

# Course: IL - AI-100: Designing and Implementing an Azure AI Solution

## Overview

In this course you will learn how to build a customer support chat Bot that use artificial intelligence from the Microsoft Azure platform including language understanding and pre-built AI functionality in the Azure Cognitive Services. This course will prepare you for AI-100: Designing and Implementing an Azure AI Solution exam.

## Course Details

- Duration: 3 Days
- Level 300

## Who this course is designed for:

- This course is aimed at Cloud Solution Architects, Azure artificial intelligence designers, and AI developers.

## Course Objectives

- Identify storage solutions
- Recommend tools, technologies, and processes to meet process flow requirements
- Map security requirements to tools, technologies, and processes
- Select software and services required to support the solution
- Design an AI solution that includes one or more pipelines
- Design the compute infrastructure to support a solution
- Design Intelligent Edge solutions
- Design data governance
- Design solutions that adhere to cost constraints
- Orchestrate an AI workflow
- Integrate AI services with solution components
- Integrate Intelligent Edge with solutions
- Provision required cloud, on-premises, and hybrid environments
- Validate solutions to ensure compliance with data privacy and security requirements
- Monitor and evaluate the AI environment

## Pre-Requisites

- Azure Fundamentals
- C# Knowledge

## Course Outline

### Course Outline

#### Module 1: Analyze solution requirements

In this module you will learn how to Identify storage solutions, recommend tools, technologies, and processes to meet process flow requirements, map security requirements to tools, technologies, and processes and select software and services required to support the solution.

## Module 2: Design solutions

In this module you will learn how to design an AI solution that includes one or more pipelines, design the compute infrastructure to support a solution, design Intelligent Edge solutions, design data governance and design solutions that adhere to cost constraints.

## Module 3: Integrate AI models into solutions

In this module you will learn how to orchestrate an AI workflow, integrate AI services with solution components and integrate Intelligent Edge with solutions.

## Module 4: Deploy and manage solutions

In this module you will learn how to provision required cloud, on-premises, and hybrid environments, validate solutions to ensure compliance with data privacy and security requirements and monitor and evaluate the AI environment.