




INTEGRATION GUIDE | PUBLIC
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SAP S/4HANA Utilities Integration with SAP Commerce Cloud

Content

- 1 Document History. 3**
- 2 Introduction. 4**
- 3 Prerequisites. 5**
 - 3.1 Prerequisites of SAP S/4HANA Utilities. 5
 - Installing and Configuring SAP Multichannel Foundation for Utilities and Public Sector. 5
 - Configuring the Utilities Product Integration Layer. 5
 - Creating a Technical User of SAP Cloud Platform Integration. 6
 - Installing and Configuring SAP Cloud Connector. 6
 - 3.2 Prerequisites of SAP Cloud Platform Integration. 6
 - Creating a User with Basic Authentication to Access SAP Cloud Platform Integration. 7
 - Copying the Integration Package to Your Workspace. 9
 - Obtaining the Runtime URL from SAP Cloud Platform Integration. 9
- 4 Configuration. 11**
 - 4.1 Setting Up the *Read Commodity Product Configuration* Integration Flow. 11
 - Deploying and Configuring the Integration Flow in SAP Cloud Platform Integration. 12
 - Maintaining the Endpoint in SAP Commerce Cloud, Telco and Utilities Accelerator. 14
 - 4.2 Setting Up the *Read Reference Commodity Product* Integration Flow. 14
 - Deploying and Configuring the Integration Flow in SAP Cloud Platform Integration. 14
 - Maintaining the Endpoint in SAP Commerce Cloud, Telco and Utilities Accelerator. 16
 - 4.3 Setting Up the *Replicate Commodity Product* Integration Flow. 17
 - Deploying and Configuring the Integration Flow in SAP Cloud Platform Integration. 17
 - Maintaining the Endpoint in SAP Commerce Cloud, Telco and Utilities Accelerator. 19
- 5 Finishing the Setup. 20**
 - 5.1 Using the Monitor Application of SAP Cloud Platform Integration. 20
 - 5.2 Checking the Deployment Status of the Integration Flows. 20
- 6 Extensibility. 21**
 - 6.1 Extending an Integration Flow. 21
- 7 Support. 22**

1 Document History

You can find the latest version of this document by searching for the *SAP Commerce Cloud, Telco and Utilities Accelerator Integration with SAP S/4HANA Utilities* integration package on [SAP API Business Hub](#) .

i Note

Make sure that you selected the required version in the upper-right corner of the SAP Help Portal page.

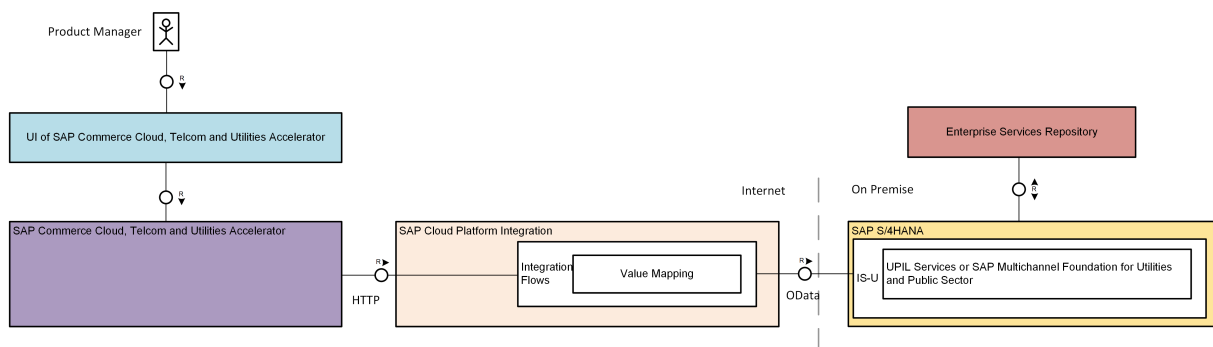
The following table provides an overview of the most important document changes:

Version	Date	Description
1.0	September 20, 2019	Initial version
1.1	September 20, 2019	Contains the addition of a landscape diagram and corrections to the titles of the integration content package and artifacts

2 Introduction

The purpose of this document is to describe the general configuration steps that are required to set up the integration between the telco and utilities accelerator of the SAP Commerce Cloud solution and the SAP S/4HANA Utilities solution of SAP S/4HANA 1909.

The following diagram provides an overview of the main components involved in the integration. The SAP Cloud Platform Integration service is used as a middleware between SAP S/4HANA Utilities and the accelerator. SAP Cloud Platform Integration is responsible for the account authentication with OAuth 2.0 and any other API communication routing between SAP S/4HANA Utilities and the accelerator.



Configuration

To set up this integration, you configure the following systems:

- SAP S/4HANA Utilities
- SAP Cloud Platform Integration
- SAP Commerce Cloud, telco and utilities accelerator

3 Prerequisites

3.1 Prerequisites of SAP S/4HANA Utilities

This chapter describes the prerequisite procedures of SAP S/4HANA Utilities that you complete before configuring the integration flows.

[Installing and Configuring SAP Multichannel Foundation for Utilities and Public Sector \[page 5\]](#)

Install and configure SAP Multichannel Foundation for Utilities and Public Sector to enable the use of the `SalesContract` OData entity and the `EndSalesContract` function import.

[Configuring the Utilities Product Integration Layer \[page 5\]](#)

Configure the Utilities Product Integration Layer (UPIIL) to prepare your billing master data, create a reference product, and then customize it.

[Creating a Technical User of SAP Cloud Platform Integration \[page 6\]](#)

Create a technical user for SAP Cloud Platform Integration to access the UPIIL and SAP Multichannel Foundation for Utilities and Public Sector.

[Installing and Configuring SAP Cloud Connector \[page 6\]](#)

Install and configure SAP Cloud Connector as an on-premise agent to enable communication between the on-premise network and SAP Cloud Platform Integration.

3.1.1 Installing and Configuring SAP Multichannel Foundation for Utilities and Public Sector

Install and configure SAP Multichannel Foundation for Utilities and Public Sector to enable the use of the `SalesContract` OData entity and the `EndSalesContract` function import.

To install and configure SAP Multichannel Foundation for Utilities and Public Sector, see the [Administrator's Guide for SAP for Utilities of SAP Multichannel Foundation for Utilities and Public Sector](#) on SAP Help Portal.

3.1.2 Configuring the Utilities Product Integration Layer

Configure the Utilities Product Integration Layer (UPIIL) to prepare your billing master data, create a reference product, and then customize it.

For information about configuring the UPIIL, see [Utilities Product Integration Layer](#) on SAP Help Portal.

3.1.3 Creating a Technical User of SAP Cloud Platform Integration

Create a technical user for SAP Cloud Platform Integration to access the UPIL and SAP Multichannel Foundation for Utilities and Public Sector.

Configure your user as UMC_AGENT. For more information, see [Business Process: Configure Co-Browsing](#) on SAP Help Portal.

3.1.4 Installing and Configuring SAP Cloud Connector

Install and configure SAP Cloud Connector as an on-premise agent to enable communication between the on-premise network and SAP Cloud Platform Integration.

For information about installing and configuring SAP Cloud Connector, see [Using SAP Cloud Connector with Cloud Integration Adapters](#) on SAP Help Portal.

3.2 Prerequisites of SAP Cloud Platform Integration

This chapter describes the prerequisite procedures of SAP Cloud Platform Integration that you complete before configuring the integration package.

[Creating a User with Basic Authentication to Access SAP Cloud Platform Integration \[page 7\]](#)

Create a user with basic authentication in SAP Cloud Platform Integration to enable communications coming from SAP S/4HANA Utilities to the integration flows.

[Copying the Integration Package to Your Workspace \[page 9\]](#)

Before you configure the integration flows of this integration package, copy it to your workspace.

[Obtaining the Runtime URL from SAP Cloud Platform Integration \[page 9\]](#)

Obtain the runtime URL from SAP Cloud Platform Integration to configure the Web services of this integration.

3.2.1 Creating a User with Basic Authentication to Access SAP Cloud Platform Integration

Create a user with basic authentication in SAP Cloud Platform Integration to enable communications coming from SAP S/4HANA Utilities to the integration flows.

Context

This user can be generic, and you can create an explicit SAP SCN user. SAP SCN has moved to the new [SAP Community](#). If you already configured one for use with, for example, the *SAP S/4HANA Integration with SAP Marketing Cloud* integration package, you can reuse it.

⚠ Caution

We recommend that you use the certificate-based authentication method. The basic authentication method, which consists of a username and a password, could lead to security vulnerabilities in a production environment.

Procedure

1. Log on to SAP Cloud Platform Cockpit.
2. Choose your environment.
3. In the *Security* dropdown menu, choose *Authorizations*.
4. Choose the *Groups* tab.
5. Maintain the SCN user.

i Note

To use an SCN user for basic authentication, the SCN user (P-user) must be added with the following roles to a user group of the *Authorization Management* section:

- `AuthGroup.IntegrationDeveloper`
- `AuthGroup.BusinessExpert`
- `esbmessagestorage.read`
- `ESBMessaging.send`

3.2.1.1 Adding the Data of a Technical Communication User to SAP Cloud Platform Integration

If you use basic authentication to add a technical communication user from SAP S/4HANA Utilities to SAP Cloud Platform Integration, store the credentials of the user in SAP Cloud Platform Integration. If you use certificate-based authentication, skip this procedure.

Context

Repeat this procedure for each technical communication user of your SAP S/4HANA Utilities system.

⚠ Caution

We recommend that you use the certificate-based authentication method. The basic authentication method, which consists of a username and a password, could lead to security vulnerabilities in a production environment.

Procedure

1. Log on to the Web UI of your SAP Cloud Platform Integration tenant.

🔗 Example

`https://<SAP Cloud Platform Integration tenant URL>/itspaces`

Using this example, you replace "<SAP Cloud Platform Integration tenant URL>" with the URL of your SAP Cloud Platform Integration tenant.

2. Choose *Monitor*.
3. Choose the *Security Material* tile.
4. Choose *Add* and then select *User Credentials*.
5. In the *Name* field, enter an identifier for this credential entry.
6. In the *Description* field, optionally, enter a description.
7. In the *User* field, enter the user alias of the technical communication user that you defined in SAP Marketing Cloud.
8. In the *Password* and *Repeat Password* fields, enter the password of the technical communication user.
9. Choose *OK*.

Related Information

[Creating a Technical User of SAP Cloud Platform Integration \[page 6\]](#)

3.2.2 Copying the Integration Package to Your Workspace

Before you configure the integration flows of this integration package, copy it to your workspace.

Procedure

1. Log on to the Web UI of your SAP Cloud Platform Integration tenant.

❖ Example

`https://<SAP Cloud Platform Integration tenant URL>/itspaces`

Using this example, you replace "<SAP Cloud Platform Integration tenant URL>" with the URL of your SAP Cloud Platform Integration tenant.

2. Choose *Discover*.
3. Choose *All*.
4. Search for the title of the integration package.
5. Copy the integration package from the catalog to your workspace.
 - a. Choose the integration package to open it.
 - b. Choose *Copy*.
6. Choose *Design*.
7. Ensure that the integration package is listed in the *Packages* table.

3.2.3 Obtaining the Runtime URL from SAP Cloud Platform Integration

Obtain the runtime URL from SAP Cloud Platform Integration to configure the Web services of this integration.

Procedure

1. Log on to the Web UI of your SAP Cloud Platform Integration tenant.

❖ Example

`https://<SAP Cloud Platform Integration tenant URL>/itspaces`

Using this example, you replace "<SAP Cloud Platform Integration tenant URL>" with the URL of your SAP Cloud Platform Integration tenant.

2. Choose *Monitor*.
3. In the *Manage Integration Content* section, choose the *Started* tile.

The list of active integration flows is displayed.

4. In the *Integration Content* table, choose one of the integration flows of this integration package.
5. Choose the *Endpoints* tab and then copy the runtime URL.

❁ Example

<https://...-filmap.hana.ondemand.com/...>

4 Configuration

This chapter describes the configuration procedures that are required to integrate the accelerator with SAP S/4HANA Utilities.

[Setting Up the Read Commodity Product Configuration Integration Flow \[page 11\]](#)

The accelerator uses the *Read Commodity Product Configuration* integration flow to read information of commodity product configurations such as discount items and value helps for product attribute values from SAP S/4HANA Utilities.

[Setting Up the Read Reference Commodity Product Integration Flow \[page 14\]](#)

The accelerator uses the *Read Reference Commodity Product* integration flow to read reference commodity products from SAP S/4HANA Utilities.

[Setting Up the Replicate Commodity Product Integration Flow \[page 17\]](#)

The accelerator uses the *Replicate Commodity Product* integration flow to replicate a commodity product as billing artifacts to SAP S/4HANA Utilities.

4.1 Setting Up the *Read Commodity Product Configuration Integration Flow*

The accelerator uses the *Read Commodity Product Configuration* integration flow to read information of commodity product configurations such as discount items and value helps for product attribute values from SAP S/4HANA Utilities.

Set up SAP Cloud Platform Integration and the accelerator to use this integration flow.

1. [Deploying and Configuring the Integration Flow in SAP Cloud Platform Integration \[page 12\]](#)
Deploy and configure the *Read Commodity Product Configuration* integration flow in SAP Cloud Platform Integration.
2. [Maintaining the Endpoint in SAP Commerce Cloud, Telco and Utilities Accelerator \[page 14\]](#)
To set up the accelerator to read commodity product configurations from SAP S/4HANA Utilities, maintain the endpoint of the *Read Commodity Product Integration* integration flow in the accelerator.

4.1.1 Deploying and Configuring the Integration Flow in SAP Cloud Platform Integration

Deploy and configure the [Read Commodity Product Configuration](#) integration flow in SAP Cloud Platform Integration.

Prerequisites

You copied the [SAP Commerce Cloud, Telco and Utilities Accelerator Integration with SAP S/4HANA Utilities](#) integration package to your workspace. For more information, see [Copying the Integration Package to Your Workspace \[page 9\]](#).

Context

This integration flow is delivered as part of the [SAP Commerce Cloud, Telco and Utilities Accelerator Integration with SAP S/4HANA Utilities](#) integration package.

Procedure

1. Log on to the Web UI of your SAP Cloud Platform Integration tenant.

❖ Example

`https://<SAP Cloud Platform Integration tenant URL>/itspaces`

Using this example, you replace "<SAP Cloud Platform Integration tenant URL>" with the URL of your SAP Cloud Platform Integration tenant.

2. Choose [Design](#).
3. Choose the integration package that you copied to your workspace.
4. Choose the [Artifacts](#) tab.

An overview of the artifacts that are available in the selected integration package is displayed.

5. For the [Read Commodity Product Configuration](#) artifact, choose the corresponding [Actions](#) dropdown menu and then choose [Configure](#).
6. Choose the [Sender](#) tab and then configure as follows:

i Note

The [Sender](#) tab corresponds to SAP S/4HANA Utilities, and the [Receiver](#) tab corresponds to SAP Commerce Cloud.

- a. In the [Sender](#) dropdown menu, select [SAPCommerce](#).

- b. In the *Adapter Type* dropdown menu, select *HTTP*.
- c. In the *Address* field, enter the relative path that you will use to expose this integration flow. This path must be unique to your SAP Cloud Platform Integration tenant.
- d. In the *Authorization* dropdown menu, select *User Role* or *Client Certificate*.

i Note

If you select *Client Certificate*, choose *Select* and then select the sender client certificate on your local file system. For more information, see [Exporting Client Certificates](#) and [Setting Up Inbound HTTP Connections \(with Client Certificate Authentication\)](#) on SAP Help Portal.

- 7. Choose the *Receiver* tab and then configure as follows:
 - a. In the *Receiver* dropdown menu, select *S4UtilsOnPrem*.
 - b. In the *Adapter Type* dropdown menu, select *OData*.
 - c. In the *Address* field, enter `https://<host>:<port>/sap/opu/odata/sap/ISU_UPIL_SRV`.

i Note

In the above address, replace `<host>` and `<port>` with your SAP Cloud Connector host and port respectively.

- d. Choose the *Credential Name* for authentication.

Example

hcitester

- 8. Return to the *Artifacts* tab.
- 9. For the *Read Commodity Product Configuration* artifact, choose the corresponding *Actions* dropdown menu and then choose *Deploy*.

A message is displayed informing you that the integration flow is triggered for deployment.

- 10. Wait until a subsequent message is displayed informing you that the integration flow is successfully deployed.

Task overview: [Setting Up the Read Commodity Product Configuration Integration Flow \[page 11\]](#)

Next: [Maintaining the Endpoint in SAP Commerce Cloud, Telco and Utilities Accelerator \[page 14\]](#)

Related Information

[Creating a User with Basic Authentication to Access SAP Cloud Platform Integration \[page 7\]](#)

4.1.2 Maintaining the Endpoint in SAP Commerce Cloud, Telco and Utilities Accelerator

To set up the accelerator to read commodity product configurations from SAP S/4HANA Utilities, maintain the endpoint of the *Read Commodity Product Integration* integration flow in the accelerator.

The request type of the sender, the accelerator, is HTTPS.

Parent topic: [Setting Up the Read Commodity Product Configuration Integration Flow \[page 11\]](#)

Previous task: [Deploying and Configuring the Integration Flow in SAP Cloud Platform Integration \[page 12\]](#)

4.2 Setting Up the *Read Reference Commodity Product Integration Flow*

The accelerator uses the *Read Reference Commodity Product* integration flow to read reference commodity products from SAP S/4HANA Utilities.

Set up SAP Cloud Platform Integration and the accelerator to use this integration flow.

1. [Deploying and Configuring the Integration Flow in SAP Cloud Platform Integration \[page 14\]](#)
Deploy and configure the *Read Reference Commodity Product* integration flow.
2. [Maintaining the Endpoint in SAP Commerce Cloud, Telco and Utilities Accelerator \[page 16\]](#)
To set up the accelerator to read reference commodity products from SAP S/4HANA Utilities, maintain the endpoint of the *Read Reference Commodity Product* integration flow in the accelerator.

4.2.1 Deploying and Configuring the Integration Flow in SAP Cloud Platform Integration

Deploy and configure the *Read Reference Commodity Product* integration flow.

Prerequisites

You copied the *SAP Commerce Cloud, Telco and Utilities Integration with SAP S/4HANA Utilities* integration package to your workspace. For more information, see [Copying the Integration Package to Your Workspace \[page 9\]](#).

Context

This integration flow is delivered as part of the *SAP Commerce Cloud, Telco and Utilities Accelerator Integration with SAP S/4HANA Utilities* integration package.

Procedure

1. Log on to the Web UI of your SAP Cloud Platform Integration tenant.

Example

`https://<SAP Cloud Platform Integration tenant URL>/itspaces`

Using this example, you replace "<SAP Cloud Platform Integration tenant URL>" with the URL of your SAP Cloud Platform Integration tenant.

2. Choose *Design*.
3. Choose the integration package that you copied to your workspace.
4. Choose the *Artifacts* tab.

An overview of the artifacts that are available in the selected integration package is displayed.

5. For the *Read Reference Commodity Product* artifact, choose the corresponding *Actions* dropdown menu and then choose *Configure*.
6. Choose the *Sender* tab and then configure as follows:

Note

The *Sender* tab corresponds to SAP S/4HANA Utilities, and the *Receiver* tab corresponds to SAP Commerce Cloud.

- a. In the *Sender* dropdown menu, select *SAPCommerce*.
- b. In the *Adapter Type* dropdown menu, select *HTTP*.
- c. In the *Address* field, enter the relative path that you will use to expose this integration flow. This path must be unique to your SAP Cloud Platform Integration tenant.
- d. In the *Authorization* dropdown menu, select *User Role* or *Client Certificate*.

Note

If you select *Client Certificate*, choose *Select* and then select the sender client certificate on your local file system. For more information, see [Exporting Client Certificates](#) and [Setting Up Inbound HTTP Connections \(with Client Certificate Authentication\)](#) on SAP Help Portal.

7. Choose the *Receiver* tab and then configure as follows:
 - a. In the *Receiver* dropdown menu, select *S4UtilsOnPrem*.
 - b. In the *Adapter Type* dropdown menu, select *OData*.
 - c. In the *Address* field, enter `https://<host>:<port>/sap/opu/odata/sap/ISU_UPIIL_SRV`.

i Note

In the above address, replace `<host>` and `<port>` with your SAP Cloud Connector host and port respectively.

- d. Choose the *Credential Name* for authentication.

❖ Example

```
hcritester
```

8. Return to the *Artifacts* tab.
9. For the *Read Reference Commodity Product* artifact, choose the corresponding *Actions* dropdown menu and then choose *Deploy*.

A message is displayed informing you that the integration flow is triggered for deployment.
10. Wait until a subsequent message is displayed informing you that the integration flow is successfully deployed.

Task overview: [Setting Up the Read Reference Commodity Product Integration Flow \[page 14\]](#)

Next: [Maintaining the Endpoint in SAP Commerce Cloud, Telco and Utilities Accelerator \[page 16\]](#)

Related Information

[Creating a User with Basic Authentication to Access SAP Cloud Platform Integration \[page 7\]](#)

4.2.2 Maintaining the Endpoint in SAP Commerce Cloud, Telco and Utilities Accelerator

To set up the accelerator to read reference commodity products from SAP S/4HANA Utilities, maintain the endpoint of the *Read Reference Commodity Product* integration flow in the accelerator.

The request type of the sender, the accelerator, is HTTPS.

Parent topic: [Setting Up the Read Reference Commodity Product Integration Flow \[page 14\]](#)

Previous task: [Deploying and Configuring the Integration Flow in SAP Cloud Platform Integration \[page 14\]](#)

4.3 Setting Up the *Replicate Commodity Product* Integration Flow

The accelerator uses the *Replicate Commodity Product* integration flow to replicate a commodity product as billing artifacts to SAP S/4HANA Utilities.

Set up SAP Cloud Platform Integration and the accelerator to use this integration flow.

1. [Deploying and Configuring the Integration Flow in SAP Cloud Platform Integration \[page 17\]](#)
Deploy and configure the *Replicate Commodity Product* integration flow.
2. [Maintaining the Endpoint in SAP Commerce Cloud, Telco and Utilities Accelerator \[page 19\]](#)
To set up the accelerator to replicate commodity products to SAP S/4HANA Utilities, maintain the endpoint of the *Replicate Commodity Product* integration flow in the accelerator.

4.3.1 Deploying and Configuring the Integration Flow in SAP Cloud Platform Integration

Deploy and configure the *Replicate Commodity Product* integration flow.

Prerequisites

You copied the *SAP Commerce Cloud, Telco and Utilities Accelerator Integration with SAP S/4HANA Utilities* integration package to your workspace. For more information, see [Copying the Integration Package to Your Workspace \[page 9\]](#).

Context

This integration flow is delivered as part of the *SAP Commerce Cloud, Telco and Utilities Accelerator Integration with SAP S/4HANA Utilities* integration package.

Procedure

1. Log on to the Web UI of your SAP Cloud Platform Integration tenant.

Example

`https://<SAP Cloud Platform Integration tenant URL>/itspaces`

Using this example, you replace "<SAP Cloud Platform Integration tenant URL>" with the URL of your SAP Cloud Platform Integration tenant.

2. Choose *Design*.
3. Choose the integration package that you copied to your workspace.
4. Choose the *Artifacts* tab.

An overview of the artifacts that are available in the selected integration package is displayed.

5. For the *Replicate Commodity Product* artifact, choose the corresponding *Actions* dropdown menu and then choose *Configure*.
6. Choose the *Sender* tab and then configure as follows:

i Note

The *Sender* tab corresponds to SAP S/4HANA Utilities, and the *Receiver* tab corresponds to SAP Commerce Cloud.

- a. In the *Sender* dropdown menu, select *SAPCommerce*.
- b. In the *Adapter Type* dropdown menu, select *HTTP*.
- c. In the *Address* field, enter the relative path that you will use to expose this integration flow. This path must be unique to your SAP Cloud Platform Integration tenant.
- d. In the *Authorization* dropdown menu, select *User Role* or *Client Certificate*.

i Note

If you select *Client Certificate*, choose *Select* and then select the sender client certificate on your local file system. For more information, see [Exporting Client Certificates](#) and [Setting Up Inbound HTTP Connections \(with Client Certificate Authentication\)](#) on SAP Help Portal.

7. Choose the *Receiver* tab and then configure as follows:
 - a. In the *Receiver* dropdown menu, select *S4UtilsOnPrem*.
 - b. In the *Adapter Type* dropdown menu, select *OData*.
 - c. In the *Address* field, enter `https://<host>:<port>/sap/opu/odata/sap/ISU_UPIL_SRV`.

i Note

In the above address, replace `<host>` and `<port>` with your SAP Cloud Connector host and port respectively.

- d. Choose the *Credential Name* for authentication.

Example

```
hcitester
```

8. Return to the *Artifacts* tab.
9. For the *Replicate Commodity Product* artifact, choose the corresponding *Actions* dropdown menu and then choose *Deploy*.

A message is displayed informing you that the integration flow is triggered for deployment.

10. Wait until a subsequent message is displayed informing you that the integration flow is successfully deployed.

Task overview: [Setting Up the Replicate Commodity Product Integration Flow \[page 17\]](#)

Next: [Maintaining the Endpoint in SAP Commerce Cloud, Telco and Utilities Accelerator \[page 19\]](#)

Related Information

[Creating a User with Basic Authentication to Access SAP Cloud Platform Integration \[page 7\]](#)

4.3.2 Maintaining the Endpoint in SAP Commerce Cloud, Telco and Utilities Accelerator

To set up the accelerator to replicate commodity products to SAP S/4HANA Utilities, maintain the endpoint of the *Replicate Commodity Product* integration flow in the accelerator.

The request type of the sender, the accelerator, is HTTPS.

Parent topic: [Setting Up the Replicate Commodity Product Integration Flow \[page 17\]](#)

Previous task: [Deploying and Configuring the Integration Flow in SAP Cloud Platform Integration \[page 17\]](#)

5 Finishing the Setup

5.1 Using the Monitor Application of SAP Cloud Platform Integration

You can use the *Monitor* application of SAP Cloud Platform Integration to monitor and troubleshoot replication requests from SAP Cloud Platform Integration.

Procedure

1. Log on to the Web UI of your SAP Cloud Platform Integration tenant.

❖ Example

`https://<SAP Cloud Platform Integration tenant URL>/itspaces`

Using this example, you replace "<SAP Cloud Platform Integration tenant URL>" with the URL of your SAP Cloud Platform Integration tenant.

2. Choose *Monitor*.
3. In the *Monitor Message Processing* section, choose *All Integration Flows*.

5.2 Checking the Deployment Status of the Integration Flows

If an error occurs during deployment, SAP Cloud Platform Integration halts the deployment of your integration flows. Verify that your integration flows are deployed.

Procedure

1. Log on to SAP Cloud Platform Integration.
2. Choose *Monitor*.
3. In the *Manage Integration Content* section, choose *All* to display all of the artifacts regardless of their deployment status.
4. Verify that your integration flows are deployed.

6 Extensibility

6.1 Extending an Integration Flow

Customize the flow of data that is integrated between the accelerator and SAP S/4HANA Utilities to fit your business needs by extending an integration flow.

Context

To reflect the changes that you made to any OData service, update the corresponding integration flow in SAP Cloud Platform Integration.

Procedure

1. Log on to the Web UI of your SAP Cloud Platform Integration tenant.

Example

`https://<SAP Cloud Platform Integration tenant URL>/itspaces`

Using this example, you replace "<SAP Cloud Platform Integration tenant URL>" with the URL of your SAP Cloud Platform Integration tenant.

2. Navigate to the integration flow that corresponds to the modified service and then choose it.
 - a. Choose *Design*.
 - b. Choose the *SAP Commerce Cloud, Telco and Utilities Accelerator Integration with SAP S/4HANA Utilities* integration package.
 - c. Choose the *Artifacts* tab.
 - d. Choose an integration flow.
3. Choose *Edit*.
4. Customize the integration flow by, for example, changing the message mapping or triggering an extra request.
5. Navigate back to the integration flow and then choose *Save*.
6. Choose *Deploy*.

7 Support



Use SAP Support Portal at <https://support.sap.com> to report a technical problem with the configuration tasks that you performed. Use the IS-U-BI-PI component to specify the notification.

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