Oracle® Cloud

Using the Oracle Monetization Cloud Adapter with Oracle Integration
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Preface

This guide describes how to configure the Oracle Monetization Cloud Adapter as a connection in an integration in Oracle Integration.

Note:
The information in this guide applies to all of your Oracle Integration instances. It doesn’t matter which edition you’re using, what features you have, or who manages your cloud environment. You’ll find what you need here, including notes about any differences between the various flavors of Oracle Integration when necessary.

Topics

• Audience
• Documentation Accessibility
• Related Resources
• Conventions

Audience

This guide is intended for developers who want to use the Oracle Monetization Cloud Adapter in integrations in Oracle Integration.

Documentation Accessibility

For information about Oracle’s commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Related Resources

See these Oracle resources:
• Using Integrations in Oracle Integration
• Using the Oracle Mapper with Oracle Integration

Conventions

The following text conventions are used in this document:

<table>
<thead>
<tr>
<th>Convention</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>boldface</strong></td>
<td>Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.</td>
</tr>
<tr>
<td><em>Italic</em></td>
<td>Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.</td>
</tr>
<tr>
<td><strong>monospace</strong></td>
<td>Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.</td>
</tr>
</tbody>
</table>
Understanding the Oracle Monetization Cloud Adapter

Review these topics to learn about the Oracle Monetization Cloud Adapter and how to use it as a connection in integrations in Oracle Integration.

Topics:

• Oracle Monetization Cloud Adapter Capabilities
• Workflow to Create and Add an Oracle Monetization Cloud Adapter Connection to an Integration
• What Application Version Is Supported?

Oracle Monetization Cloud Adapter Capabilities

The Oracle Monetization Cloud Adapter lets you integrate the Oracle Monetization Cloud REST APIs with other Oracle or external applications in Oracle Integration.

Using the Oracle Monetization Cloud Adapter in Oracle Integration, you can:

• Build end-to-end integrations between Oracle Monetization Cloud and other applications using a simple drag-and-drop interface
• Use messages from other integrated applications to invoke the Oracle Monetization Cloud REST API for tasks such as creating and updating accounts, purchasing and managing subscriptions, and viewing bills and invoices
• Use event publication messages from the Oracle Monetization Cloud REST API to invoke other applications
• Monitor the integrations as they run
• Monetize your integrations by publishing them in the Oracle Cloud Marketplace for other system integrators to use

When you use an Oracle Monetization Cloud Adapter connection as an invoke in an integration you can:

• Invoke all Oracle Monetization Cloud REST API endpoints and operations. See REST API for Oracle Monetization Cloud for information about the endpoints, operations, and data model.
• Secure integration using OAuth 2.0 token-based authentication
• Use a simple drag-and-drop interface to map fields from external application messages to the fields in the JSON message consumed by the Oracle Monetization Cloud REST API
• String together several Oracle Monetization Cloud REST API operations, using the response message from one to generate the request for the next. For example, create an account and use details from the response in a request to create a payment profile.
When you use an Oracle Monetization Cloud Adapter connection as a trigger in an integration, you can:

- Use all Oracle Monetization Cloud notification events as triggers to invoke target applications. See Sending data to external applications in Oracle Monetization Cloud Integration Guide for information about notification events.
- Use a simple drag-and-drop interface to map fields from the event messages to the fields in the message consumed by the external application

Workflow to Create and Add an Oracle Monetization Cloud Adapter Connection to an Integration

You follow a very simple workflow to create a connection with an adapter and include the connection in an integration in Oracle Integration.

This table lists the workflow steps for both adapter tasks and overall integration tasks, and provides links to instructions for each step.

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
<th>More Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Access Oracle Integration.</td>
<td>Go to <a href="https://host:port/ic/home">https://host:port/ic/home</a> where host and port are the host and port for your Oracle Integration server.</td>
</tr>
<tr>
<td>2</td>
<td>Create the adapter connections for the applications you want to integrate. The connections can be reused in multiple integrations and are typically created by the administrator.</td>
<td>Create an Oracle Monetization Cloud Adapter Connection</td>
</tr>
<tr>
<td>3</td>
<td>Create the integration. When you do this, you add trigger (source) and invoke (target) connections to the integration. Use the Oracle Monetization Cloud connection as a trigger to send event notifications to external applications. Use the Oracle Monetization Cloud connection as an invoke to create and manage Oracle Monetization Cloud subscriber resources from external applications.</td>
<td>Create Integrations in Using Integrations in Oracle Integration and Add the Oracle Monetization Cloud Adapter Connection to an Integration.</td>
</tr>
<tr>
<td>4</td>
<td>Map data between the trigger connection data structure and the invoke connection data structure.</td>
<td>Map Data in Using Integrations in Oracle Integration</td>
</tr>
<tr>
<td>5</td>
<td>(Optional) Create lookups that map the different values used by those applications to identify the same type of object (such as gender codes or country codes).</td>
<td>Manage Lookups in Using Integrations in Oracle Integration</td>
</tr>
<tr>
<td>Step</td>
<td>Description</td>
<td>More Information</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>6</td>
<td>Activate the integration.</td>
<td>Activate Integrations in <em>Using Integrations in Oracle Integration</em></td>
</tr>
<tr>
<td>7</td>
<td>Monitor the integration on the dashboard.</td>
<td>Monitor Integrations in <em>Using Integrations in Oracle Integration</em></td>
</tr>
<tr>
<td>8</td>
<td>Track payload fields in messages during runtime.</td>
<td>Assign Business Identifiers for Tracking Fields in Messages and Manage Business Identifiers for Tracking Fields in Messages in <em>Using Integrations in Oracle Integration</em></td>
</tr>
<tr>
<td>9</td>
<td>Manage errors at the integration level, connection level, or specific integration instance level.</td>
<td>Manage Errors in <em>Using Integrations in Oracle Integration</em></td>
</tr>
</tbody>
</table>

### What Application Version Is Supported?

For information about which application version is supported by this adapter, see the Oracle Integration Adapters Certification Matrix under section **Oracle Integration Adapters Certification** at the top of the page:

[Oracle Integration Adapters Certification Matrix](#)
Create an Oracle Monetization Cloud Adapter Connection

Connections are based on adapters. Connections can expose the adapter as a trigger, an invoke, or both. The following topics describe how to create an Oracle Monetization Cloud Adapter connection.

Topics:

• Prerequisites for Creating a Connection
• Create a Connection

Prerequisites for Creating a Connection

Before you can create a connection with the Oracle Monetization Cloud Adapter:

• Create a confidential application for the adapter in the Oracle Monetization Cloud instance of Oracle Identity Cloud Service, as described in Creating confidential applications for generating OAuth tokens, but use only the Client Credentials grant type, and add all of the REST-related scopes. Note the client ID and client secret generated from this application; you'll need it when you create the connection to the adapter.

• Create a confidential application for Oracle Monetization Cloud in the Oracle Integration instance of Oracle Identity Cloud Service as described in Adding a Confidential Application. Use these values on the client configuration page:

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allowed Grant Types</td>
<td>Select Resource Owner, Refresh Token, and Authorization Code.</td>
</tr>
<tr>
<td>Redirect URL</td>
<td>Enter the URL for your Oracle Monetization Cloud instance to send the authorization code to. For example: <a href="https://hostname/authcode.html">https://hostname/authcode.html</a></td>
</tr>
<tr>
<td>Client Type</td>
<td>Select Confidential.</td>
</tr>
<tr>
<td>Allowed Operations</td>
<td>Select On behalf Of.</td>
</tr>
<tr>
<td>Allowed Scopes</td>
<td>Select the row for your Oracle Integration instance and select Add.</td>
</tr>
</tbody>
</table>

Use these values on the Resources configuration page:

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access Token Expiration</td>
<td>Optionally, change the default value.</td>
</tr>
<tr>
<td>Is Refresh Token Allowed</td>
<td>Select this option.</td>
</tr>
</tbody>
</table>
Create a Connection

The first step in creating an integration is to create the connections to the applications with which you want to share data.

1. In the navigation pane, click **Integrations**, then click **Connections**.
2. Click **Create**.

**Note:**

You can also create a connection in the integration canvas of:

- An orchestrated integration (See Define Inbound Triggers and Outbound Invokes.)
- A basic routing integration (See Add a Trigger (Source) Connection.)

The Create Connection — Select Adapter dialog is displayed.

3. Select an adapter from the dialog. You can also search for the type of adapter to use by entering a partial or full name in the **Search** field, and clicking **Search**.

The Create New Connection dialog is displayed.

4. Enter the information to describe the connection.

   - Enter a meaningful name to help others find your connection when they begin to create their own integrations. The name you enter is automatically added in capital letters to the **Identifier** field. If you modify the identifier name, do not include a blank space (for example, **Sales Opportunity**).

   - Select the role (direction) in which to use this connection (trigger, invoke, or both). Only the roles supported by this adapter are displayed for selection. When you select a role, only the connection properties and security policies appropriate to that role are displayed on the Connections page. If you select an adapter that supports both invoke and trigger, but select only one of those roles, then try to drag the adapter into the section you did not select, you receive an error (for example, configure an Oracle Service Cloud (RightNow) Adapter as only an invoke, but drag the adapter to the trigger section).

   - Enter an optional description of the connection.
5. Click **Create**.

Your connection is created and you are now ready to configure connection details, such as email contact, connection properties, security policies, connection login credentials, and (for certain connections) agent group.

### Add a Contact Email

From the Connection Administrator section of the connection, you can add a contact email address for notifications.

1. In the **Email Address** field, enter an email address to receive email notifications when problems occur.
2. In the upper right corner, click **Save**.

### Configure Connection Properties

Enter the Oracle Monetization Cloud REST URL so the adapter can process requests.

1. Click **Configure Connectivity**.

The Connection Properties dialog is displayed.

2. In the **OMC Base URL** field, enter the URL for your Oracle Monetization Cloud REST server.
3. Click **OK**.

### Configure Connection Security

Configure security for your Oracle Monetization Cloud Adapter connection by selecting the security policy and security token.

1. Click **Configure Credentials**.
The Credentials dialog is displayed.

2. From the **Security Policy** menu, select OAuth Client Credentials.

3. Enter the required OAuth security details:
   a. **Access Token URI**: The OAuth endpoint to request a token from.
   b. **Client Id**: The OAuth client ID created in Oracle Identity Cloud Service for the adapter.
   c. **Client Secret**: The OAuth client secret created in Oracle Identity Cloud Service for the adapter.
   d. **Scope**: The Oracle Monetization Cloud scope that this access token applies to. You can enter multiple scopes, separated by a space. For information about Oracle Monetization Cloud scopes, see Scopes for accessing web services in *Oracle Monetization Cloud Integration Guide*.

4. Click **OK**.

**Test the Connection**

Test your connection to ensure that it is successfully configured.

1. In the upper right corner of the page, click **Test**.
   
   Oracle Integration connects to the Oracle Monetization Cloud REST server using the OAuth connection details that you specified. If it connected successfully, a confirmation message is displayed. If it couldn't connect, an error message is displayed with details. Verify that the configuration details you entered are correct.

2. When complete, click **Save**, then click **Close**.
Add the Oracle Monetization Cloud Adapter Connection to an Integration

When you drag the Oracle Monetization Cloud Adapter into the trigger or invoke areas of an integration, the Adapter Endpoint Configuration Wizard is invoked. This wizard guides you through configuration of the Oracle Monetization Cloud Adapter endpoint properties.

The following sections describe the wizard pages that guide you through configuration of the Oracle Monetization Cloud Adapter as a trigger or invoke in an integration.

Topics:
- Basic Info Page
- Trigger Events Page
- Invoke Operations Page
- Invoke Request Parameters Page
- Summary Page

Basic Info Page

You can enter a name and description on the Basic Info page of each adapter in your integration.

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
</table>
| What do you want to call your endpoint? | Provide a meaningful name so that others can understand the responsibilities of this connection. You can include English alphabetic characters, numbers, underscores, and dashes in the name. You cannot include the following:  
  • Blank spaces (for example, My Inbound Connection)  
  • Special characters (for example, #;83$ or righ(t)now4)  
  • Multibyte characters |
| What does this endpoint do?      | Enter an optional description of the connection’s responsibilities. For example:  
This connection receives an inbound request to synchronize account information with the cloud application. |
**Trigger Events Page**

When you add an Oracle Monetization Cloud connection to an integration as a trigger, you select the events to publish information about.

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select a Business Object</td>
<td>Select the type of object you want to publish information about, such as accounts, bills, or invoices. This filters the list of events to choose from. You can enter text to filter the business objects list.</td>
</tr>
<tr>
<td>Select an Event</td>
<td>Select the event you want to publish, such as account, bill, or invoice creation. The list of events updates automatically when you select a different business object, and you can enter text to filter the list.</td>
</tr>
</tbody>
</table>

**Invoke Operations Page**

When you add an Oracle Monetization Cloud connection to an integration as an invoke, you select the operations to perform.

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select a Business Object</td>
<td>Select the type of object you want to perform operations on, such as an account, billing profile, or subscription. This filters the list of operations to choose from below. You can enter text to filter the business objects list.</td>
</tr>
<tr>
<td>Select an Operation</td>
<td>Select the operation you want to perform, such as create an account, update a billing profile, or add a bundle (deal) to a subscription. The list of events operations automatically when you select a different business object, and you can enter text to filter the list.</td>
</tr>
</tbody>
</table>

**Invoke Request Parameters Page**

For some query operations, you can select additional request parameters.

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Query Parameters</td>
<td>Enter text to filter the list of available query parameters.</td>
</tr>
</tbody>
</table>
### Summary Page

You can review the specified adapter configuration values on the Summary page.

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summary</td>
<td>Displays a summary of the configuration values you defined on previous pages of the wizard. The information that is displayed can vary by adapter. For some adapters, the selected business objects and operation name are displayed. For adapters for which a generated XSD file is provided, click the XSD link to view a read-only version of the file. To return to a previous page to update any values, click the appropriate tab in the left panel or click <strong>Back</strong>. Click <strong>Cancel</strong> to cancel your configuration details.</td>
</tr>
</tbody>
</table>
Oracle Monetization Cloud Adapter Samples

These samples show end-to-end scenarios for using the Oracle Monetization Cloud Adapter.

Topics:
- Build an Integration with Oracle Monetization Cloud as the Invoke
- Build an Integration with Oracle Monetization Cloud as the Trigger

Build an Integration with Oracle Monetization Cloud as the Invoke

You can use the Oracle Monetization Cloud Adapter to integrate with other Oracle Cloud applications. This sample describes how to use the adapter as an invoke to create an account with an associated payment profile in Oracle Monetization Cloud with data from Oracle Commerce Cloud.

Topics:
- Create Adapter Connections
- Create the Account Integration
- Invoke and Monitor the Account Integration

Create Adapter Connections

1. Create the Oracle Monetization Cloud Adapter connection as described in Create an Oracle Monetization Cloud Adapter Connection. For more reusability, select the Trigger and Invoke role. You need these connection details:
   - The URL for your Oracle Monetization Cloud REST server.
   - The OAuth endpoint for requesting an access token.
   - The OAuth client ID and client secret for the adapter's OAuth application, created in the System Configuration application of Oracle Monetization Cloud.

2. Create the Oracle Commerce Cloud Adapter connection as described in Create an Oracle Commerce Cloud Adapter Connection. For more reusability, select the Trigger and Invoke role. You need these connection details:
   - The Commerce Admin URL provided when you purchased the Oracle Commerce Cloud storefront.
   - The OAuth security token for the adapter's registered application created in the Admin portal of Oracle Commerce Cloud.
Create the Account Integration

1. Create an application-driven orchestrated integration as described in Create Orchestrated Integrations.

2. Drag your Oracle Commerce Cloud Adapter connection to the trigger, and configure it. On the Request page, select the Shopper Profile Create business object.

3. Drag your Oracle Monetization Cloud Adapter connection onto the flow below the trigger, and on the Operations page, select the Accounts business object and the Create account operation.

4. Configure the mapping between the trigger and the invoke. This table shows the minimum parameters that the Oracle Monetization Cloud operation expects, but you can map more as needed:

<table>
<thead>
<tr>
<th>Oracle Commerce Cloud Profile Parameter</th>
<th>Oracle Monetization Cloud Account Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>profileId</td>
<td>accountNumber</td>
</tr>
<tr>
<td>currencyCode</td>
<td>currency</td>
</tr>
<tr>
<td>firstName</td>
<td>firstName</td>
</tr>
<tr>
<td>lastName</td>
<td>lastName</td>
</tr>
<tr>
<td>email</td>
<td>email</td>
</tr>
</tbody>
</table>

5. Drag your Oracle Monetization Cloud Adapter connection onto the flow below the account creation invoke, and on the Operations page, select the Payment Profiles business object and the Create payment profile operation.

6. Configure the mapping between the account and payment profile. You can select parameters from both the Oracle Commerce Cloud createProfile request and the Oracle Monetization Cloud createAccount response.

For this sample, enter the string "invoice" for the type parameter and the string "email" for the deliveryMode parameter. Then map the following minimum parameters from the account response to the payment profile request:

<table>
<thead>
<tr>
<th>Account parameter</th>
<th>Payment profile parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>id (under billingPreferences)</td>
<td>billingPreferenceIds</td>
</tr>
<tr>
<td>id (under accounts.definitions.Account)</td>
<td>accountIds</td>
</tr>
<tr>
<td>accountNumber (under accounts.definitions.Account)</td>
<td>accountNumber</td>
</tr>
<tr>
<td>name (under billingPreferences)</td>
<td>name (under invoice)</td>
</tr>
<tr>
<td>email (under contacts)</td>
<td>email (under invoice)</td>
</tr>
</tbody>
</table>

When complete, the integration looks like this:
7. Activate the integration.

Invoke and Monitor the Account Integration

1. In Oracle Integration Cloud, go to the Integrations page and select the How to run icon beside your new account integration. Copy the endpoint URL.
2. In Oracle Commerce Cloud, create a webhook for the Shopper Profile Create event API, using the endpoint URL you copied. See Configure webhooks in Oracle Commerce Cloud Extending Oracle Commerce Cloud.

3. Invoke the integration from Oracle Commerce Cloud by creating and publishing a new shopper profile.

4. Review the information about your integration in the monitoring dashboards in Oracle Integration Cloud. You can monitor high level information, like how many messages have been received and processed by your integration. For failures, you can drill down to locate the point of failure within the integration, view the related error message, and resubmit the message. See Monitoring Integration Cloud Services for more details.

5. In Oracle Integration Cloud, confirm that the message is processed successfully, then in Oracle Monetization Cloud, use the Subscriber Management application to search for the new account and confirm that it appears.

Build an Integration with Oracle Monetization Cloud as the Trigger

You can use the Oracle Monetization Cloud Adapter to integrate with other Oracle Cloud applications. This sample describes how to use the adapter as a trigger to synchronize packages from Oracle Monetization Cloud to Oracle Commerce Cloud.

Topics:
- Create Adapter Connections
- Create the Package Integration
- Invoke and Monitor the Package Integration

Create Adapter Connections

1. Create the Oracle Monetization Cloud Adapter connection as described in Create an Oracle Monetization Cloud Adapter Connection. For more reusability, select the Trigger and Invoke role. You need these connection details:
   - The URL for your Oracle Monetization Cloud REST server.
   - The OAuth endpoint for requesting an access token.
   - The OAuth client ID and client secret for the adapter's OAuth application, created in the System Configuration application of Oracle Monetization Cloud.

2. Create the Oracle Commerce Cloud Adapter connection as described in Create an Oracle Commerce Cloud Adapter Connection. For more reusability, select the Trigger and Invoke role. You need these connection details:
   - The Commerce Admin URL provided when you purchased the Oracle Commerce Cloud storefront.
   - The OAuth security token for the adapter's registered application created in the Admin portal of Oracle Commerce Cloud.
Create the Package Integration

1. Create an application-driven orchestrated integration as described in Create Orchestrated Integrations.

2. Drag your Oracle Monetization Cloud Adapter connection to the trigger, and configure it. On the Events page, select the Plans and Deals business object and the Package event. On the Request Parameters page, select at least the expand parameter.

3. Drag your Oracle Monetization Cloud Adapter connection onto the flow below the trigger, and on the Operations page, select the Plans and Deals business object and the Get plan by Id operation.

4. Configure the mapping between the trigger and the invoke:
   a. Select the expand parameter to open the mapping builder.
   b. In the statement, replace the placeholder text with 'deals.products'. This lets you get the full details for the products to use when mapping to Oracle Commerce Cloud.
   c. Save and close the mapping builder.
   d. Select the *id parameter to open the mapping builder.
   e. Expand the Mapping Components area, expand the XSL Elements folder, and drag the value-of element into the statement.
   f. Expand the Functions and String folders and drag the substring-before function below the select element in the statement.
   g. Drag the substring-after function onto the string1 element.
   h. Expand the Source area and drag the Poid parameter (under PlanInfo) to the new string1 element.
   i. In string2 under substring-after, enter '/plan'.
   j. In string2 under substring-before, enter ''. 

Your statement should look like this:

```
<xs:value-of select="substring-before(substring-after(ns:planInfoChange)/ns:plan)/ns:planInfoChangeEvent_POST/ns:plansAndDeals' plan'"/>
```
When you’re done editing, the string for the statement is:

```
<xsl:value-of select =
    "substring-before(substring-after(/nssrcmpr:planInfoChangeEvent_POST/
    nssrcmpr:plansAndDealsEvents.definitions.PlanInfoChange/nsmp3:PlanInfo/
    nsmp3:Poid,
    '/plan '), " ")">}
```

And the mapping looks like this:

This mapping converts the POID from the publication event to the ID format required for subsequent operations.

5. Drag your Oracle Commerce Cloud Adapter connection onto the flow below the invoke for getting the package details, and on the Operations page, select the Products business object and the CreateProduct operation.

6. Configure the mapping between the Oracle Monetization Cloud response and the Oracle Commerce Cloud request. You can map parameters from both the triggering event and the GetPlanDetails response. For this sample, enter strings for these Oracle Commerce Cloud parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sample String</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>X-CCAsset-Language (under HTTPHeaders)</td>
<td>en</td>
<td>Choose a language.</td>
</tr>
<tr>
<td>catalogId</td>
<td>cloudCatalog</td>
<td>Choose one from the list requested from the Oracle Commerce Cloud listCatalogs endpoint.</td>
</tr>
<tr>
<td>categoryId</td>
<td>rootCategory</td>
<td>Choose one of the categories associated with the catalog requested from the Oracle Commerce Cloud getCatalog endpoint.</td>
</tr>
<tr>
<td>Parameter</td>
<td>Sample String</td>
<td>Source</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>productType</td>
<td>LWS-producttype</td>
<td>Choose one from the list of product types requested from the Oracle Commerce Cloud listProductTypes endpoint.</td>
</tr>
<tr>
<td>active</td>
<td>true</td>
<td>Choose whether the product should be active or not.</td>
</tr>
<tr>
<td>listPrice</td>
<td>80</td>
<td>Use a static value for the purpose of this sample. In a real-world scenario, you would use a function to aggregate the amount values from all the charge offers in the required deals in the Oracle Monetization Cloud response.</td>
</tr>
</tbody>
</table>

Then map the *name*, *description*, and *id* parameters from the Oracle Monetization Cloud response to the corresponding parameters under *properties* in the Oracle Commerce Cloud request.

7. Configure the mapping between the Oracle Commerce Cloud CreateProduct and the return response to the initial trigger. For this sample, enter the string *success* for the *status* parameter. In real scenarios, the invokes elsewhere in the flow might provide response details, but for this sample, no details are required. The response is only for tracking purposes.

When complete, the integration looks like this:
8. Activate the integration.
Invoke and Monitor the Package Integration

1. Invoke the integration by submitting a changeset containing a new package in Oracle Monetization Cloud. See Getting started with Offer Design in Oracle Monetization Cloud User’s Guide for information.

2. Review the information about your integration in the monitoring dashboards in Oracle Integration Cloud. You can monitor high level information, like how many messages have been received and processed by your integration. For failures, you can drill down to locate the point of failure within the integration, view the related error message, and resubmit the message. See Monitoring Integration Cloud Services for more details.

3. If the message was processed successfully, open Oracle Commerce Cloud and search for the new product to confirm that it appears.