

AI-3002: Develop solutions with Azure AI Document Intelligence

Course Details

Course Code: AI-3002

Duration: 1 day

Notes:

- This course syllabus should be used to determine whether the course is appropriate for the students, based on their current skills and technical training needs.
- Course content, prices, and availability are subject to change without notice.
- Terms and Conditions apply

Elements of this syllabus are subject to change.

About this course

In this learning path, 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. You'll learn how 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 Cognitive Search pipeline.
- This learning path helps prepare you for Exam AI-102: Designing and Implementing a Microsoft Azure AI Solution.

Prerequisites

None.

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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.

Learning objectives

In this module, you will learn 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.

Use prebuilt Form Recognizer models

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

Learning objectives

In this module, you will learn 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

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.

Learning objectives

In this module, you'll learn how 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

Create a composed Form Recognizer model

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

Learning objectives

In this module, you'll learn 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.

Build a Form Recognizer custom skill for Azure Cognitive Search

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

Learning objectives

In this module, you'll learn to:

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