Azure API Management

Duration 2 days (16 hrs)

Module 1: Introduction to Azure API Management

- Introduction
- What is Azure API Management?
- How Azure API Management works
  - API Management components
  - API gateway
  - Management plane
  - Developer portal
  - API Management tiers
  - Integration with Azure services
- When to use Azure API Management

Module 2: Working with API Management

- Import your first API
- Create and publish a product
- Mock API responses
- Protect your API
- Monitor published APIs
- Debug your APIs
- Add revisions
- Add multiple versions

Module 3: Developer Portal

- Overview of the developer portal
- Working with subscription
- Secure access to developer portal
- Access and customize the developer portal

Module 4: Explore API Management

- Introduction
- Discover the API Management service
- Explore API gateways
  - Role of the gateway
  - Managed and self-hosted
  - Feature comparison: Managed versus self-hosted gateways

Module 5: API Management Policies

- Explore API Management policies
- Create advanced policies
- Secure APIs by using subscriptions
- Secure APIs by using certificates
- Exercise - Create a backend API

Module 6: Publish and manage your APIs with Azure API Management

- Introduction
- Create an API gateway
- Exercise - Create an API gateway
- Import and publish an API
- Exercise - Import and publish an API
- Call an API with a subscription key
- Exercise - Call an API with a subscription key

Module 7: Improve the performance of an API by adding a caching policy in Azure API Management

- Introduction
- Choose the right API Management policy
- Knowledge check
- Configure a caching policy
- Exercise - Configure a caching policy

Module 8: Protect your APIs on Azure API Management

- Introduction
- Remove technical information from API responses
- Exercise - Remove header information
- Mask URLs with a transformation policy
- Exercise - Mask URLs with a transformation policy
- Throttle API requests
- Exercise - Throttle API requests

Module 9: Control access to your APIs with Azure API Management

- Introduction
- What is API Management?
- Create subscriptions in Azure API Management
- Exercise - Create subscriptions in Azure API Management
- Use client certificates to secure access to an API
- Exercise - Use client certificates to secure access to an API

Module 10: Expose multiple Azure Function apps as a consistent API by using Azure API Management

- Introduction
- Create a new API in API Management from a function app
- Exercise - Create a new API in API Management from a function app
- The benefits of using Azure API Management to compose your API
- Exercise - Add another Azure Functions app to an existing API