

Step 8 - Postman Error

Background

Reference - SAP User ID types

<https://help.sap.com/viewer/d95546360fea44988eb614718ff7e959/Cloud/en-US/aa45631674e549b29e838c37734cbead.html>

The SAP Cloud Platform default Identity Provider (IdP) is the SAP ID Service.

- D-User: Germany based SAP Employee
- I-User: International based SAP Employees - **used in this tutorial**
- C-User: SAP Contractors
- S-User: Licensed Customers or SAP Partners
- P-User: Public SAP users - **my user id**

Process Integration Runtime Instance

Created in tutorial exercise:

<https://developers.sap.com/tutorials/cp-starter-integration-cpi-onboard-subscribe.html>

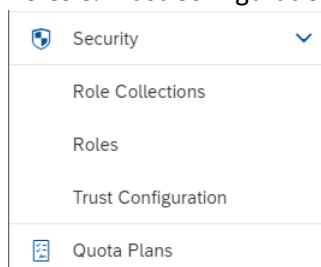
Runtime instance has:

"roles": ["ESBMessaging.send"]

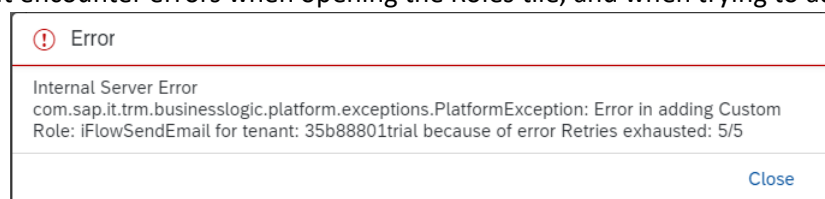
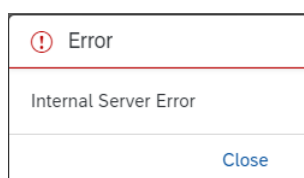
User Role ESBMessaging.send

There appears to be now way for myself as a Public "P" user to set this.

- [Defining Permissions for Senders to Process Messages on a Runtime Node](#) - in Cloud Foundry subaccount access Security > Authorizations to assign ESBMessaging.send role to a user ID
Problem with this approach is the only options in my "P" trial account for Security are - Role Collections, Roles & Trust Configuration - there is no Authorizations tab.



- [Managing Custom Roles in the Cloud Foundry Environment](#) - appears to provide a way of assigning the ESBMessaging.send role but encounter errors when opening the Roles tile, and when trying to add a role.



SAP Cloud Public User ID Email Sender

Configuration

Step 4 - mailSender

Field Name	Value
Name:	mailSender
Description:	
Type:	User Credentials
User:	<my trial user id email address, not Pxxxxxxx>
Password:	<my trial user id password>
Repeat Password:	<my trial user id password>

example uses I = SAP employee ID

Step 5 - Receiver

Connection:

Field Name	Value
Address:	smtp.gmail.com:587
Proxy Type:	Internet
Timeout (in ms):	30000
Protection:	STARTTLS Mandatory
Authentication:	Encrypted User/Password
Credential Name:	mailSender

*only options "Internet" & "On-Premise", "None" not available
default value*

Processing:

Field Name	Value
From:	cloudplatformintegration.sap@gmail.com
To:	<my trial user id email address>
Subject:	
Mail Body:	\${in.body}
Body Mime Type:	Text/Plain
Body Encoding:	UTF-8

as specified in tutorial

default value

default value

default value

Postman Attempts

Postman Body

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dis="http://camel.apache.org/cxf/jaxws/dispatch"> <soapenv:Header/> <soapenv:Body> <orders>
<order> <orderID>BS00010023</orderID> <OrderDate>11.04.2019</OrderDate>
<CustomerName>Kiara</CustomerName> <CustomerLastName>Jain</CustomerLastName>
<Address>23,Prime View,Redfield,Bangalore,Karnataka,560037,India</Address> <ContactNumber>0091-
8437329849</ContactNumber> <items> <item> <ProductID>RPD4044543</ProductID>
<ProductDescription>Wireless Mouse</ProductDescription> <Quantity>1</Quantity> </item> </items>
```

```
<OrderValue>1257</OrderValue> <ShippingType>Priority 2-day</ShippingType>
<SpecialPackaging>None</SpecialPackaging> <PaymentType>CoD</PaymentType> </order> </orders>
</soapenv:Body> </soapenv:Envelope>
```

Tenant User Id

Postman Configuration:

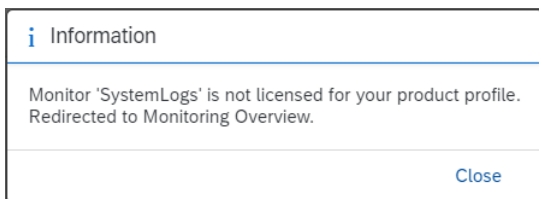
Field name	Value
Verb:	POST
URL:	<tenant URL>/cxf/submitFreightInfo
Authorization	
Type:	Basic Auth
Username:	<My tenant user ID>
password:	<Password of user ID>
Body	
Format:	Ⓒ Raw, text

both Pxxxxxxx & email IDs tried

Postman Response:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <soap:Fault>
      <faultcode>soap:Server</faultcode>
      <faultstring>An internal error occurred during message processing. For error de
tails check the System Logs Monitor in https://<tenant ID>.it-
cpitrial01.cfapps.eu10.hana.ondemand.com:443/itspaces/shell/monitoring/SystemLogs</faultstr
ing>
    </soap:Fault>
  </soap:Body>
</soap:Envelope>
```

Logs - not accessible:



This could just be a misleading message since “Monitor Message Flows” in the Operations view shows logs for messages that register on the system - example from Client ID & Client Secret trial below

The screenshot shows the SAP Monitor Message Processing interface. At the top, there are filters for Time (Past Hour), Status (All), Artifact (All Integration Flows), and ID (Message, Correlation or Application ID). Below the filters, a message is listed with the artifact name 'Manage Freight Logistics' and a status of 'Failed'. The message details show it occurred on Jul 17, 2020, at 16:48:22, with a duration of 244 ms. The interface also includes a 'Manage Freight Logistics' section with tabs for Status, Properties, and Logs, and a 'Log Level: Info' indicator.

Client ID & Client Secret

This was attempted just to see what would happen.

Postman Configuration:

Field name	Value
Verb:	POST
URL:	<tenant URL>/cxf/submitFreightInfo
Authorization	
Type:	Basic Auth
Username:	<tenant Client ID>
password:	<tenant Secret>
Body	
Format:	Ⓒ Raw, text

Postman Response:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header/>
  <soap:Body>
    <soap:Fault>
      <faultcode>soap:Server</faultcode>
      <faultstring>An internal error occurred. For error details check MPL ID AF8RkTIRiW1McOlgYWWrkIFQ3gfu in message monitoring or use the URL https://<tenant ID>.it-cpitrial01.cfapps.eu10.hana.ondemand.com:443/itspaces/shell/monitoring/MessageDetails/%7B%22messageGuid%22%3A%22AF8RkTIRiW1McOlgYWWrkIFQ3gfu%22%7D to directly access the error information.</faultstring>
    </soap:Fault>
  </soap:Body>
</soap:Envelope>
```

Log Message - is accessible:

```
javax.mail.MessagingException: Could not convert socket to TLS;
  nested exception is:
  javax.net.ssl.SSLHandshakeException: sun.security.validator.ValidatorException: PKIX path building failed: sun.security.provider.certpath.SunCertPathBuilderException: unable to find valid certification path to requested target, cause: sun.security.provider.certpath.SunCertPathBuilderException: unable to find valid certification path to requested target
```

```
:
:
:
:
```

View Log Message Info

The screenshot displays the SAP Cloud Platform Integration interface for viewing log message information. The top navigation bar shows 'SAP Cloud Platform Integration' and 'Overview / Monitor Message Processing / Message Processing Run'. Below this, the 'Run Steps (5)' section contains a table with the following data:

Protocol	Segment	Duration
SOAP	Segment 1	
Mail	Segment 1	
Mail	Segment 1	204 ms
End	Segment 1	1 ms
SOAP	Segment 1	8 ms

The central diagram, titled 'Integration Process', shows a flow starting from an 'e-Comm...' component via a 'SOAP' message to a 'Start' node. The flow then passes through an 'Integration Process' box to an 'End' node, which finally outputs a 'Mail' message to a 'Logistics...' component. The right-hand panel includes zoom controls (+, -, 100%) and a navigation icon.

The fact this method actually produces an iFlow log message, and it has Role: ESBMessage.send, suggests the lack of my ability set the role ESBMessage.send for my trial user id is preventing a flow being generated in the first place.