Welcome to the World of OIC

- OIC – Oracle Integration Cloud, a PaaS Software by Oracle.

- With OIC, you have the power to

  - ✓ *integrate* the cloud and on premise applications

  - ✓ *automate* business processes

  - ✓ *gain* insight into business processes

  - ✓ *develop* visual user interfaces
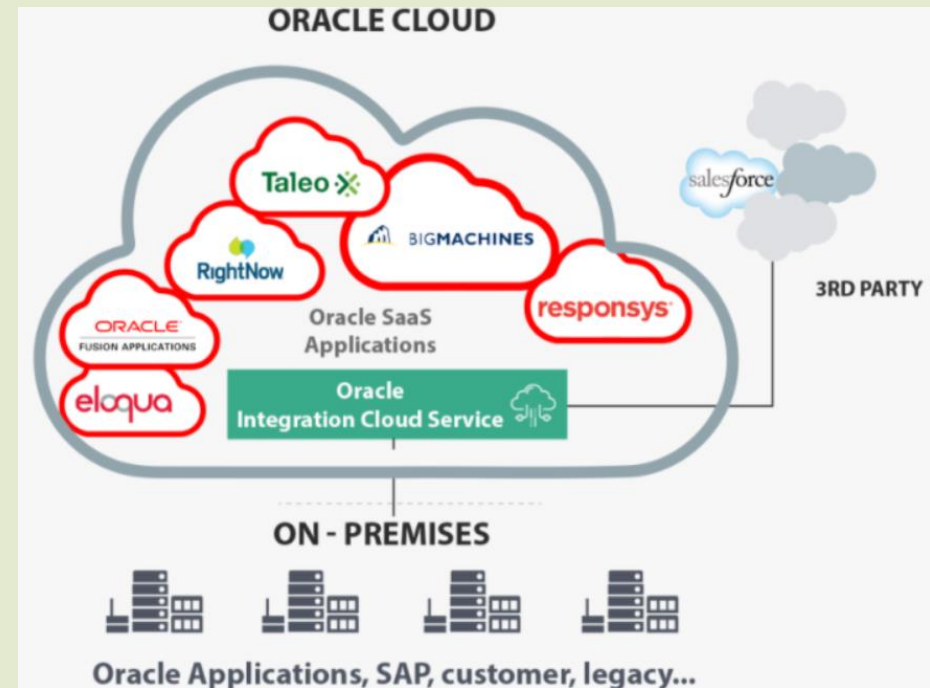

Image Source: blogs.oracle.com

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Competitors of OIC

- Oracle SOA Cloud Services by Oracle

- Oracle Data Integration Platform Cloud Services by Oracle

- Anypoint Platform by Mulesoft

- Dell Boomi by Dell

- SAP Cloud Platform by SAP Labs

- Workato App by Workato

- IBM App Connect by IBM

- IFTTT by IFTTT Inc.

- SnapLogic Intelligent Integration Platform by SnapLogic

- Informatica Intelligent Cloud Services by Informatica

- Zapier Platform by Zapier

- Azuqua by Azuqua

- WSO2 by WSO2

Oracle SOA CS

Oracle DIPC

Anypoint Platform

Workato App

Dell Boomi

SAP Cloud Platform

Competitors of OIC

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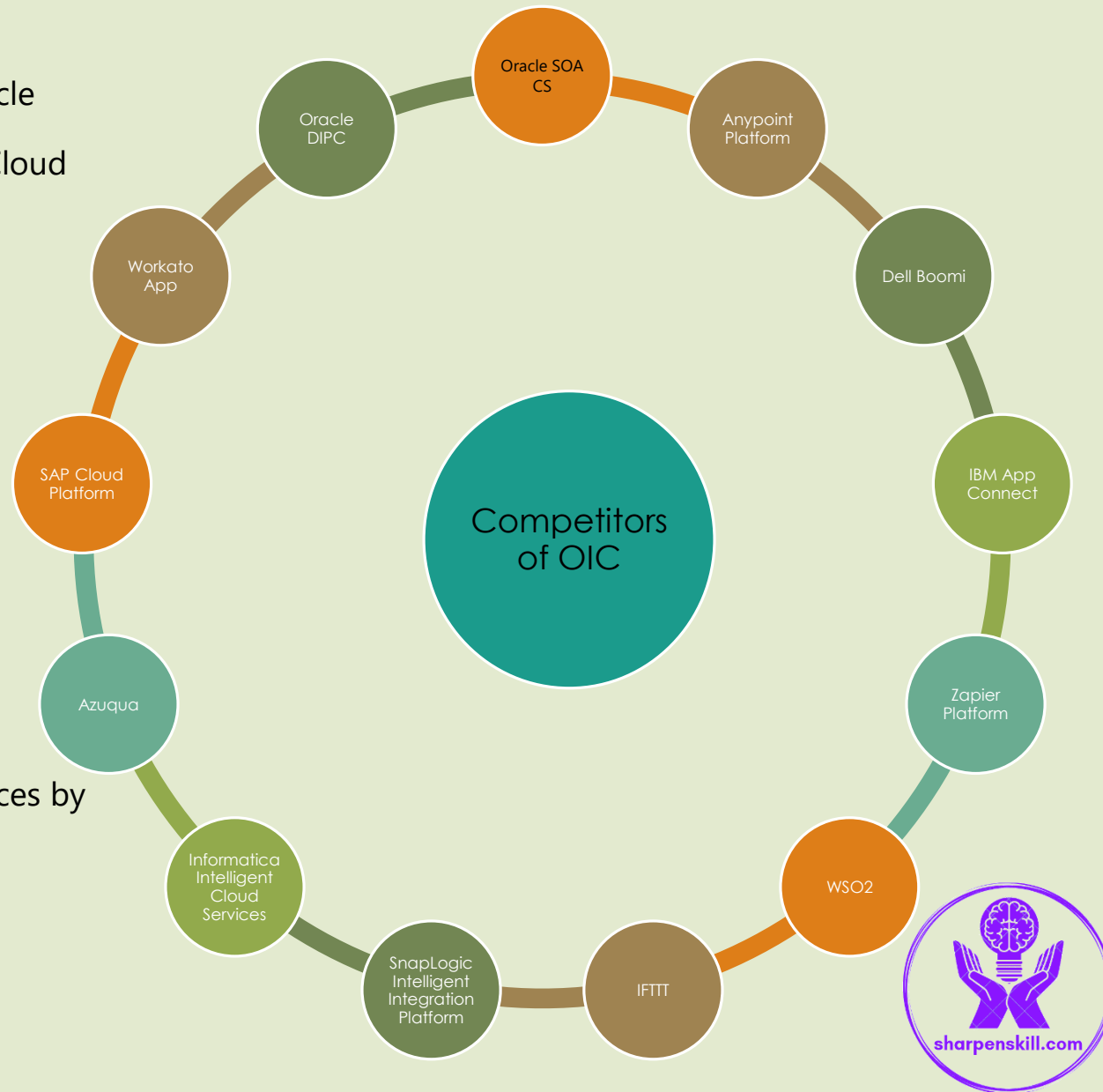
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Why OIC ?

- OIC has 70+ adapters connecting different platforms – Leading SaaS Service Providers, On-Premise Applications, Security Applications, Mail servers, Social Media Sites, Survey Sites etc.

- Goes well with all Oracle Fusion Applications Suite – ERP Cloud, HCM Cloud, Sales Cloud and with On-Premise Applications as well such as E-Business Suite, JD Edwards, Siebel etc.

- One software to integrate the cloud and on premise applications, automate business processes, gain insight into business processes, develop visual user interfaces which is rare in any other PaaS tool

- Entire Development is Declarative – low code with drag and drop feature

- Autonomous – maintained/ patched by Oracle. No need to think about Product Support and maintenance.

- Scalable and Agile – suitable for Enterprise level integrations.

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Pre Requisites ?

- Basics of Programming - must have

- Knowledge of Service Oriented Architecture (SOA) would be advantageous *

- Knowledge of XML Technologies like XML, XSD, XPATH, XSLT would be good to have *

- Familiar with few Fusion Data Objects e.g. Journals, Receipts, Suppliers etc. would be good to have **

* Note: We have a crash course of XML Technologies and Service Oriented Architecture (SOA) to equip you to learn OIC before we actually start developing OIC integrations. ☺

** To learn Fusion Technical in detail – refer my course **Oracle Fusion Technical with BPM Workflows, Oracle SOA & ADF** in **udemy.com**

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Integration Methods in Fusion

1. File Based Data Import (FBDI) – For Bulk Data Import

2. SOAP Web Services – For real time data import

3. REST API – For real time data import e.g. POST

4. File Based Loader (FBL) – Non FBDI based bulk Data Import
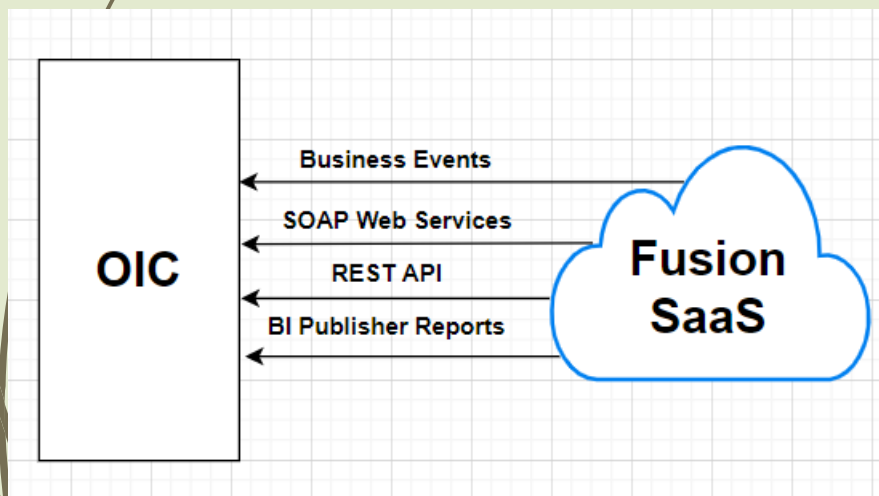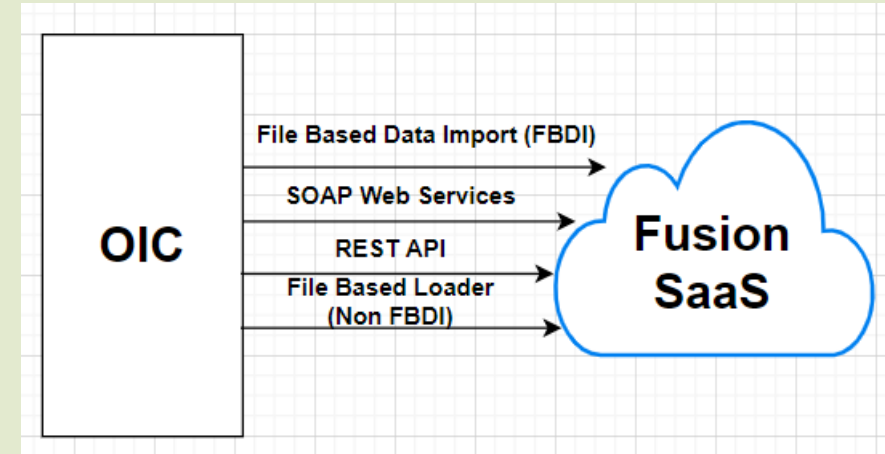
1. Business Events – Event Based Communication

2. SOAP Web Services – To get data in real time.

3. REST API – To get data in real time. e.g. GET

4. BI Publisher Reports – Invoke BI Reports in Fusion to get the data

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Use Cases

USE CASE ACTIVITIES	SESSIONS ASSOCIATED
Build SOAP Service and REST API using OIC 1. Build SOAP Service using SOAP Adapter 2. Build REST API using REST Adapter	1. Build HelloWorld SOAP Web Service with OIC 2. Build REST API with OIC
Import Journals 1. Build a Scheduled Orchestration to read File from a remote FTP directory using FTP Adapter and Import Journals using Oracle ERP Cloud Adapter and receive the callback and write the log in FTP directory of remote server. 2. Fetch Ledger ID, Data Access Set ID from Fusion through BI Report using SOAP Adapter and remove the hardcoded values from the Integration 3. Move all constants from Integration to Lookup so that Integration can be controlled by changing lookup values only without even editing the Integration 4. Handle Exception and log error messages to DB Table using Publish/ Subscribe integration	1. Inbound FBDI Based Integration to Fusion SaaS using Oracle ERP Cloud Connection 2. Outbound Integration from Fusion SaaS using SOAP Connection 3. Lookups in OIC 4. Exception Handling & Logging
Import Suppliers 1. Read Supplier csv file from On-Premise file system using File Adapter with the help of Connectivity Agent and import suppliers into Fusion using SOAP Service of Oracle ERP Cloud Adapter. Update the load status to DB	1. Integrate with On-Premise Systems via Connectivity Agent 2. Inbound Integration to Fusion SaaS using Oracle ERP Cloud Connection(SOAP)

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Use Cases

USE CASE ACTIVITIES		SESSIONS ASSOCIATED
Import & Fetch AR Receipts	1. Create REST Endpoint REST to receive receipt information and import receipt into Fusion using REST API of Oracle ERP Cloud Adapter and send imported receipt info to caller 2. Create a SOAP Endpoint to receive parameters and return Receipts from Fusion based on search criteria being passed.	1. Inbound Integration to Fusion SaaS using Oracle ERP Cloud Connection(REST) 2. Outbound Integration from Fusion SaaS using REST Connection
Export Payables Invoice	1. Create an Event Based configuration of Oracle ERP Cloud Adapter and subscribe to Payables Invoice creation event. As soon as the event triggers, the integration will receive the payables Invoice message and write to on-premise local file system	1. Outbound Integration(Business Event Based) from Fusion SaaS using Oracle ERP Cloud Connection
Insert Log/ Error Messages to DB using Publish/ Subscribe Integration	1. Create REST Endpoint to receive log or error messages and insert into DB	1. Publish & Subscribe in OIC

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Learning Path - Sequential

Getting Started with OIC → Service Oriented Architecture (SOA) Fundamentals → Get Familiarized with the Tool → Integration Styles in OIC → Build HelloWorld SOAP Web Service with OIC

Outbound Integration from Fusion SaaS using SOAP Connection ← Inbound Integration to Fusion SaaS using Oracle ERP Cloud Connection(SOAP) ← Integrate with On-Premise Systems via Connectivity Agent ← Inbound FBDI Based Integration to Fusion SaaS using Oracle ERP Cloud Connection ← Build REST API with OIC

Inbound Integration to Fusion SaaS using Oracle ERP Cloud Connection(REST) → Outbound Integration from Fusion SaaS using REST Connection → Lookups in OIC → Publish & Subscribe in OIC → Exception Handling & Logging

Prepare for OIC Interview ← Documentations in OIC ← Bonus Topics - OIC Pre-Sales ← OIC Admin ← Outbound Integration(Business Event Based) from Fusion SaaS using Oracle ERP Cloud Connection

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Learning Path – Use Case Based

Getting Started with OIC →	Service Oriented Architecture (SOA) Fundamentals →	Get Familiarized with the Tool →	Integration Styles in OIC →	Build HelloWorld SOAP Web Service with OIC

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Integrate with On-Premise Systems via Connectivity Agent ←	Lookups in OIC ←	Outbound Integration from Fusion SaaS using SOAP Connection ←	Inbound FBDI Based Integration to Fusion SaaS using Oracle ERP Cloud Connection ←	Build REST API with OIC

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Publish & Subscribe in OIC →	Exception Handling & Logging →	Inbound Integration to Fusion SaaS using Oracle ERP Cloud Connection(SOAP) →	Inbound Integration to Fusion SaaS using Oracle ERP Cloud Connection(REST) →	Outbound Integration from Fusion SaaS using REST Connection

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Prepare for OIC Interview ←	Documentations in OIC ←	Bonus Topics - OIC Pre-Sales ←	OIC Admin ←	Outbound Integration(Business Event Based) from Fusion SaaS using Oracle ERP Cloud Connection