

# SAP to Salesforce1 Quick Start Bundle

# Abstract

This document describes how to use the SAP to Salesforce1 Quick Start bundle with Informatica Cloud.

# Supported Versions

- Informatica Cloud Spring 2014

# Table of Contents

Overview. . . . .	2
Installing the Bundle. . . . .	2
Prerequisites. . . . .	3
SAP to Salesforce1 Account Sync Integration Template. . . . .	3
Sample File. . . . .	3
Template Parameters. . . . .	3
Configuring the Mapping Configuration Task. . . . .	4
Additional Information. . . . .	4
BAPI Return Data. . . . .	4
Integration ID Field. . . . .	5
BAPI Internal and External Data Formats. . . . .	5
SAP Documentation. . . . .	5
Informatica Global Customer Support. . . . .	5

# Overview

Use the SAP to Salesforce1 Quick Start bundle to integrate SAP and Salesforce data.

A bundle is a set of prebuilt integration templates that you run through mapping configuration tasks. Bundles improve development productivity and enhance the quality of integration projects.

The SAP to Salesforce1 Quick Start bundle includes the following integration template:

## SAP to Salesforce1 Account Sync

Integrates SAP customer data with Salesforce account data.

For more information about integration templates or other Informatica Cloud functionality, see the *Informatica Cloud User Guide* or online help.

# Installing the Bundle

The SAP to Salesforce1 Quick Start bundle displays as an available bundle in your organization. To view and install the bundle, click **Administration > Available Bundles**.

After you install the bundle, you can use the integration templates in the bundle.

## Prerequisites

Before you use the SAP to Salesforce1 Quick Start bundle, verify the following prerequisites:

- Informatica Cloud Standard Edition
- Salesforce account and Salesforce connection
- SAP Informatica Cloud Connector license
- SAP connection configured with an SAP user account with privileges to run the BAPI

## SAP to Salesforce1 Account Sync Integration Template

Use the SAP to Salesforce1 Account Sync integration template to integrate SAP customer records with Salesforce account data.

The template reads account numbers from a source file, and then passes customer account numbers to the SAP BAPI\_CUSTOMER\_GETDETAIL2 BAPI.

The BAPI returns SAP customer details associated with the account numbers and writes the data to the Salesforce Account object.

The BAPI can return the following information:

- Customer address data
- Information about the company accessible by a company code
- Additional data available about the customer

When you configure the mapping configuration task, you can specify the SAP BAPI return data that you want to write to the target.

You can configure the task to insert or upsert target data. To upsert target data, configure an external ID field for the Salesforce Account object.

**Note:** If needed, create a source file for the account numbers that you want to use. You might use an Informatica Cloud data synchronization task or an SAP SE16 transaction to create the source file.

## Sample File

You can reference the following sample source file for this template: SAP\_CustomerList.txt.

The file shows the structure to use for the source file. You can replace the data in the file with the customer numbers that you want to use.

## Template Parameters

The following table describes the parameters in the template:

Parameter Label	Description
Customer List	Flat file source connection and source file with account numbers.
Salesforce1 Account	Salesforce connection and Account target object.
SAP Connection	SAP connection to access SAP customer data.

Parameter Label	Description
SAP Inputs	Field mapping from the source file to the SAP BAPI. To insert and upsert data, map the account number source field to the following fields: - SI_Integration_Id - SI_CUSTOMERNO
Map to Salesforce1 Account	Field mapping from the SAP BAPI to the target. The field mapping includes mapped fields that you can update. To upsert data to Salesforce, map the SAP SO_CUSTOMERADDRESS_CUSTOMER field to the external ID field for the target.

## Configuring the Mapping Configuration Task

After you import the template to your organization, you can use it in a mapping configuration task.

To create a task, use the Mapping Configuration Task wizard.

1. On the **Definition** page, select the integration template.
2. On the **Sources** page, select a flat file source connection and the source file.
3. On the **Targets** page, perform the following steps:
  - a. Select a Salesforce connection and click **Advanced**.
  - b. In the **Advanced Target Attributes** dialog box, select **Treat Insert as Upsert** and click **OK**.
  - c. Select the **Account** object.
4. On the **Other Parameters** page, perform the following steps:
  - a. Select an SAP connection to access the SAP BAPI.
  - b. In the field mappings from the source to the SAP BAPI, connect the account number source field to the following SAP BAPI fields:
    - SI\_Integration\_Id
    - SI\_CUSTOMERNO
  - c. In the field mappings from the SAP BAPI to the target, connect the SAP SO\_CUSTOMERADDRESS\_CUSTOMER field to the external ID field for the Account object. You can also add or update default field mappings.

## Additional Information

When you use bundle templates, consider BAPI processing and integration template requirements.

### BAPI Return Data

Each BAPI used in the bundle returns the SAP BAPIRETURN parameter. The BAPIRETURN parameter contains success messages or error messages for the BAPI. Based on the SAP R/3 version, it uses one of the following dictionary structures: BAPIRETURN, BAPIRETURN1, BAPIRET1, BAPIRET2 or BAPIRET2\_FIX.

BAPIRETURN dictionary structures include the following fields:

- TYPE. Message type. Uses one of the following codes: S (success), E (error), W (warning), I (information).

- ID. Message class.
- NUMBER. Message number.
- MESSAGE. Message text.
- The following message variables: MESSAGE\_V1, MESSAGE\_V2, MESSAGE\_V3, and MESSAGE\_V4.

When a transmission is successful, the BAPI returns the following results:

- RETURN is empty. All the fields have their initial fields for their types.
- TYPE field has the value S.

### *Integration ID Field*

Each BAPI used the bundle includes an Integration ID input and output field. The Integration ID field is a key field in the BAPI transformation. The Integration ID controls the boundaries of a single transaction and ensures data integrity.

When you configure a task, map a primary key field from the source to the Integration ID input field. Connecting the Integration ID output field is recommended, but not required.

**Note:** You must map the Integration ID input field even when a BAPI does not require other input fields.

### *BAPI Internal and External Data Formats*

SAP uses internal and external data formats. Use the SAP internal data format when you integrate data with BAPI/RFC from an external system like Informatica Cloud. For example, the internal date format is *YYYYMMDD*, where *YYYY* represents the year, *MM* represents the month, and *DD* represents the day.

Most key fields require additional padding. For example, to pass a customer number of 2200, use 0000002200.

You can view the internal data formats in the SE17 transaction. Some exceptions might apply. For more information about BAPI internal and external data formats, see the SAP BAPI documentation.

### *SAP Documentation*

For more information about the BAPI that you want to use, enter the BAPI function module name into the relevant SAP transaction, such as SE37 or SE80.

You can also test individual BAPIs in these transactions to better understand the input and output field mappings.

## **Informatica Global Customer Support**

You can contact a Customer Support Center by telephone or online.

For online support, click Submit Support Request in the Informatica Cloud application. You can also use Online Support to log a case. Online Support requires a login. You can request a login at <https://mysupport.informatica.com>.

The telephone numbers for Informatica Global Customer Support are available from the Informatica web site at <http://www.informatica.com/us/services-and-training/support-services/global-support-centers/>.

## **Author**

**Informatica Cloud Documentation**