APPLIED SKILLS

Develop solutions with Azure AI Document Intelligence

Days	SKILL LEVEL	DELIVERY METHOD	Role	TECHNOLOGY
1	Intermediate	VILT/ILT	AI Engineer	Data & AI

Course Overview

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.

Tasks performed.

- Create and configure resources
- Programmatically analyze data in forms
- Create a template-based custom model
- Configure model endpoints for document types
- Extract key value pairs

Prerequisites

- Basic understanding of Azure AI Document Intelligence
- An active Azure account

- Knowledge of Azure portal navigation

- Knowledge of at least one programming language (C#, Python)

Prepare for the assessment.

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.

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.

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.

Learning objectives

In this module, you will learn to:

- Identify business problems that you can solve by using prebuilt models in Azure AI Document Intelligence.

- 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.

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

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.

Learning objectives

In this module, you will 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 analyze forms in multiple formats.

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.

Learning objectives

In this module, you'll learn 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.

Take the assessment.

You will have 2 hr to complete this assessment.

This assessment will use an interactive lab to evaluate your performance. It will take a few minutes to load the lab, and you may do other activities while it loads. After you launch the lab, you will need to wait 72 hours to launch it again. Your mouse movements and text entered during the lab will be recorded for quality purposes. Learn more

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