

Designing and Implementing an Azure AI Solution

Référence : MSAI102

Durée : 5 jours

Certification : AI-102

CONNAISSANCES PREALABLES

- 1-Knowledge of Microsoft Azure and ability to navigate the Azure portal.
- 2-Knowledge of either C#, Python, or JavaScript.

PROFIL DES STAGIAIRES

- Software engineers.

OBJECTIFS

- Create, configure, deploy, and secure Azure Cognitive Services.
- Integrate speech services.
- Integrate text analytics.
- Create language understanding capabilities with LUIS.
- Create and manage Azure Cognitive Search solutions.
- Create intelligent agents using the Bot Framework.
- Implement Computer Vision solutions.

CERTIFICATION PREPAREE

- Azure AI Engineer Associate

METHODES PEDAGOGIQUES

- Mise à disposition d'un poste de travail par stagiaire
- Remise d'une documentation pédagogique papier ou numérique pendant le stage
- La formation est constituée d'apports théoriques, d'exercices pratiques, de réflexions et de retours d'expérience
- Le suivi de cette formation donne lieu à la signature d'une feuille d'émargement

FORMATEUR

Consultant-Formateur expert Azure

METHODE D'EVALUATION DES ACQUIS

- Auto-évaluation des acquis par le stagiaire via un questionnaire
- Attestation de fin de stage adressée avec la facture

CONTENU DU COURS

Create and Manage Azure Cognitive Services

- Create and Manage Cognitive Service Accounts
- Secure Cognitive Services
- Deploy and Consume Cognitive Services Containers
- Lab : Create Azure Cognitive Service Resources
- Lab : Secure Azure Cognitive Services
- Lab : Containerize Azure Cognitive Services

Implement Computer Vision Solutions

- Identify Faces and Expressions by using the Computer Vision API
- Process Images with the Computer Vision Service
- Evaluate Requirements for Implementing the Custom Vision APIs
- Classify Images with the Microsoft Custom Vision Service

- Extract Insights from Videos with the Video Indexer Service
- Lab : Detect Faces
- Lab : Create a Custom Vision Service
- Lab : Extract Insights from Videos with Video Indexer

Implement Language Analysis Solutions

- Add Basic Conversational Intelligence to your App by using Language Understanding
- Manage your Language Understanding Service
- Use Containers for your Language Understanding Service
- Discover Sentiment in Text with the Text Analytics API
- Recognize Entities in Text with the Text Analytics API
- Extract Key Phrases from Text with the Text Analytics API

- Detect Language with the Text Analytics API
- Lab : Implement the Language Understanding Service
- Lab : Manage Your Language Understanding Service
- Lab : Containerize Language Understanding
- Lab : Perform Sentiment Analysis
- Lab : Perform Entity Recognition
- Lab : Perform Key Phrase Extraction
- Lab : Perform Language Detection

Implement Knowledge Mining Solutions

- Create an Azure Cognitive Search Solution
- Create an Enrichment Pipeline with Azure Cognitive Search
- Create a Knowledge Store with Azure Cognitive Search
- Lab : Create an Azure Cognitive Search Solution
- Lab : Create an Enrichment Pipeline
- Lab : Create a Knowledge Store

Implement Conversational AI Solutions

- Build a Chat Bot in the Azure Portal
- Design a Bot Conversation Flow
- Create a Bot with the Bot Framework Composer
- Lab : Create a Bot with the Azure Portal
- Lab : Create a Bot with the Bot Framework Composer

Certification Microsoft Azure AI Engineer Associate

- This course prepares to the passage of the Microsoft certification Azure AI Engineer Associate