

OIC Training Course Content

Course Duration – 90+ Hrs., 8-10 Weeks

Course Information

Batch Options

Weekday Mor. & Eve. Batches
Mon – Fri/Sat | 1-1.5 Hr./Day

About the Trainer

Industry Expert Trainer with **20+ Years**
Real-Time Work Experience at Top US
Based Product and Consulting Firms

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Complete OIC Gen 3 Training – Integrations + VBCS Redwood + OPA + B2B/EDI + RPA + Decision Model & HITL + OCI AI + MCP + Real-Time Projects

Introduction to Oracle Integration Cloud (OIC Gen 3) Training

Oracle Integration Cloud

Oracle Integration Cloud (Gen 3) has the power to integrate your cloud and on-premises applications, automate business processes, gain insight into your business processes, and develop visual applications-all in one place.

What you'll learn

1. **90+ Hours OIC Training – 60+ Hours Live Instructor-Led + 30+ Hours Guided Self-Paced Learning**
2. **Build a wide range of Integrations in OIC** for SaaS to SaaS, and SaaS to On-Premises use cases.
3. Master **Inbound, Outbound, Event Driven and Third-Party Complex Integrations** in OIC.
4. Build a variety of **VBCS apps using Complex Redwood Patterns and Templates**
5. Build Complex **HCM, SCM and Finance Web Apps** using Redwood & complex action chains.
6. Master building process automations using **OCI Process Automation**.
7. Build **multi-layer complex approval flows in OPA** and call them from VBCS
8. Build an **End to End Project for real time customer use case** using VBCS, OPA and ICS
9. **Guided Self-Paced Learning** - B2B/EDI, RPA, Object Storage, OCI AI Automation Service Use Cases, MCP & AI Agents, HDL, Connectivity Agent, OIC Admin, Migration & Versioning, VBCS Order Mgmt. App
10. Build **B2B/EDI integrations in OIC** with end-to-end trading partner config. and EDI document processing
11. Automate UI-based business processes using **Robotic Process Automation (RPA)** integrated with OIC
12. Build intelligent business rules and approval flows using **Decision Models and Human-in-the-Loop (HITL)**
13. Build **end-to-end AI automation use cases** by integrating OIC with **OCI AI Services** and enterprise apps.
14. Understand **MCP & AI Agents in OIC** - how OIC integrations can be exposed & consumed as **MCP tools**
15. **Oracle OIC certification guidance** with sample certification questions and exam preparation support
16. **Job & interview readiness** with regular **OIC job openings & referrals** through our client network

Course Content

Module 1: Introduction to Oracle Integration Cloud

- Why do we need OIC?
- Integration Challenges
- What is OIC?
- Introduction to OIC Components - Integration, OPA, VBCS
- Understand Salesforce to ERP Service use case in OIC
- High level overview of the course content

Module 2: Integration Designer Options Overview in OIC

- Navigation Basics in OIC, Create Vs Import
- Integration Styles in OIC, Connections, and Packages
- Explain usage of Lookups and Agents
- Complete Integration Designer options overview

Module 3: SOAP Service Basics

- What are Web Services?
- SOAP Service Basics
- XSD, WSDL and XML
- Test Standard SOAP Service – ERP Integration Service

Module 4: REST API Basics

- What are Web Services?
- REST API Vs SOAP
- HTTP Methods, Params
- URI and JSON Payloads
- Test Standard REST API – ERP Banks REST API

PART 1: Building Application Integrations in OIC

Module 5: Projects Creation in OIC.

- Understand Projects creation in OIC
- Access Control in Projects
- Integration Styles available in Integrations

Module 6: Build First REST API in OIC – Application Orchestration Style

- Build the API
- Enable Tracking on the API
- Activate the API
- Basic Auth vs OAuth
- Test the API & Monitor the request

Module 7: Build First SOAP Service in OIC – Application Orchestration Style

- Build the SOAP Service
- Enable Tracking & Activate Service.
- Concrete vs Abstract WSDLs
- Test the SOAP Service & Monitor the request

Module 8: Build Complex File Transfer Service - File Transfer Style

- Understand FTP Adapter Capabilities
- Demo on PGP Encryption
- Build File Transfer Service to move files using FTP adapter
- Demo Basic and Advanced Scheduling Options
- Activate, Schedule, Test and Monitor the Integration runs

Module 9: Build Complex Journal Import Service - App Driven Orchestration Style

- Use Case – Import Journals in ERP Cloud using web services approach
- Build complex integration with App Driven Orchestration style
- Perform complex transformations in Integration
- Use Scope, Loops and Notifications in OIC
- Use Fault Handling Mechanism & Notifications
- Activate, Test and Monitor the Integration runs

Module 10: Build Complex PO Invoice REST API - App Driven Orchestration Style

- Use Case – Build REST API with multiple Endpoints to Import Purchase Orders in ERP
- Expose GET endpoint to fetch Purchase Order Details from ERP Cloud
- Expose POST endpoint to create Purchase Orders in ERP Cloud
- Use DATA STITCH and GLOBAL variables to capture PO status

Module 11: FBDI Automation Service - Scheduled Orchestration Style

- Use Case – Automate the load of GL Daily rates in ERP Cloud using FBDI approach
- Build FBDI automation integration using scheduled orchestration style
- Kick off bulk import in ERP Cloud to import data in cloud
- Build Callback Integration to feedback user and to download log/output files from ERP CloudF,
- FBDI Stage File Options and extensive usage of ATP DB in FBDI

Module 12: Publish to OIC Service

- Build Publish to OIC Service which subscribes to SaaS business event
- Publishes message to OIC Events Streaming
- Activate, Test and Monitor the Publish to OIC Service

Module 13: Subscribe to OIC Services

- Build Subscribe to OIC Services to subscribe to message in OIC Event Streaming
- Write file to FTP from 1 subscriber service and insert details into ATP.
- Activate, Test and Monitor the Integration runs

Module 14: SaaS to On Premise Service with Connectivity Agent

- Use Case – Item updates in ERP Cloud should be synced automatically to On Premise database
- Introduce Agent Group concept in OIC
- Establish connectivity between SaaS cloud and On Premise using an agent
- Build Integration to push item updates from ERP Cloud to On Premise database
- Activate, Test and Monitor the Integration runs

Module 15: Salesforce to ERP Cloud Service & HCM Data Loader Services

- Use Case: Create Customer Account in ERP Cloud as soon as it is created in Salesforce
- Performs required setups in Salesforce and ERP Cloud
- Build an Integration to integrate Salesforce with ERP Cloud
- Use Case – Data load to HCM Cloud using HCM Data Loader
- Activate, Test and Monitor the Integration runs

Module 16: Build HCM Extracts & Atom Feed Services

- Build Outbound flows using HCM Extracts for bulk extraction from HCM
- Build Outbound flows using HCM Atom Feed for low volume of HCM

- Comparison between HCM Extracts vs Atom Feeds
- Activate, Test and Monitor the Integration runs

Module 17: Outbound Flow/Bulk Extraction from ERP Cloud

- Use Case – Set up Outbound Flow/Bulk Extraction from ERP Cloud to SFTP using BIP report
- Build Integration using App Driven orchestration style
- Kick off BIP report using External Report Service
- Decode the output and push it to SFTP

Module 18: Versioning and Cloning, Migration of Integrations using Packages & Projects

- Understand and use versioning in Integrations
- Understand and use cloning in OIC
- Use Packages to do bulk migration of Integrations
- Use Integration archive files to migrate 1 integration at a time

PART 2: Build Redwood Web Apps using Visual Builder Cloud Service (VBCS)

Module 19: Introduction to VBCS Redwood Framework

- Introduction to VBCS Redwood Framework
- Understand in depth the redwood patterns and templates
- Understand the data sources available in VBCS
- Managing the life cycle of VBCS app

Module 20: Build HR Web Application

- Build HR Web Application using VBCS
- Load Business Objects using Excel and use them as data source
- Use Redwood Page Welcome and General Overview Templates
- Understand the building blocks of VBCS
- Create and Use Datatypes, Variables, Pages, Routings etc.
- Explore Action Chains and all the available features
- Activate and Test the VBCS app

Module 21: Build Complex Order Management App

- Understand how to use All redwood templates in VBCS
- Build Complex order management app using all the features
- Create Complex action chains
- Activate and Test the VBCS app

Module 22: Mobile App (Progressive Web App) in VBCS

- Explain Progressive Web App (PWA) and its build process
- Build Mobile App in VBCS as PWA
- Stage the app and demo installation using QR Code
- Explain how updates can be pushed downstream automatically

PART 3: Oracle Cloud Infrastructure Process Automation (OCI)

Module 23: Introduction to OPA

- Introduction to OCI OPA
- Understand OPA Components
- Understand and explore the seeded templates available in PCS

Module 24: Build First PCS application

- Build PCS app using Quick Start template
- Understand various options available in PCS app
- Activate, Test and Monitor the process runs
- PCS App Life Cycle Management
- Migration and Deployment of PCS App

Module 25: Build Dynamic Process in PCS

- Understand how Dynamic Process works in PCS
- Create a Dynamic Process for a Use Case
- Explore and use Stages, Activities, Roles, and Markers in Dynamic Process
- Activate the dynamic process, Test and Monitor the process

Module 26: Build Mix and Match Process in PCS

- Understand How Mix and Match Process works in PCS

- Invoke Structured process from Dynamic Process and vice versa
- Activate the Mix and Match process, Test and Monitor the process

Module 27: Build Decision Model in PCS

- Understand how Decision Model works in PCS
- Create a Decision Model for a Use Case
- Activate Decision Model and Create a snapshot
- Create PCS App and invoke Decision Model created above

******* PROJECT - Complex AR Invoice End to End (E2E) Solution (VBCS -> PCS -> ICS -> ERP)**

Introduction to Project Use Case

Customer has a requirement to build a custom web application which will allow 250 odd users to login and submit AR Income Requests. These requests need to go through the Manager and Income Department approval and might also need Finance Director approval in case amount exceeds certain limit prior to interfacing into Oracle ERP Cloud.

Components required for Solution Build:

- Understand how Decision Model works in PCS
- Create a Decision Model for a Use Case
- Activate Decision Model and Create a snapshot
- Create PCS App and invoke Decision Model created above

Module 28: Build Complex AR Invoice Web App using VBCS

- Build Complex AR Invoice App using Redwood
- Design & Implement Smart Search Redwood Page
- Explore and use all the features available in VBCS
- Invoke ERP AR Invoice REST API to push AR Invoice to ERP Cloud
- Invoke PCS Approval Process from VBCS on invoice submission
- Implement sorting and filtering in app
- Explore Validation Options available in VBCS
- Use Java Script functions to do custom validations
- Activate and Test the VBCS App

Module 29: Build Complex Invoice Approval Process in OPA

- Build Complex Invoice Approval Process in OPA
- Multilayer approval process with conditional rules
- Design a form and attach to trigger connection in OPA
- Register and Invoke Internal and External APIs
- Build PCS application tying all the components together
- Activate, Test and Monitor the process runs

Module 30: AR Invoice REST API Build in ICS

- Build Complex AR Invoice REST API
- PCS to invoke this REST API once Invoice is Approved
- REST API to receive Invoice Id from PCS
- Pull the Invoice and Invoice Line Details from VBCS
- Create AR Invoice in ERP Cloud and update status back on VBCS Invoice Request

Module 31: Test the E2E Flow - VBCS -> PCS -> ICS -> ERP Cloud

- Login to VBCS App and submit Invoice Request
- Approval process in OPA should be triggered and Manager should receive notification
- Once Invoice is finally approved, REST API should get kicked off in ICS
- ICS REST API to create AR Invoice in ERP Cloud and
- Update Transaction Number and Status back on Invoice Request in VBCS

Module 32: Build B2B / EDI Integrations in OIC

- Introduction to B2B and EDI concepts in Oracle Integration Cloud
- Configure B2B Trading Partners, Agreements and Identifiers
- Understand EDI Document Standards and B2B message processing in OIC
- Build End-to-End EDI 850 Purchase Order Integration
- Configure inbound/outbound B2B message processing and SFTP transport
- Build Second End-to-End B2B / EDI Integration covering another business flow
- Test, Monitor and Troubleshoot B2B / EDI transactions in OIC

Module 33: Robotic Process Automation (RPA) in OIC

- Introduction to Robotic Process Automation (RPA) in OIC
- Understand OIC Robots, Robot Agents and RPA Components

- Configure Robot Agent and establish connectivity with OIC
- Build UI-based automation for a real-time business use case
- Invoke and orchestrate RPA automation from OIC Integration
- Test and Monitor Robot execution in OIC

Module 34: OCI Object Storage Integration

- Introduction to OCI Object Storage and its usage with OIC
- Create Buckets and understand Objects in OCI Object Storage
- Configure connectivity between OIC and OCI Object Storage
- Upload, Read and Process Files from Object Storage using OIC
- Build an end-to-end file processing integration using Object Storage
- Test and Monitor the Integration

Module 35: Introduction to OCI AI Services

- Introduction to OCI AI Services and AI capabilities available in OCI
- Overview of **OCI Language, Document Understanding and Generative AI Services**
- Understand common enterprise use cases for OCI AI Services
- Configure required OCI access, policies and authentication
- Understand how OIC can invoke OCI AI Services
- Test OCI AI Services and review AI-generated responses

Module 36: AI Automation – Email to ServiceNow

- Understand the **Email → AI Processing → ServiceNow** automation use case
- Configure OIC to read incoming customer emails
- Use **OCI AI Language Services** to analyze email content and sentiment
- Apply Lookup and routing logic based on AI analysis
- **Automatically create ServiceNow** Incidents for identified customer issues
- Send automated email notifications based on processing results
- Test and monitor the complete end-to-end AI automation flow

Module 37: Intelligent Expense Automation using OCI AI Services, Decision Model & HITL - 1

- Understand the end-to-end **Intelligent Expense Automation** use case
- Read and process Expense Receipt images from File Server
- Use **OCI Document Understanding** to extract expense receipt information

- Use **OCI Generative AI** to classify expense transactions

Module 38: Intelligent Expense Automation using OCI AI Services, Decision Model & HITL- 2

- Use **Decision Model** to evaluate expense policy rules
- Automatically approve transactions that meet defined policy conditions
- Trigger **Human-in-the-Loop (HITL)** approval when manual review is required
- Create approved Expense Records in **Oracle HCM Cloud**
- Build a **Wrapper Integration in OIC** to orchestrate the complete automation flow
- Test and monitor the end-to-end Intelligent Expense Automation solution

Module 39: Introduction to MCP & AI Agents in OIC

- Introduction to **Model Context Protocol (MCP)** and AI Agents
- Understand the role of MCP in Agentic AI integrations
- Understand **MCP capabilities available in Oracle Integration Cloud**
- Learn how OIC Integrations can be **exposed as MCP Tools**
- Understand how AI Agents can discover and consume OIC MCP Tools
- Demonstrate an OIC Integration being consumed as an MCP Tool
- Overview of how **OIC, MCP and AI Agents** work together in enterprise automation

Module 40: Guidance on Certification and Resume Preparation, Interview and Job Assistance

- Guidance on **Oracle OIC Certification and Preparation**
- Share **sample certification questions** and preparation guidance
- Guidance on preparing an **OIC Integration Consultant resume** aligned with real-time project experience
- Discuss **commonly asked OIC interview questions and real-time scenarios**
- Conduct **Mock Interviews with personalized feedback**
- Guidance on **presenting OIC projects and hands-on experience** effectively during interviews
- Regularly share **OIC job openings & referrals** through our client network