

Integrations Life Cycle & Packages

Objectives

After completing this lesson, you should be able to:

- Import prebuilt Integrations
- Describe OIC Integration packaging
- Import and export Integrations and Packages
- Create versioned OIC Integrations
- Describe OIC Integration versioning features



Agenda

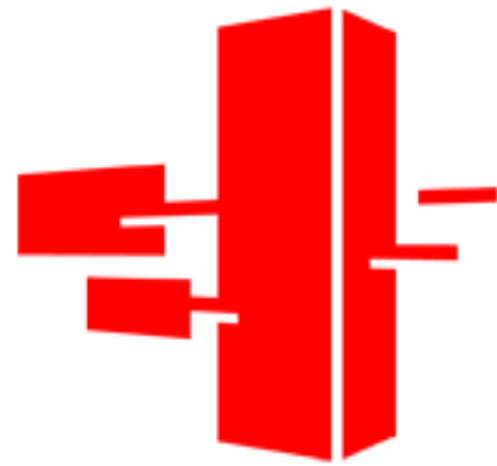
- Prebuilt Integrations
- Packaging Integrations
- Integrations Life Cycle



Prebuilt Integrations

Prebuilt integrations help users accelerate their integration projects. The types of prebuilt integrations are:

Oracle-Created



Oracle-Created Integrations

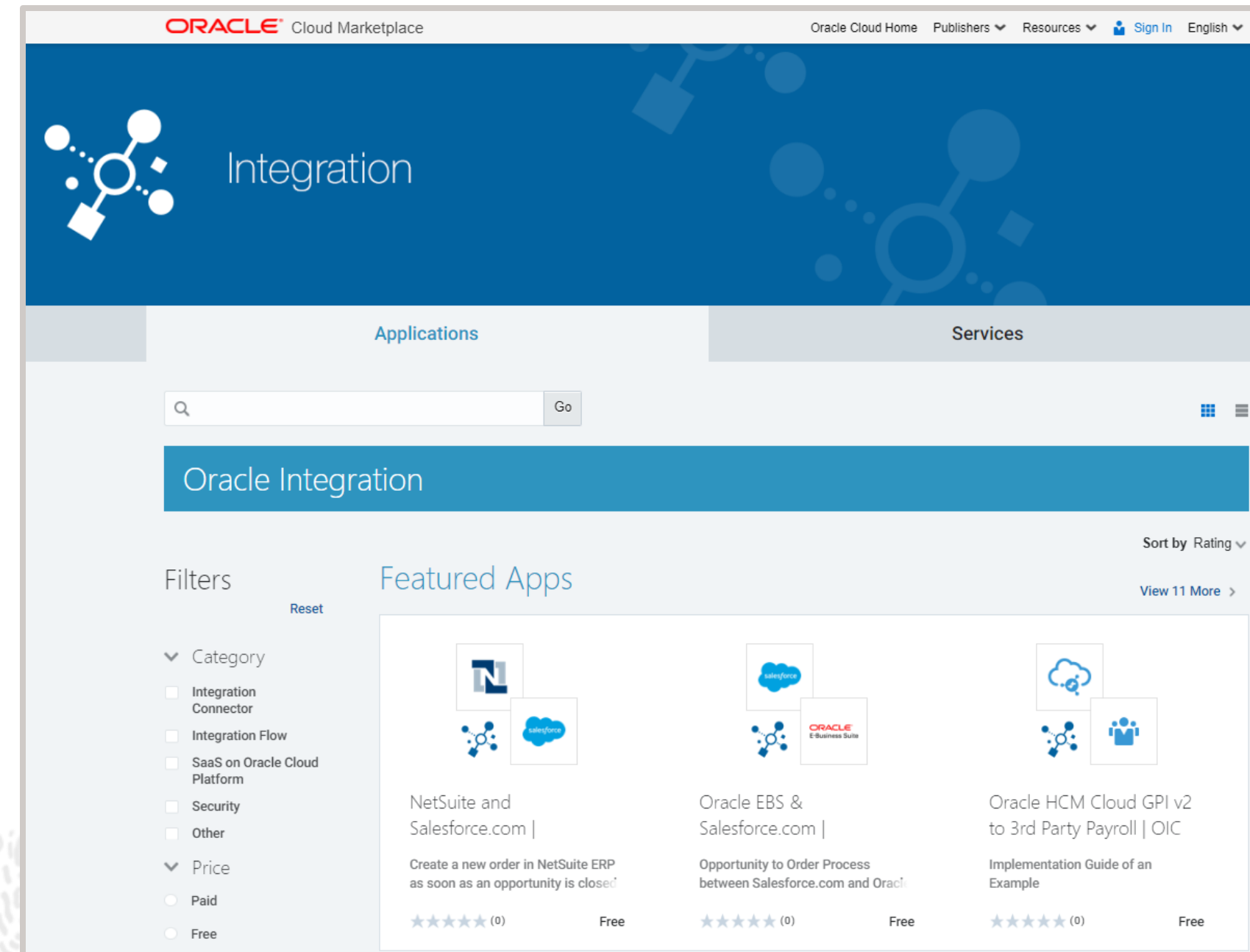
Third-Party or User-Created



Integrations that you or other users created

Oracle-Created Prebuilt Integrations

- Business Accelerators
 - Prebuilt business solutions
 - Configurable and fully Oracle-managed
- Technical Accelerators
 - Technical patterns delivered out of the box
 - Configurable
- Recipes
 - Sample integrations as a quick start or example
 - Several are published in the Oracle Marketplace



Business Accelerators

Key Capabilities:

- Pre-packaged integration solutions for key business-use cases
- Ready to use
- Configure and activate
- Supports many popular Oracle and third-party applications
- Oracle-managed


Salesforce to NetSuite


ACCELERATOR

Description


Opportunity-to-Cash business process will span Salesforce and Oracle NetSuite where leads and opportunities are tracked in Salesforce and converted to customers and orders in NetSuite. This end-to-end process when integrated gives insights and visibility into prospects, customer purchases, invoices, payments and all other information related to financial activity.

Compatible Apps


 Salesforce

 Oracle NetSuite

Created By

 Oracle

SHOW MORE

Use This Recipe 

Business Accelerator Example

ORACLE[®] NETSUITE

ActivitiesTransactionsListsReportsAnalyticsCustomizationDocumentsSetupSupport

Bundle Details

Salesforce to NetSuite

GO BACK

CONFIGURE >

NAME

Oracle Business Acclerator for Salesforce to NetSuite

ID

205332

COMPANY

Oracle

AVAILABILITY

Public

LANGUAGES

English (US), English (UK)

Overview

Components

SuiteApp Info

NAME

Oracle Business Accelerator for Salesforce to NetSuite

DESCRIPTION

Opportunity-to-Cash business process will span Salesforce and Oracle NetSuite. This accelerator will convert Salesforce leads into prospects, customer purchases, invoices, payments and all other related transactions in NetSuite.

GO BACK

CONFIGURE >

Natively available in
Oracle SaaS applications

ORACLE[®] NETSUITE

ActivitiesTransactionsListsReportsAnalytics

Bundle Details



Salesforce to NetSuite

GO BACK

OPTIONS >

This page contains all the resources referenced by the integrations within the business accelerator. Connections can be either edited or replaced.

Connections

Name ^	Status	Used by
<div> Salesforce Connection Pre-configured connection for Salesforce.com</div> <div>● Configured</div> <div>18 Integrations</div>		
<div> NetSuite Connection Pre-configured connection for Oracle NetSuite</div> <div>● Configured</div> <div>23 Integrations</div>		

ORACLE[®] NETSUITE

ActivitiesTransactionsListsReportsAnalyticsCustomizationDocumentsSetupSupport

Bundle Details

Salesforce to NetSuite

GO BACK

INSTALL

This page contains options that allow you to customize the behavior of this Business Accelerator to meet your organization's requirements.

Options

☒ Synchronize master data from Salesforce Account to NetSuite Customer

☒ Synchronize master data from NetSuite Items to Salesforce Price Book

☒ Synchronize Salesforce Opportunity at Closed/Won

☒ Use Quote-to-Estimate Integration Flows

☒ Quote approval by customer using DocuSign

☒ Allow attachments for Opportunity

☒ Auto create new Salesforce Opportunity on contract renewal

GO BACK

INSTALL

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Confidential - Oracle Restricted

Integration Recipes in the Oracle Marketplace

Leverage application adapters and best practices to accelerate delivery

Jointly developed with Oracle and third-party SaaS engineering

Upgrades handled through pre-release testing and validation




Deliver faster with proven best practices and latest application features

Lower cost of compliance by adding enterprise IT controls to recipes for reuse

These integrations are provided by Oracle and third-party vendors.

The screenshot displays the Oracle Integration Marketplace interface. At the top, a blue header reads "Oracle Integration". Below this, a "Filters" sidebar on the left includes a "Reset" button and sections for "Category" (with checkboxes for Integration Connector, Integration Flow, SaaS on Oracle Cloud Platform, Security, and Other) and "Price" (with radio buttons for Paid and Free). A red arrow points to the "Free" option. The main area, titled "Featured Apps", shows three integration cards. Each card includes icons for the connected applications, a title, a description, a star rating, and a "Free" label. The cards are: 1) "Workday & Salesforce.com | Employee On-boarding |" with a description "Employee Sync for new hires in Workday with account" and a 5-star rating (0 reviews). 2) "Oracle ERP/SCM Cloud to Oracle WMS Cloud | OIC" with a description "Oracle WMS Cloud to Oracle ERP Cloud Integration" and a 5-star rating (0 reviews). 3) "Salesforce.com & Eloqua | Account and Contact Sync" with a description "Account and Contact Sync between Salesforce.com and Eloqua" and a 5-star rating (0 reviews). A "Sort by Rating" dropdown and a "View 11 More" link are located in the top right corner.

Downloading a Prebuilt Integration Recipe



Oracle ERP/SCM Cloud to Oracle WMS Cloud |
OIC Recipe

Oracle Integration

Supply Chain Management Cloud

Integration Flow

Data Integration

Get App >

Download a single integration (.iar) archive or a package (.par) archive

Sample Flows

The attached sample flows can be downloaded and imported into ICS. From within ICS, import the .iar file and modify the connection information as desired. Please refer to ICS documentation for more information on importing integrations. The **OCWMS ERP Sample integration** is a .par format file that combines all of the individual integrations in the table below into one package. You can import the .par file to get all of the integrations in one shot instead of importing each integration listed below. The individual integrations use the .iar format.

Integration	Source	Destination	Function
OCWMS INVENTORY ADJUSTMENT	WMS	Inventory Management Cloud	WMS Inventory Adjustments to Fusion Inventory.
OCWMS RECEIPT ADVICE	Inventory Management Cloud	WMS	This integration takes purchase order Receipt Advices in Oracle Inventory Management Cloud and maps them to Oracle WMS Cloud Purchase Orders.
OCWMS RECEIPT CONFIRMATION	WMS	Inventory Management Cloud	WMS Receipt Confirmations mapped to Fusion receiving.
OCWMS SHIPMENT REQUEST	Inventory Management Cloud	WMS	Shipment Requests from Fusion Shipping mapped to WMS Orders.
OCWMS SHIPMENT CONFIRMATION	WMS	Inventory Management Cloud	Shipments out of WMS mapped to Fusion Shipping Shipment Confirmation.
OCWMS ECHO LGFDATA	-	-	This is used for internal XML transformation. No user configuration is necessary.



Importing Prebuilt Integrations

Designer

Integrations

Connections

Lookups

Packages

Agents

Adapters

Libraries

ORACLE Integration

Packages

Feb 21, 2020 4:54:28 PM

samples.oracle.callout

samples.oracle.echo

Import Package

Select Package File (.par) Choose File OCWMS_ERP_...ation.par

Integrations in an exported package do not contain connection credentials. You may provide this data before activating the integrations.

Import Cancel

Import

Package OCWMS_ERP_Sample_Integration was imported successfully.

Packages

Feb 21, 2020 4:57:17 PM UTC

Search

OCWMS_ERP_Sample_Integration

6 INTEGRATION(S)

samples.oracle.callout

View Integrations














Export

Delete

Integrations

Feb 21, 2020 5:00:57 PM UTC

Search

NEW	OCWMS Shipment Confirmation to ERP (1.0)	 
APP DRIVEN ORCHESTRATION		
Shipments out of WMS mapped to ERP Shipment Confirmation		
NEW	OCWMS Receipt Advice from ERP (1.0)	  
APP DRIVEN ORCHESTRATION		
PO's from ERP Cloud mapped to WMS PO's		
NEW	OCWMS Receipt Confirmation to ERP (1.0)	 
APP DRIVEN ORCHESTRATION		
WMS Receipt Confirmations mapped to ERP Cloud		
NEW	OCWMS Echo LgfData (1.0)	
APP DRIVEN ORCHESTRATION		
Internal XML transformation		
NEW	OCWMS Shipment Request from ERP (1.0)	  
APP DRIVEN ORCHESTRATION		
Shipment Requests from ERP Cloud mapped to WMS Orders		
NEW	OCWMS Inventory Adjustment to ERP (1.0)	 
APP DRIVEN ORCHESTRATION		
WMS Inventory Adjustments to ERP		



Oracle-Created Integration Solutions

Designer

Integrations

Connections

Lookups

Packages

Agents

Adapters

Libraries

ORACLE Integration Cloud

Integrations

Jul 19, 2018 4:55:54 PM EDT

NEW

OCCS-OMC Integration Profile (3.0)

BASIC ROUTING | BUILT BY ORACLE

Sending Profile Data from OCCS to OMC

NEW

OCCS-OMC Idle Cart (3.0)

BASIC ROUTING | BUILT BY ORACLE

Adds entries directly to Idle Cart program

NEW

OCCS-OMC Integration Order (3.0)

BASIC ROUTING | BUILT BY ORACLE

Sending Submit Order Data from OCCS to OMC

Echo (1.2.0)

APP DRIVEN ORCHESTRATION

Example describing simple log and REST request-response trig

Hello World (1.2.0)

APP DRIVEN ORCHESTRATION

Example describing simple log and notification actions. Call the

These integrations are designated with a **BUILT BY ORACLE** label.

Designer

Integrations

Connections

Lookups

Packages

Agents

Adapters

Libraries

ORACLE Integration Cloud

Package OCCS-OMC_Integration_3.0 was imported successfully.

Packages

Jul 19, 2018 4:53:10 PM EDT

OCCS-OMC_Integration_3.0

BUILT BY ORACLE

3

INTEGRATION(S)

samples.oracle.callout

1

INTEGRATION(S)



Customizing Prebuilt Integrations



**Import to
Development**

Customize

**Export from
Development**

Import to Test

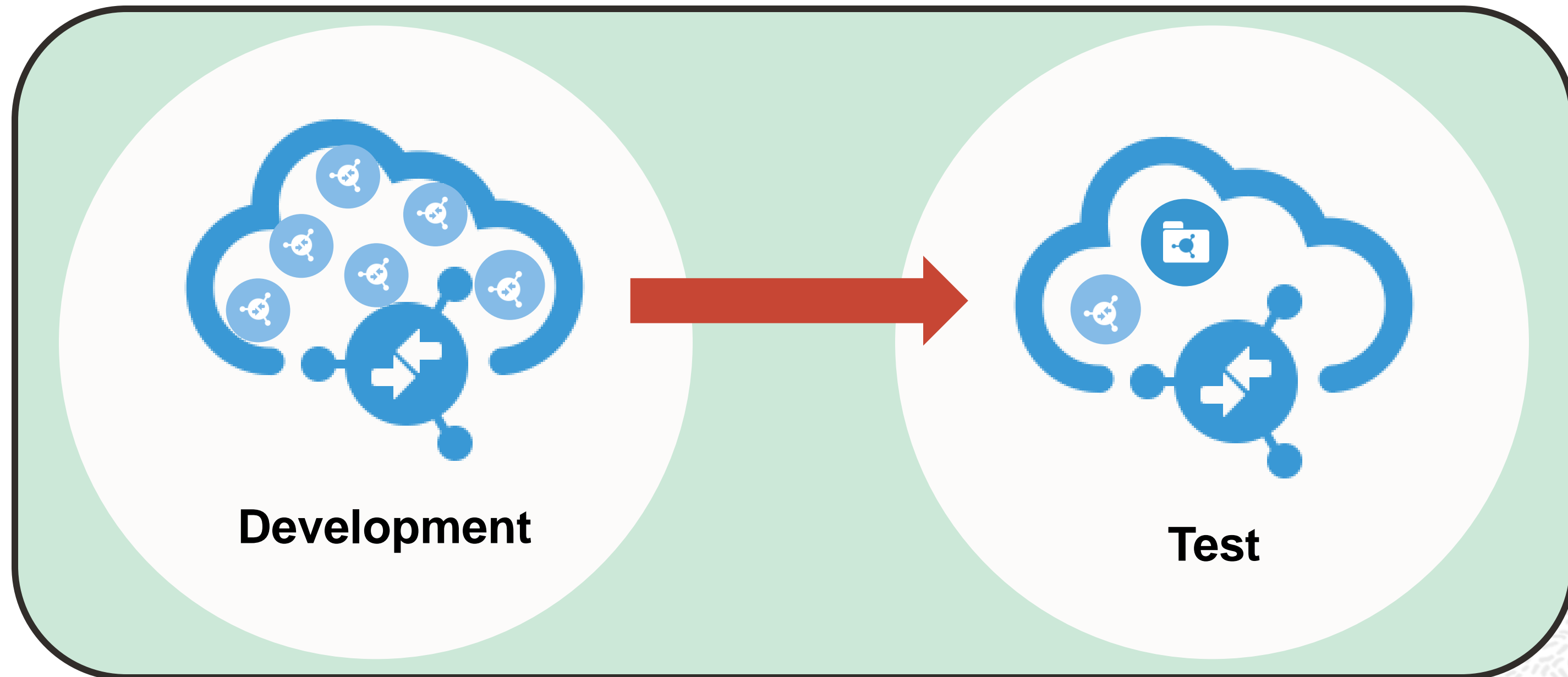
Agenda

- Prebuilt Integrations
- Packaging Integrations
- Integrations Life Cycle



OIC Integration Packages

You can export and import individual integrations. However, the best practice is to organize similar integrations into packages, which can then be exported and imported from one environment to another.



Viewing Packages

DESIGNER

Integrations

Connections

Lookups

Packages

Agents

Adapters

Libraries

ORACLE[®] Integration Cloud

16

Integration(s)

1

Integration(s)

Jun 21, 2017 12:19:57 AM UTC

Search

hol

hol

Integrations

hol

This package contains 16 integrations.

Integrations using this package

CreateIncidentP (1.0)

CreateIncidentP2 (1.0)

CreateIncidentPP (1.0)

create_incident_jlo (1.0)

Get Service Request cmh (1.0)

Close



Creating Packages

Well, you actually can't create an empty package. 😊

However, when you create an integration, you can also create a new package or select an existing package in which to include the integration.

Create New Integration

Create New Integration
Enter information that describes this integration.

Describe this integration Use a meaningful name and description that will help others find and understand this integration. The Identifier and Version can be set only when the integration is created. The combination of Identifier and Version must be unique.

* What do you want to call your integration?
Demo Integration 1

* Identifier
DEMO_INTEGRATIO_1

* Version
01.00.0000

What does this integration do?
Creating a new Integration in a new package.

Which package does this integration belong to?
Demo_Package

Create Cancel

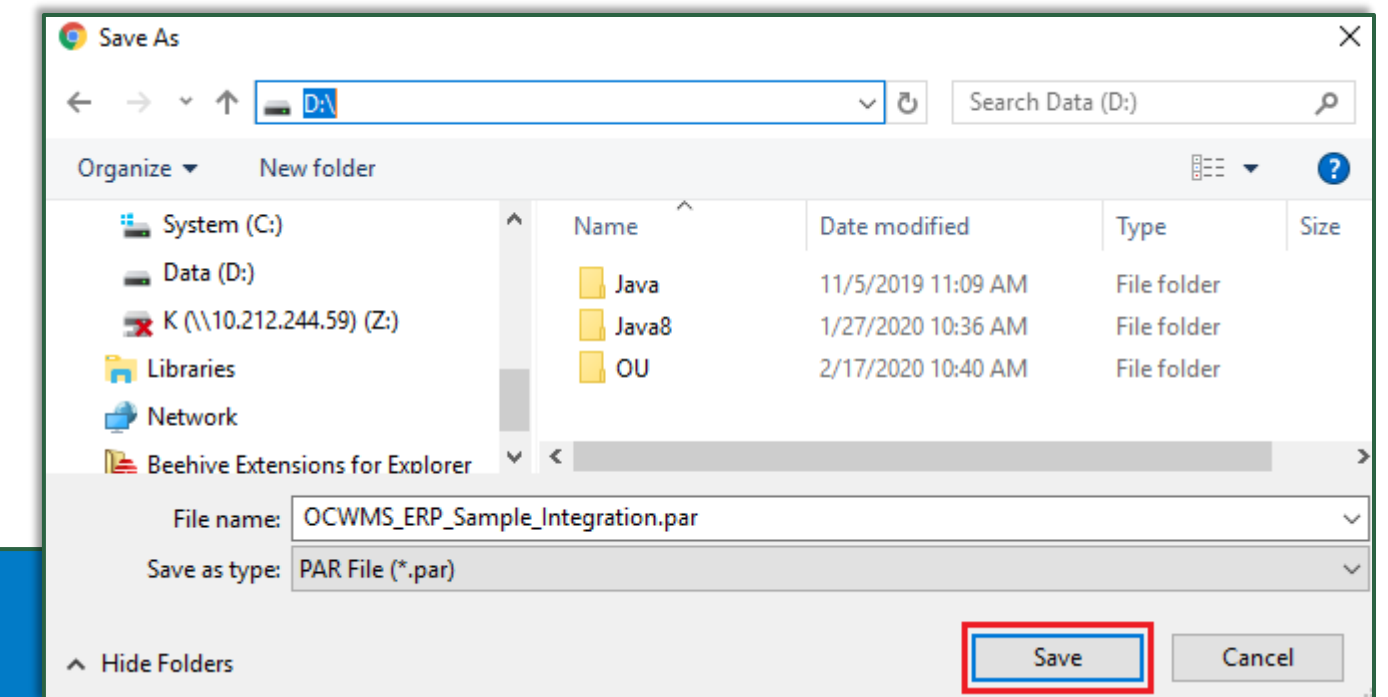
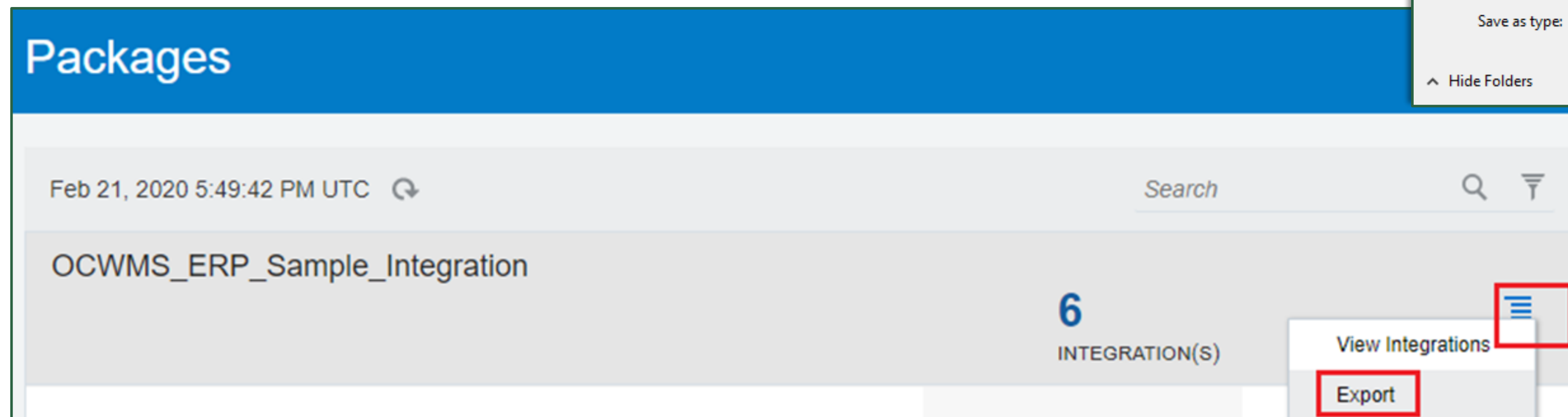
Packages have no “scope.”

- Integration identifiers must still be unique.
- There are no administrative or security boundaries.
- All integrations are still visible to one another regardless of package designation.

Use an existing package or create a new one.

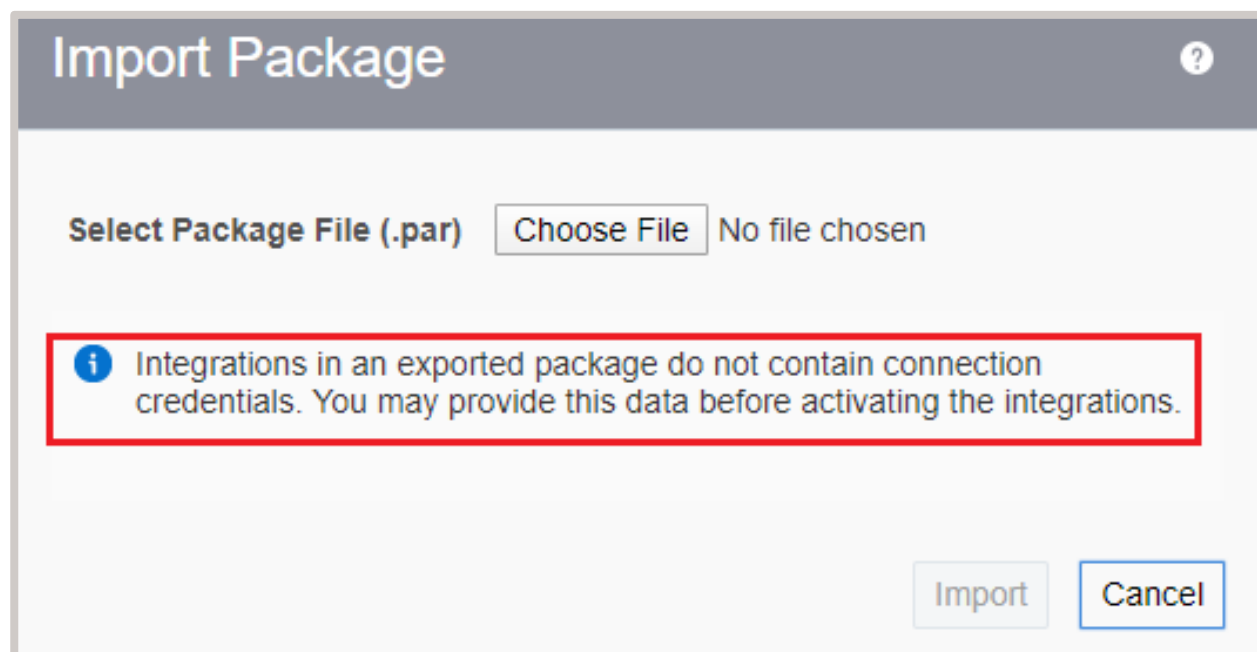
Exporting Packages

- You can export a package from OIC, which contains all integrations included in that package.
- You will be prompted to save the package (.par) archive of integrations to a file system location.
 - The individual integrations inside the PAR are included as integration (.iar) archives



Additional Considerations

- **Exported integrations** (*or a package of integrations*) include all of their dependent connection resources.
 - Connection resources are defined by an adapter type and a unique identifier.
 - URL information and credentials are **NOT** exported.
- **Imported integrations** will **NOT** include the import of their dependent connection resources if they already exist in the target OIC environment.
 - If all connection resources already exist, the integration can be immediately activated.
 - Otherwise, when a connection resource is imported, the appropriate connection properties and credentials must be configured prior to activating the integration.



Alternatively, imported integrations can be easily reconfigured to use a different existing connection resource via the OIC REST API.

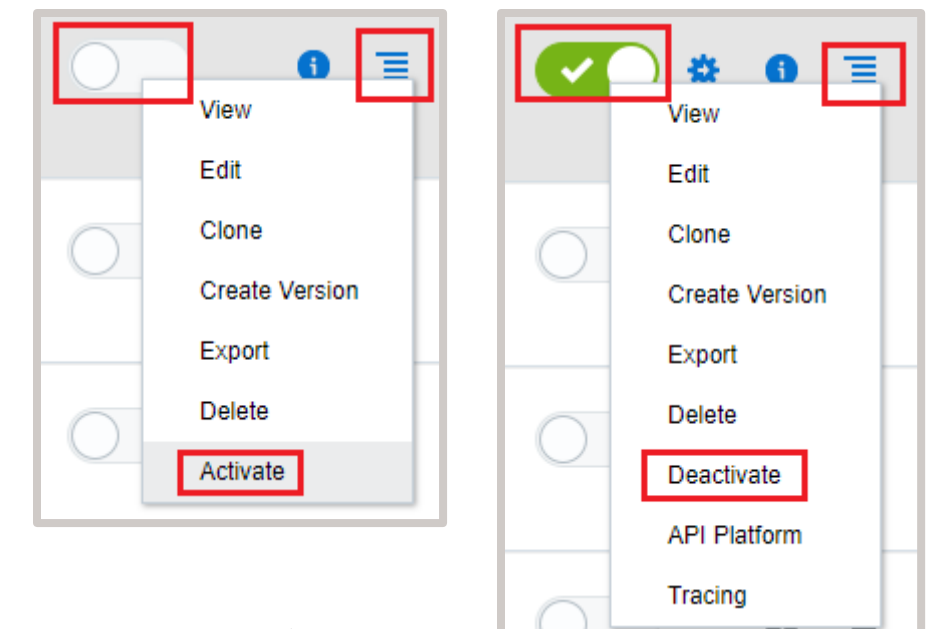
Agenda

- Prebuilt Integrations
- Packaging Integrations
- Integrations Life Cycle



Life Cycle Operations for Integrations

- **View:** Opens the integration design canvas in view-only mode
- **Edit:** Opens the integration design canvas in edit mode
 - Only deactivated integrations can be edited and modified.
- **Clone:** Creates a new integration that can be edited separately
- **Create Version:** Same as clone but retains the same identifier
 - Requires you to specify a new version number
- **Export:** Downloads an integration (.iar) archive file
- **Delete:** Removes the integration from this OIC environment
 - Only deactivated integrations can be deleted.

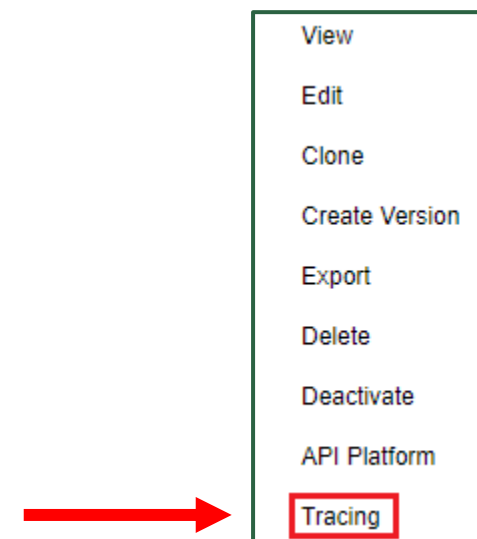


Activate or deactivate with the toggle switch or from the Action menu

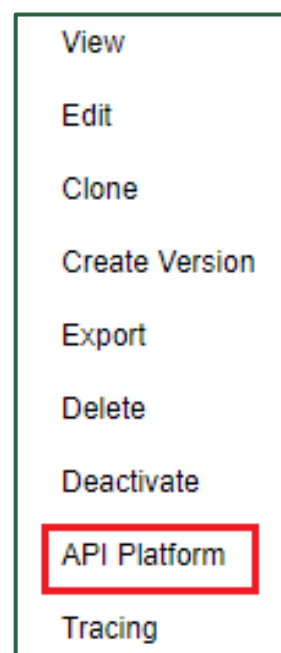
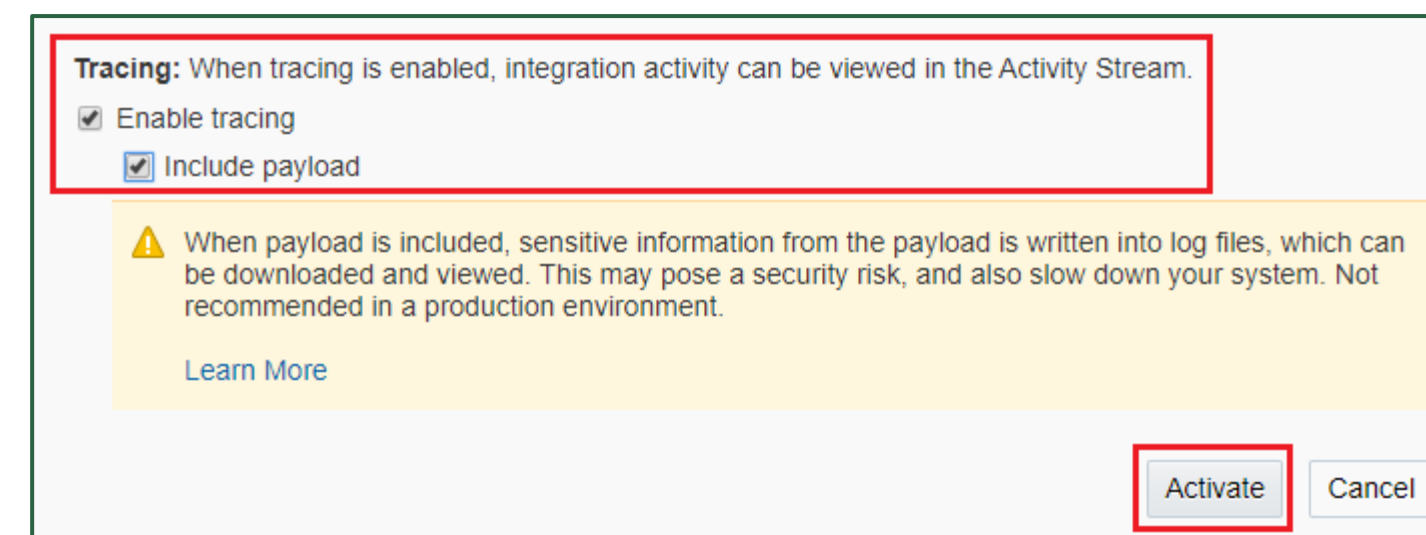
Activation Options

When activating, you have the option to enable integration instance tracing with or without the complete payload for all flow activities.

- Alternatively, you can enable tracing later after activation via the Action menu.



The current status for activated integrations is indicated just below the integration's toggle switch.

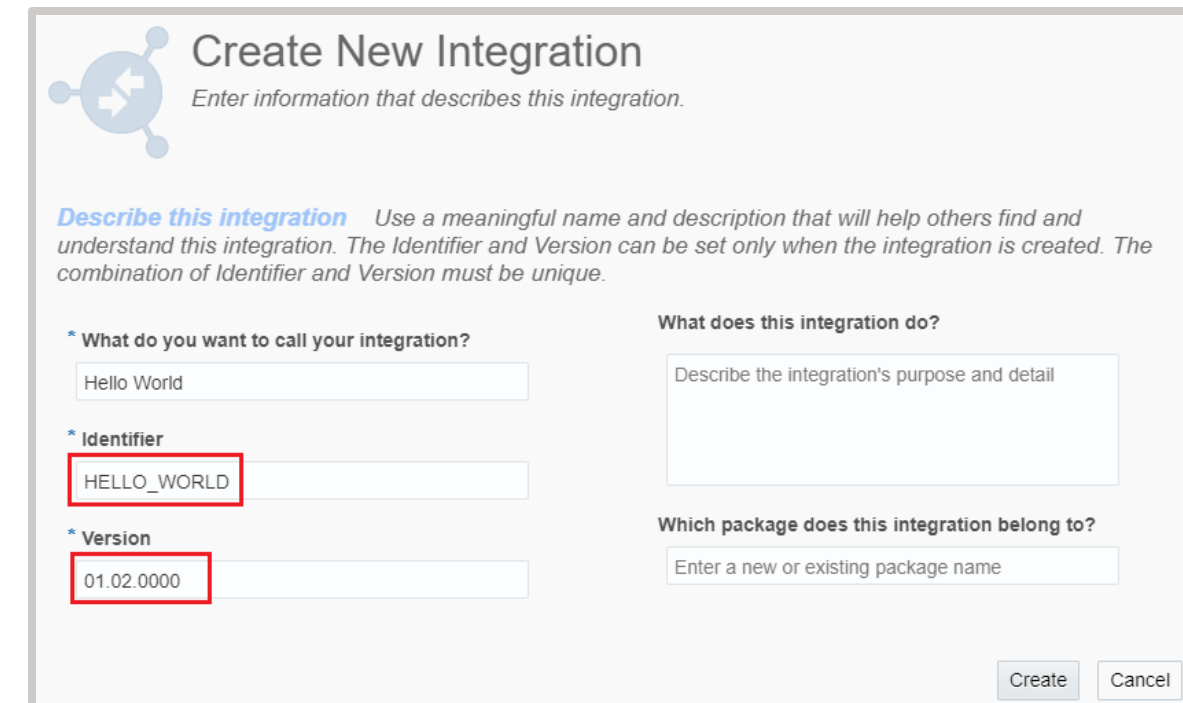


If you have an API Platform Cloud Service account, you can choose to publish endpoint information for integrations that are configured with a REST interface trigger connection.



Integration Versioning

- Integrations are uniquely identified by a unique identifier and a version number.
- The version number format is `xx.yy.zzzz`:
 - `xx` is the major version.
 - `yy.zzzz` is the minor version.
- You can create additional versions of the integration (*same Identifier*) defining a new major OR minor version number.



Create New Integration
Enter information that describes this integration.

Describe this integration Use a meaningful name and description that will help others find and understand this integration. The Identifier and Version can be set only when the integration is created. The combination of Identifier and Version must be unique.

* What do you want to call your integration?
Hello World

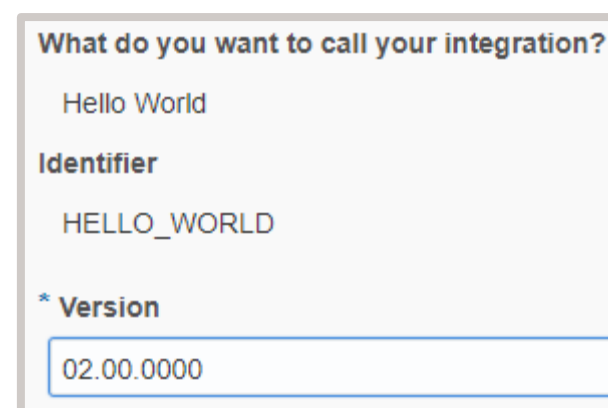
* Identifier
HELLO_WORLD

* Version
01.02.0000

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

Which package does this integration belong to?
Enter a new or existing package name

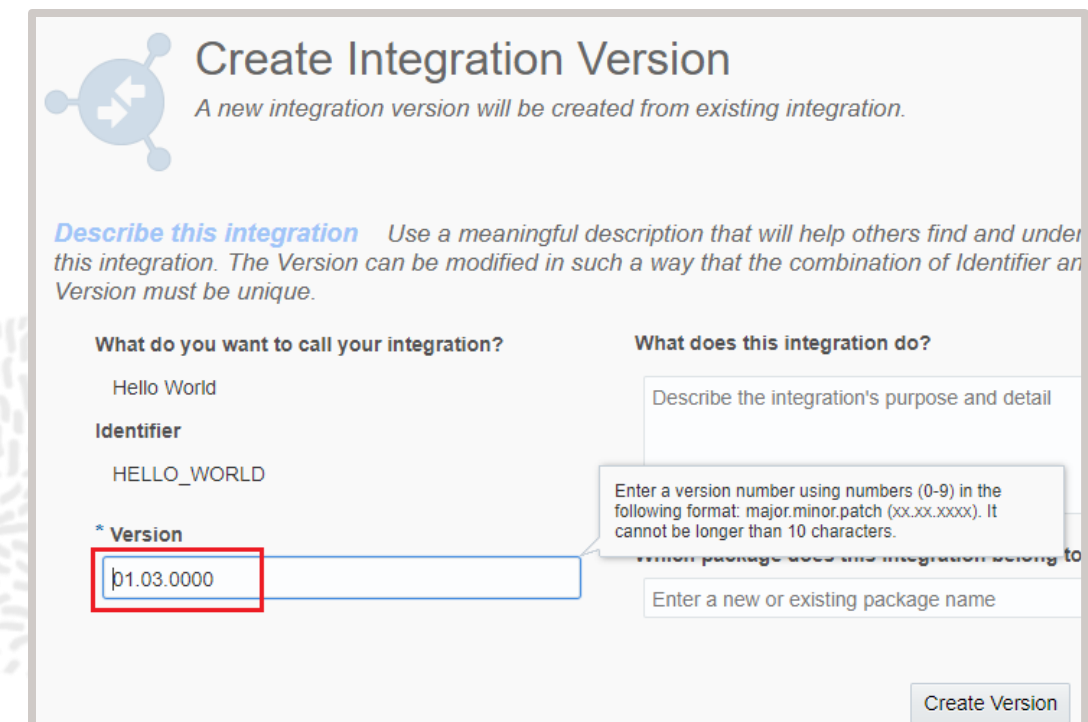
Create Cancel



What do you want to call your integration?
Hello World

Identifier
HELLO_WORLD

* Version
02.00.0000



Create Integration Version
A new integration version will be created from existing integration.

Describe this integration Use a meaningful description that will help others find and understand this integration. The Version can be modified in such a way that the combination of Identifier and Version must be unique.

What do you want to call your integration?
Hello World

Identifier
HELLO_WORLD

* Version
01.03.0000











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

Which package does this integration belong to?
Enter a new or existing package name

Create Version

Activation of Integration Versions

- Integrations with the same major version number but a different minor version number follow this rule:
 - Only one integration can be active.
 - Activating another integration will automatically deactivate the current active integration.
- Integrations with different major versions can be active at the same time.

<div>NEW</div> <div>Hello World (2.0)</div> <div>APP DRIVEN ORCHESTRATION</div>		<div></div> <div>TRACE ENABLED</div> <div></div>
<div>NEW</div> <div>Hello World (1.3.0)</div> <div>APP DRIVEN ORCHESTRATION</div>		<div></div> <div>TRACE WITH PAYLOAD</div> <div></div>

Activation of Integration Versions: Example

Before Activation

NEW Hello World (1.3.0)
APP DRIVEN ORCHESTRATION

TRACE WITH PAYLOAD

NEW Hello World (1.4.0)
APP DRIVEN ORCHESTRATION

Activating integration **Hello World (1.4.0)** requires deactivating integration **Hello World (1.3.0)**.
Are you sure you want to deactivate integration **Hello World (1.3.0)**?

[Learn More](#)

Activate

Cancel

After Activation

NEW Hello World (1.4.0)
APP DRIVEN ORCHESTRATION

TRACE WITH PAYLOAD

NEW Hello World (1.3.0)
APP DRIVEN ORCHESTRATION



Summary

In this lesson, you should have learned how to:

- Import prebuilt Integrations
- Describe OIC Integration packaging
- Import and export Integrations and Packages
- Create versioned OIC Integrations
- Describe OIC Integration versioning features



Practice 3-1: Cloning, Activating, and Testing an Integration

This practice includes:

- PART 1 – Clone an Existing Integration Flow
- PART 2 – Inspect the Integration Flow Configuration Logic
- PART 3 – Activate and Test Your New Integration

