Oracle® Cloud

Migrate Integration Artifacts Between Instances

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Preface

This document describes how to install, configure, and run this recipe in Oracle Integration Generation 2.

Topics:

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.

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Related Resources

For more information, see these Oracle resources:

- Oracle Integration documentation in the Oracle Cloud Library on the Oracle Help Center.
- Oracle Cloud at http://cloud.oracle.com.

Conventions

The following text conventions are used in this document.

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

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About This Recipe

Use this recipe to migrate integration artifacts (such as, integration flows, packages, connections, lookups, libraries, agent groups, and so on) between two Oracle Integration instances.

> **Note:**
>
> This recipe is available as **Instance A — Instance B | Migrate Integration Artifacts** in the Integration Store. Oracle provides this recipe as a sample only. The recipe is meant only for guidance, and is not warranted to be error-free. No support is provided for this recipe.

Overview

This recipe migrates integration artifacts (packages, integration flows, and associated resources) between two Oracle Integration instances. For example, you can use this recipe to migrate integration artifacts from the development environment to the testing environment.

The recipe performs the following tasks:

1. Checks the status of the source and target instances. If they are not reachable, the recipe terminates the migration process.
2. Executes a loop on the integration artifacts to migrate them if the instances are reachable.
3. Verifies if the corresponding package exists on the target instance. If not, the recipe creates a package on the target instance.
4. Exports integration artifacts from the source instance to the target instance.
5. Sends the migration report to the configured email address.

System and Access Requirements

- Oracle Integration Source Instance
- Oracle Integration Target Instance

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Install and Configure the Recipe

On your Oracle Integration instance, install the recipe package to deploy and configure the integration and associated resources.

1. On the Oracle Integration Home page, scroll to the **Accelerators & Recipes** section.
2. Click **Search All**.

   The list of available recipes is displayed.

3. Find and select the recipe package that you want to install, then click **Install**  .

   A message confirms that the recipe was successfully installed, and the recipe card shows **INSTALLED**.

4. After the package is installed, click **Configure**  on the recipe card.

   The Configuration Editor opens, displaying all the resources of the recipe package. Configure the following resources before you activate and run the recipe.

Configure the Oracle REST Connection (Trigger)

1. On the Configuration Editor page, select **Oracle REST Connection (Trigger)**.
2. Click **Edit**  .

   The connection configuration page appears.

3. In the Security section, select the Security Policy as either **OAuth2.0** or **Basic Authentication**.
4. Click **Save**. If prompted, click **Save** again.
5. Click **Test** to ensure that your connection is successfully configured. In the resulting dialog, click **Test** again.

   A message confirms if your test is successful.

6. To return to the Configuration Editor, click **Back**  . Click **Save** again if prompted.

Configure the Oracle REST Source Connection (Invoke)

1. On the Configuration Editor page, select **Oracle REST Source Connection (Invoke)**.
2. Click **Edit**  .

   The connection configuration page appears.

3. In the Connection Properties section, enter the following details:

Field	Information to Enter
Connection Type	Leave **REST API Base URL** selected.
Connection URL	Enter the Oracle Integration base URL of the source instance.

4. In the Security section, select the Security Policy as either **OAuth Client Credentials** or **OAuth Authorization Code Credentials**.
5. Click **Save**. If prompted, click **Save** again.
6. Click **Test** to ensure that your connection is successfully configured. In the resulting dialog, click **Test** again.

   A message confirms if your test is successful.
7. To return to the Configuration Editor, click **Back** . Click **Save** again if prompted.

Configure the Oracle REST Target Connection (Invoke)

1. On the Configuration Editor page, select **Oracle REST Target Connection (Invoke)**.
2. Click **Edit** .

   The connection configuration page appears.
3. In the Connection Properties section, enter the following details:

Field	Information to Enter
Connection Type	Leave **REST API Base URL** selected.
Connection URL	Enter the Oracle Integration base URL of target instance.

4. In the Security section, select the Security Policy as either **OAuth Client Credentials** or **OAuth Authorization Code Credentials**.
5. Click **Save**. If prompted, click **Save** again.
6. Click **Test** to ensure that your connection is successfully configured. In the resulting dialog, click **Test** again.

   A message confirms if your test is successful.
7. To return to the Configuration Editor, click **Back** . Click **Save** again if prompted.

Configure the Lookup Table

The recipe contains the **Oracle_Integration_Artifacts_Migration_Utility** lookup table. Edit the following keys as necessary.

- **IntegrationStatusAPI**: The API URL to check the status of the Oracle Integration instance.
- **EmailTo**: The email address to which the email notifications are sent. Enter an email address of your choice.
- **EmailFrom**: The email address from which the email notifications are sent. Enter an email address of your choice.

1. In the Configuration Editor, select the lookup table, then click **Edit**  .
2. Specify the values for **IntegrationStatusAPI**, **EmailTo**, and **EmailFrom** keys.
3. Click **Save**. If prompted, click **Save** again.
4. To return to the Configuration Editor, click **Back**  . Click **Save** again if prompted.

3 Activate and Run the Recipe

After you've configured the connections, you can activate and run the recipe.

1. In the Configuration Editor, click **Activate** in the title bar. In the Activate Package dialog, click **Activate** again.

   A message confirms that the integration has been activated. Refresh the page to view the updated status of the integration.

2. Run the recipe.

   a. On the Configuration Editor page, select the integration flow and click **Run**  , then click **Test**.

      The page to test the integration with a sample data is displayed.

   b. In the Request section, click **Body** and enter the payload with the following details:

Element	Value to Migrate Integrations	Value to Migrate Packages
artifactType	Enter `integrations`	Enter `packages`
code	Enter the integration identifier	Enter the name of the package
version	Enter the integration version. For example: 01.00.0000	Leave it blank

      For example:

```
{
  "artifact": [
    {
      "artifactType": "integrations",
      "code": "GETCURRENT",
      "version": "01.00.0000"
    },
    {
      "artifactType": "packages",
      "code": "com.text",
      "version": ""
    }
  ]
}
```

   c. Click **Test**.

      The integration flow now automatically migrates the integration artifacts form the source instance to the target instance. The Activity Stream pane appears displaying the status of the integration instance's execution.

   d. In the Response section of the test page, under the **Body** tab, you'll find a HTTP status code as **202 accepted**.

3. Log in to your target instance and check for the migrated integration artifacts.

Related Documentation

- *Using the REST Adapter with Oracle Integration Generation 2*