Develop AI information extraction solutions in Azure Training

Duration: **1 Day**

BILGINC IT Academy
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Develop AI Information Extraction Solutions in Azure focuses on building AI-powered solutions that extract useful information from documents and forms with Azure AI Document Intelligence.

During this hands-on workshop, participants explore how Azure AI Document Intelligence can capture information from both typed and handwritten forms. In addition to working with prebuilt models, learners discover how to create custom solutions for organisation-specific form types and combine models to process different types of documents.

The course also covers integrating a Document Intelligence solution into an Azure Cognitive Search pipeline as a custom skill. This provides participants with an understanding of a broader information extraction workflow, from identifying data within documents to using the extracted information for search and content enrichment scenarios.

Prerequisites

There are no technical prerequisites for this course.

Important: This course has MFA (Multi-Factor Authentication) requirements. Participants should install the required MFA application and complete the necessary preparation before attending the course.

What You Will Learn

By the end of this course, participants will be able to:

- Design a solution that uses Azure AI Document Intelligence to analyse business forms,
- Build solutions that analyse common document types with prebuilt Document Intelligence models,
- Develop Document Intelligence solutions capable of analysing different custom form types,
- Integrate Azure AI Document Intelligence into an Azure Cognitive Search pipeline as a custom skill.

Training Outline

Module 1: Plan an Azure AI Document Intelligence Solution

This module introduces how Azure AI Document Intelligence can be used to create solutions that analyse forms and produce structured data for storage or additional processing.

- Introduction to Azure AI Document Intelligence
- Understand AI Document Intelligence
- Plan Azure AI Document Intelligence resources
- Select an appropriate model type

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- Knowledge check
- Module summary

Module 2: Use Prebuilt Azure AI Document Intelligence Models

Participants explore the types of data that can be analysed with prebuilt Azure AI Document Intelligence models and learn how these models can be used within a Document Intelligence solution.

- Introduction to prebuilt models
- Understand the capabilities of prebuilt models
- Work with the General Document, Read, and Layout models
- Use models designed for financial, identity, and tax documents
- **Exercise:** Analyse a document with Azure AI Document Intelligence
- Knowledge check
- Module summary

Module 3: Extract Data from Forms with Azure Document Intelligence

This module explores how Azure Document Intelligence uses machine learning to identify and extract key-value pairs and table data from form documents accurately and at scale.

- Introduction to Azure Document Intelligence
- What is Azure Document Intelligence?
- Get started with Azure Document Intelligence
- Train custom models
- Work with Azure Document Intelligence models
- Use Azure Document Intelligence Studio
- **Exercise:** Extract data from custom forms
- Knowledge check
- Module summary

Module 4: Create a Composed Form Recognizer Model

Participants learn how multiple custom models can be brought together into a composed solution capable of analysing different types of custom documents.

- Introduction to composed models
- Understand how composed models work
- Assemble custom models into a composed model
- **Exercise:** Create a composed model
- Knowledge check
- Module summary

Module 5: Build an Azure AI Document Intelligence Custom Skill for Azure Cognitive Search

The final module focuses on using an Azure AI Document Intelligence solution as a custom skill to enrich content within an Azure Cognitive Search pipeline.

- Introduction to Azure Cognitive Search enrichment
- Understand Azure Cognitive Search enrichment pipelines
- Build an Azure AI Document Intelligence custom skill

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- **Exercise:** Build and deploy an Azure AI Document Intelligence custom skill
- Knowledge check
- Module summary