

**Set-Up Instructions**  
English

**CUSTOMER**

# Integrate your mailbox with Business Entity Recognition

# Typographic Conventions

Type Style	Description
<i>Example</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Textual cross-references to other documents.
<b>Example</b>	Emphasized words or expressions.
EXAMPLE	Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.
Example	Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
<b>Example</b>	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE	Keys on the keyboard, for example, <b>F2</b> or <b>ENTER</b> .

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# Document History

Revision	Date	Change
1.0	2021-04-21	Initial Draft

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# Table of Contents

1	Purpose	5
2	Prerequisites	6
3	Configuration	7
3.1	OAuth2 Client Credentials Setup	7
3.2	Integration Flow Configuration	9
4	Appendix	12
4.1	Ticket Component	12

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# 1 Purpose

This document describes additional configuration steps that have to be carried out by customers to integrate a mailbox with Business Entity Recognition Service. As these configuration steps are customer-specific, they can't be delivered by SAP and must be carried out by the customer.

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## 2 Prerequisites

The customer has purchased the license of Business Entity Recognition Service and an SAP Cloud Integration tenant is available. The customer has deployed a User Credentials artifact that contains user name and password used to authenticate at the e-mail account (see [SAP Help Portal](#)). The Business Entity Recognition service key JSON file is available (see [SAP Help Portal](#)).

# 3 Configuration

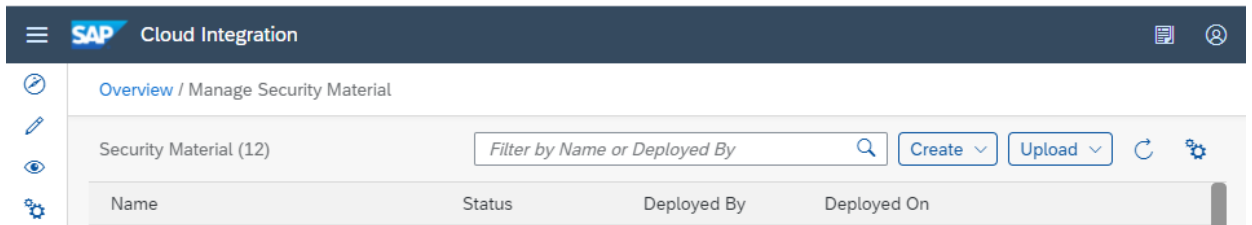
## 3.1 OAuth2 Client Credentials Setup

### Use

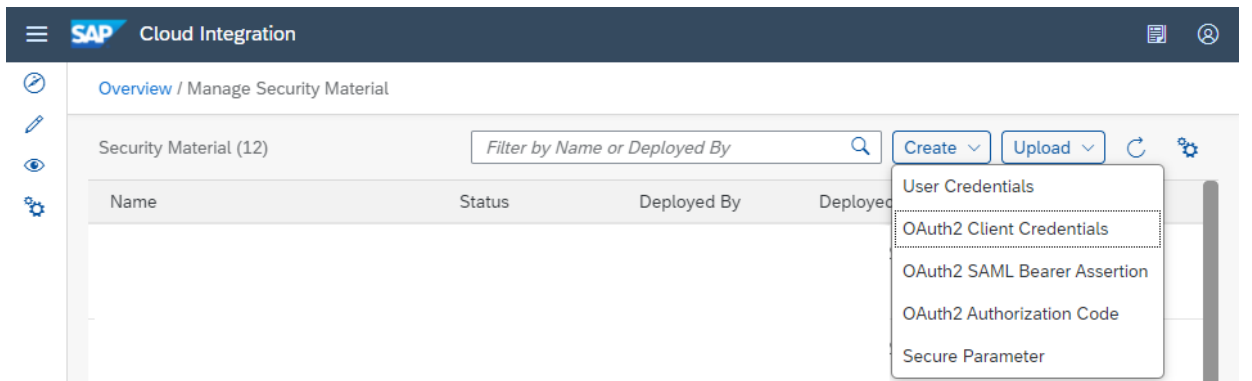
This step needs you to access [Manage Security Material](#) in order to create a new OAuth2 Client Credentials for Business Entity Recognition Service integration.

### Procedure

1. Go to [Manage Security Material](#) section of Cloud Integration.



2. Click [Create](#) and select OAuth2 Client Credentials



3. Add OAuth2 Client Credentials with the following settings and click *Deploy*

Name	Description
Name	Enter a name
Token Service URL	Enter the <b>&lt;url&gt;</b> from Business Entity Recognition service key JSON file. Add <i>/oauth/token</i> at the end.
Client ID	Enter the <b>&lt;clientid&gt;</b> from Business Entity Recognition service key JSON file.
Client Secret	Enter the <b>&lt;clientsecret&gt;</b> from Business Entity Recognition service key JSON file

### Create OAuth2 Credentials

Name: \*

Grant Type: Client Credentials ▼

Description:

Token Service URL: \*

Client ID: \*

Client Secret: \*

Client Authentication: Send as Request Header ▼

Include Scope:

[Deploy](#) [Cancel](#)

```

... "url": "
... "uaa": {
...   "clientid": "
...   "clientsecret": "
...   "url": "
... },
... "swagger": "/api/v1"
  
```



## 3.2 Integration Flow Configuration

### Use

Once OAuth2 Credentials is created, SAP AI Business Services Business Entity Recognition Integration with Email Server can be further configured.

### Procedure

1. In the *Sender* section, configure the setting of your e-mail box where the e-mails arrive

Name	Description	Source: <a href="#">SAP Help Portal</a>
Address	Specifies the host name or address of the IMAP server	
Proxy Type	The type of proxy that you're using to connect to the target system. Default: Internet	
Protection	Specifies the method to use to establish an encrypted (secure) connection. Default: IMAPS	
Authentication	Specifies which mechanism is used to protect user name and password combination. Default: Encrypted User/Password	
Credential Name	Specifies the name of the User Credentials artifact that contains user name and password (used to authenticate at the e-mail account).	
Folder	Specify the folder containing the mails to be read.	

**Sender**   Receiver   More

Sender:

Adapter Type:

**Connection**

Address:

Proxy Type:

Protection:

Authentication:

Credential Name:

**Processing**

Folder:

- In the *Receiver* section, configure one of the Receivers FinalStatusEmail, POSTProcessFailedMail and GETProcessFailedMail (configurations will be copied)

Sender **Receiver** More

Receiver: FinalStatusMail

Adapter Type: POSTProcessFailedMail

**Connection**

Address: FinalStatusMail

Proxy Type: GETProcessFailedMail

Internet

Name	Description	Source: <a href="#">SAP Help Portal</a>
Address	Specifies the host name and (optionally) a port number of the SMTP server.	
Proxy Type	The type of proxy that you're using to connect to the target system. Default: Internet	
Protection	Defines whether encryption is used. Default: STARTTLS Mandatory	
Authentication	Specifies which mechanism is used to authenticate against the server with a user name and password combination. Default: Plain User/Password	
Credential Name	Specifies the name of a deployed credential to use for authentication.	
From	E-mail address that the response message comes from.	

Sender **Receiver** More

Receiver: FinalStatusMail

Adapter Type: Mail

**Connection**

Address:

Proxy Type: Internet

Protection: STARTTLS Mandatory

Authentication: Plain User/Password

Credential Name:

**Processing**

From:

3. In the *More* section, configure the following parameters

Name	Description
BER Client Credentials	The credential name of the OAuth2 Client Credentials created in chapter 3.1
BER Model Name	The model to be used for inference. It can be either a pre-trained model or a custom model. The possible values for a pre-trained model are as follows: sap_email_business_entity sap_invoice_header
BER Model Version	The version of the model to be used for inference
BER Service Url	The url from Business Entity Recognition service key JSON file. Add <a href="#">/api/v1/inference/jobs</a> at the end  <pre> {   "url": " ",   "uaa": {     "clientid": " ",     "clientsecret": " ",     "url": " "   },   "swagger": "/api/v1" } </pre>

Sender   Receiver   **More**

Type:

BER Client Credentials:

BER Model Name:

BER Model Version:

BER Service Url:

4. *Save* and *Deploy* the Integration Flow.

---

## 4 Appendix

### 4.1 Ticket Component

In case of issues during the configuration, open an SAP support ticket for the following component.

Implementation Step	Component	Comment
3.1	LOD-HCI-PI	Integration Suite
3.2	CA-ML-BER	Business Entity Recognition





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