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, 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 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.

PREREQUISITES

None.

COURSE 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.
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 Form Recognizer models
Learn what data you can analyze 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 - Analyze 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.
- Analyze forms by using the General Document, Read, and Layout models.
- Analyze 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 analyze 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 analyze forms in multiple formats..
- .

Module 5: Guided Project - Create and manage model-driven apps with Power Apps and Dataverse

In this module, practice building model-driven apps with Microsoft Power Apps, including creating Dataverse tables, modifying forms and views, and configuring apps. The lab offers interactive practice with real-world scenarios for business-specific challenges.

Lessons

- 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.
- Knowledge check

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 forms

ASSOCIATED CERTIFICATIONS & EXAM

There is no Associated certification & Exam for this course, however, there is an assessment to achieve your Applied Skills credential. (Assessment Link)