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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

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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