

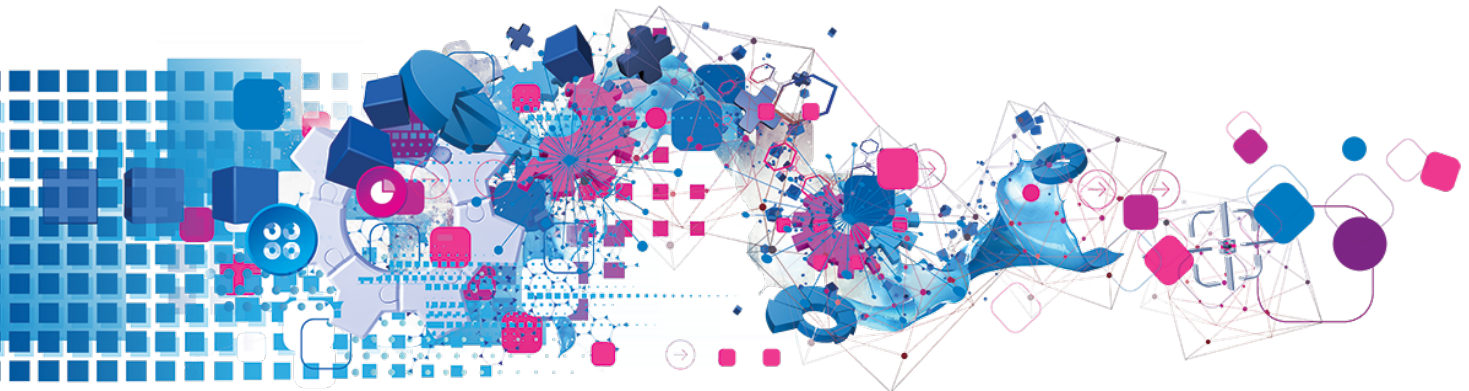
Experian Data Quality for SAP S/4HANA

Installation, Integration, and Configuration Guide



Version: **1**

Last updated: **June 2020**

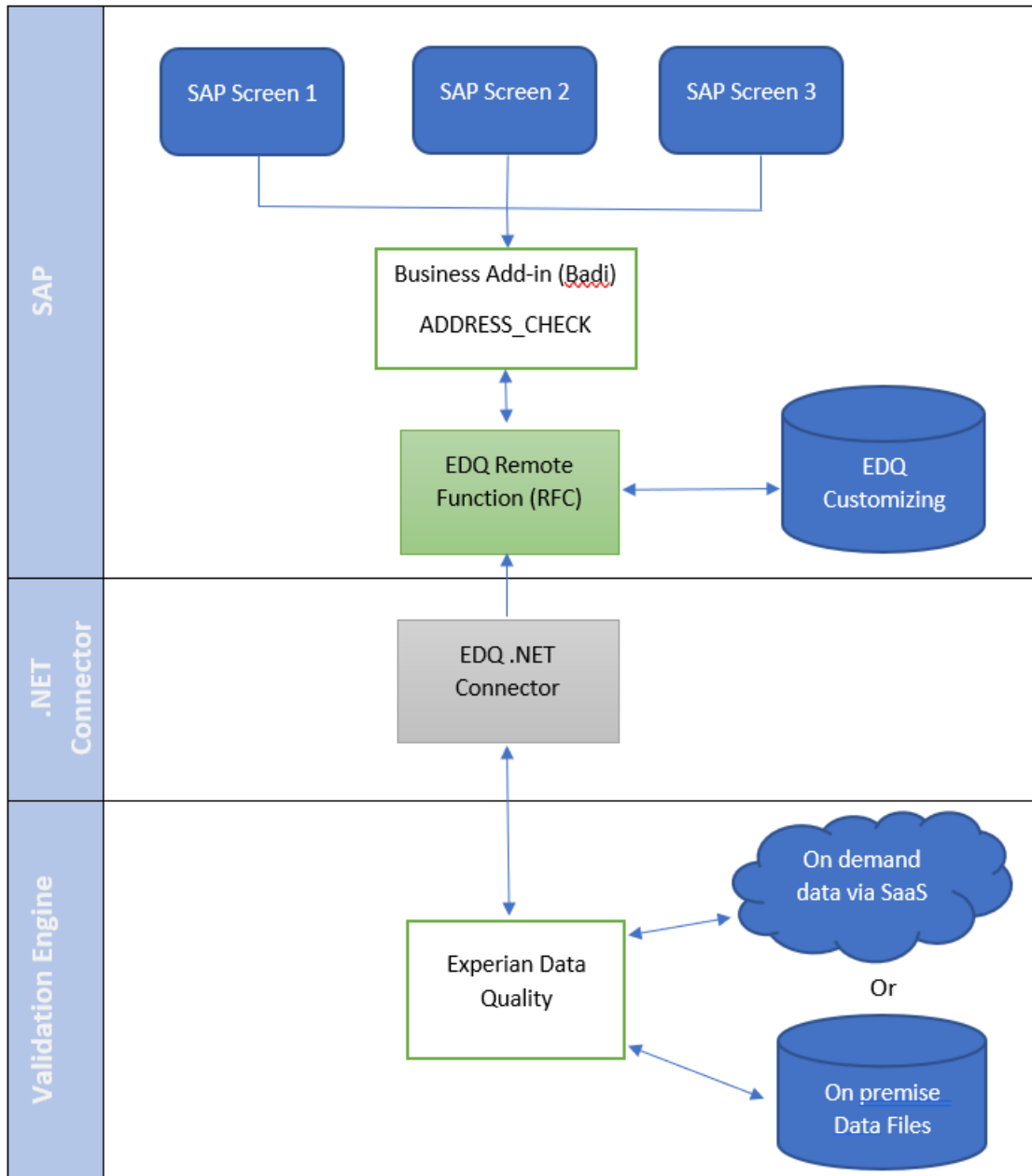


Contents

1 Overview	3
1.2 SAP Solution Architecture	3
2 Install, configure, and integrate the solution	4
2.1 Add address layouts to your Experian Pro solution	4
2.2 Install the Experian SAP Connector	6
2.3 Import Experian transport into SAP	9
2.4 Create a new RFC connection.....	12
2.5 Configure settings within SAP.....	13
3 Maintain the integration.....	21

1 Overview

1.2 SAP Solution Architecture



2 Install, configure, and integrate the solution

2.1 Add address layouts to your Experian Pro solution

First, ensure that the Pro Web or Pro OnDemand solutions are fully installed / configured as needed.

REAL-TIME ADDRESS VALIDATION LAYOUT:

NOTE Pro OnDemand: If you have configured Pro OnDemand you will have managed the Layouts during that process. The below steps are only relevant for Pro Web on-premise.

1. Click on the Experian Data Quality for SAP S/4HANA installation image and open the **Pro Web Layouts** folder.
2. Open the **qawserve sections.txt** file with a text editor.
3. Copy the contents of the file (**Ctrl+A** and **Ctrl+C**).
4. Navigate to the Pro installation directory (default location: C:\Program Files\QAS\QAS Pro Web
5. Open the **qawserve.ini** file with a text editor.
6. At the end of the file, insert a new line by pressing **Enter**. Then, paste the contents which were copied during step 3 (**Ctrl+V**).
7. Save all changes.
8. Allow the changes to take effect by restarting Pro Web:
9. Navigate to **Windows Control Panel > Administrative Tools > Services**.
10. Scroll to **QAS Pro Web Server x.xx** (x.xx is the version number of your Pro Web installation).
11. Right-click the service and select **Restart**.
12. Once the Pro Web service has started, navigate to **Start > QAS Pro Web 7.25 (or 7.15) > Test Harness**.
13. Enter **#d** to see installed datasets.
14. If you are configuring multiple countries, enter **#d<country number>** to switch to the required
15. country. Example: **#d 1**.

16. Enter #1 to see a list of layouts. The SAP layout should appear in this list. Enter #1 <SAP layout number>
17. to switch to SAP. Example: #1 3.
18. Test with a known address. Example: 1 river rd | new york | ny | 12345.

```

Enter command or search: #1
Layouts Available:
0 - < QAS standard layout > - Default View
1 - < Default > - Default View
2 - Database layout - United States of America 7-line fixed format
3 - SAP - Default View

Layout is set to: < QAS standard layout >

Enter command or search: #1 3
Layout is set to: SAP

Enter command or search: 1 river rd | new york | ny | 12345
0 = 1 River Rd, Schenectady NY 12345-6000 100%

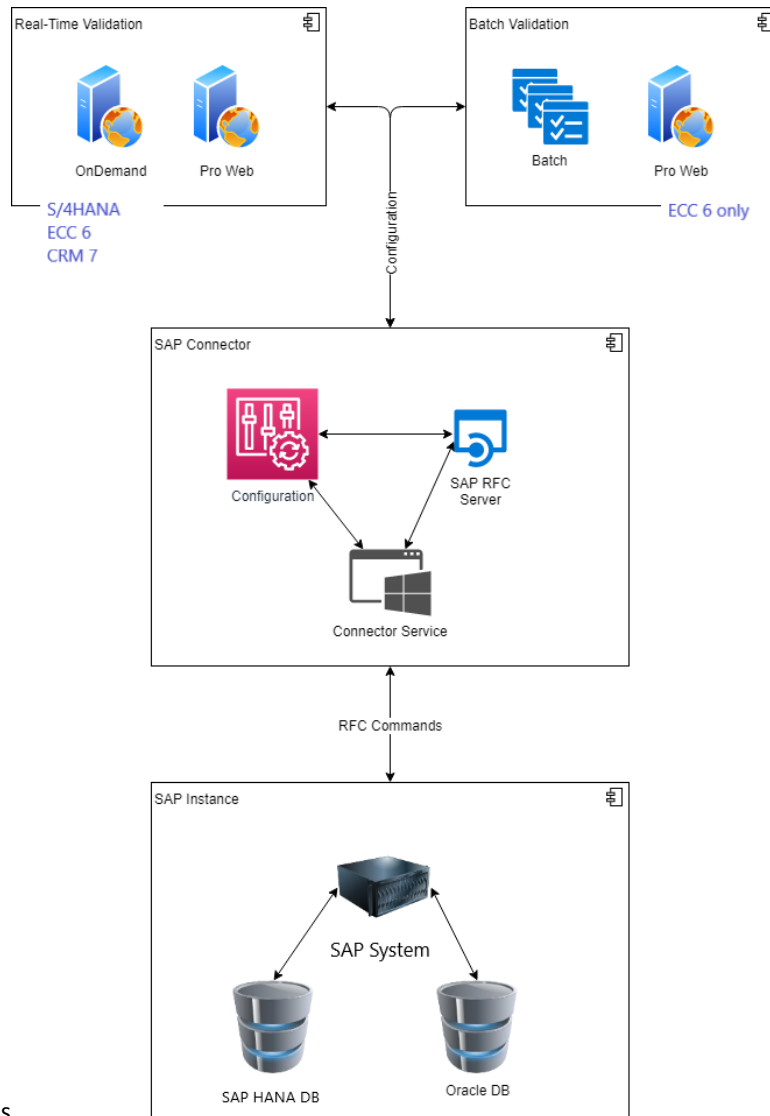
Auto-formatting first item

Content          Label          Address Line
-----
Address          PRIMARYNUMBER 1
Address          SECONDARYNUMBER
Address          STREET         River Rd
Address          CITYNAME       Schenectady
Address          ZIPCODE        12345-6000
Address          STATECODE      NY
Address          POBOX

```

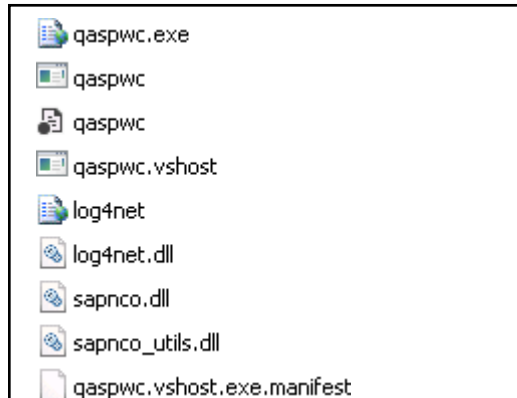
If you have chosen the hosted Experian solution, Pro OnDemand for hosted datasets, then the [authentication tokens](#) you will have been given upon purchasing these products must be activated and [layouts chosen](#) for use within SAP.

2.2 Install the Experian SAP Connector



S

1. Navigate to the **Experian Data Quality for SAP** installation folder (provided by us at the point of purchase).



2. Copy all the **Experian SAP Connector** files in this folder to the location where you choose to install them. Example: **E:\Qas\QASSAPConnector**.
3. Open the **qaspwc.exe** configuration file with a text editor.
4. Edit the **<DestinationConfiguration>** and **<ServerConfiguration>** settings on lines 20 and 27 to include the SAP application server names, as well as the service credentials to your SAP environment.

USER - Service_User	Creating this service user in SAP should be performed by SAP BASIS team beforehand.
PASSWD - Service_Password	Matches the above service user.
CLIENT - (001)	The current working client, where Address Lookup is required. SAP BASIS should be able to provide this.
ASHOST - Server.domain.com	The SAP server name. This will need to change between dev/test/prod boxes.
GWHOST - Server.domain.com	The location of the SAP Gateway service. This will normally be the same as ASHOST .
GWSERV - server	The SAP Gateway service name (e.g. Sapgw00) which should be provided by SAP BASIS team.
com.qas.proweb.serverURL	http://sapec6.qas.com:2021 . Includes server name and port.

```

<DestinationConfiguration>
  <destinations>
    <add NAME="NCO_CLIENT" USER="Service_User"
PASSWD="Service_Password" CLIENT="001" LANG="EN"
ASHOST="Server.domain.com" SYSNR="05" POOL_SIZE="5"
MAX_POOL_SIZE="15"/>
  </destinations>
</DestinationConfiguration>

```

```

<ServerConfiguration>
  <servers>
    <add NAME="NCO_SERVER" GWHOST="Server.domain.com"
GWSERV="server" PROGRAM_ID="PROWEB"
REPOSITORY_DESTINATION="NCO_CLIENT" REG_COUNT="10"/>
  </servers>
</ServerConfiguration>

```

- **Pro Web:** Edit the `com.qas.proweb.serverURL` field so that **SERVERNAME** is the name of the server where Experian Pro Web is installed and **PORT** is the Port number it was installed to run with.

```

<add key="com.qas.proweb.serverURL"
value="http://SERVERNAME:PORT"/>

```

- **Pro On Demand:** Edit `com.qas.proweb.serverURL` – This is the URL link to your OnDemand service; `com.qas.proweb.authToken` – This is where you input the Token to Pro OnDemand, provided from Experian.

5. Set a value, from the options provided for Frontend to the desired solutions (line 51):

```

50 <!--options: ProWeb, ProOnDemand, ProWebBulk, BatchAPI-->
51 <add key="frontendaddressvalidationsolution" value="ProWeb" />
52 <add key="backendaddressvalidationsolution" value="" />
53 <add key="ClientSettingsProvider.ServiceUri" value="" />

```

6. Save all changes.
7. Click Windows **Start > Run > CMD** to open a command prompt.

8. Install the Windows service needed to run the SAP Connector, using the command:

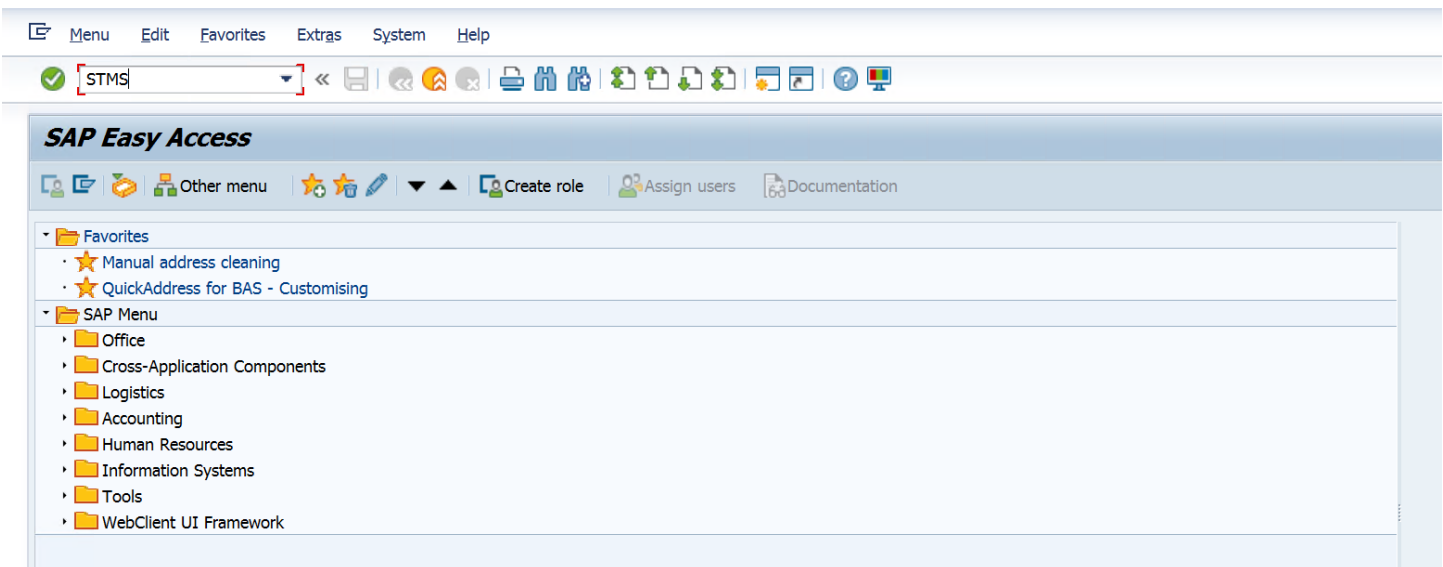
E:\Qas\QASSAPConnector.

```
sc create "EDQSAP Connector_ECC6_PROWEB725" binpath= "  
E:\Qas\QASSAPConnector\qaspc.exe" DisplayName= "EDQSAP  
Connector_ECC6 "
```

2.3 Import Experian transport into SAP

For Customers implementing the new S/4HANA solution for the first time, transports for SAP S/4 HANA: S4HK900730 (Workbench Request), S4HK900732 (Customizing Request).

1. Copy the transport files from the installation image (part of the product package) into the corresponding SAP folders:
 - Co-File: K900xxx.ED1 into example: E:\usr\sap\trans\cofiles
 - Data-File: R900xxx.ED1 into example: E:\usr\sap\trans\data
2. Log into SAP and enter the transaction code: **STMS**.



3. Select the **Import overview** button (circled below).

4. Double-click on the system you want to import the transport files to.

Import Overview: Domain DOMAIN_SNB

Number of import queues: 2 09.10.2019 14:05:09

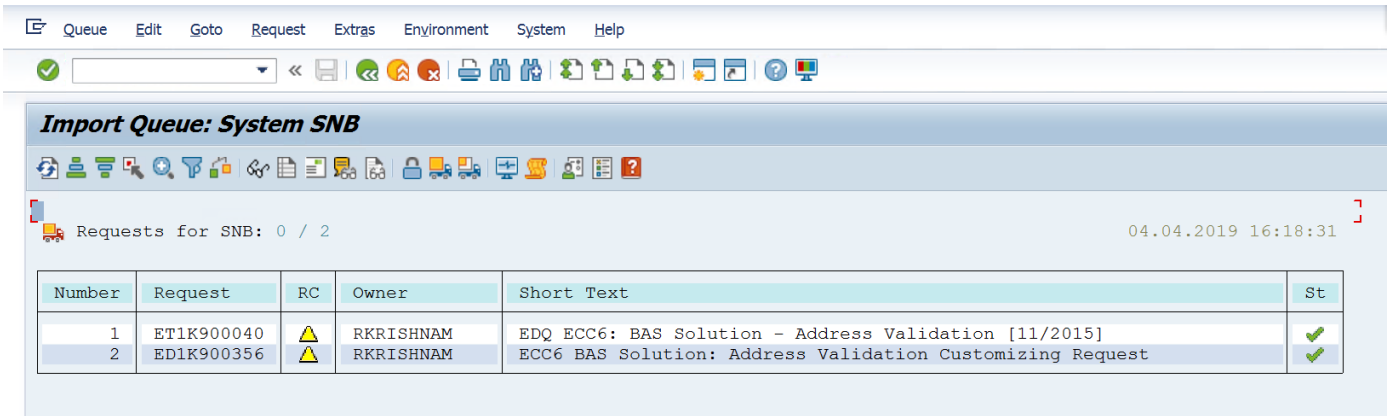
Queue	Description	Requests	Status
SNB	System SNB		✘
VNB	Virtual System		✘

Transport Management System

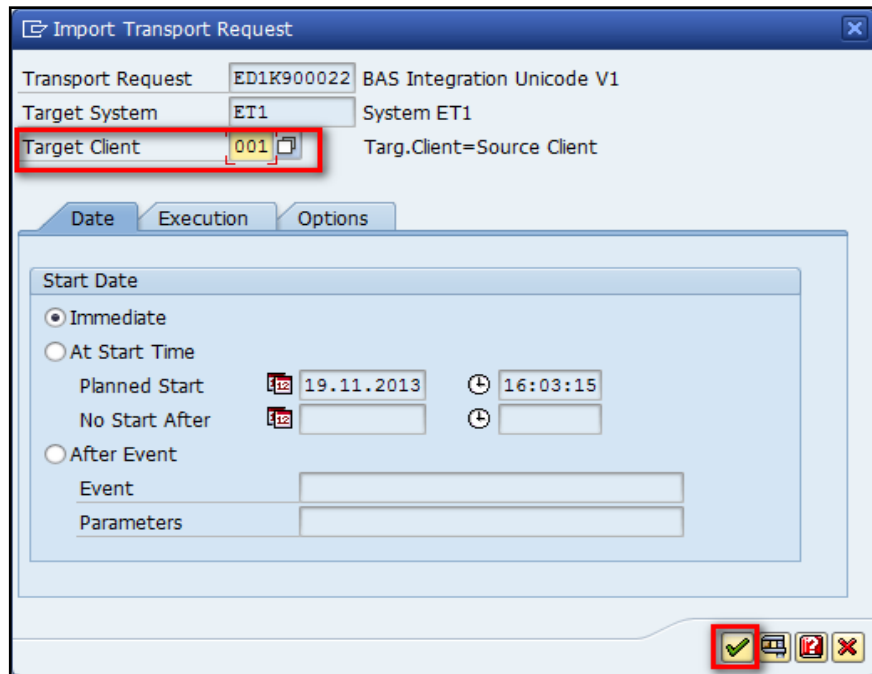
Import Overview (F5)

System	SNB	System SNB
Transp. Domain	DOMAIN_SNB	Transport domain SNB

This screen will appear:

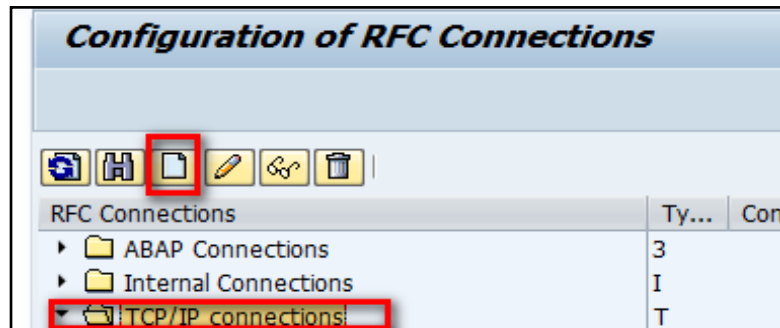


5. Add the transport to the queue by navigating to **Extras** (top menu bar) > **Other Requests** > **Add**.
6. Enter the transport file name: S4HK900730 into the **Transp. Request** field and click the **OK** button (✓).
7. Click the **Import Request** button.
8. Enter the target client to which you want to import the transport and click **OK**.

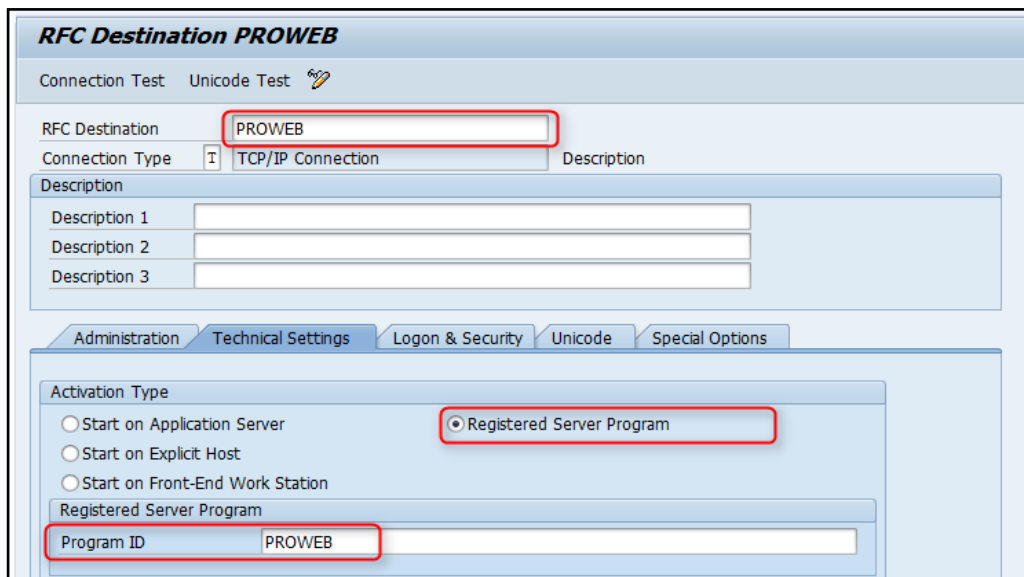


2.4 Create a new RFC connection

1. Enter the transaction code: **SM59**.
2. Select the **TCP/IP connections** folder and click **Create** (the button circled below).

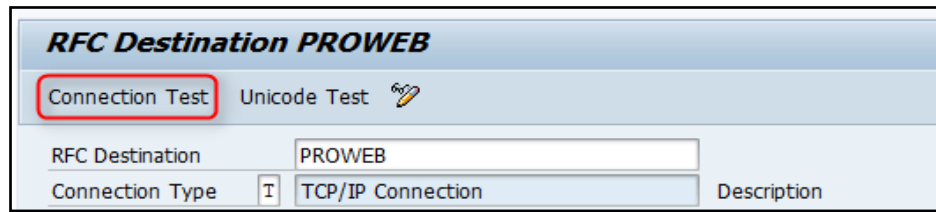


3. Create a new RFC connection description (example: **PROWEB**) and select the **Connection Type** as **T**.
4. Under the **Technical Settings** tab, ensure the **Program ID** name matches the program ID value within the **qaspwc.exe** configuration file from the Experian SAP Connector, and that the **Registered Server Program** option is selected.




5. Save this connection by clicking the **Save** button.

6. Test the RFC connection by clicking on the **Connection Test** button.



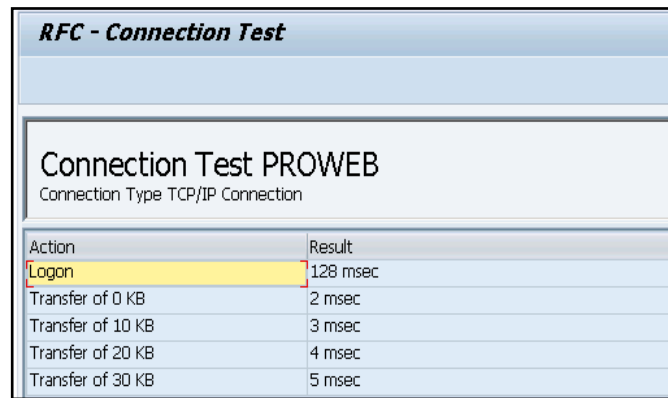
RFC Destination PROWEB

Connection Test Unicode Test 

RFC Destination

Connection Type TCP/IP Connection Description

If the connection works, the logon is successful (as shown below).



RFC - Connection Test

Connection Test PROWEB
Connection Type TCP/IP Connection

Action	Result
Logon	128 msec
Transfer of 0 KB	2 msec
Transfer of 10 KB	3 msec
Transfer of 20 KB	4 msec
Transfer of 30 KB	5 msec



Tip: Create additional RFC connections, if required, by repeating steps one to six mentioned above, using the **SM59** Transaction.

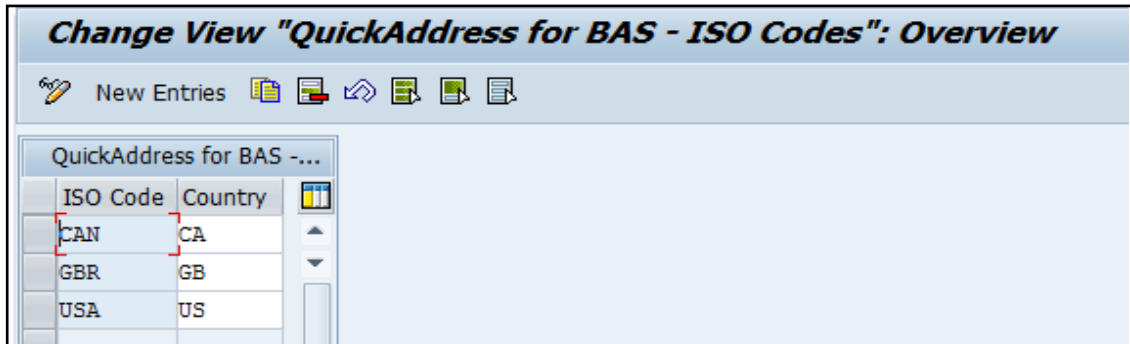
2.5 Configure settings within SAP

1. Enter the transaction code: **/QAS/YQAWB** to open the **Experian Data Quality Configuration** screen.
2. Choose which settings you need to configure **ISO Codes, QAS Fields, QAS Set Up, Field Mapping, Search Fields, Countries Supported Search Engines, Global Settings, or User Groups**.

ISO CODES:

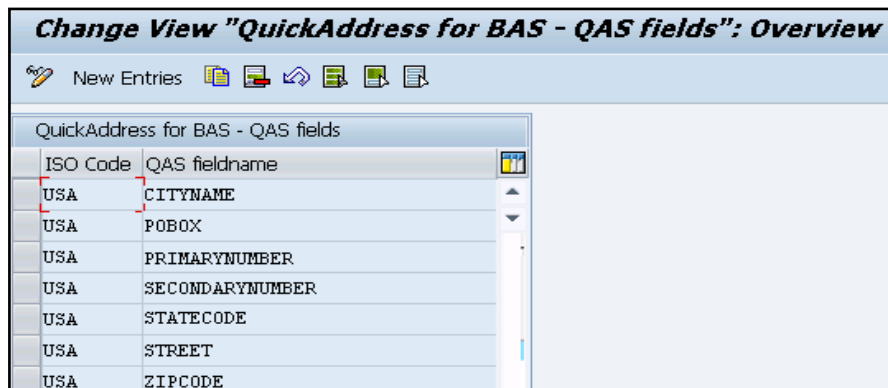
Within this configuration, Experian's sample **ISO Code** and **Country** fields are automatically mapped.

1. Enter as many countries you require the address validation solution to work with.



FIELD MAPPINGS TO ISO CODE:

Within this configuration, all the Address fields that are configured in ProWeb layouts will be listed by their label names, which were created during step 2.1. This is country specific. If a customer-specific layout was created, the Address fields from that layout should also be listed here.



SETUP:

Within this configuration, you can set up the mapping between the RFC connection created earlier and the pertaining ISO Code.

Change View "QuickAddress for BAS - QAS Setup": Details

New Entries

ISO Code: USA

QuickAddress for BAS - QAS Setup

Active	Yes
RFC (Verification)	PROWEB
RFC (Capture)	PROWEB
Suppress check	Yes
Address verification	Yes
Match details popup	No
Address capture	Yes
Enable search popup	No
Element diffs box	No
Address confirm	No
ALV popups	Yes
Search Timeout	400
Search Intensity	Close searching
Result Threshold	100

CONFIGURATION SETTINGS DEFINITIONS:

Active	Can either take the value of Yes or No, in order to switch the overall functionality on or off for that country.
RFC (Verification)	The name of the RFC which will be used to link to the verification server.
RFC (Capture)	The name of the RFC which will be used to link to the capture server.
Suppress check	Can either take the value of Yes or No, in order to switch the functionality which checks the address against the post code on or off for that country.
Address verification	Can either take the value of Yes or No, in order to switch the address verification functionality on or off for that country.
Match details pop up	Can either take the value of Yes or No, in order to switch whether the QAS match code dialog box appears or not when running in Verification mode.
Address capture	Can either take the value of Yes or No, in order to switch the address capture functionality on or off for that country.
Enable search popup	Can either take the value of Yes or No. This flag is used in the address capture process. If address verification fails, a popup box will appear allowing the user to modify the search string originally used in the verification process. This string is then passed to the capture server, with the results from this match being presented in a different popup box.
Element diffs box	This can either take the value of Yes or No, in order to switch the Address Change dialog box on or off for a country. After an address has been verified/captured, a popup box will appear listing the changes, if any address fields have changed.
Address confirm	Can either take the value of Yes or No, in order to switch to the capability to confirm an address on or off for that country.
ALV popups	Can either take the value of Yes or No, in order to switch the functionality on or off for that country.
Search Timeout	<p>The value of the dropdown box defines intensity with which Pro Web will work to obtain a match. A higher intensity may yield more results but will also result in a longer search time. The following Search Intensity values are available:</p> <ul style="list-style-type: none"> • Exact: the value allows no mistakes in the search term but is the fastest. • Close (Recommended): the value allows some mistakes in the search term and is the default setting. • Extensive: the value allows many mistakes in the search term but results in the longest search time.
Search Intensity	The timeout is a numerical value (entered in mill seconds) which specifies a time limit for the

	search.
Result Threshold	The threshold is a numerical value which provides a cut-off point for the number of matches returned by a search. The threshold can range from 5 to 100.

TERM DESCRIPTIONS:

Setting	Purpose	Default Value
ISO Code	Defines what country code to apply settings.	USA
Active	Enables or disables address validation for the country.	Yes
Engine Type	Sets the default EDQ engine.	Verification
RFC Destination	The RFC destination set up during step 3.4.	PROWEB
QAS Layout	The EDQ Layout to use, created during step 2.1.	SAP
Timeout	Defines the time threshold in milliseconds after which a search will abort.	150
Match Level	Defines how hard the search engine will work to obtain a match. higher-intensity values may yield more results than lower intensity values but will also result in longer search times.	Close Searching
Trshold	Defines the threshold which is used to display potential results.	200
Prompt Set Type	Tells the EDQ engine what input data to expect for searching	Default
Flatten	Defines whether the search results will be 'flattened' to a single picklist of deliverable results, or shown as (potentially multiple) hierarchical picklists of results that can be stepped into	True

ADDRESS TYPES:

1. For each address type (street and PO box) and operating mode (Verification/Capture), link to the corresponding EDQ layout



Tip:

- The value of Configuration Section (Capture) should match the layout name created earlier with the Configuration Editor of Experian Pro Web.

Change View "QuickAddress for BAS - Address types": Details

New Entries

ISO Code: USA

Address type: Street

QuickAddress for BAS - Address types

Configuration file (Verification)	
Configuration section (Verification)	USA
Configuration file (Capture)	
Configuration section (Capture)	SAP
Address type description	Street
QuickAddress PO Box fieldname	POBOX

FIELD MAPPING:

- For each country and address type (street and PO box), you can create a field mapping between the **SAP fieldname** and the corresponding **EDQ** field:
 - QAS fieldname:** the labels which were created during step 2.1.
 - SAP BAS fieldname:** where the returned data should be placed.

Change View "QuickAddress for BAS - Field mapping": Overview

New Entries

QuickAddress for BAS - Field mapping

ISO Code	+	Priority	SAP fieldname	QAS fieldname
USA	PO Box	2	PO Box postal	ZIPCODE
USA	PO Box	2	PO Box	POBOX
USA	PO Box	2	PO Box city	CITYNAME
USA	Street	1	District	COUNTY
USA	Street	1	House number	PRIMARYNUMBER
USA	Street	1	House number...	SECONDARYNUMBER
USA	Street	1	Street	STREET
USA	Street	3	City	CITYNAME
USA	Street	4	City postal ...	ZIPCODE
USA	Street	6	Region (Stat...	STATENAME
USA	Street	7	Country key	TWOCHARACTERISOCOUNTRYCODE

DIALOG SEARCH:

For each country and address type (street and PO box), you can setup a search priority, as well as a format. This creates an input string which is submitted to the Experian engine.



Tip: The priority of the address fields should be set in a logical order for the country being configured. For example, a typical order for USA would be: House Number, Street Name, Secondary Number, City, State, Zip Code.

Change View "QuickAddress for BAS - Dialog search string construct"

New Entries

ISO Code	+	SAP fieldname	Priority	+
USA	PO Box	PO Box posta...	3	
USA	PO Box	PO Box	1	PO BOX {0,0}
USA	PO Box	PO Box city	2	
USA	Street	City	9	
USA	Street	District	8	
USA	Street	House number	1	
USA	Street	House number...	3	
USA	Street	Street 5	7	
USA	Street	City postal ...	11	
USA	Street	Region (Stat...	10	
USA	Street	Street	2	
USA	Street	Street 2	4	
USA	Street	Street 3	5	
USA	Street	Street 4	6	

USER GROUPS:

1. Create an SAP User group using transaction code **SUGR**.
2. In the **User group** window, assign the list of users who require the Real Time Address Validation tool.

Maintain User Groups

User group

User group

Text

User Assignment

User Name	Full Name	Assignm...

Change View "QAS for SAP BAS - Authorized user groups": Overview

New Entries

QAS for SAP BAS - ...

User group	
ZQAS	

3 Maintain the integration

For Pro Web (on-premise data) all address data supplied by Experian has a built-in expiry date to ensure that only the most up-to-date address data is used. If the Experian interface detects the data has expired, that country will no longer be shown in the drop-down list in the search form.

The United Kingdom dataset expires eight months after creation, the United States dataset expires every 120 days, and the Canadian dataset expires every 365 days. For more information on this, please refer to the accompanying data guide.

To update data, follow the corresponding data guide and product documentation. For assistance, and to obtain new data files, please contact our Support team.

Location	Phone	Email	Hours
Australia, New Zealand and Singapore	Melbourne: +61 3 8622 1655 Sydney: +61 2 8907 7272	qassupport@au.experian.com	08:30 - 18:00 AEST
France and the Netherlands	+33 (0)1 70 39 43 43	support@qas.fr	09:00 - 18:00
United Kingdom	+44 (0) 207 498 7788	uk.support@qas.com	08:30 - 18:00 (GMT)
USA and Canada	+1 (888) 712-3332	us.support@qas.com	08:00 - 20:00 (EST)
All Others	Provided by appropriate Support Location specified at point of sale.		

For Pro On-Demand (SaaS) purchases the token will expire at the end of your contract period, unless renewed. There are no on-premise data installations updates needed.

We hope this guide was useful to you. For further support, or to leave us feedback, please get in touch with your Professional Services Consultant, or our [Support team](#).
