

AI-100: Designing and Implementing an Azure AI Solution [AI-100T01-A] training including Exam Voucher

Group Training

Training code	CGAAI100CE
Spoken Language	English
Language Materials	English
Dayparts	6
Price	€1.600,00 excl. VAT No extra costs.

What is AI-100: Designing and Implementing an Azure AI Solution [AI-100T01-A] including Exam Voucher

Gain subject matter expertise using cognitive services, machine learning, and knowledge mining to architect and implement Microsoft AI solutions involving natural language processing, speech, computer vision, and conversational AI.

This course uses MOC (Microsoft Official Courseware) and will be given by an experienced MCT (Microsoft Certified Trainer).

See the below modules for more information:

Module 1: Introducing Azure Cognitive Services

The student will learn about the available Cognitive Services on Microsoft Azure and their role in architecting AI solutions.

Lessons

- Overview of Azure Cognitive Services
- Creating a Cognitive Service on the Azure Portal
- Access and Test a Cognitive Service

Module 2: Creating Bots

The student will learn about the Microsoft Bot Framework and Bot Services.

Lessons

- Introducing the Bot Service
- Creating a Basic Chat Bot
- Testing with the Bot Emulator

Module 3: Enhancing Bots with QnA Maker

The student will learn about the QnA Maker and how to integrate Bots and QnA Maker to build up a useful knowledge base for user interactions.

Lessons

- Introducing QnA Maker
- Implement a Knowledge Base with QnA Maker
- Integrate QnA with a Bot

Module 4: Learn How to Create Language Understanding Functionality with LUIS

The student will learn about Language Understanding with Intents and Utterances (LUIS) and how to create intents and utterances to support a natural language processing solution.

Lessons

- Introducing Language Understanding
- Create a new LUIS Service
- Build LUIS

Module 5: Enhancing Your Bots with LUIS

The student will learn about integrating LUIS with a Bot to better understand the users' intentions when interacting with the Bot.

Lessons

- Overview of language understanding for AI applications
- Integrate LUIS and Bot to create an AI-based solution

Module 6: Integrate Cognitive Services with Bots and Agents

The student will learn about integrating Bots and Agents with Azure Cognitive Services for advanced features such as sentiment analysis, image and text analysis, and OCR and object detection.

Lessons

- Understand Cognitive Services for Bot Interactions
- Perform Sentiment Analysis for your Bot with Text Analytics
- Detect Language in a Bot with the Language Cognitive Services
- Integrate Computer Vision with Bots

Who should attend the AI-100: Designing and Implementing an Azure AI Solution [AI-100T01-A] including Exam Voucher

This course is aimed at Cloud Solution Architects, Azure artificial intelligence designers, and AI developers. You have experience working with data scientists, data engineers, IoT specialists, and software developers.

Also, you will receive a voucher to make the exam. Enlist today!

Prerequisites



The participants should have prior knowledge of:

Professional experience with cloud technologies, and experience with software development.

- Implementing solutions in C# or Python.
- Application development in the cloud.
- Understanding Azure storage technologies.
- If you are completely new to Azure AI services, please complete Microsoft Azure AI Fundamentals first.

Objectives

After completing this course, you will be able to:

Requirements analysis for AI solutions.

- Recommending the appropriate tools and technologies.
- Designing and implementing AI solutions that meet scalability and performance requirements.
- Use of Microsoft Azure Cognitive Services, Azure Bot Service, Azure Cognitive Search, and data storage in Azure.
- Knowledge of the components that make up the Azure AI portfolio and the available data storage options.
- Knowledge of when a custom API should be developed to meet specific requirements.
- Analyze solution requirements; design solutions; integrate AI models into solutions; and deploy and manage solutions.

Exam information

- Exam duration (minutes): 150-210
- % extra time for non-native speakers:
- Number of exam questions: 40-60
- Minimum correct questions:
- Exam style: Multiple choice
- Open book: No

A NEW VERSION OF THIS EXAM, AI-102, WILL BE AVAILABLE ON FEBRUARY 23, 2021. You will be able to take this exam until it retires on June 30, 2021. Note: Exams retire at 11:59 PM Central Standard Time.

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