



# Oracle Integration Overview - New Features & Capabilities

Industry leading capabilities for all integration challenges

# Oracle can help accelerate your automation journey



Connect Apps  
and Data

Modern data platform connectivity

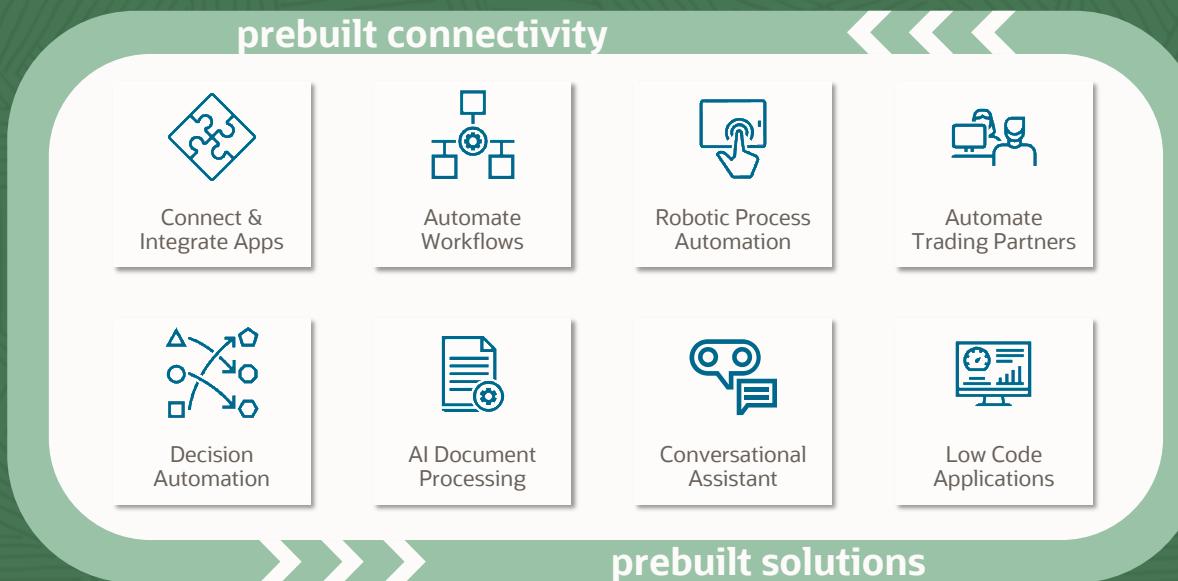
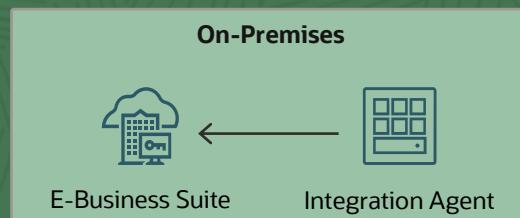
Automate  
Processes

Extend application business processes

Innovate  
with AI

AI enhanced automation

# Oracle Integration is your business automation platform



Data consistency  
across the enterprise



Foundation for data-  
driven innovation



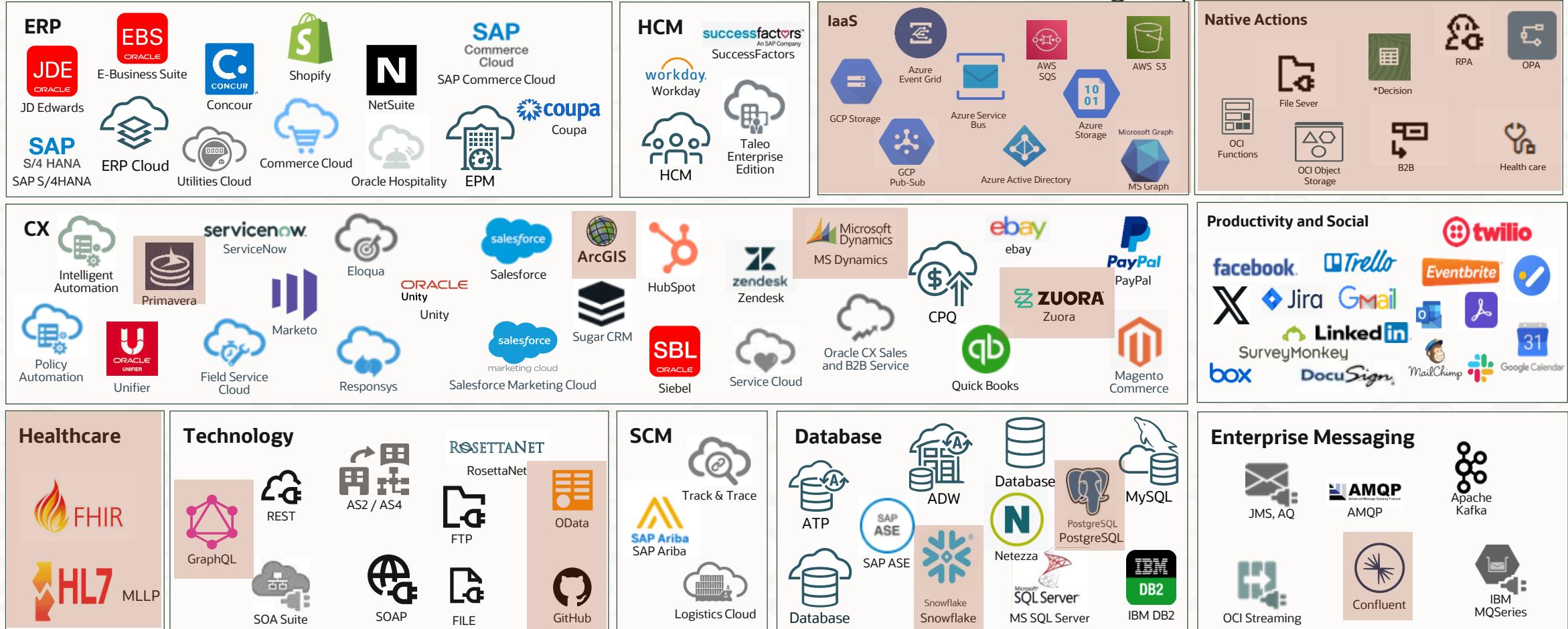
Increased productivity  
and reduced costs

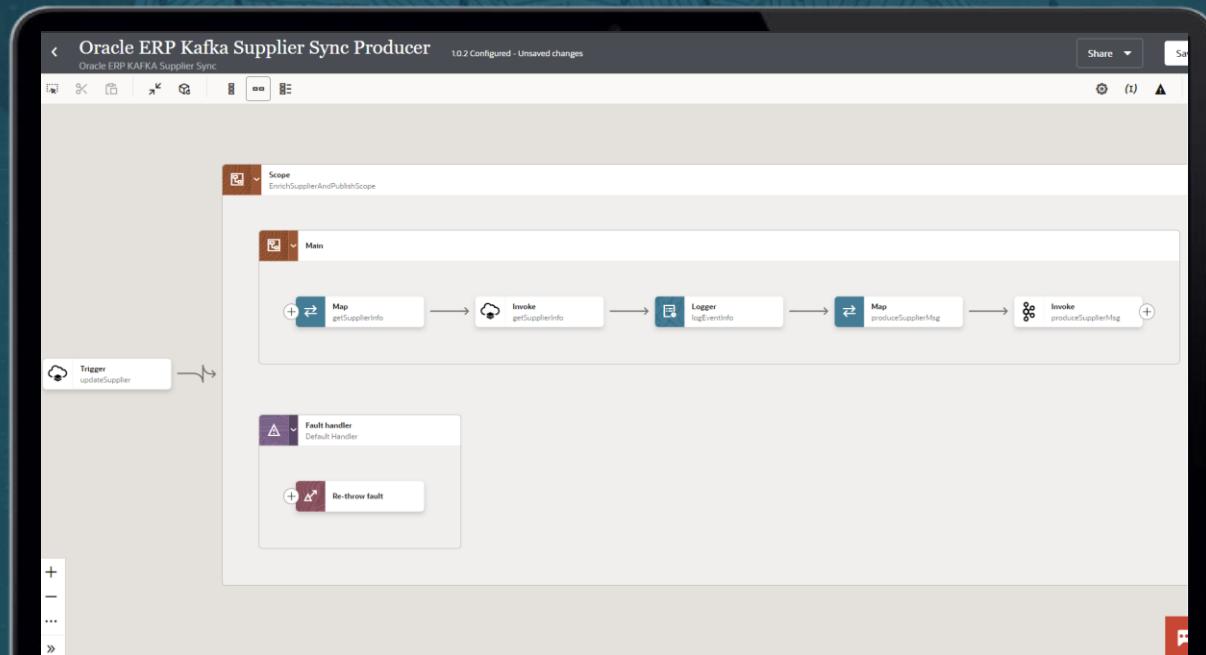


Engaging experiences  
that grow the business

# Oracle Integration – New Adapters

- **110+** Adapters
  - **20+** new adapters in OIC 3
  - **5+** new native actions in OIC 3
  - Plus a lot of new features announced in existing adapters

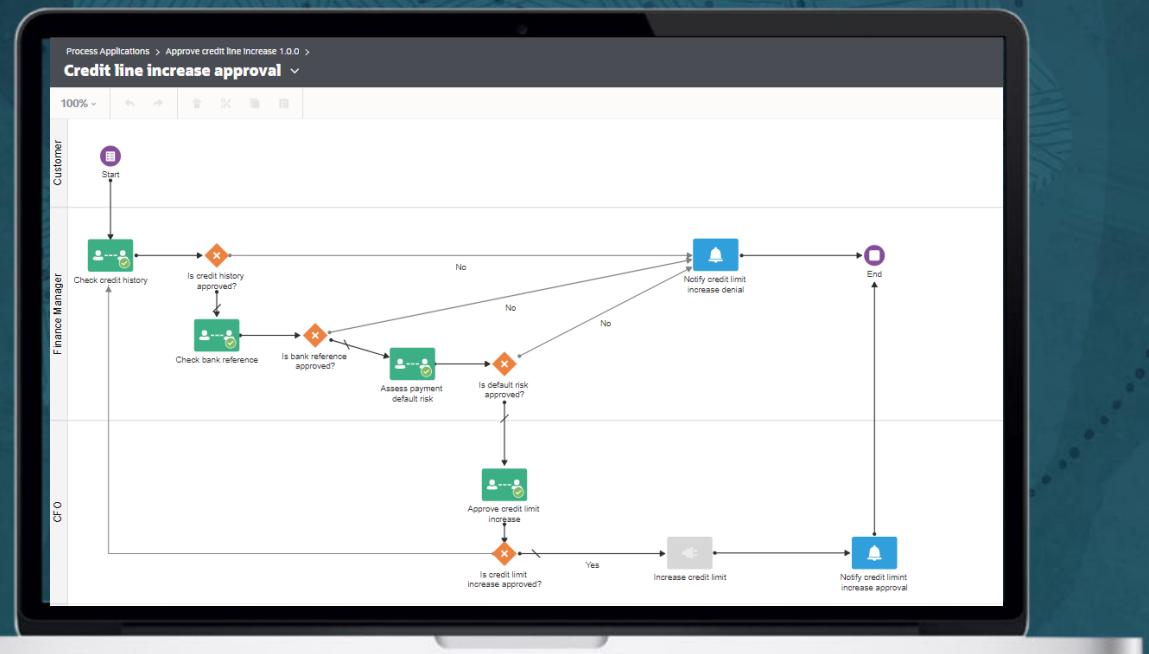




# Application Integration

## iPaaS to connect your applications, data, and services

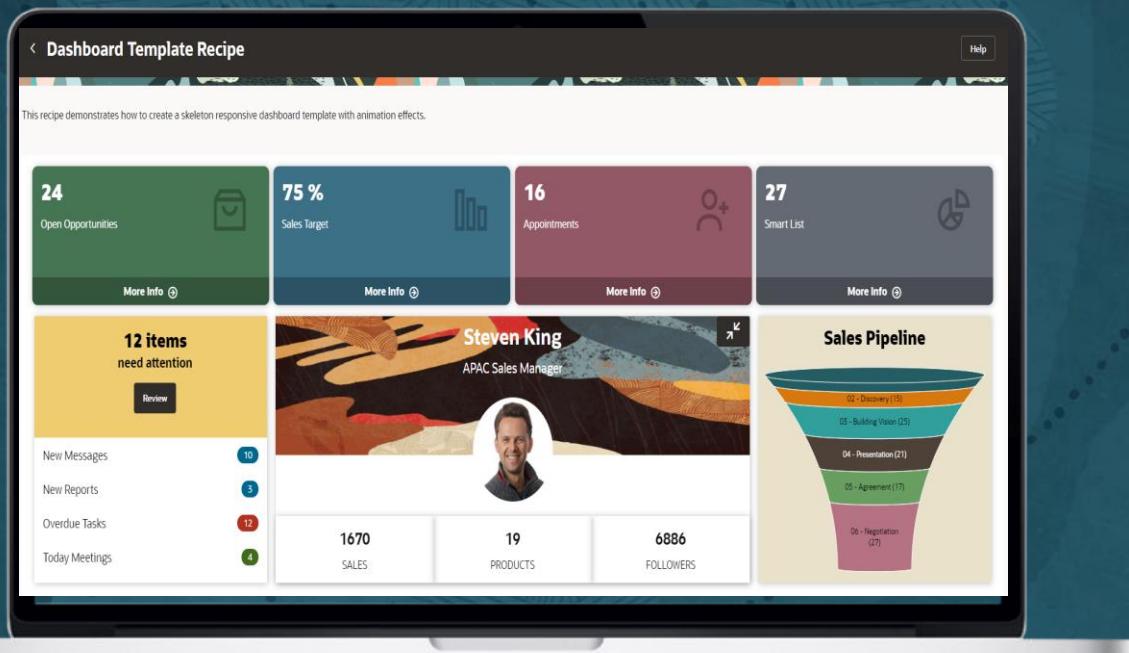
- Low code web visual designer
- Multiple orchestration patterns for integration including event based, scheduled, streaming, file
- Mapping, Transformation, Protocol Conversion and Routing
- Cut developer time with embedded AI recommendations
- >100 Prebuilt, intelligent, wizard-driven, enterprise adapters supported by Oracle
  - SaaS (Oracle & non-Oracle)
  - Cloud (Streams, Storage, Functions ...)
  - Databases, Queueing Systems
  - REST & SOAP
- Leverage prebuilt integration recipes and business accelerators
- Upgrade without headaches including extensive support for non-Oracle apps



## Process Automation

### No Code Workflow Designer

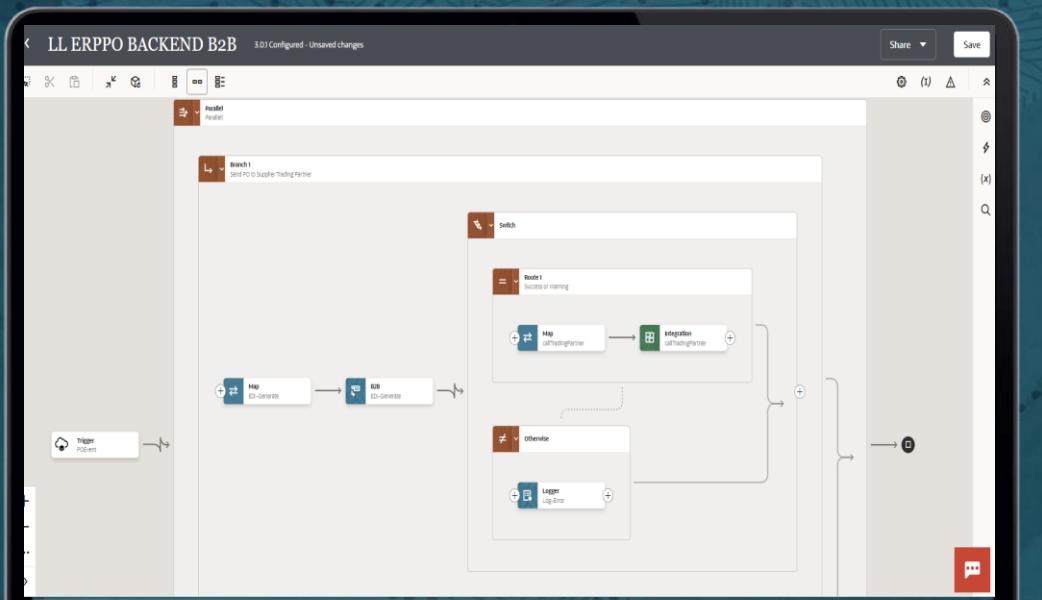
- Orchestrating human and digital actions for approvals that span systems of record
- Digitizing your end-to-end business processes faster using prebuilt templates
- Visually designing rules and embedding mobile forms to enable seamless UX
- Automating process steps by selecting prebuilt integrations from shared catalog
- Using human-in-the-loop RPA adapters to digitize legacy interfaces and workflows



## Visual Builder

### Connect Mobile & Web Apps in Minutes

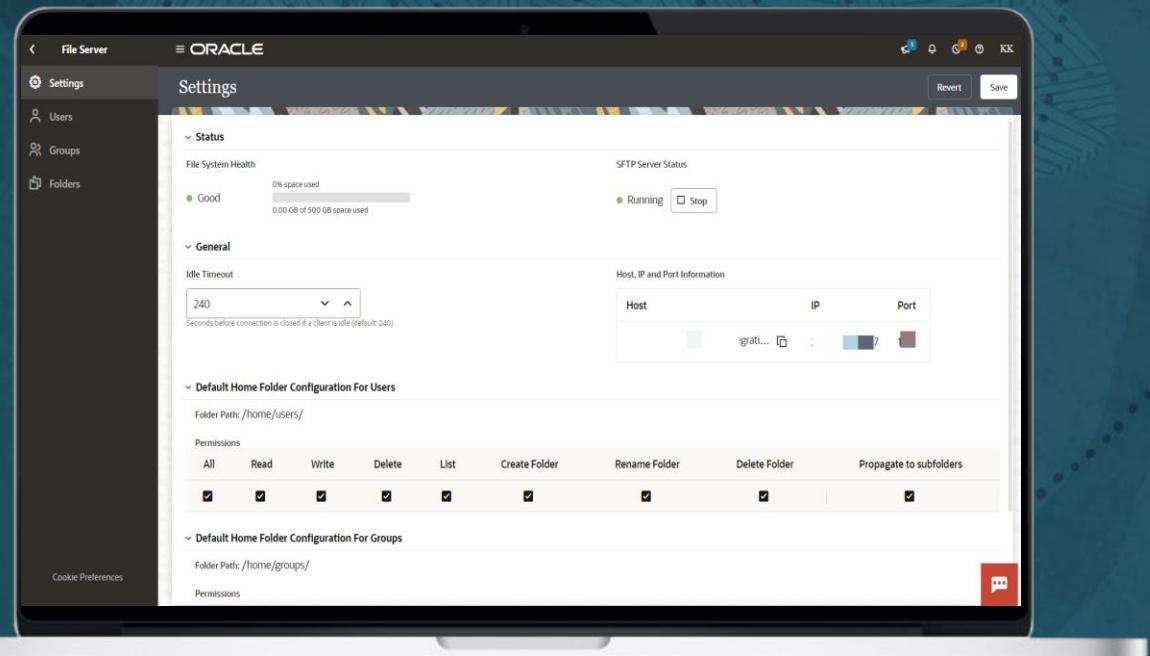
- **Discover** Oracle SaaS business objects
- **Surface and reuse** business processes
- **Build** with intuitive drag & drop model
- **Securely enrich** SaaS to fit your business needs
- **Extend** via JavaScript, REST, HTML, CSS
- **Automated DevOps** with source control, agile projects, and CI/CD pipelines



## B2B Integration

### Automating business partner interactions

- **Automate** electronic business document exchange (e.g. EDI X12 and UN/EDIFACT)
- **Secure** Transport via business protocols such as AS2 and FTP with external partners
- **Manage** B2B documents with schema editor for custom partner specifications
- **Onboard** Trading Partners without need for an integration specialist
- **Trading Partner Management** UI for defining trading relationships
- **Single dashboard** for tracking end-to-end B2B message flow and operational management



## Secure File Server

### No need to maintain external ftp servers

- **Inbox/Outbox** for your batch file processing
- **Drop-off** point to trigger B2B transactions
- **Configure sFTP** server settings, users, folders
- **Free 500 GB** file storage / service instance
- **Authenticate** with Password or Key
- **Design** integrations with prebuilt sFTP adapter
- **Granular access** for trading partners
- **Connect** via console, command line, REST API

# Demo

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# Integration Development

Create Project

Define Connections

Configure the integration trigger connection and one or more invoke connections.

Build Integration Flow Logic

Use the OIC Data Mapper to define payload for each invoked connection.

Map Data

Create/Activate Deployment

Manage errors

Track payload fields in messages at run time.

Observe Integrations

# Message Exchange Patterns

## Synchronous request/response

- Real-time response or error feedback
- Client blocks for the response

## Asynchronous request/callback

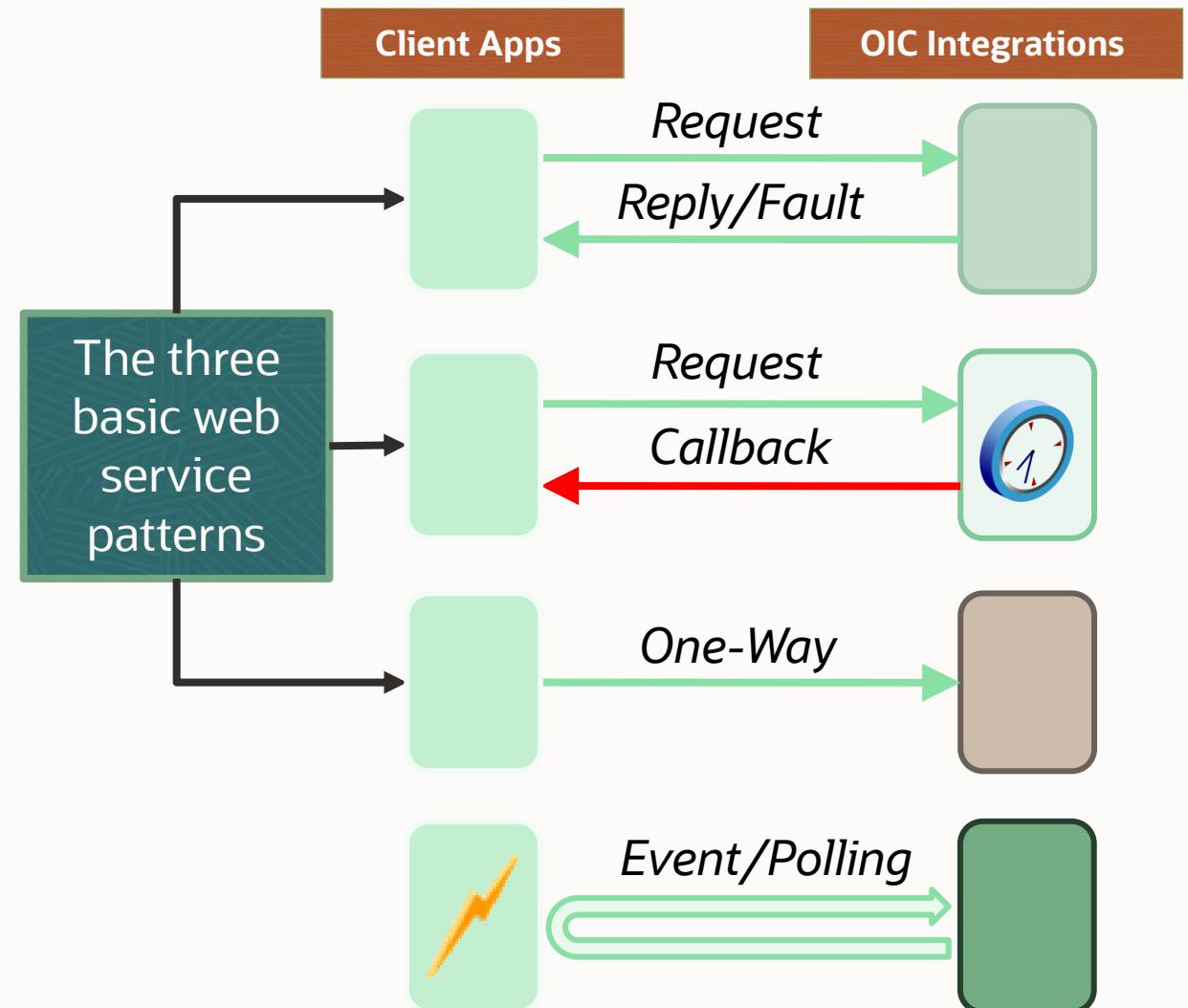
- Client free after submission and ACK
- Separate service invocation for response

## Asynchronous request (one-way)

- Also known as “fire and forget”
- No response message (ACK only)

## Event based

- Server receives a message-based event
- Usually implemented with polling

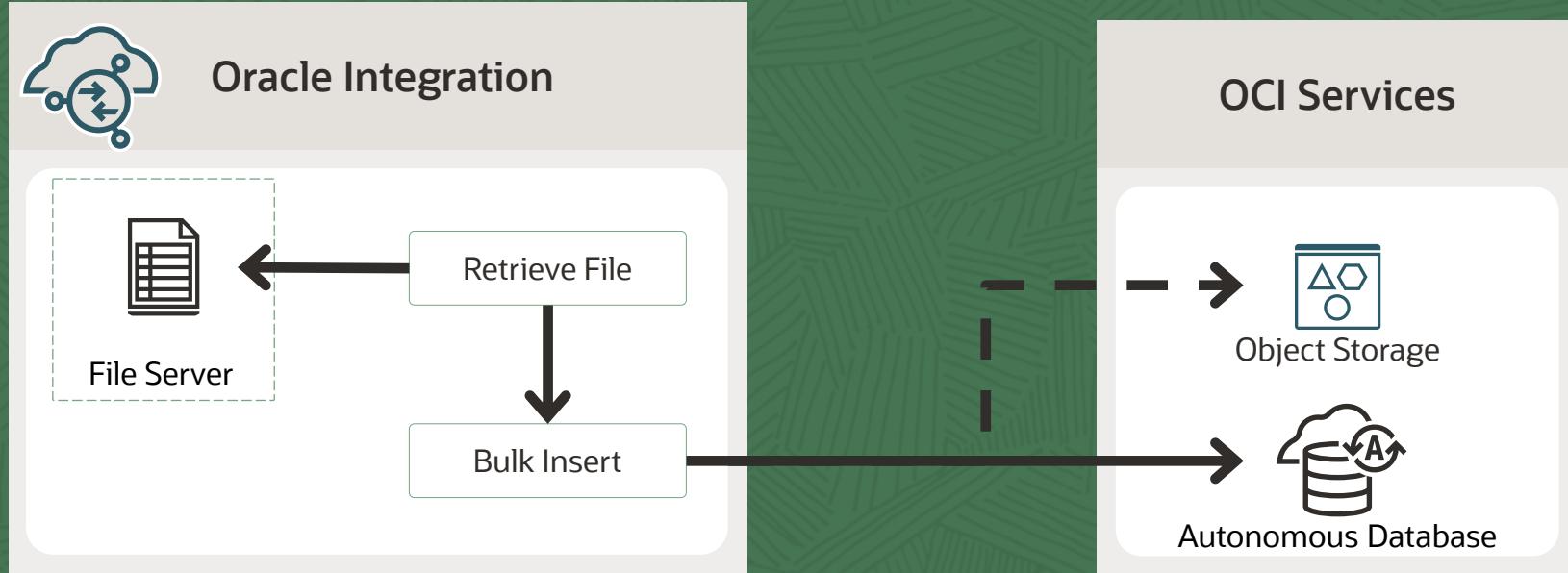


# Use Case

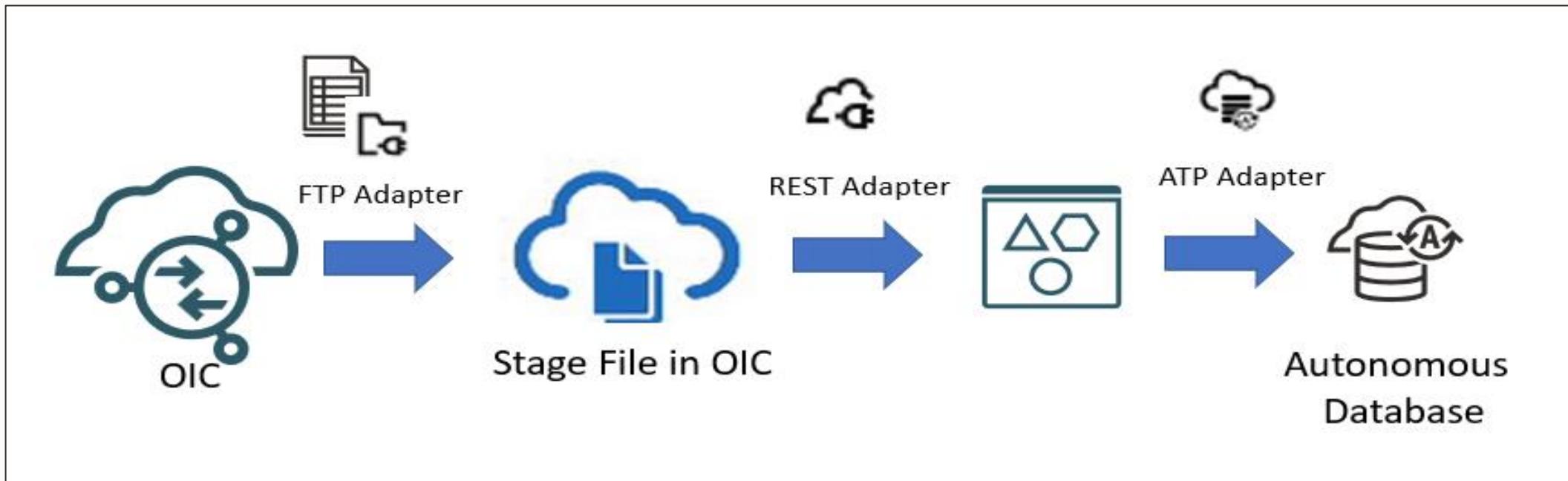
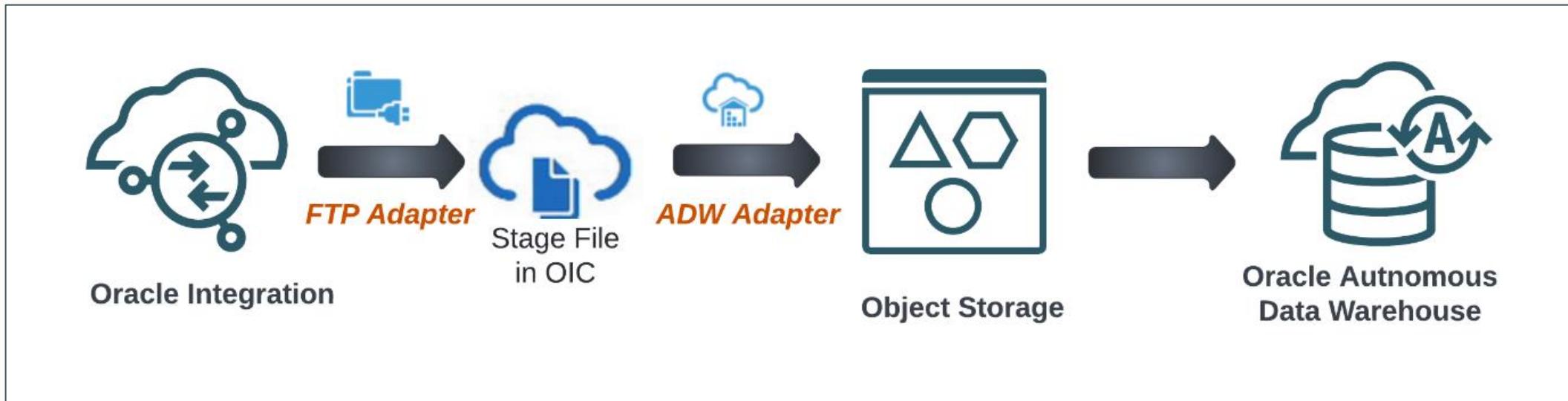
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Leverage Oracle Integration 3 (OIC3) to read a file from a File Server, transform the file, and use bulk load operation to load the data into an Oracle Autonomous Database

# Architecture



# Flexible Implementation for loading bulk data into ATP/ADW DB





# Oracle ATP/ADW Databases

The Oracle ATP & ADW Adapters enable you to execute SQL queries or stored procedures in Oracle ATP & Oracle ADW databases.

Start by selecting from one of the three following options on the **Basic Info** page:

- **Perform an Operation On a Table**
- **Invoke a Stored Procedure**
- **Run a SQL Statement**
- **Perform Bulk Data Import**

## Operations

**Basic Info**

Invoke a Stored Procedure  
Run a SQL Statement  
Operation On Table  
Summary

\* What do you want to call your endpoint?  
For example, GetListOfOpportunitiesForCustomer

What does this endpoint do?  
Describe the endpoint's purpose and detail

\* What operation do you want to perform?  
Select an operation type that meets your specific business requirements.

Invoke a Stored Procedure  
Invoke a Stored Procedure  
Run a SQL Statement  
**Perform an Operation On a Table**

# Invoke a Stored Procedure



Select the Schema, Package, and Procedure to execute.

\* What operation do you want to perform?  
Invoke a Stored Procedure

- Data mapping in your integration will provide the opportunity to pass any required parameters.*

**1** Select Schema, Package and Procedure  
Select the schema, package, and procedure for the Oracle adapter endpoint.

**2** Select Package

**3** Select Procedure

**4** Summary

**NOTE:** Any synchronous procedures that take over 4 minutes to execute will encounter a timeout in the OIC environment.

**Next Steps to be taken**

1. Please ensure stored procedure gets completed by 4 minutes, inorder to avoid time outs.
2. For use cases involving long running Stored Procedures,Please follow the steps 3 and 4.
3. Model a wrapper procedure as fire-and-forget.
4. Invoke the actual procedure from the wrapper.

Selected API: Stored Procedures  
Schema: SYS  
Procedure: TIMESTAMP\_TO\_SCN



# Run a SQL Statement



Provide a valid SQL statement.

\* What operation do you want to perform?  
Run a SQL Statement

- Data mapping in your integration will provide the opportunity to pass any required parameters.*

Basic Info

Invoke a Stored Procedure

Run a SQL Statement

Operation On Table

Summary

SQL Query

```
SELECT COUNTRY_ID, COUNTRY_ISO_CODE, COUNTRY_NAME, COUNTRY_TOTAL  
FROM SH.COUNTRIES WHERE COUNTRY_ID=&countryId
```

Validate SQL Query

Status Success!

**NOTE:** Any statements that take over 4 minutes to execute will encounter a timeout in the OIC environment.

Run a SQL Statement

Operation On Table

Summary

Schema File [InvokeDB.xsd](#)

Summary page provides a link to the generated XSD.

XSD Schema

```
<?xml version = '1.0' encoding = 'UTF-8'?>  
<x:schema targetNamespace="http://xmlns.oracle.com/cloud/adapter/atpdatabase/InvokeDB/types"  
xmlns="http://xmlns.oracle.com/cloud/adapter/atpdatabase/InvokeDB/types" elementFormDefault="qualified"  
attributeFormDefault="qualified" xmlns:xs="http://www.w3.org/2001/XMLSchema">  
  <x:element name="InvokeDBInput" type="InvokeDBInput"/>  
  <x:complexType name="InvokeDBInput">  
    <x:sequence/>  
  </x:complexType>  
  <x:element name="InvokeDBOutputCollection" type="InvokeDBOutputCollection"/>  
  <x:complexType name="InvokeDBOutputCollection">  
    <x:sequence>  
      <x:element name="InvokeDBOutput" type="InvokeDBOutput" minOccurs="0" maxOccurs="unbounded"/>  
    </x:sequence>  
  </x:complexType>  
  <x:complexType name="InvokeDBOutput">  
    <x:sequence>  
      <x:element name="COUNTRY_ID" type="xs:string" nullable="true"/>  
      <x:element name="COUNTRY_ISO_CODE" type="xs:string" nullable="true"/>  
      <x:element name="COUNTRY_NAME" type="xs:string" nullable="true"/>  
      <x:element name="COUNTRY_TOTAL" type="xs:string" nullable="true"/>  
    </x:sequence>  
  </x:complexType>  
</x:schema>
```





# Perform an Operation On a Table

1. Select the desired operation on the **Basic Info** page.

On the **Operation On Table** page:

2. Select the Schema to use
3. Select the Table Type
4. Optionally filter for a table name and then click **Search**
5. Select one or more tables and then click **Import Tables**

The screenshot shows the 'Operation On Table' page with the 'Basic Info' tab selected. Other tabs include 'Invoke a Stored Procedure', 'Run a SQL Statement' (marked with a red box labeled '2'), 'Operation On Table' (selected), and 'Summary'. The main area is titled 'Search tables to import' and contains fields for 'Schema' (set to 'SH') and 'Table Type' (set to 'TABLE'). A dropdown menu for 'Table Type' lists options: ALL, MATERIALIZED VIEW, MATERIALIZED VIEW LOG, SYNONYM, TABLE (selected), and VIEW. Below these fields is a 'Table Name' input field with placeholder text 'Optional. e.g. EMPLOYEE or %EMP%' and a 'Search' button.

The screenshot shows the 'Operation On Table' page with the 'Select' operation selected. The main area has two sections: 'What operation do you want to perform?' (set to 'Perform an Operation On a Table') and 'What operation do you want to perform on Table?'. Under the second section, the 'Select' radio button is selected (marked with a red box labeled '1'). Other options include 'Insert', 'Update', and 'Insert or Update (Merge)'.

The screenshot shows the 'Operation On Table' page with the 'Import Tables' step. It includes fields for 'Schema' (set to 'SH') and 'Table Type' (set to 'TABLE'). A 'Table Name' input field is present with placeholder text 'Optional. e.g. EMPLOYEE or %EMP%'. A 'Search' button is next to it. Below these are 'Filter By' and 'Available' sections. The 'Available' section lists several tables: CHANNELS, COSTS, CUSTOMERS, PRODUCTS, PROMOTIONS, SALES, SUPPLEMENTAL, and DYNAMIC GRAPHICS. To the right, a 'Selected' section contains the table 'COUNTRIES'. Navigation buttons (">>, >>, < <<) are between the available and selected lists. At the bottom is an 'Import Tables' button (marked with a red box labeled '5').



# Additional Editing Options

Select the parent database table

You must select the parent database table. If you are using multiple related tables, then this is the highest-level table (or top-level parent table) in the relationship tree. You can either add more tables or remove the ones that are no longer used.

--- select one ---

COUNTRIES

Add || Remove Tables

Review and manage parent database table relationships [Edit](#)

You can review and manage all the relationships that are reachable from parent table. Relationship created via Adapter wizard are used by Adapter internally and doesn't have any impact on the database.

Review and filter columns from selected database tables [Edit](#)

Use the Columns Filtering section to review and verify the columns in the object model created from the selected tables and defined relationships. Deselect columns that you want to exclude from the database query.

Advanced Options [Edit](#)

Review and update advanced options

**Add/remove tables and select the parent**

**Define all table relationships**

**For Insert & Merge operations, select sequencing options**

Select the columns

View ▾

COUNTRIES

countryId (NOT NULL)  
 countryIsoCode (NOT NULL)  
 countryName (NOT NULL)  
 countrySubregion (NOT NULL)  
 countrySubregionId (NOT NULL)  
 countryRegion (NOT NULL)  
 countryRegionId (NOT NULL)  
 countryTotal (NOT NULL)  
 countryTotalId (NOT NULL)  
 countryNameHist

Deselect any attributes to exclude from a query

Review and edit SQL Query [Edit](#)

Use the SQL Query section to specify the selection criteria. You can add additional criteria's using Graphical Expression Builder or can define custom SQL select criteria using SQL Edit.

**For Select queries, edit further...**

# SQL Editor and Expression Builder



SQL Edit | Edit using Expression Builder

Maximum Number of Records to be fetched:

Limit the max  
# of records

SQL Query

```
SELECT COUNTRY_ID, COUNTRY_ISO_CODE, COUNTRY_NAME,  
COUNTRY_TOTAL FROM SH.COUNTRIES WHERE  
COUNTRY_ID=&countryId
```

Parameters  
countryId

SQL Edit Tool

Query Criteria Add New

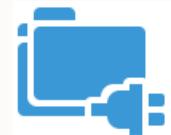
```
SELECT COUNTRY_ID, COUNTRY_ISO_CODE, COUNTRY_NAME, COUNTRY_TOTAL FROM  
SH.COUNTRIES WHERE COUNTRY_ID = #countryId
```

SQL Expression  
Builder Tool

Expression

First Argument	Operator	Second Argument
countryId	Edit	<input checked="" type="radio"/> EQUAL
		<input type="radio"/> NOT EQUAL
		<input type="radio"/> EQUALS IGNORE CASE
		<input type="radio"/> GREATER THAN
		<input type="radio"/> GREATER THAN EQUAL
		<input type="radio"/> LESS THAN
		<input type="radio"/> LESS THAN EQUAL
		<input type="radio"/> LIKE
		<input type="radio"/> NOT LIKE
		<input type="radio"/> LIKE IGNORE CASE
		<input type="radio"/> IS NULL
		<input type="radio"/> NOT NULL

Literal  
Parameter  
Query Key  
countryId



# FTP Adapter Connections

The FTP Adapter enables the integration of the File Transfer Protocol (FTP) and the Secure Shell (SSH) File Transfer Protocol (sFTP) into OIC.

Using the FTP Adapter, OIC can retrieve files for processing or can upload files and messages to a directory on a remote FTP server.

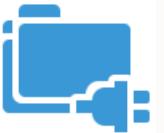
Start by selecting from one of six operations on the **Operations** page:

- **Read a File**
- **Write File**
- **List Files**
- **Move a File**
- **Delete a File**
- **Download File**

Subsequent configuration wizard options will vary based on chosen operation.

Configure the Operation Parameters for the Target FTP Endpoint  
Select the operation to perform and define the parameters required for target FTP endpoint.

The screenshot shows the 'Operations' configuration page. At the top, there's a large orange icon of a document with a graduation cap. Below it, a sidebar has tabs: 'Basic Info' (with a green checkmark), 'Operations' (which is selected and highlighted in blue), 'Schema', 'File Contents - Definition', and 'Summary'. To the right of the sidebar, there are input fields for 'Select Operation' (containing 'Read a File') and 'Select a Transfer Mode'. Below these are 'Input Directory' and 'File Name' fields. A dropdown menu is open under 'Select Operation', showing options: 'Read a File' (selected and highlighted in blue), 'Write File', 'List Files', 'Move a File', 'Delete a File', and 'Download File'. The 'Read a File' option is also highlighted in blue in the dropdown list. At the bottom of the dropdown menu, there's a file path 'cle/input' and a file name 'ple.txt'.



# Download File

Download a file from the target FTP server to the local VFS in order to be processed by the integration.

File sizes up to 1 GB

* Select Operation	Download File ▾	<b>ASCII:</b> Transfers special control characters for data formatting <b>Binary:</b> Transfers raw bytes of file data
* Select a Transfer Mode	<input type="radio"/> ASCII <input checked="" type="radio"/> Binary	Directory and/or file name can be passed dynamically at run time with the data mapper.
Input Directory	/default/directory_path	
File Name	default_filename	
* Download Directory	/vfs_directory_to_use	Requires PPK-pair configuration for this FTP Connection
<input checked="" type="checkbox"/> Perform unzip on compressed file downloaded from external FTP server		
<input checked="" type="checkbox"/> Retain the zip directory structure		
<input type="checkbox"/> Perform PGP Decryption on an encrypted file downloaded from external FTP server		
<input type="checkbox"/> Perform verification on the signed file downloaded from external FTP server		



## Delete a File



Delete a file in the target FTP server.

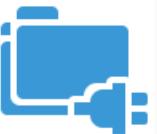
\* Select Operation      Delete a File ▾

Directory Path      /default/directory\_path

File Name      default\_filename

Directory and/or file name can be passed dynamically at run time with the data mapper.

# Move a File



Move a file from one location to another in the target FTP server.

* Select Operation	Move a File ▾	Directory paths and/or file names can be passed dynamically at run time with the data mapper.
Directory Path	/default/directory_path	
File Name	default_filename	
Target Directory Path	/default/target/directory_path	
Target File Name	default_target_filename	
<input type="checkbox"/> Overwrite File	Select to allow target file to be overwritten.	

# List Files



Returns a list of file names in the specified directory of the target FTP server.

* Select Operation	List Files	
* Input Directory	/default/directory_path	
* File Name Pattern	For example, *.txt	
* Max Files	100	
?	* Minimum Age	5 seconds
<input type="checkbox"/> List Files Recursively		

Directory path and/or file name pattern can be passed dynamically at run time with the data mapper.

No more than 1000 (also, see notes)

Comparing current time to file timestamp

Check to list subdirectory files recursively

# Write File



Write a file to the output directory of the target FTP server.

\* Select Operation      Write File ▾

\* Select a Transfer Mode       ASCII  Binary

\* Output Directory      /default/directory\_path

? \* File Name Pattern      Oracle%SEQ%File.txt

Append to Existing File

\* PGP Encryption / Decryption

OIC can do PGP Encryption using public key on the file to be sent to external FTP servers for protecting sensitive data and to preserve confidentiality and privacy. Similarly, OIC can do PGP Decryption using private key on the incoming file to decrypt the encrypted contents.

Perform PGP Encryption on the file to be sent to external FTP Server

Perform PGP Decryption on an encrypted file to be sent to external FTP Server as clear text

No PGP Encryption/Decryption on the file to be sent to external FTP Server

\* Sign / Verify Signature

OIC can do the signing using the private key to allow the receiver to verify that the file contents were not altered during the transit. Similarly, OIC can do Signature Verification using the public key on the incoming file to verify that the contents were not altered during the transit.

Perform signing on the file to be sent to external FTP Servers

Perform verification on the incoming signing file that needs to be sent to external FTP Server

No Signing/Verification on the file to be sent to external FTP Server.

**ASCII:** Transfers special control characters for data formatting  
**Binary:** Transfers raw bytes of file data

Directory and/or file name pattern can be passed dynamically at run time with the data mapper.

If selected, contents will be appending rather than overwriting the file.

Requires PPK-pair configuration for this FTP Connection

Structured file sizes up to 1GB

Opaque file sizes up to 1 GB

# Read a File



Read a file from the specified directory in the target FTP server.

## \* Select Operation

Read a File ▾

**ASCII:** Transfers special control characters for data formatting

**Binary:** Transfers raw bytes of file data

## \* Select a Transfer Mode

ASCII  Binary

Input Directory

/default/directory\_path

Directory and/or file name can be passed dynamically at run time with the data mapper

File Name

default\_filename

Structured file sizes up to 10MB

Opaque file sizes up to 1 GB

# New Features in Oracle Integration 3

- Support for Private Endpoint
- Oracle Managed custom endpoints
- OIC Projects
- Events Framework
- Extended Data Retention
- Large Payload support - up to 100 MB
- Native Actions for OCI Services
- Fusion Application Monitoring
- Rapid Adapter Builder
- New Adapters and Accelerators
- New Healthcare Edition in OIC
- Oracle Managed Disaster Recovery
- Robotic Process Automation

# Projects

All Related Resources in One Place – one stop shop

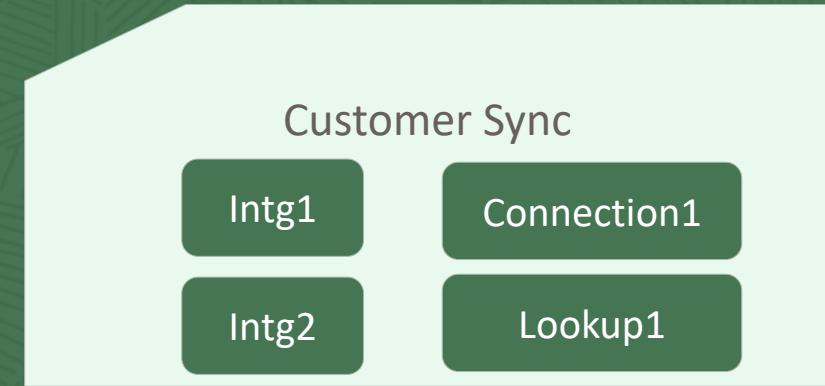
- Simplified Navigation
- Faster Context Switching
- Elevated Configuration

Testing & Observability in Same Place

- Simplified Testing
- Simplified Monitoring
- Focused observability

Deployment

- Project supports deployment as a project



# Projects - Design

Invoice Processing

Design Deploy Observe

Integration

Integrations

→  Subscribe To Invoice Event For ERP	1.0.0	Active	...
→  Subscribe To Invoice Event For ATP	1.0.0	Active	...
→  Publish Invoice Event	1.0.0	Active	...

+ View all 3 integration(s)

Connections

erp ERP Cloud	Invoke	Configured	...
atpdatabase AI Demo ATP DB Connection	Trigger and invoke	Configured	...
rest OIC REST Connection	Trigger and invoke	Configured	...

+ View all 3 connection(s)

Add

Lookups

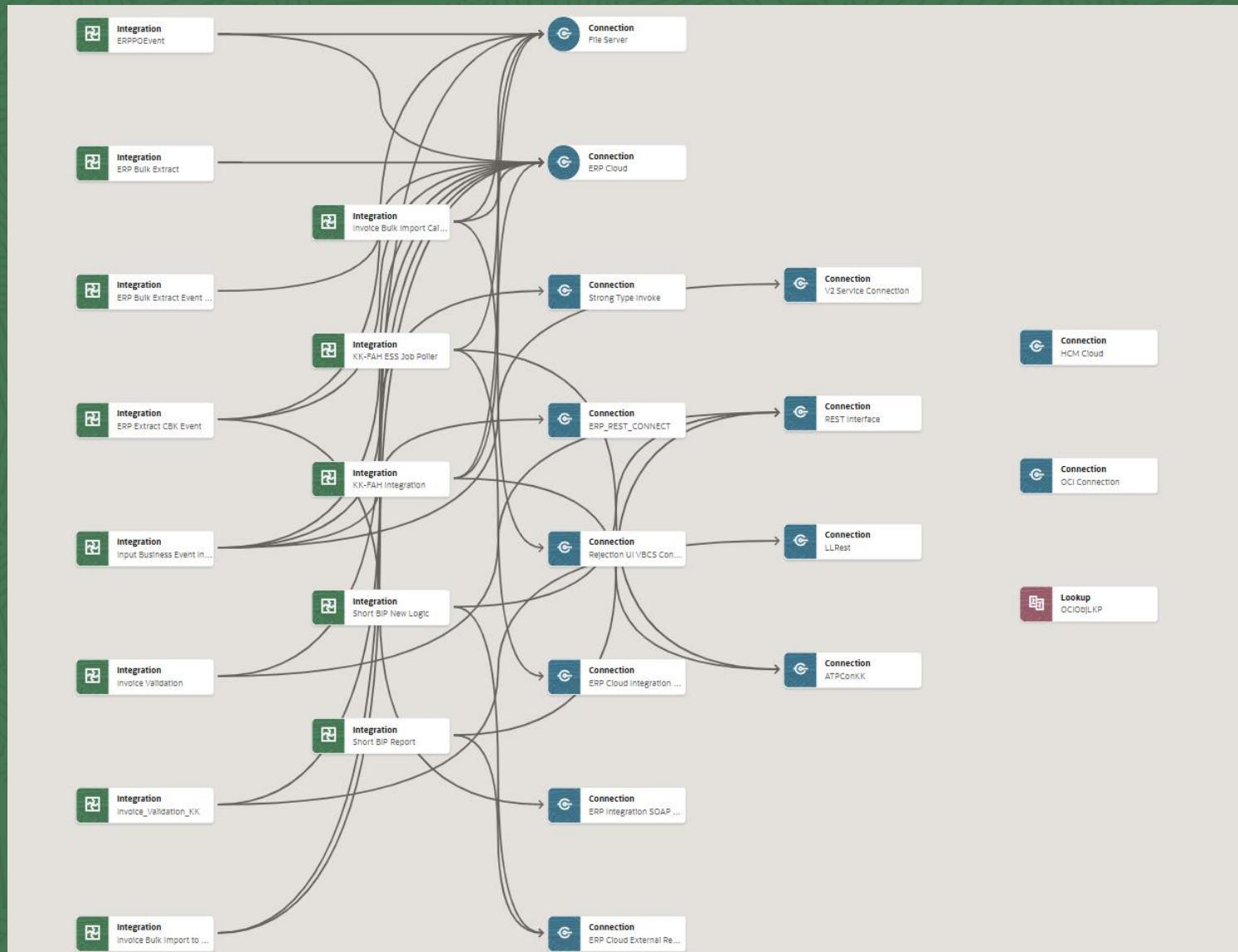
Map values between applications.

Add

Libraries

Use JavaScript functions and libraries in your integrations.

# Project - Dependencies



## Project ERP Cloud Integration Demo

- Integration ERPPOEvent has following dependencies
  - Connection
    - File Server
    - ERP Cloud
- Integration ERP Bulk Extract has following dependencies
  - Connection
    - ERP Cloud
- Integration ERP Bulk Extract Event Trigger has following dependencies
  - Connection
    - ERP Cloud
- Integration ERP Extract CBK Event has following dependencies
  - Connection
    - File Server
    - ERP Cloud
    - ERP Integration SOAP Conn
- Integration Input Business Event Integration has following dependencies
  - Connection
    - ERP Cloud
    - Strong Type Invoke
    - ERP\_REST\_CONNECT
    - V2 Service Connection
    - ...
- Integration Invoice Validation has following dependencies
  - Connection
    - ERP Cloud

# Projects - Deploy

< Deploy-Label-1 ... Save

Identifier DEPLOY\_LABEL\_1 Selected integrations 3 of 3 Selected robots

### Choose integrations

<input checked="" type="checkbox"/>  Publish Invoice Event PUBLISH_INVOICE_EVENT	▼ 1.0.0 Latest version	Active
<input checked="" type="checkbox"/>  Subscribe To Invoice Event For ATP SUBSC_TO_INVOI_EVENT_FOR_ATP	▼ 1.0.0 Latest version	Active
<input checked="" type="checkbox"/>  Subscribe To Invoice Event For ERP SUBSC_TO_INVOI_EVENT_FOR_ERP	▼ 1.0.0 Latest version	Configured

# Projects - Observe

DesignDeployObserve

InstancesFuture runsAudit

Q 🔎Time window From 2023-01-01T00:00:00 To 2023-03-29T00:00:00 XDisplay instances All X Clear

Primary identifier	Instance Id	Business Identifiers	Status	Duration
Purged instance Oracle Adobe Salesforce eSig...   1.0.0	h2ot7bg6Ee2YHKG...		Succeeded	Submitted Succeeded Duration Mar 1st, 2023 07:38 PM IST Mar 1st, 2023 07:38 PM IST
Purged instance Oracle Adobe Salesforce eSig...   1.0.0	iuc14rgxEe2J1SeaN...		Succeeded	Submitted Succeeded Duration Mar 1st, 2023 06:34 PM IST Mar 1st, 2023 06:34 PM IST
Purged instance Oracle Adobe Salesforce eSig...   1.0.0	Bka2oLgtEe2J1Sea...		Succeeded	Submitted Succeeded Duration Mar 1st, 2023 06:01 PM IST Mar 1st, 2023 06:01 PM IST
Purged instance Oracle Adobe Salesforce eSig...   1.0.0	vzxyCLgqEe2YHKG...		Succeeded	Submitted Succeeded Duration Mar 1st, 2023 05:45 PM IST Mar 1st, 2023 05:45 PM IST

41.2%58.8%

SucceededIn progressBlockedErrorredQueuedResubmittedAbortedPaused

# Projects - Resource Based Access Control

Invoice Processing

Design Deploy Observe

### Integration

Integrations

- Subscribe To Invoice Event For ERP
- Subscribe To Invoice Event For ATP
- Publish Invoice Event

+ View all 3 integration(s)

Add

### Lookups

Map values between applications.

### Connections

- erp ERP Cloud
- atpdatabase AI Demo ATP DB Connection
- rest OIC REST Connection

+ View all 3 connection(s)

### Libraries

Use JavaScript functions and libraries in your integrations.

Share

Invoice Processing

Owners: Kishore Katta

Can edit: stanislav tanev, Nathan Angstadt

Can view: Subhani Italapuram

Can monitor: Ravi Chablani

Cancel Share

# Events

- Event Subsystem
- Event Definition
  - From JSON Sample / Schema
  - From Existing Response
- Publish Action on Palette
- Event Driven App Orchestration
  - New Integration type
  - Trigger Type selects Event Subscription
- Event Control Panel to Manage Events

# Publish & Subscribe Events

Events

Name  
Sample

Supplier

Order

Upload JSON sample  
Select a file or drop one here

Cancel Save

1. New Menu to Create Events



2. New Action in Integrations to Publish Event

Create integration

Choose how to start

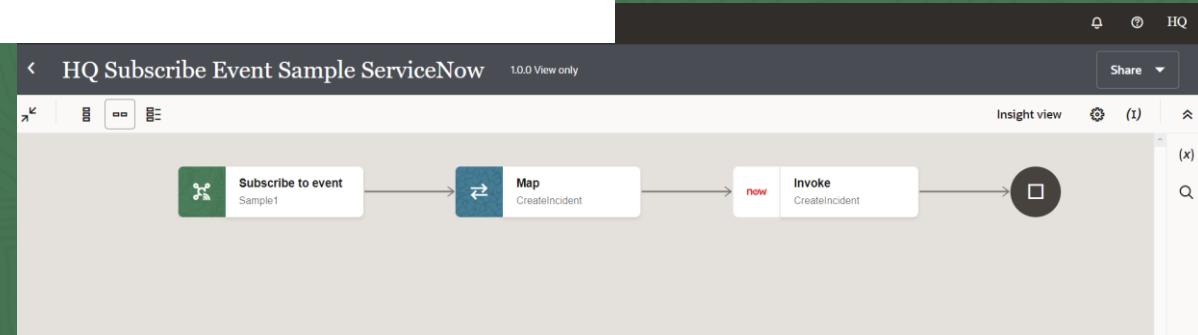
Oracle recommends creating integrations in a project for better manageability and easier observability.

Application

Schedule

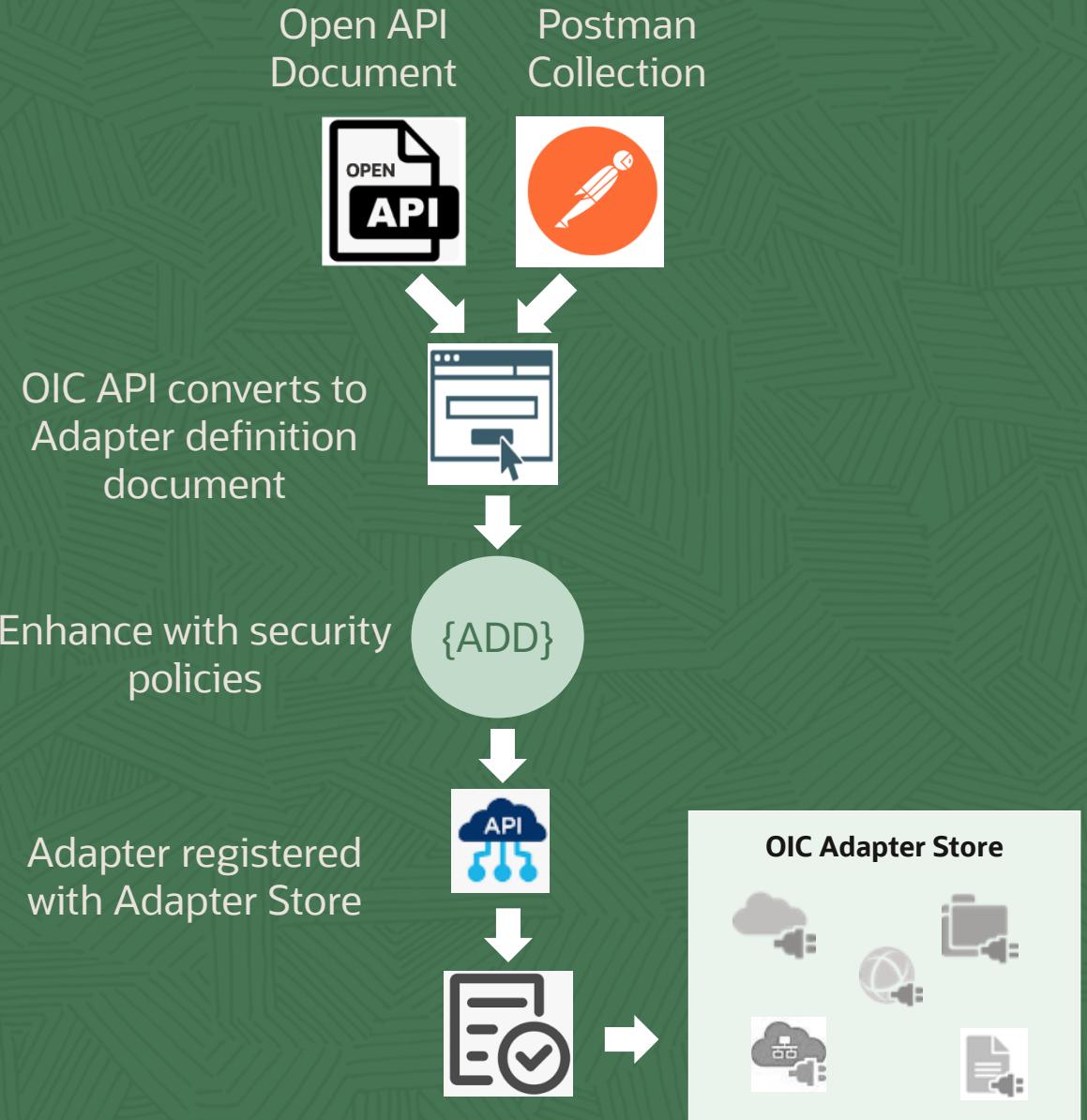
Event

3. New Integration Pattern to Subscribe Events

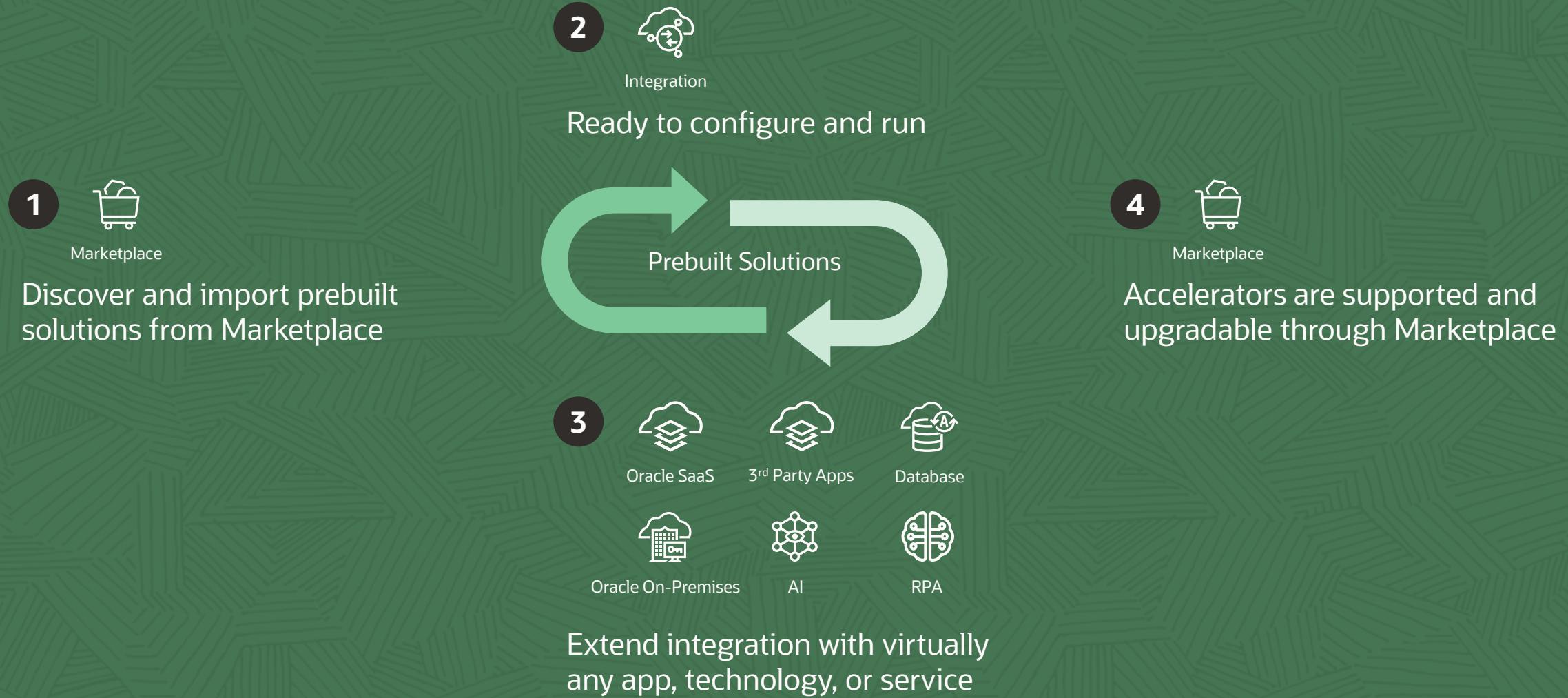


# Rapid Adapter Builder (RAB)

- Codeless Adapter development
- Generated Adapter from Postman Collection or API Spec
- Read API Spec and auto generate Adapter
- Enhance with custom security policies
- Directly upload to adapter store or to integration store for partner
- Usage, adoption and billing automatically metered



# Prebuilt Integration Solutions supported by Oracle



# Oracle Integration Prebuilt Solutions

Prebuilt solutions for Oracle and third-party applications

91

ERP  
Connectivity

105

CX  
Connectivity

41

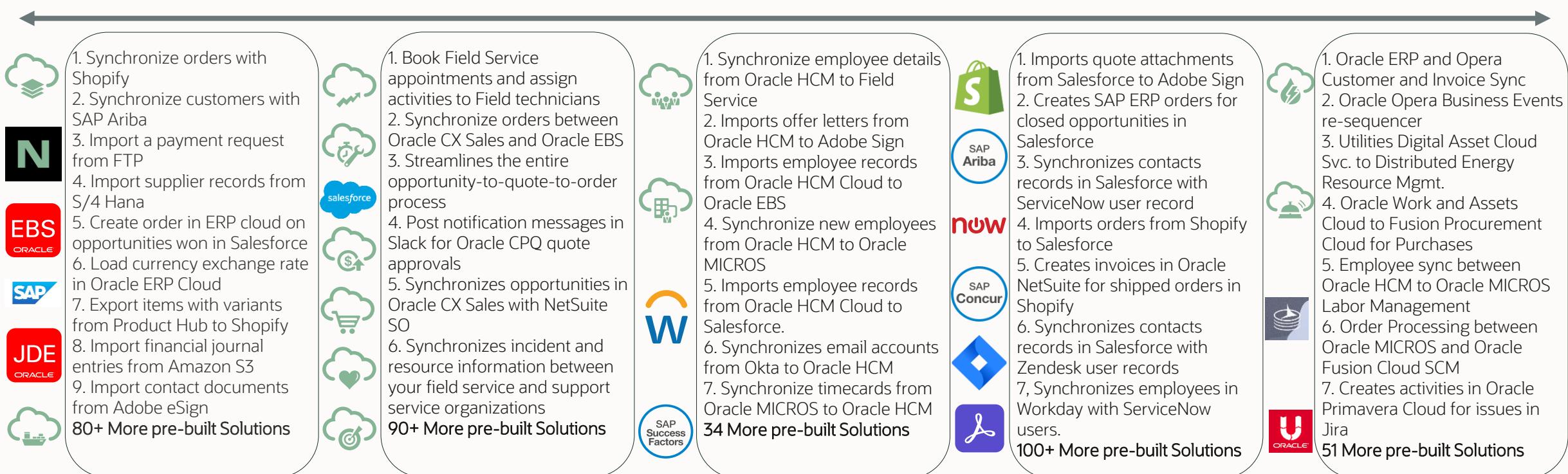
HCM Connectivity

124

Third-Party Connectivity

58

Industries Applications



# Accelerators

Integration store

Type Business accelerator Built by Oracle Clear

12 items

Accelerator by Oracle  
**Oracle Integration — REST | Send Alert Notifications**

Sends an alert notification whenever an integration error or failure occurs.

[Get](#) v 01.01.0005

Accelerator by Oracle  
**Oracle CX Service — Oracle Field Service | Sync Service Work Orders and Activities**

Synchronizes Oracle CX Service work orders with Oracle Field Service activities.

[Get](#) v 24.01.0000

Accelerator by Oracle  
**Oracle CPQ — Oracle Order Management | Manage Quotes, Orders, and Subscriptions**

Manages quotes, orders, and subscriptions between Oracle CPQ and Oracle Order and Subscription Management. This is a bi-directional...

[Get](#) v 24.10.0001

Accelerator by Oracle  
**Oracle HCM Cloud - Oracle Field Service | Import Employee Details**

Imports employee details including their work availability and skills from Oracle HCM Cloud to Oracle Field Service.

[Get](#) v 03.00.0000

Accelerator by Oracle  
**Oracle Fusion Inventory Management — Oracle Field Service | Sync Inventory Data**

Synchronizes inventory data from Oracle Fusion Inventory Management to Oracle Field Service.

[Get](#) v 01.00.0002

Accelerator by Oracle  
**Oracle Field Service — Oracle Maintenance | Manage Assets and Mobility**

Synchronizes Oracle Maintenance work orders with Oracle Field Service activities.

[Get](#) v 02.00.0008

Accelerator by Oracle  
**Oracle Primavera Cloud — Primavera Unifier | Integrate Resources and Schedule**

Integrates Oracle Primavera Cloud resources, roles, activities, and assignments with Primavera Unifier.

[Get](#) v 01.00.0000

Accelerator by Oracle  
**Oracle Fusion Cloud SCM — Oracle Health EHR | Sync Items**

Synchronizes items from Oracle Fusion Cloud SCM to Oracle Health EHR.

[Get](#) v 24.04.0010

Accelerator by Oracle  
**Oracle CrowdTwist — Siebel Loyalty | Interact and Engage with Customers**

Enables customer interaction and engagement with personalized surveys, quizzes, loyalty reward programs, and more.

[Get](#) v 01.00.0000

Accelerator by Oracle  
**Oracle ERP OPERA | Customer and Invoice Sync**

This Business Accelerator synchronizes the Customer, AR Address, Account, Contact, Invoice/Credit Memo and Customer balance...

[Get](#) v 23.7.1

Accelerator by Oracle  
**Oracle HCM Cloud — Oracle Field Service | Import Employee Details**

Imports employee details including their work availability and skills from Oracle HCM Cloud to Oracle Field Service.

[Get](#) v 2.2.20

Accelerator by Oracle  
**Oracle Field Service - Oracle Maintenance | Manage Assets and Mobility**

Schedules and executes maintenance work orders for asset maintenance and repairs. This is an out-of-the-box mobile solution for...

[Get](#) v 21.0

# Accelerator- CPQ-FOM

Design Deploy Observe

Full or partial name or keyword or description

## Integration

Integrations				
	CPQ FOM CancelSalesOrder Initiate Full or Partial Order Cancellation from CPQ to Fusion Order Management.	24.1.1	Configured	...
	CPQ FOM CreateSalesOrder Processing Order Bookings in Fusion Order Management from CPQ Across Multi...	24.7.1	Configured	...
	OSS CPQ CreateRenewalQuote Creating Renewal Quotes from OSS Across Multiple Product Types: PTO, KIT, Fin...	24.4.1	Configured	...
	OSS CPQ AssetUpsertFlow Automated Asset Creation/Update in CPQ Triggered by Oracle OSS Events.	24.4.1	Configured	...

View all 6 integration(s)

Connections				
	rest FOM REST Connection	Trigger and invoke	Draft	...
	erp ERP Events Connection This is used by CPQ to capture business events raised by FOM.	Trigger and invoke	Draft	...
	cpq CPQ REST Connection	Trigger and invoke	Draft	...
	cpq CPQ SOAP Connection	Trigger and invoke	Draft	...

View all 4 connection(s)

Lookups				
CPQ-FOM-PriceTypeDVM	Configured	...		
CPQ-OSS-BillingFrequencyDVM	Configured	...		
CPQ-FOM-LineStatusDVM	Configured	...		
CPQ-FOM-AdjustmentTypeDVM	Configured	...		

View all 5 lookup(s)

### Libraries

Add

Use JavaScript functions and libraries in your integrations.

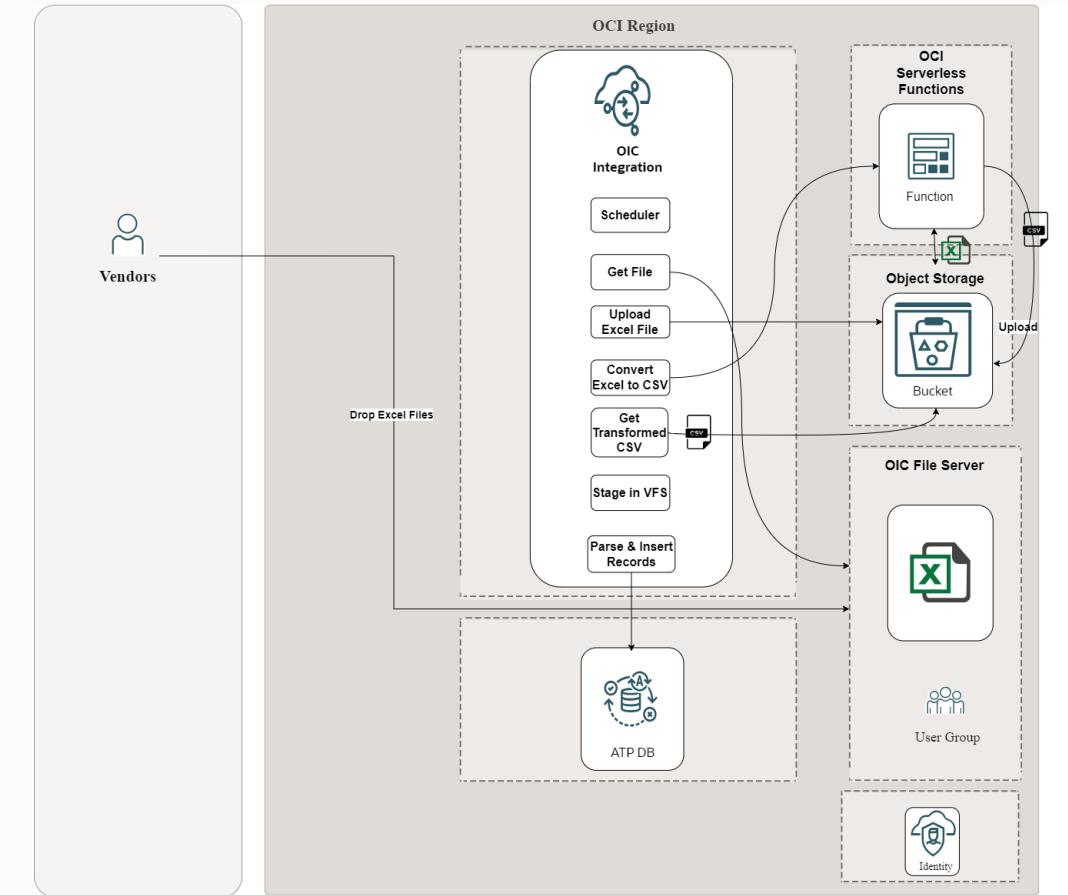
# Native Actions

- From Developer productivity perspective, we have now added a new feature where invocation of OCI services is available directly in the OIC Canvas
- Already available
  - OCI Functions
  - OCI Object Storage
  - File Server
  - B2B
  - Healthcare
- We are working on more native actions like
  - OCI Queue
  - AI Document Understanding
  - Decisions
  - OPA
  - ...

# Native Actions

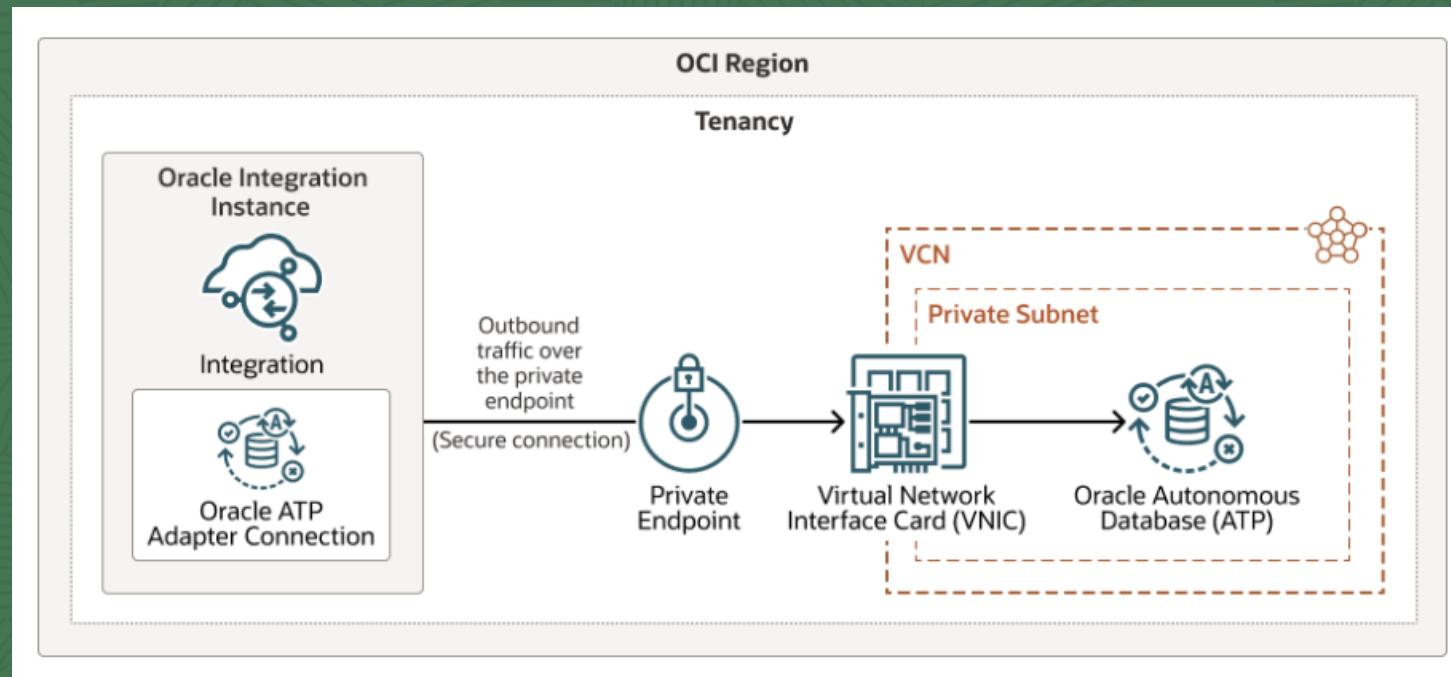
**Usecase:** GlobeShoppe Inc., a global retail company with regional offices that maintain daily records of inventory, sales, and shipments in Excel files. These files are stored on a centralized File server, making manual processing time-consuming and error-prone.

To overcome these challenges, GlobeShoppe Inc. aims to automate the entire process, from transferring files to converting and processing them for real-time analytics and reporting.



# Private Endpoint

- Attach OIC 3 to Your OCI Network
  - Access private resources securely
- Experience
  - Check box for Private Endpoint
  - Provide VCN
  - Provide Subnet
  - Select which connections use Private Endpoint
- Benefits
  - No need to configure agent for accessing private resources within OCI
  - Lower latency
  - Support for additional authentication options



## Access type

- Public gateway**  
Connect to endpoints using the internet.
- Private endpoint**  
Connect to endpoints using your private network.
- Connectivity agent**  
Connect to on-premises endpoints through the agent.

# Oracle Managed Custom Endpoint

- Let Oracle manage the Custom Endpoint on your behalf
- Oracle will generate, manage, renew, and update digital certificate for your custom hostname
- No more headaches of certificate uploads, expiries, and renewals

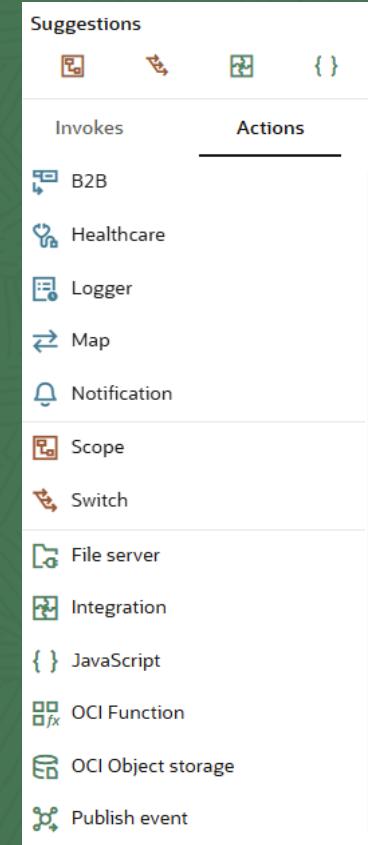
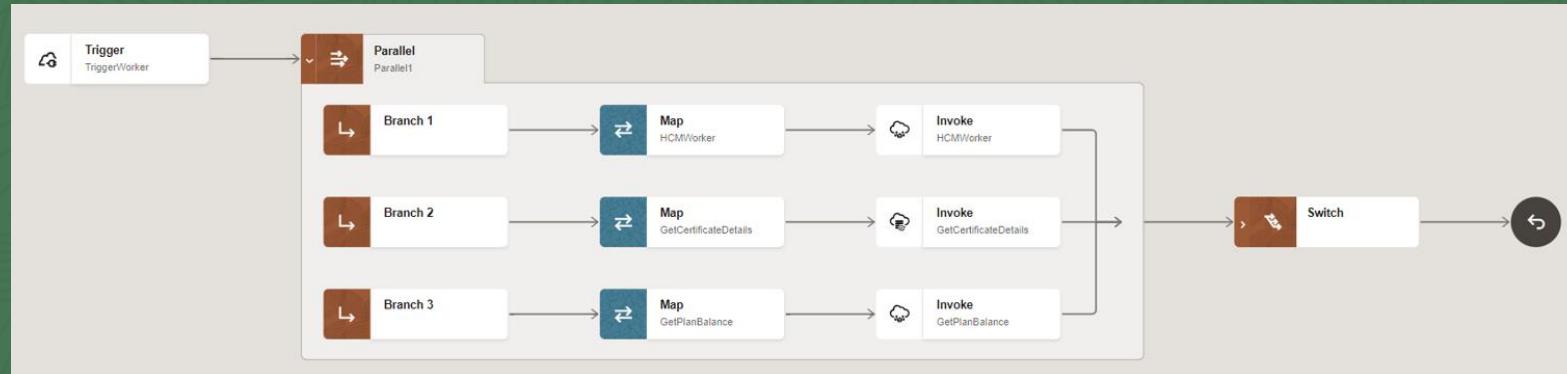
The screenshot shows the OCI Integration service interface. At the top, there's a navigation bar with the Oracle Cloud logo, a search bar, and a dropdown for 'US West (Phoenix)'. Below the header, a large green circular icon contains the letters 'OIC' and the word 'ACTIVE' below it. The main content area has two tabs: 'Integration instance information' (selected) and 'Tags'. Under 'Integration instance information', details are listed: Created: Thu, 29 Aug 2024 09:29:07 UTC; Updated: Fri, 30 Aug 2024 10:42:00 UTC; Version: Oracle Integration 3; Consumption model: Metered (universal credit); Edition: Enterprise; OCID: ...bx2pud7fca. To the right, there are links for Service console URL, Design time URL, Shape (Development), License type (Subscribe to a new Oracle Integration license), Message packs (1), File Server (Not enabled), Visual Builder (Not enabled), and Process Automation (Not enabled). Below this, a 'Custom endpoint' section is shown with a table:

Type	Host name	Original URL
Oracle managed	oic	.com

At the bottom of the page, there are sections for 'Resources' (Metrics, Work requests (5), Associated services, Private endpoints) and 'Custom endpoint' (Create custom endpoint button). The footer includes links for Terms of Use and Privacy, Cookie Preferences, and a copyright notice: Copyright © 2024, Oracle and/or its affiliates. All rights reserved.

# Parallel Action

- Available in All Orchestration patterns
- Execute actions in parallel
- HCM Cloud Worker details example
  - Query Worker details, plan balance, get certificate details
- Split flow into parallel tracks
- Gather results at end



# OIC – Healthcare Edition

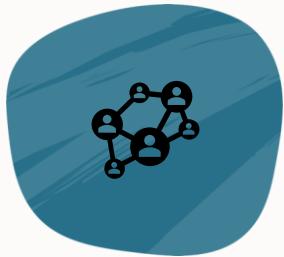
- A new edition of Oracle Integration – generally available (GA) with version 24.08
- The new edition provides all of the features of the existing OIC Enterprise edition, plus new capabilities specific to the healthcare industry.
- Healthcare Message Editor – for customization of HL7 v2 Message Schemas with built in editor
- A brand new “**Healthcare Action**” in the developer palette to process HL7 message types in OIC
- Two new adapters: HL7/MLLP and FHIR, with several more on the roadmap
- Extended data retention - Activity stream data retention period extended to 6 months

# Oracle Managed Disaster Recovery



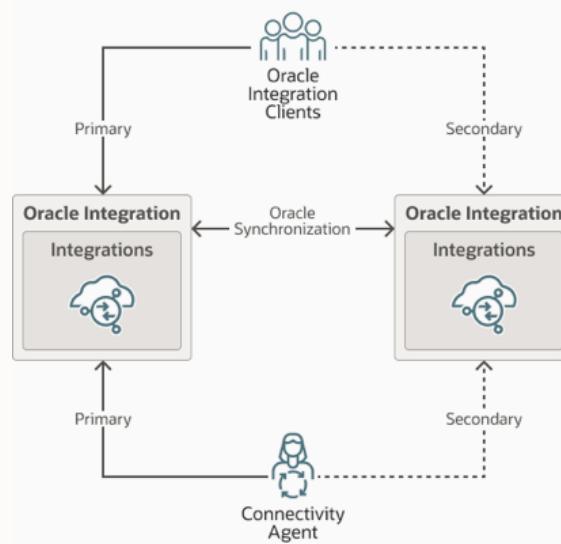
# One Click!

- Provision
    - New customer instances with DR
    - PHX & IAD (2024)
    - Other paired regions (2025)
  - Failover/Fallback
    - One hour RTO/RPO



## Automation

- Synchronization
    - Design Time artifacts
    - Configuration Data
    - Files stored on File Server
  - Common Region less URL



# Parity

- Components
    - Integrations
    - File Server
    - Agent
  - Active Passive configuration



Thank you  
Let's move on to the hands-on  
labs



<https://bit.ly/oic3projectsevents>



<https://bit.ly/oic3nativeactions>

