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

By the end of this module, you'll be able to:

- Describe business problems that you would use custom models and composed models to solve.
- Train a custom model to obtain data from forms with unusual structures.
- Create a composed model that can analyse forms in multiple formats.

Module 5: Build a Document intelligence custom skill for Azure AI search

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

Lessons

- Introduction.
- Understand Azure AI Search enrichment pipelines.
- Build an Azure AI Document Intelligence custom skill.
- Exercise: Build and deploy an Azure AI Document Intelligence custom skill.
- Knowledge check.
- Summary.

By the end of this module, you'll be able to:

- Describe how a custom skill can enrich content passed through an Azure Cognitive Search pipeline.
- Build a custom skill that calls an Azure Forms Analyzer solution to obtain data from form

ASSOCIATED CERTIFICATIONS & EXAM

There is no Associated Certification or Exam for this course, however, there is an assessment to achieve your Applied Skills credential. ([Assessment Link](#))