

AZ-300T06-A : Developing for the Cloud

Learn how to configure a message-based integration architecture, develop for asynchronous processing, create apps for autoscaling, and better understand Azure Cognitive Services solutions.

Détails

- Code : AZ-300T06
- Durée : 1 jour (7 heures)

Public

- Administrateurs
- Administrateurs de bases de données
- Administrateurs de Cloud
- Administrateurs de data warehouse
- Administrateurs Linux
- Administrateurs systèmes
- Administrateurs systèmes et réseaux
- Administrators

Pré-requis

Objectifs

- How to configure a message-based integration architecture
- Understand how to Develop for Asynchronous Processing
- Begin creating apps for Autoscaling
- Understand Azure Cognitive Services Solutions

Programme

Module 1: Developing Long-Running Tasks and Distributed Transactions

- Lessons
 - Implementing large-scale, parallel, and high-performance apps using batches
 - HPC using Microsoft Azure Virtual Machines
 - Implementing resilient apps by using queues As well as, implementing code to address application events by using webhooks. Implementing a webhook gives an external resource a URL for an application
 - The external resource then issues an HTTP request to that URL whenever a change is made that requires the application to take an action

Module 2: Configuring a Message-Based Integration Architecture

- Lessons
 - Configure an app or service to send emails
 - Configure an event publish and subscribe model
 - Configure the Azure Relay service
 - Configure apps and services with Microsoft Graph
- After completing this module, students will be able to:
 - How to configure a message-based integration architecture

Module 3: Developing for Asynchronous Processing

- Lessons
 - Implement parallelism, multithreading, and processing
 - Implement Azure Functions and Azure Logic Apps

- Implement interfaces for storage or data access
- Implement appropriate asynchronous computing models
- Implement autoscaling rules and patterns
- After completing this module, students will be able to:
 - Understand how to Develop for Asynchronous Processing

Module 4: Developing for Autoscaling

- Lessons
 - Implementing autoscaling rules and patterns
 - Implementing code that addresses singleton application instances
 - Implementing code that addresses a transient state
- After completing this module, students will be able to:
 - Begin creating apps for Autoscaling

Module 5: Developing Azure Cognitive Services Solutions

- Lessons
 - Developing Solutions using Computer Vision
 - Developing solutions using Bing Web Search
 - Developing solutions using Custom Speech Service
 - Developing solutions using QnA Maker
- After completing this module, students will be able to:
 - Understand Azure Cognitive Services Solutions

Module 6: Develop for Azure Storage

- Lessons
 - Develop Solutions that use Azure Cosmos DB Storage
 - Develop Solutions that use a Relational Database

- Modeling a Database by using Entity Framework Core
 - Develop Solutions that use Microsoft Azure Blob Storage
 - Manipulating Blob Container Properties in .NET
- After completing this module, students will be able to:
 - Understand Azure Storage services such as blobs and Cosmos DB

Modalités

- **Type d'action** :Acquisition des connaissances
- **Moyens de la formation** :Formation présentielle - 1 poste par stagiaire - 1 vidéo projecteur - Support de cours fourni à chaque stagiaire
- **Modalités pédagogiques** :Exposés - Cas pratiques - Synthèse
- **Validation** :Exercices de validation - Attestation de stages