

AZ-301T03-A : Designing for Deployment, Migration, and Integration

Learn how to deploy an ARM template to a resource group, author a complex deployment using the Azure Building Blocks tools, and integrate an API or Logic App with the API Management service.

Détails

- Code : AZ-301T03
- 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

- Create a resource group
- Add resources to a resource group
- Deploy an ARM template to a resource group Integrate an API or Logic App with the API Management service
- Design an App Service Plan or multi-region deployment for high performance and scale
- Integrate an API or Logic App with the API Management service

Programme

Module 1: Deploying Resources with Azure Resource Manager

- Description
 - This module establishes a basic understanding of Azure Resource Manager and the core concepts of deployments, resources, templates, resource groups, and tags
 - The module will dive deeply into the automated deployment of resources using ARM templates
- Lab
 - Deploying Resources with Azure Resource Manager
- After completing this module, students will be able to:
 - Create a resource group
 - Add resources to a resource group
 - Deploy an ARM template to a resource group
 - Filter resources using tags
 - Author a complex deployment using the Azure Building Blocks tools

Module 2: Creating Managed Server Applications in Azure

- Description
 - This module describes how solutions can leverage serverless application hosting services in Azure to host web applications, REST APIs, integration workflows and HPC workloads without the

requirement to manage specific server resources

- The module focuses on App Services-related components such as Web Apps, API Apps, Mobile Apps, Logic Apps, and Functions

- Lab
 - Deploying Managed Containerized Workloads to Azure
- After completing this module, students will be able to:
 - Select between hosting application code or containers in an App Service instance
 - Describe the differences between API, Mobile, and Web Apps
 - Integrate an API or Logic App with the API Management service
 - Design an App Service Plan or multi-region deployment for high performance and scale

Module 3: Authoring Serverless Applications in Azure

- Description
 - This module describes how solutions can leverage serverless application hosting services in Azure to host web applications, REST APIs, integration workflows and HPC workloads without the requirement to manage specific server resources
 - The module focuses on App Services-related components such as Web Apps, API Apps, Mobile Apps, Logic Apps, and Functions
- Lab

- Deploying Serverless Workloads to Azure
- After completing this module, students will be able to:
 - Select between hosting application code or containers in an App Service instance
 - Describe the differences between API, Mobile, and

- Web Apps
- Integrate an API or Logic App with the API Management service
 - Design an App Service Plan or multi-region deployment for high performance and scale

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