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Oracle Integration Cloud Course Content

1. Overview of Service-Oriented Architecture (SOA) for Integration

- SOA to a Layman
- Overview of Integration
- Advantages of Using SOA in Integration
- Importance of SOA and Integration
- Building Blocks of Integration

2. Integration Prerequisite Technologies Deep Dive

- XML (Extensible Markup Language)
- XSD (XML Schema Definition)
- WSDL (Web Services Description Language)
- JSON
- XPATH & XSLT

3. Integration Messaging Patterns

- Synchronous vs Asynchronous vs One-Way Integration
- Integration Principles

4. Oracle Integration Cloud Services (OIC) Overview

- Introduction to Core Components of OIC
- Integration Patterns in OIC
- OIC Architecture
- Integration Workflow
- Integration Scenarios





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- Integrations in OIC Overview
- OIC Integration Patterns
- App-Driven Orchestration
- Scheduled Integrations

5. Types of Adapters in OIC

- Webservice – SOAP and REST
- Database – ATP
- File – FTP
- Cloud Adapters – ERP and HCM Cloud

6. REST vs SOAP Web Services

- REST Web Services
- SOAP Web Services
- Comparison Between REST and SOAP

7. Adapter Inbound and Outbound Roles

- Understanding Adapter Roles
- Inbound vs Outbound Adapters

8. OIC Deep Dive in Action

- What is a Connection?
- What is an Adapter?
- What is Integration?
- Packages in OIC
- Lookups and Their Importance
- Visual Mappers in OIC





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- Enabling Tracking Parameters
- Deploying Your Integration
- Integration Tracing
- Scheduling Integrations in OIC
- Calling External REST API in OIC Using the REST Adapter
- Creating an Integration in OIC to Expose SOAP Service
- File Management in OIC
 - Creating, Deleting, Moving, Copying, Reading, Listing Files
 - Downloading, Zipping, and Unzipping Files
- REST Adapter Use Cases
 - PUT
 - PATCH
 - GET
 - POST
 - DELETE
- SOAP Adapter Use Cases
- FTP Adapter Use Cases
- Operations with Oracle ATP Adapter
- Oracle ERP Adapter
- Oracle HCM Adapter
- Performing Database Operations
 - Insert
 - Update
 - Delete
 - Select
 - UPSERT





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- Stored Procedure
- Pure SQL Query
- Using REST API to Manage Files in FTP Server
- Using SOAP API to Manage Files in FTP Server

9. OIC Dashboard and Monitoring

- Monitoring Live Integrations in OIC
- Tracking Integration Instances with Filters
- Managing and Monitoring Integrations
- Retrieving Runtime Data and Metrics
- Tracking Integrations Using Primary and Secondary Business Identifiers
- Notification and Global Fault Handler in OIC
- Exception Handling in OIC

10. OIC Versioning and Cloning

- Integration Promotion from One Instance to Another
- Creating Different Versions of Integrations
- Cloning an Integration
- Cloning a Connection
- Versioning vs Cloning in OIC
- Exporting and Importing OIC Integrations, Packages, and Lookups

11. BI Publisher Reports Overview

- Introduction to BI Publisher
- Types of Reports in BI Publisher
- Integrating BI Publisher with OIC





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12. Real-Time Scenarios: Inbound and Outbound Integrations

- Develop and call BIP Reports from Oracle Fusion within Oracle Integration Cloud (OIC).
- Extract GL Period Information from Fusion using REST APIs and load it into ATP via Sync Integration.
- Create or update Supplier, Address, and Site details in Oracle Fusion Cloud using REST API integration.
- Load Customer Account Information into Oracle Fusion using the FBDI (File-Based Data Import) approach.

