

Architect API Integration Services

Overview

The Architect API Integration Services certification denotes expertise in designing, implementing, and managing high-performance, scalable API integrations. This role is crucial in industries where digital transformation is increasingly reliant on seamless interoperability between systems, applications, and services. Industries utilize this certification as it validates the competency of IT professionals in areas such as system integration, API design, security protocols, and cloud environments. Through the knowledge denoted by this certification, API Architects can deliver robust, scalable solutions for complex business processes, bridging the gap between diverse systems and facilitating fluent digital communication.

Module 1: Publish and manage your API's with Azure API Management

Introduction

Create an API gateway

Exercise: Create an API gateway

Import and publish with an API

Exercise: Import and publish with an API

Call an API with subscription key

Module 2: Improve the performance of an API by adding a caching policy in Azure API Management

Choose the right API Management policy

Knowledge check

Configure a caching policy

Exercise:- Configure a caching policy

Module 3: Protect your APIs on Azure API Management

Remove technical information from API responses

Exercise:- remove header information

Mask URL's with a transformation Policy

Exercise - Mask URLs with a transformation policy

Throttle API request

Module 4: API Gateways

API Gateway Concepts.

Authentication, SSL termination, Routing

Load Balancing, Monitoring and Billing

Module 5: Event Grid Topics

Introduction to Event Grid

Logging and Monitoring in Azure Functions Register Event Grid with Subscription

Built-in events and custom events.

Module 6: - Azure Data Factory

What is Data Factory and Data Factory in Azure.

Provisioning of Azure DF, Pipeline, Activities, Linked Service, Datasets.

Data Factory - Triggers, Data Flow

User Properties & Monitoring