

WSO2 Open Banking v4 Technical Enablement

OEM: WSO2 • Code: OB4TE

COURSE DESCRIPTION

WSO2 Open Banking Accelerators v4 Technical Enablement is a course designed to train WSO2 partners and customers on the core concepts and standards of Open Banking. It covers how WSO2 Open Banking Accelerators v4.0 help banks achieve open banking compliance, the generic features the accelerators support, and how developers can use the accelerator extension points to build extensions that comply with regional open banking technical standards. Training Type: WSO2 solutions training. Complexity: Beginner/Intermediate.

AUDIENCE PROFILE

- Solutions architects, software engineers, integration engineers, and technical consultants who want to understand the conceptual foundations of Open Banking, how banks can achieve Open Banking compliance using WSO2 Open Banking Accelerators, including generic Open Banking features WSO2 Open Banking accelerators provides such as FAPI onboarding, consent management, and API security.

PREREQUISITES

- About WSO2
- WSO2 Platform including WSO2 API Manager , WSO2 Identity Server
- About WSO2 Open Banking

Open Standards

- OpenID Connect
- OAuth 2.0
- FAPI
- REST APIs / Open API definitions
- MTLS
- JWT
- JWS

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- This section doesn't contain any content.

Module 1: Session 1

- Introduction to Open Banking

Introduction to the WSO2 Open Banking Offering

- Main Features of WSO2 Open Banking
- Obtaining Specification Compliance via WSO2 Open Banking Accelerator

Model

- Steps to Achieve Open Banking Specification Compliance
- Example Application of the Accelerator Model to Spec Compliance
- Main Open Banking flows Supported
- Accelerator Features for Open Banking
- Accelerator Extension Points
- Accelerator-Toolkit Model in OB 4.0.0
- Docker Story for Open Banking Accelerators 4.0.0
- Practical Exercise/Demo

Module 2: Session 2

Manual Client Registration

- What is Client Registration?
- What is Manual Client Registration?
- Manual Regulatory App Registration
- Extension Points
- Practical Exercise/Demo

Dynamic Client Registration DCR

- What is Dynamic Client Registration?
- Dynamic Client Registration Flows in WSO2 Open Banking Accelerators
- Dynamic Client Registration Extension Points
- Practical Exercise/Demo

Consent Management

- Introduction
- Consent Manage
- Consent Authorize
- Consent Validate
- Consent Admin API
- Consent Manager Portal
- Consent Page Customizations
- Consent Page Customizations

- Consent Management - Error Handling
- Practical Exercise/Demo

Module 3: Session 3

API Security

- API Security Features of the WSO2 Open Banking Accelerators
- Transport Layer Security
- Authorization Endpoint Security
- Authorization Flow
- Request Object Verification
- Token Endpoint Security
- Client Authentication
- Resource Endpoint Security

Consumer Authentication

- Consumer Authentication Approaches
- Challenges in Consumer Authentication
- Consumer Authentication & Authorization in WSO2 Open Banking

Accelerators

- Adding Authenticators for Banking Requirements
- Accelerator Extension Points in the Authorize Flow
- Customizing the Consent Page
- Practical Exercise/Demo

Module 4: Session 4

API Flows

- WSO2 API Gateway
- WSO2 API Manager Policies
- Practical Exercise/Demo

Event Notifications

- Introduction
- Event Subscription
- Event Creation
- Event Polling
- Event Notification Architecture
- Extension Points
- Error Handling
- Practical Exercise/Demo

- Hardware Requirement: During the lab sessions, the attendees are required to deploy the samples in multiple middleware products. Thus, the participants are required to have a workstation with at least 6GB of memory to run the samples smoothly.
- Software Requirement: Make sure to install the following software in the workstations of the attendees.
- Software Requirement: JAVA OpenJDK 21, OpenJDK 17 or OpenJDK 11
- Software Requirement: WSO2 API Manager Version 4.6.0/4.5.0/4.4.0/4.3.0
- Software Requirement: WSO2 Identity Server Version 7.2.0/7.1.0/7.0.0
- Software Requirement: Other Products Postman, MySQL, JDBC driver for MySQL, cURL