KOENIG

WS02 API Management

- 1. Introduction to WSO2 API Manager
 - a. Terminology and Background
 - b. Architecture
 - c. Need of WSO2 Today
- 2. Working with API using .NET 6
 - a. Understanding API Architecture
 - b. Develop API with API Controller
- 3. Getting Started with the API Manager
 - a. API Creation (REST, SOAP)
 - b. API CRUD
 - c. Managing APIs
 - d. Web Socket
- 4. Getting Started with the Developer Portal
 - a. APIs and Applications
 - b. Subscribing and Invoking the API
 - c. Grant Types & Sharing
 - d. Client SDKs
- 5. Working with API Controller
 - a. Creating an API via DevFirst Approach
 - b. Migrating APIs and API Products
 - c. API Controller Functions
- 6. Working with OAuth2.0
 - a. OAuth Architecture
 - b. Understanding OAuth Grants & Scope
- 7. API Security
 - a. Authentication using OAUTH2, API Key, Basic Auth
 - b. Authorization (Scopes Validation, Schema Validation)
 - c. Working with JWT
 - d. Passing JWT to the backend
 - e. Managing Backend Certificates
 - f. Working with Secured Endpoints
 - g. Encrypting Secure Endpoints
- 8. Understanding Web Attacks
 - a. SQL Injection
 - b. Cross-Site Forgery
 - c. Token Hijacking
 - d. Fuzzing
 - e. The solution to all above
- 9. API Visibility and Access control
 - a. API Publisher Access & Visibility Control
 - b. Publish API to Azure at APIM