

PROCLANE

SAP ERP Integration with Salesforce Configuration Guide

presented by:

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Reviewed Versions

Name	Version
SAP ERP	6.0 (EHP 6)
Salesforce Edition	Enterprise Edition (API-Version 51.0)
Package	1.0.0

1. Salesforce Configuration

1.1 Enable API Access

In the first place we need to create an access to our Salesforce, therefore we need to register an app in Salesforce (Build > Create > App > New Connected App). Grant the OAuth Scopes “Full access (full)”.

Connected App Name
CPI

Save Cancel

Basic Information

Connected App Name: [CPI]
 API Name: [CPI]
 Contact Email: [rene.kramp@proclane.com]
 Contact Phone: []
 Logo Image URL: [Upload logo image or Choose one of our sample logos]
 Icon URL: [Choose one of our sample logos]
 Info URL: []
 Description: []

API (Enable OAuth Settings)

Enable OAuth Settings:
 Enable for Device Flow:
 Callback URL: [https://login.salesforce.com/services/oauth2/callback]
 Use digital signatures:
 Selected OAuth Scopes:

Available OAuth Scopes	Selected OAuth Scopes
--None-- []	Access Pardot services (pardot_api) Access and manage your Chatter data (chatter_api) Access and manage your Eclair data (eclair_api) Access and manage your Wave data (wave_api) Access and manage your data (api) Access custom permissions (custom_permissions) Access your basic information (id, profile, email, address, phone) Allow access to Lightning applications (lightning) Allow access to content resources (content) Allow access to your unique identifier (openid)

Add
 Remove

Require Secret for Web Server Flow
 Require Secret for Refresh Token Flow
 Introspect All Tokens
 Configure ID Token
 Enable Asset Tokens
 Enable Single Logout

1.2 Configure API Access

Subsequently we need to change policies for the created app.

(Build > Create > App > Manage the app we created > Edit Policies)

OAuth Policies

Permitted Users: [All users may self-authorize]
 Enable Single Logout:

IP Relaxation: [Relax IP restrictions]
 Refresh Token Policy: Refresh token is valid until revoked
 Immediately expire refresh token
 Expire refresh token if not used for [] Day(s)
 Expire refresh token after [] Day(s)

Permit all users for self-authorization and relax IP restrictions.

2. Prerequisite in SAP

First of all, a logical system needs to be created (BD54). Subsequently, an RFC connection must be set up (SM59) for each master data. Create a HTTP-Connection to ext. Server with (Type G), address your CloudIntegrationTenant + /customer and CloudIntegrationTenant + /material. Set your preferred authorization.

In addition, we have to set up a port (WE21) of Type XML-HTTP. Name the port and refer to the RFC connection we just created.

3. Integration Flow Configuration

3.1 Configure Sub Processes

Within the SAP Cloud Integration, we need to configure each integration flow. For a flawless integration it is important to configure and instantiate the sub process integration flows first.

We start to configure the **Sub Process for retrieving access tokens from Salesforce Integration Flow**.

Configure "Sub Process for retrieving access tokens from Salesforce"

Receiver More

Connection

Receiver:

Adapter Type:

Address:

Salesforce Tenant:

Receiver **More**

Type:

Client ID:

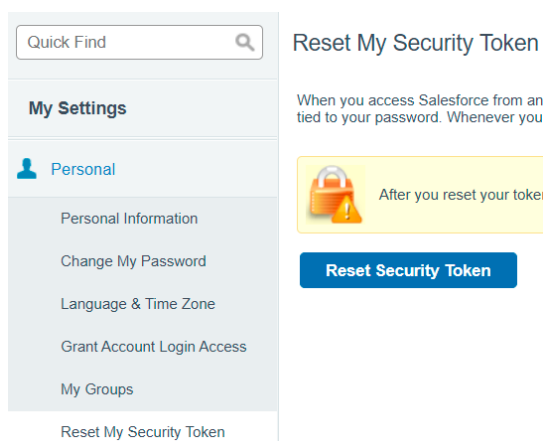
Client Secret:

Password:

Security Token:

Username:

Client ID and Client Secret can be found in the app section of Salesforce as Consumer Key and Consumer Secret. The username und password are the Salesforce login credentials. The Security Token is provided by email and can be reset in the personal setting section:



After we provided all mandatory parameters, we can deploy the integration flow. For our **Sub Process for processing requests to Salesforce** we have to provide an SMTP-Server.

Receiver

Receiver:

Adapter Type:

Connection

Address:

Processing

From:

To:

In case of an error the email address will be notified.

3.2 Configure Main Processes

Last but not least the main integration flows have to be configured, for the main integration flows the configuration does not differ, we only have to provide our Salesforce tenant.

Sender **More**

Type:

Salesforce Tenant:

Nevertheless, we will be able to specify address, user role and xml character handling.

Sender More

Sender:

Adapter Type:

Connection

Address:

User Role:

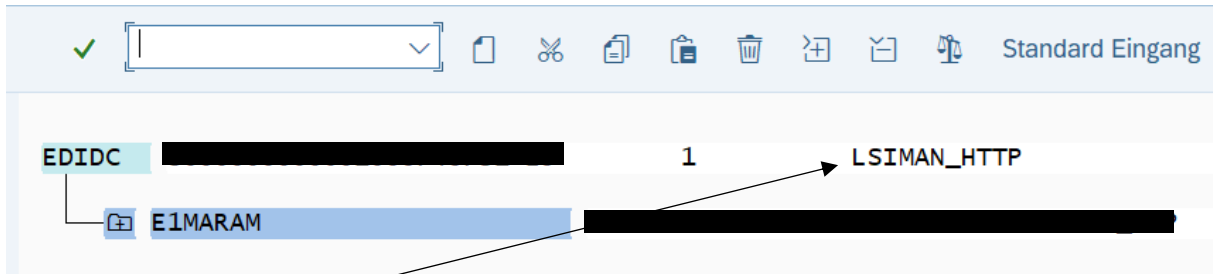
Processing

Invalid XML Character Handling:

Configure and deploy for each Customer Master Data and Material Master Data.

4. Sending IDocs to SAP Cloud Integration

After everything is configured and deployed, we are able to send IDocs to our Salesforce. Use Transaction WE19 and look up for an existing DEBMAS/MATMAS.



Click on your partner number and change the receiver port to the port we have configured in section 2. Afterwards press F7 to send the IDoc.