

# **Oracle FCCM Transaction Filtering Cloud Service**

## **Administration Guide**

**Release 23.9.1**

**September 2023**

**F83555-01**

**ORACLE®**

**Financial Services**

Copyright © 2015, 2023, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software" or "commercial computer software documentation" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, and MySQL are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

For information on third party licenses, click [here](#).

# Document Control

Table 1: Document Control

Revision Number	Revision Date	Change Log
23.9.1	September 2023	This is created for the version the release.

---

## Contents

<b>1</b>	<b>Introduction .....</b>	<b>3</b>
<b>2</b>	<b>General Configurations .....</b>	<b>4</b>
2.1	Configuring the Application Level Parameters.....	4
<b>3</b>	<b>Configuring the SWIFT Message Parameters .....</b>	<b>5</b>
3.1	Message and Screening Configurations Window .....	5
3.1.1	<i>Adding or Updating a New Message Type .....</i>	<i>6</i>
3.1.2	<i>Configuring the References .....</i>	<i>7</i>
3.2	<Message Type> Subfield Level Configuration Window.....	8
3.3	<Message Type> Screening Configuration Window .....	9
3.3.1	<i>Enabling or Disabling a Web Service .....</i>	<i>12</i>
3.3.2	<i>Updating and Removing a Web Service .....</i>	<i>13</i>
3.3.3	<i>Populating Data for the Trade Goods and Trade Port Web Services .....</i>	<i>13</i>
3.4	<Message Type> Other Field/Subfield Configuration Window.....	13
<b>4</b>	<b>Configuring the Fedwire Message Parameters.....</b>	<b>15</b>
4.1	Message Type Configuration Window .....	15
4.1.1	<i>Adding or Updating a New Message Type .....</i>	<i>16</i>
4.1.2	<i>Configuring Message and Transaction References .....</i>	<i>17</i>
4.2	<Message Type> Subfield Level Configuration Window.....	17
4.3	<Message Type> Screening Configuration Window .....	19
4.3.1	<i>Enabling or Disabling a Web Service .....</i>	<i>21</i>
4.3.2	<i>Updating and Removing a Web Service .....</i>	<i>21</i>
4.3.3	<i>Populating Data for the Trade Goods and Trade Port Web Services .....</i>	<i>22</i>
4.4	<Message Type> Other Field/Subfield Configuration Window.....	22
<b>5</b>	<b>Configurations for ISO20022 Message Parameters .....</b>	<b>24</b>
5.1	Configuring the ISO20022 Message Parameters .....	24
5.1.1	<i>Running the ISO20022 Batch .....</i>	<i>29</i>
<b>6</b>	<b>Appendix: Message Categories and Message Types.....</b>	<b>33</b>
6.1	SWIFT Message Types .....	33
6.2	ISO20022 Message Types .....	34

---

6.3	Fedwire Message Types.....	35
<b>7</b>	<b>OFSAA Support Contact Details .....</b>	<b>36</b>
<b>8</b>	<b>Send Us Your Comments.....</b>	<b>37</b>

# 1 Introduction

Oracle Financial Services Transaction Filtering is a Sanctions screening system that identifies Individuals, entities, cities, countries, goods, ports, BICs, and Stop keywords that may either be suspicious, restricted, or sanctioned with relation to a financial transaction that is processed through the Transaction Filtering application. The application enables you to integrate with any clearing or payment system, accept messages from the source system, and scans them against different watch lists maintained within the application to identify any suspicious data present within the message. The Transaction Filtering application can scan messages which are in the SWIFT, ISO20022, or Fedwire category.

Financial Institutions are required to comply with regulations from different authorities. Some of them are as follows:

- USA PATRIOT Act
- U.S. Treasury's Office of Foreign Assets Control (OFAC), USA
- Office of the Superintendent of Financial Institutions (OSFI), Canada
- Financial Action Task Force (on Money Laundering) (FATF/GAFI)
- EU Commission
- Country-specific authorities

While the regulations can differ between countries, the spirit of regulatory intervention is uniform, and that is to hold financial institutions responsible and accountable if they have been a party, intentionally or unintentionally, to a criminal or terrorist-related transaction.

Sanctions include the withholding of diplomatic recognition, the boycotting of athletic and cultural events, and the sequestering of the property of citizens of the sanctioned country. However, the forms of sanctions that attract the most attention and are likely to have the greatest impact are composed of various restrictions on international trade, financial flows, or the movement of people.

Transaction Filtering against government-regulated watch lists and internal watch lists is a key compliance requirement for financial institutions across the globe. At the turn of the century, Financial Institutions (FIs) were expected to identify customers who were either sanctioned or who lived in sanctioned countries and identify any transactions which were associated with these customers. FIs are now expected to also identify any suspicious dealings and parties involved in the transaction, and more recently identify information that is deliberately hidden or removed.

The Transaction Filtering application delivers a strong, effective filter that identifies all sanctioned individuals or entities with true positives and exploits all available information (internal and external) to reduce false positives and therefore minimizes the operational impact on FIs.

## 2 General Configurations

The following sections provide information on how to configure the application, message and screening parameters.

### 2.1 Configuring the Application Level Parameters

Use the **Application Level Parameter Configuration** tab to configure the parameters for the Transaction Filtering application.

To configure the parameters, follow these steps:

1. Navigate to the **Oracle Financial Services Crime and Compliance Management Anti Money Laundering Cloud Service** landing page.
2. Click **Transaction Filtering Administration**. The **Transaction Filtering Administration** page is displayed.
3. Click **Application Level Parameter Configuration** to display the configuration page.
4. In the Retrigger section, enter the value for **Retrigger Time Interval (in minutes)** and **Retry Count**.
5. Click **Save** to save the configuration.

## 3 Configuring the SWIFT Message Parameters

To configure the message and screening parameters, follow these steps:

1. Navigate to the **Oracle Financial Services Crime and Compliance Management Anti Money Laundering Cloud Service** landing page.
2. Click **Transaction Filtering Administration**. The **Transaction Filtering Administration** page is displayed.
3. Click **SWIFT Configuration Admin**. The **Message and Screening Configurations** tab is displayed.

---

**NOTE**

The following screens are the same for the Fedwire and SWIFT message parameters.

This tab has the following windows:

- [Message and Screening Configurations Window](#)
- [<Message Type> Subfield Level Configuration Window](#)
- [<Message Type> Screening Configuration Window](#)
- [<Message Type> Other Field/Subfield Configuration Window](#)

### 3.1 Message and Screening Configurations Window

This window allows you to edit the status, field names, and expressions of the different JSON parameters in the message.

In the Message Type Configuration field, select the SWIFT message category. All message definitions are SWIFT 2019 compliant.

Each message type has five blocks: Basic Header Block, Application Header Block, User Header Block, Text Block, and Trailer Block.



**Figure 1: Message and Screening Configurations Window for SWIFT**

Message and Screening Configurations

Message Type Configuration

MT101 Add/Update Reference Configuration Save >

		Expression
▲ Basic Header Block		
	Block Identifier	
	Application Identifier	
	Service Identifier	
	LT Identifier	
	Session Number	
	Sequence Number (ISN or OSN)	
▲ Application Header Block		
▶ Application Header - Input		
▶ Application Header - Output		
▲ User Header Block		

In this figure, the first column lists all the SWIFT blocks and a list of fields within each block which follows SWIFT naming standards. In this field, if a part of the sequence has multiple formats, then while uploading the JSON for the message type, update the formats within [ . . ] with unique identifiers. The other columns are:

- **Status:** This column mentions whether the field is Mandatory (M) or Optional (O).
- **FieldName:** This column describes the name of the given field as per SWIFT standards.
- **Expression:** This column depicts the field structure in terms of expression. For example, if the field is a data type, then the maximum length of the field is displayed.

To edit a parameter, click the parameter name. After you make the changes, click **Save**.

### 3.1.1 Adding or Updating a New Message Type

To add or update an existing message type, follow these steps:

1. Click the **Add/Update** button. The **Attachment Details** window is displayed.
2. Select the type of message that you want to add or update from the drop-down list.

**Figure 2: Attachment Details Window**

3. To upload an attachment, click **Choose File**. You can upload only one attachment at a time.

**NOTE** This file must be of the format `.json` or `.txt`.

4. Click **Upload**.
5. Click **Submit**. The message is displayed in the following table as `<Message Type_draft>`.

### 3.1.2 Configuring the References

To view and change the message reference or transaction reference, click **Reference Configuration**.

Reference Configuration tab has the following fields:

- Message Identifier
- Transaction Reference
- Payment Account ID
  - Field
  - Field/Subfield Name

Any message which contains message references or transaction references, or both, must be configured.

For the **Message Reference** field, a unique identifier must be configured at the message level for all message categories.

For the **Transaction Reference** field, a unique identifier must be configured at the transaction level only if applicable for the specific message category.

For the **Payment Account ID** field, a unique identifier can be configured for each message type. You can enter multiple field values for **Payment Account ID** by clicking the plus icon.

**Figure 3: Reference Configuration Window**

The screenshot shows a 'Reference Configuration' dialog box. It contains the following fields: 'Message Identifier' with a dropdown menu showing '20', 'Transaction Reference' with a dropdown menu showing '21', 'Payment Account ID' (empty), 'Field' with a dropdown menu showing '50G', and 'Field/Subfield Name' with a dropdown menu showing 'Account'. There is a '+' button next to the 'Field/Subfield Name' dropdown and a 'Save' button at the bottom right. In the background, a table is partially visible with columns for 'Block Identifier', 'Application Identifier', 'Service Identifier', 'LT Identifier', 'Session Number', and 'Sequence Number (ISN or OSN)'.

## 3.2 <Message Type> Subfield Level Configuration Window

This window allows you to add a subfield to a field in the **Message Type Configuration** Window.

**Figure 4: <Message Type> Subfield Level Configuration Window**

The screenshot shows the '<Message Type> Subfield Level Configuration' window. It has a title bar 'Message and Screening Configurations' and a subtitle 'MT101 Subfield Level Configuration'. The window contains the following fields: 'Expression Identifier' (placeholder: 'Must enter a unique identifier'), 'Expression Name' (placeholder: 'Must enter a Name'), 'Expression Description' (placeholder: 'Must enter description'), 'Field' (dropdown), 'Field/Subfield Name' (dropdown), and 'Subfield Expression Format & Occurrence' (dropdown with '1' selected). There are 'Add', 'Update', 'Remove', and 'Clear' buttons. Below these fields is a table with the following data:

Expression ID	Expression Name	Expression Description	Field	Field/Subfield Name
EXPAMOUNTid	Amount	Transaction Amount	32B	Currency/Transaction Amount
EXPCURRENCYid	Currency	Transaction Currency	32B	Currency/Transaction Amount

1. To add a subfield, provide the required values in the fields shown in the window and click **Add** icon. Enter values in the following fields:

**Table 1: Fields in the <Message Type> Subfield Level Configuration Window**

Fields	Field Description
Expression Identifier	Enter a unique identifier. It must begin with an alpha character and must not contain any spaces. This is a mandatory field.
Expression Name	Enter a name for the expression. The name must be in capital letters. This is a mandatory field.
Expression Description	Enter a description for the Expression. This is a mandatory field.
Field	This field displays a complete list of fields in the drop-down for the given message type. Select the field from this drop-down field to configure the expression.

**Table 1: Fields in the <Message Type> Subfield Level Configuration Window**

Fields	Field Description
Field/Subfield Name	This field displays the respective field name or subfield options for the field that was previously selected. Select the subfield from the drop-down list.
Subfield Expression Format & Occurrence	This field is populated when the Field is selected. Select an expression as it as or an element from that expression. You can also enter the number of occurrences for the expression within that message. By default, it is always 1.
Add button	To add a subfield, provide the required values in the fields shown above and click <b>Add</b> icon.
Update button	To update an existing subfield, click the name of the subfield. After you make the changes, click <b>Update</b> icon.
Remove button	To remove an existing subfield, click the name of the subfield and click <b>Remove</b> icon.
Clear button	To clear the data in these fields, click <b>Clear</b> icon.

- To update an existing subfield, click the name of the subfield. After you make the changes, click **Update**.
- To remove an existing subfield, click the name of the subfield and click **Remove**.
- To clear the data in these fields, click **Clear**.

You can configure the subfield in two ways:

- By configuring the **subfield level data within the option** expression: Do this if you want to configure specific data within the expression.

For example, if `field 57` has four options `A`, `B`, `C`, and `D` in `MT103` message but you want to configure `BIC` (Identifier Code) from option `A`:

Option `A`:

`[/1!a][/34x]` (Party Identifier)

`4!a2!a2!c[3!c]` (Identifier Code)

You must enter the names in the **Subfield Expression Identifier**, **Subfield Name**, and **Subfield Description** fields.

- By configuring the element level data within the subfield expression: Do this if you want to further configure any data out of the subfield.

In this example, if you want to configure the country code for `field 57`, then you can configure `2!a` from Identifier Code expression as a country code by giving unique names in the **Subfield Expression Identifier**, **Subfield Name**, and **Subfield Description** fields.

Option `A`:

`[/1!a][/34x]` (Party Identifier)

`4!a 2!a 2!c[3!c]` (Identifier Code)

### 3.3 <Message Type> Screening Configuration Window

This window allows you to add, update, remove, and enable or disable a web service.

**Figure 5: <Message Type> Screening Configuration Window**

ORACLE Configuration Screen

Message and Screening Configurations

MT101 Screening Configuration      Screening webservice: Identifier

Expression (ID-Name):      (OR)      Field:      Field/Subfield Name:

Enable:      Message Direction:      Jurisdiction: INDIA

Business Domain: BranchA

Add    Update    Remove    Enable All    Disable All

Screening webservice	Expression ID	Expression Name	Field	Field/Subfield Name
Identifier			50F[Format1]	
Identifier			50H	
Identifier			56D	
Identifier			57D	
Identifier			59	
Identifier			59F	
Identifier			50F[Format2]	
Identifier			50F[Format2]	
Identifier			50F[Format1]	
Identifier			50H	

To view a web service, enter values in the following fields:

**Table 2: Fields in the <Message Type> Screening Configuration Window**

Fields	Field Description
Screening WebService	<p>Select a screening web service from the drop-down list. This field lists all the supported matching web services in the <b>Transaction Filtering</b> application. The following web services are available:</p> <ul style="list-style-type: none"> <li>Identifier</li> <li>Country and City</li> <li>Goods Screening</li> <li>Name and Address</li> <li>Narrative or Free Text Information</li> <li>Port Screening</li> </ul> <p>The fields for all web services except Goods Screening are as shown here.</p>
Expression (ID-Name)	Select an expression identifier. When you select an expression identifier, the values are populated in the Field and Field/Subfield Name fields.
Field	Select the field name.
Field/Subfield Name	Select the subfield name. This displays the expression.
Enable	Select <b>Yes</b> to enable the web service. Select <b>No</b> to disable the web service.
Message Direction	Select <b>INBOUND(o)</b> and <b>OUTBOUND(i)</b> based on the screening requirement from the drop-down list. If a field must be screened only for incoming messages, select <b>inbound</b> , else select <b>outbound</b> . If that field must be screened for both inbound and outbound, then select <b>ANY</b> .

**Table 2: Fields in the <Message Type> Screening Configuration Window**

Fields	Field Description
Jurisdiction	<p>Select <b>All</b> to apply the Webservice for all jurisdictions or select the specific jurisdiction to apply the webservice for a specific jurisdiction.</p> <p>Use the <code>kdd_jrscdn</code> table to configure the jurisdiction values. It has the following columns:</p> <ul style="list-style-type: none"><li>• JRSDCN_CD: Values must be unique.</li><li>• JRSDCN_NM: Actual jurisdiction name.</li><li>• JRSDCN_DSPLY_NM: Jurisdiction name displayed in the Message and Configurations screen.</li><li>• JRSDCN_DESC_TX: Optional field to adbusinesd descriptions for the jurisdictions.</li></ul>
Add button	To add a web service, provide the required values in the fields shown above and click <b>Add</b> icon.
Update button	To update a web service, select the web service that you want to update and click <b>Update</b> icon.
Remove button	To remove a web service, select the web service that you want to remove and click <b>Remove</b> icon.
Enable All button	To enable all web services, click <b>Enable All</b> icon.
Disable All button	To disable all web services, click <b>Disable All</b> icon.

The fields you can use to configure the Goods web service are different from the fields you can use to configure the other web services. These fields are as shown:

**Figure 6: Fields for Goods Web Services**

MT101 Screening Configuration      Screening WebService: Goods Screening

**Goods:** Expression Identifier: (OR) Tag: Field Name:

**Import Country from:** Expression Identifier: (OR) Tag: Field Name:

**Export Country to:** Expression Identifier: (OR) Tag: Field Name:

Message Direction: INBOUND      Enable: Yes

Add Update Remove Enable All Disable All

Input: ( Expression Name: N/A, Tag Name: 59, Field Name: Name and Address )  
 Import Country From: ( Expression Name: N/A, Tag Name: 59A, Field Name: Identifier Code )  
 Export Country To: ( Expression Name: N/A, Tag Name: 59F, Field Name: Name and Address )

Message Direction: INBOUND  
 Enable: Y

**Table 3: Fields in the Goods Web Service Window**

Fields	Field Description
Expression Identifier	Select the Expression for the good.
Tag	Select the tag related to the good. Based on the tag selected, the field name is populated.
Field Name	The field name is populated based on the tag selected.
Message Direction	Select <b>INBOUND(o)</b> and <b>OUTBOUND(i)</b> based on the screening requirement from the drop-down list. If a field must be screened only for incoming messages, select <b>inbound</b> , else select <b>outbound</b> . If that field must be screened for both inbound and outbound, then select <b>ANY</b> .
Enable	Select <b>Yes</b> to enable the message in a direction. Select <b>No</b> to disable the message in a direction.
Add button	To add a web service, provide the required values in the fields shown above and click <b>Add</b> icon.
Update button	To update a web service, select the web service that you want to update and click <b>Update</b> icon.
Remove button	To remove a web service, select the web service that you want to remove and click <b>Remove</b> icon.
Enable All button	To enable all web services, click <b>Enable All</b> icon.
Disable All button	To disable all web services, click <b>Disable All</b> icon.

### 3.3.1 Enabling or Disabling a Web Service

By default, every web service is enabled. You can change the message configuration by disabling a web service. When you do this, the selected web service is not evaluated.

To enable or disable one or more web services, replace the [WEBSERVICE\_IDS] placeholder with the corresponding web service ID. The web services and the corresponding IDs are shown here:

**Table 4: Web Services in Transaction Filtering**

Web Service	Web Service ID
Name and Address	Name and Address
BIC	BIC

**Table 4: Web Services in Transaction Filtering**

Web Service	Web Service ID
Country and City	Country and City
Narrative or Free Text Information	Narrative or Free Text Information
Port Screening	Port Screening
Goods Screening	Goods Screening

To disable all the web services, replace the [WEBSERVICE\_IDS] placeholder with 1, 2, 3, 4, 5, 6 in the following command:

```
UPDATE FSI_RT_MATCH_SERVICE SET F_ENABLED = 'N' WHERE N_WEBSERVICE_ID IN  
([WEBSERVICE_IDS])
```

To enable all the web services, change **N** to **Y**.

### 3.3.2 Updating and Removing a Web Service

To update an existing web service, click the name of the web service. The fields are populated with the web service parameters. After you make the changes, click **Update**.

To remove an existing web service, click the name of the web service and click **Remove**.

### 3.3.3 Populating Data for the Trade Goods and Trade Port Web Services

Data for the Trade goods and Trade port web services are taken from a reference table. To populate data for these web services, do this:

1. In the **EDQ Director** menu, go to the **Watch List Management** project.
2. Right-click on the **Reference Data Refresh** job.
3. Click **Run**. Provide a unique run label and run profile.
4. When you run this job, the port and goods reference data are refreshed at the same time.
5. Go to the **Transaction Filtering** project.
6. Right-click on the **MAIN-Shutdown Real-time Screening** job to shut down all web services.
7. Click **Run**.
8. Right-click on the **MAIN** job to restart all web services.
9. Click **Run**.

## 3.4 <Message Type> Other Field/Subfield Configuration Window

This window allows you to update the other fields which are required for the application. It displays the list of fixed business data/names for the required fields to run the system for any given message type. You can select a business data value to mention the source for a given message type.



**Figure 7: <Message Type> Other Field/Subfield Configuration Window**

Generic Business Data:	Expression ID	Expression Name	Field	Field/Subfield Name
Amount	EXPAMOUNTid	Amount		
Beneficiary Address			59	Name and Address
Beneficiary IBAN/Account/Identifier			59A	Account
Currency	EXPCURRENCYid	Currency		
Message Identifier			20	Sender's Reference
Originator Address			50F[Format1]	Name and Address
Originator Address			50F[Format2]	Name and Address
Originator Address			50H	Name and Address

To update the parameter, click the parameter name. The fields are populated with the field parameters. The following fields are displayed in this window:

**Table 5: Fields in the <Message Type> Other Field/Subfield Configuration Window**

Fields	Field Description
Generic Business Data	This field displays the Business Name of the record that is selected. It is mandatory to configure this field. If the message contains one or more of the B, C, D, or E sequences, you must configure the field with the first tag of the sequence according to the SWIFT standard.
Message Direction	Select <b>INBOUND(o)</b> and <b>OUTBOUND(i)</b> based on the screening requirement from the drop-down list. If a field must be screened only for incoming messages, select <b>inbound</b> , else select <b>outbound</b> . If that field must be screened for both inbound and outbound, then select <b>ANY</b> .
Expression (ID-Name)	Select an expression identifier. When you select an expression identifier, the values are populated in the <b>Field</b> and <b>Field/Subfield Name</b> fields.
Field	Select the field name.
Field/Subfield Name	Select the Subfield Name. This displays the Expression.
Add button	To add a web service, provide the required values in the fields shown above and click <b>Add</b> icon.
Update button	To update a web service, select the web service that you want to update and click <b>Update</b> icon.
Remove button	To remove a web service, select the web service that you want to remove and click <b>Remove</b> icon.

After you make the changes, click **Update**.

## 4 Configuring the Fedwire Message Parameters

To configure the message and screening parameters, follow these steps:

1. Navigate to the **Oracle Financial Services Crime and Compliance Management Anti Money Laundering Cloud Service** landing page.
2. Click **Transaction Filtering Administration**. The **Transaction Filtering Administration** page is displayed.
3. Click **FED Configuration Admin**. The **Message and Screening Configurations** tab is displayed.

**NOTE** The following screens are the same for the Fedwire and SWIFT message parameters.

Figure 8: Message and Screening Configurations tab for Fedwire

Message and Screening Configurations			
Message Type Configuration			
FDBTR1002	Add/Update	Reference Configuration	Save >
			Expression dd
Text Block			
1100	M	Message Disposition	2!n1!c1r1!c
1110	M	Receipt Time Stamp	4!n4!n4!c
1120	M	Output Message Accountability Data	8!n8!c6!n4!n4!n4!c
1130	O	Error	1!c3!c35r
1500	M	Sender Supplied Information	2!n8!c1!c1!c
1510	M	Type/Subtype	2!n2!n
1520	M	Input Cycle Date/Input Source/Input Sequer	8!n8!c6!n
2000	M	Amount	12!n

This tab has the following windows:

- Message Type Configuration Window
- <Message Type> Subfield Level Configuration Window
- <Message Type> Screening Configuration Window
- <Message Type> Other Field/Subfield Configuration Window

### 4.1 Message Type Configuration Window

This window allows you to edit the status, field names, and expressions of the different JSON parameters in the message.

In the **Message Type Configuration** field, select the Fedwire message category.

Each message type has a Text Block. The fields in the Text Block may change depending on the message type.

**Figure 9: Message and Screening Configurations tab for Fedwire**

Message and Screening Configurations

Message Type Configuration

FDBTR1002

Add/Update

Reference Configuration

Save

>

			Expression dd
▲ Text Block			
1100	M	Message Disposition	2!n1!c1r1!c
1110	M	Receipt Time Stamp	4!n4!n4!c
1120	M	Output Message Accountability Data	8!n8!c6!n4!n4!n4!c
1130	O	Error	1!c3!c35r
1500	M	Sender Supplied Information	2!n8!c1!c1!c
1510	M	Type/Subtype	2!n2!n
1520	M	Input Cycle Date/Input Source/Input Sequer	8!n8!c6!n
2000	M	Amount	12!n

In this figure, the first column lists all the message identifiers for the Fedwire message category. The other columns are:

- **Status:** This column mentions whether the field is Mandatory (**M**) or Optional (**O**).
- **FieldName:** This column describes the name of the given field as per Fedwire standards.
- **Expression:** This column depicts the field structure in terms of expression. For example, if the field is a data type, then the maximum length of the field is displayed.

To edit a parameter, click the parameter name. After you make the changes, click **Save**.

### 4.1.1 Adding or Updating a New Message Type

To add or update an existing message type, follow these steps:

1. Click **Add/Update**. The **Attachment Details** window is displayed.
2. Select the type of message that you want to add or update from the drop-down list.

**Figure 10: Attachment Details Window**

The screenshot shows the 'Attachment Details' window. At the top, there is a dropdown menu with 'FDBTR1002' selected. To the right, it says 'Select file to upload:' followed by a 'Choose File' button and the text 'No file chosen'. Below this are 'Upload' and 'Submit' buttons. The main area is a table with two columns: 'Status' and 'Field Name'. The table is currently empty, displaying 'No items to display.'

3. To upload an attachment, click **Choose File** icon. You can upload only one attachment at a time.

**NOTE** This file must be of the format .json or .txt.

4. Click **Upload**.
5. Click **Submit**. The message is displayed in the following table as <Message Type\_draft>.

## 4.1.2 Configuring Message and Transaction References

Any message which contains message references or transaction references, or both, must be configured. To view and change the message reference or transaction reference, click **Reference Configuration**.

For the **Message Reference** field, a unique identifier must be configured at the message level for all message categories. For the Transaction Reference field, a unique identifier must be configured at the transaction level only if applicable for the specific message category.

## 4.2 <Message Type> Subfield Level Configuration Window

This window allows you to add a subfield to a field in the **Message Type Configuration** Window.

**Figure 11: <Message Type> Subfield Level Configuration Window**

The screenshot shows the '<Message Type> Subfield Level Configuration' window. At the top, it says 'FDBTR1002 Subfield Level Configuration'. Below this are three input fields: 'Expression Identifier:' (with a placeholder 'Must enter a unique identify'), 'Expression Name:' (with a placeholder 'Must enter a Name'), and 'Expression Description:' (with a placeholder 'Must enter description'). There are also dropdown menus for 'Field:' and 'Field/Subfield Name:'. To the right of these is a 'Subfield Expression Format & Occurrence:' field with a value of '1' and up/down arrows. At the bottom right are 'Add', 'Update', 'Remove', and 'Clear' buttons. Below these is a table with the following data:

Expression ID	Expression Name	Expression Description	Field	Field/Subfield Name
EXPAMOUNTid	Amount	Transaction Amount	32B	Currency/Transaction Amount
EXPCURRENCYid	Currency	Transaction Currency	32B	Currency/Transaction Amount

1. To add a subfield, provide the required values in the fields shown in the window and click **Add** icon. Enter values in the following fields:

**Table 6: Fields in the <Message Type> Subfield Level Configuration Window**

Fields	Field Description
Expression Identifier	Enter a unique identifier. It must begin with an alpha character and must not contain any spaces. This is a mandatory field.
Expression Name	Enter a name for the expression. The name must be in capital letters. This is a mandatory field.
Expression Description	Enter a description for the Expression. This is a mandatory field.
Field	This field displays a complete list of fields in the drop-down for the given message type. Select the field from this drop-down field to configure the expression.
Field/Subfield Name	This field displays the respective field name or subfield options for the field that was previously selected. Select the subfield from the drop-down list.
Subfield Expression Format & Occurrence	This field is populated when the Field is selected. Select an expression as it as or an element from that expression. You can also enter the number of occurrences for the expression within that message. By default, it is always 1.
Add button	To add a subfield, provide the required values in the fields shown above and click <b>Add</b> icon.
Update button	To update an existing subfield, click the name of the subfield. After you make the changes, click <b>Update</b> icon.
Remove button	To remove an existing subfield, click the name of the subfield and click <b>Remove</b> icon.
Clear button	To clear the data in these fields, click <b>Clear</b> icon.

You can configure the subfield in two ways:

- By configuring the **subfield level data within the option** expression: Do this if you want to configure specific data within the expression.

For example, if 1100 has four options A, B, C, and D in the FDBTR1002 message but you want to configure BIC (Identifier Code) from option A:

Option A:

[/1!a][/34x] (Party Identifier)

4!a2!a2!c[3!c] (Identifier Code)

You must enter the names in the **Subfield Expression Identifier**, **Subfield Name**, and **Subfield Description** fields.

- By configuring the element level data within the subfield expression: Do this if you want to further configure any data out of the subfield.

1. In this example, if you want to configure the country code for field 57, then you can configure 2!a from Identifier Code expression as a country code by giving unique names in the **Subfield Expression Identifier**, **Subfield Name**, and **Subfield Description** fields.

Option A:

[/1!a][/34x] (Party Identifier)

4!a 2!a 2!c[3!c] (Identifier Code)

## 4.1 <Message Type> Screening Configuration Window

This window allows you to add, update, remove, and enable or disable a web service.

**Figure 12: <Message Type> Screening Configuration Window**

Screening webservice	Expression ID	Expression Name	Field	Field/Subfield Name
BIC			4000	
BIC			4100	
BIC			4200	
BIC			5000	
BIC			5100	
BIC			5200	

To view a web service, enter values in the following fields:

**Table 7: Fields in the <Message Type> Screening Configuration Window**

Fields	Field Description
Screening WebService	<p>Select a screening web service from the drop-down list. This field lists all the supported matching web services in the <b>Transaction Filtering</b> application. The following web services are available:</p> <ul style="list-style-type: none"> <li>• BIC</li> <li>• Country and City</li> <li>• Goods Screening</li> <li>• Name and Address</li> <li>• Narrative or Free Text Information</li> <li>• Port Screening</li> </ul> <p>The fields for all web services except Goods Screening are as shown here. For information on the fields for Goods Screening, see .</p>
Expression (ID-Name)	Select an expression identifier. When you select an expression identifier, the values are populated in the <b>Field</b> and <b>Field/Subfield Name</b> fields.
Field	Select the field name.
Field/Subfield Name	Select the subfield name. This displays the expression.
Enable	Select <b>Yes</b> to enable the web service. Select <b>No</b> to disable the web service.

**Table 7: Fields in the <Message Type> Screening Configuration Window**

Fields	Field Description
Message Direction	Select INBOUND(o) and OUTBOUND(i) based on the screening requirement from the drop-down list. If a field must be screened only for incoming messages, select <b>inbound</b> , else select <b>outbound</b> . If that field must be screened for both inbound and outbound, then select <b>ANY</b> .
Jurisdiction	Select <b>All</b> to apply the Webservice for all jurisdictions or select the specific jurisdiction to apply the webservice for a specific jurisdiction. Use the <code>kdd_jrscdn</code> table to configure the jurisdiction values. It has the following columns: <ul style="list-style-type: none"> <li>• JRSDCN_CD: Values must be unique.</li> <li>• JRSDCN_NM: Actual jurisdiction name.</li> <li>• JRSDCN_DSPLY_NM: Jurisdiction name displayed in the Message and Configurations screen.</li> <li>• JRSDCN_DESC_TX: Optional field to add descriptions for the jurisdictions.</li> </ul>
Add button	To add a web service, provide the required values in the fields shown above and click <b>Add</b> icon.
Update button	To update a web service, select the web service that you want to update and click <b>Update</b> icon.
Remove button	To remove a web service, select the web service that you want to remove and click <b>Remove</b> icon.
Enable All button	To enable all web services, click <b>Enable All</b> icon.
Disable All button	To disable all web services, click <b>Disable All</b> icon.

The fields you can use to configure the Goods web service are different from the fields you can use to configure the other web services. These fields are as shown:

**Figure 13: Fields for Goods Web Services**

MT101 Screening Configuration      Screening WebService: Goods Screening

**Goods:** Expression Identifier: (OR) Tag: Field Name:

**Import Country from:** Expression Identifier: (OR) Tag: Field Name:

**Export Country to:** Expression Identifier: (OR) Tag: Field Name:

Message Direction: INBOUND      Enable: Yes

Add Update Remove Enable All Disable All

Input: ( Expression Name: N/A, Tag Name: 59, Field Name: Name and Address )  
Import Country From: ( Expression Name: N/A, Tag Name: 59A, Field Name: Identifier Code )  
Export Country To: ( Expression Name: N/A, Tag Name: 59F, Field Name: Name and Address )

Message Direction: INBOUND  
Enable: Y

**Table 8: Fields in the Goods Web Service Window**

Fields	Field Description
Expression Identifier	Select the Expression for the good.
Tag	Select the tag related to the good. Based on the tag selected, the field name is populated.
Field Name	The field name is populated based on the tag selected.
Message Direction	Select INBOUND(o) and OUTBOUND(i) based on the screening requirement from the drop-down list. If a field must be screened only for incoming messages, select <b>inbound</b> , else select <b>outbound</b> . If that field must be screened for both inbound and outbound, then select <b>ANY</b> .
Enable	Select <b>Yes</b> to enable the message in a direction. Select <b>No</b> to disable the message in a direction.
Add button	To add a web service, provide the required values in the fields shown above and click <b>Add</b> icon.
Update button	To update a web service, select the web service that you want to update and click <b>Update</b> icon.
Remove button	To remove a web service, select the web service that you want to remove and click <b>Remove</b> icon.
Enable All button	To enable all web services, click <b>Enable All</b> icon.
Disable All button	To disable all web services, click <b>Disable All</b> icon.

### 4.1.1 Enabling or Disabling a Web Service

By default, every web service is enabled. You can change the message configuration by disabling a web service. When you do this, the selected web service is not evaluated.

To enable or disable one or more web services, replace the [WEBSERVICE\_IDS] placeholder with the corresponding web service ID. The web services and the corresponding IDs are shown here:

**Table 9: Web Services used in Transaction Filtering**

Web Service	Web Service ID
Name and Address	Name and Address
BIC	BIC
Country and City	Country and City
Narrative or Free Text Information	Narrative or Free Text Information
Port Screening	Port Screening
Goods Screening	Goods Screening

### 4.1.2 Updating and Removing a Web Service



To update an existing web service, click the name of the web service. The fields are populated with the web service parameters. After you make the changes, click **Update**.

To remove an existing web service, click the name of the web service and click **Remove**.

### 4.1.3 Populating Data for the Trade Goods and Trade Port Web Services

Data for the Trade goods and Trade port web services are taken from a reference table. To populate data for these web services, do this:

1. In the **EDQ Director** menu, go to the **Watch List Management** project.
2. Right-click on the **Reference Data Refresh** job.
3. Click **Run**. Provide a unique run label and run profile.
4. When you run this job, the port and goods reference data are refreshed at the same time.
5. Go to the **Transaction Filtering** project.
6. Right-click on the **MAIN-Shutdown Real-time Screening** job to shut down all web services.
7. Click **Run**.
8. Right-click on the **MAIN** job to restart all web services.
9. Click **Run**.

## 4.2 <Message Type> Other Field/Subfield Configuration Window

This window allows you to update the other fields which you can configure in the application. It displays the list of fixed business data/names for the required fields to run the system for any given message type. You can select a business data value to mention the source for a given message type.

Figure 14: Other Field/Subfield Configuration Window

Generic Business Data	Expression ID	Expression Name	Field	Field/Subfield Name
Originator BIC			5000	Identifi
Originator IBAN/Account/Identifier			5000	Identifi
Originator Address			5000	Name and addre
Beneficiary IBAN/Account/Identifier			4200	Identifi
Beneficiary Address			4200	Name and addre
Beneficiary BIC			4200	Identifi
Message Identifier			3320	Sender Referer
Requested Execution Date			1520	Input Cycle Date/Input Source/Input Sequence Number
Amount			2000	Amou

To update the parameter, click the parameter name. The fields are populated with the field parameters. The following fields are displayed in this window:

**Table 10: Fields in the <Message Type> Other Field/Subfield Configuration Window**

Fields	Field Description
Generic Business Data	This field displays the business name of the record that is selected. It is mandatory to configure this field. If the message contains one or more of the B, C, D, or E sequences, you must configure the field with the first tag of the sequence according to the Fedwire standard.
Message Direction	Select INBOUND(o) and OUTBOUND(i) based on the screening requirement from the drop-down list. If a field must be screened only for incoming messages, select inbound, else select outbound. If that field must be screened for both inbound and outbound, then select ANY.
Expression (ID-Name)	Select an expression identifier. When you select an expression identifier, the values are populated in the Field and Field/Subfield Name fields.
Field	Select the field name.
Field/Subfield Name	Select the Subfield Name. This displays the Expression.
Add button	To add a web service, provide the required values in the fields shown above and click <b>Add</b> icon.
Update button	To update a web service, select the web service that you want to update and click <b>Update</b> icon.
Remove button	To remove a web service, select the web service that you want to remove and click <b>Remove</b> icon.

After you make the changes, click **Update**.

## 5 Configurations for ISO20022 Message Parameters

This chapter explains how to configure the parameters for the ISO20022 message category. The **Configuration** window allows you to view the elements associated with an XSD file after you upload the file. The elements are displayed in a tree structure. You must provide the transaction XPath before submitting the file. After the file is submitted, you can view the elements associated with a specific web service and define the XPath priority. This XSD file can be downloaded again. The **Run** page has information on the different tasks associated with the ISO20022 batch.

**NOTE** The XPath of an element is the logical structure or hierarchy of the element within the XSD file.

### 5.1 Configuring the ISO20022 Message Parameters

To configure the ISO20022 message parameters, follow these steps:

1. Navigate to the **Oracle Financial Services Crime and Compliance Management Anti Money Laundering Cloud Service** landing page.
2. Click **Transaction Filtering Administration**. The **Transaction Filtering Administration** page is displayed.
1. Click **ISO Configuration Admin**. The **Configuration** window is displayed.

Figure 15: Configuration Window - ISO20022

Message Provider	Message Scheme	Message Type	Message Version	Download XSD
ISO20022	SEPA Credit Transfer	Customer Credit Transfer Initiation	pain.001.001.08	
ISO20022	SEPA Credit Transfer	FI to FI Customer Credit Transfer	pacs.008.001.07	
ISO20022	SEPA Direct Debit	Payment Return	pain.001.001.08_Draft	
ISO20022	SEPA Credit Transfer	Resolution of Investigation	pain.001.001.08_Draft	
ISO20022		Resolution of Investigation	pain.001.001.08_Draft	
ISO20022		Negative/Positive Response: Resolution of Investigation	pain.001.001.08_Draft	
ISO20022		Financial Institution Credit Transfer	pacs.008.001.02	
ISO20022		Financial Institution Credit Transfer	pacs.008.001.02_Draft	
EPC		Financial Institution Credit Transfer	pacs.008.001.07_Draft	
ISO20022		Customer to Bank Payment Reversal	pain.001.001.08_Draft	

The Message List displays the XSD files associated with each message provider /scheme/message type combination. Click the link in the **Message Provider** column to view the transaction XPaths for the message for every screening type. You can download the XSD for a message by

clicking **Download** in the **Download XSD** column. The XSD is downloaded as a zip folder; unzip the folder to view the XSD files.

2. To upload a new XSD file, click **Add Message**. An **Attachment Details** dialog box opens.

Figure 16: Add Message Dialog Box

The 'Add Message' dialog box for ISO20022 contains the following elements:

- Message Provider:** ISO20022
- Message Scheme:** Select a Message Scheme
- Message Type:** Resolution of Investigation
- Select File to Upload:** Includes an upload icon.
- Select Primary Message:** Radio buttons for pacs.008.001.02.xsd and pain.001.001.08.xsd, with an Upload button.
- XPath Configuration:**
  - Batch:** [Empty text field]
  - Transaction:** [Empty text field]
- Submit:** A button at the bottom right.

3. Select the message provider and message type for the web service. If required, you can also select the message scheme. If you select a message scheme, then the message types change depending on the selected combination of the message provider and message scheme.
4. To upload the parent XSD file and one or more child XSD files, click **Upload** and select the XSD file from your local drive. After you select the file and click **Open**, the XSD file name appears next to the Upload button. Select the radio button next to the primary file name and click **Upload**. A confirmation message appears, “**File uploaded successfully.**” The basic elements related to the uploaded file appear in a tree view.

Figure 17: Add Message Dialog Box

The 'Add Message' dialog box for EPC shows the following configuration:


- Message Provider:** EPC
- Message Scheme:** Select a Message Scheme
- Message Type:** Resolution of Investigation
- Select File to Upload:** Includes an upload icon.
- Select Primary Message:** Radio buttons for pacs.008.001.02.xsd and pain.001.001.08.xsd, with an Upload button.
- XPath Configuration:**
  - Batch:** Document/CstmrCdtTrfInitn/PmtInf
  - Transaction:** Document/CstmrCdtTrfInitn/GrpHdr
- Submit:** A button at the bottom right.

The tree view below the XPath Configuration section shows a hierarchical structure of XML elements. The tree view includes a search bar at the top. The tree view shows the following elements:

- GrpHdr** (Root)
  - MsgId**
    - Authstn
    - MsgId
    - CtrlSum
  - FinInstnId**
    - FinInstnId
    - FinInstnId
    - FinInstnId
  - InitgPty**
    - InitgPty
    - InitgPty
    - InitgPty
  - PstlAdr**
    - PstlAdr
    - PstlAdr
    - PstlAdr
  - TwNm**
    - TwNm
    - TwNm
    - TwNm

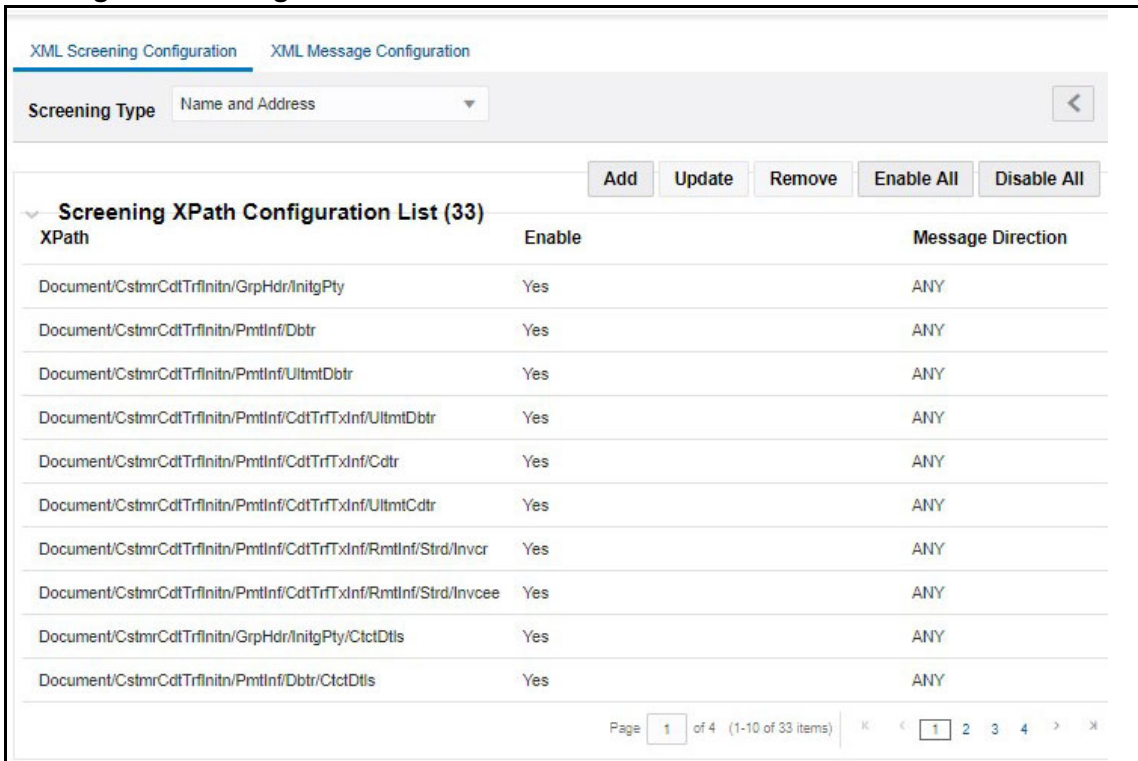
If you want to see the XPath of an element, select the element from the drop-down field. In the example window, the XPath for the `StrNm` element is highlighted in red.

To choose the `Batch` XPath or the `Transaction` XPath of the element, right-click any element node in the Tree view and click **Batch** or **Transaction** respectively. The values appear in the tree view. It is mandatory to select the **Transaction XPath Configuration** before you submit the uploaded files.

**NOTE** To view the child elements for a parent element, mouse over the parent element and click the parent element in the Tree view. If **Zero**  is displayed beside the element name, it means that there are no more child elements you can drill down to.

5. Click **Submit**. The ISO20022 parameter name appears in the **Message List** section with **\_Draft** attached to the parameter name.
6. Navigate to **ISO20022/XML Configuration Admin** in the Admin UI. To complete the configuration, click the message provider link. The **XML Screening Configuration** tab is displayed.

**Figure 18: Message List Window**



The screenshot shows the 'XML Screening Configuration' tab in the Admin UI. At the top, there's a 'Screening Type' dropdown set to 'Name and Address' and a back arrow. Below this are buttons for 'Add', 'Update', 'Remove', 'Enable All', and 'Disable All'. The main section is titled 'Screening XPath Configuration List (33)'. It contains a table with three columns: 'XPath', 'Enable', and 'Message Direction'. The table lists 10 rows of XPath expressions, all with 'Yes' in the 'Enable' column and 'ANY' in the 'Message Direction' column. At the bottom, there's a pagination bar showing 'Page 1 of 4 (1-10 of 33 items)' and navigation controls.

XPath	Enable	Message Direction
Document/CstmrCdtTrfInitn/GrpHdr/InitgPty	Yes	ANY
Document/CstmrCdtTrfInitn/PmtInf/Dbtr	Yes	ANY
Document/CstmrCdtTrfInitn/PmtInf/UltmtDbtr	Yes	ANY
Document/CstmrCdtTrfInitn/PmtInf/CdtTrfTxInf/UltmtDbtr	Yes	ANY
Document/CstmrCdtTrfInitn/PmtInf/CdtTrfTxInf/Cdtr	Yes	ANY
Document/CstmrCdtTrfInitn/PmtInf/CdtTrfTxInf/UltmtCdtr	Yes	ANY
Document/CstmrCdtTrfInitn/PmtInf/CdtTrfTxInf/RmtInf/Strd/Invcr	Yes	ANY
Document/CstmrCdtTrfInitn/PmtInf/CdtTrfTxInf/RmtInf/Strd/Invee	Yes	ANY
Document/CstmrCdtTrfInitn/GrpHdr/InitgPty/CtctDtIs	Yes	ANY
Document/CstmrCdtTrfInitn/PmtInf/Dbtr/CtctDtIs	Yes	ANY

In this tab, you can view the details of the element XPaths available for the selected web service. You can also perform the following actions:

**Table 11: Other Actions**

To...	Do this...
Add a web service configuration	Click <b>Add</b> . The <b>Add a web service configuration</b> fields is displayed. Select the message direction and enable or disable the web service and click <b>Save</b> . Clicking <b>Clear</b> clears any values selected. If you click <b>Cancel</b> , the fields disappear. In the Tree view, right-click any element node and click the element to view the element's XPath. The fields appear in the <b>Screening XPath Configuration List</b> section.
Update a web service configuration	Select the configuration you want to update and click <b>Update</b> . The fields shown in the previous row appear. Make the required changes and click <b>Save</b> . The updated values are displayed in the <b>Screening XPath Configuration List</b> section.
Remove a web service configuration	Select the configuration you want to remove and click <b>Remove</b> . The selected configuration is removed from the <b>Screening XPath Configuration List</b> section.
Enable all web service configurations	Click <b>Enable All</b> .
Disable all web service configurations	Click <b>Disable All</b> .

7. Navigate to **ISO20022/XML Configuration Admin** in the Admin UI and click the message provider link. To add the screening configuration of External Attribute, select the Attributes under the **Screening External Attribute Configuration** list. The **Screening External Attribute Configuration** list is displayed.

In this tab, you can view the details of the attribute name, enable status, and message direction details.

Table 12 describes how to take additional actions.

**Table 12: Other Actions**

To...	Do this...
Add an external attribute configuration	Click <b>Add</b> . The <b>Add an External Attribute configuration</b> fields is displayed: Select the message direction and enable or disable the web service and click <b>Save</b> . Clicking <b>Clear</b> clears any values selected. If you click <b>Cancel</b> , the fields disappear.
Update a web service configuration	Select the configuration you want to update and click <b>Update</b> . The fields shown in the previous row appear. Make the required changes and click <b>Save</b> . The updated values are displayed in the <b>Screening External Attribute Configuration List</b> section.
Remove a web service configuration	Select the configuration you want to remove and click <b>Remove</b> . The selected configuration is removed from the <b>Screening External Attribute Configuration List</b> section.
Enable all web service configurations	Click <b>Enable All</b> .

**Table 12: Other Actions**

To...	Do this...
Disable all web service configurations	Click <b>Disable All</b> .

1. After configuring the External Attributes, give the following attribute names (Same attribute names which are populated in the above tables) in message posting.jsp.

**Example:** SanctionsPost.jsp

```
String AdditionalAttribute1 = request.getParameter("AdditionalAttribute1");
String AdditionalAttribute2 = request.getParameter("AdditionalAttribute2");
String AdditionalAttribute3 = request.getParameter("AdditionalAttribute3");
String AdditionalAttribute4 = request.getParameter("AdditionalAttribute4");
String AdditionalAttribute5 = request.getParameter("AdditionalAttribute5");
```

2. To view the message tag configurations for a field, click the **XML Message Configuration** tab.

**Figure 19: XML Message Configuration Tab**

The screenshot shows the 'XML Message Configuration' tab. It features a 'Message Tag Configuration' section with a 'Message Tag Configuration List (2)' table. The table has five columns: 'Message Tag Field Name', 'Priority 1 XPath', 'Priority 2 XPath', 'Message Direction', and 'Enable'. Two rows are listed, both for 'Batch Reference'. Above the table are 'Add', 'Update', and 'Remove' buttons. To the right of the table is a 'Submit' button.

Message Tag Field Name	Priority 1 XPath	Priority 2 XPath	Message Direction	Enable
Batch Reference	Document/CstmrCdtTrfIntr/PmtInf/UltmtDbtr/	Document/CstmrCdtTrfIntr/PmtInf/BtchBookg	INBOUND	N
Batch Reference	Document/CstmrCdtTrfIntr/PmtInf/UltmtDbtr/	Document/CstmrCdtTrfIntr/PmtInf/BtchBookg	INBOUND	N

You can also perform the following actions:

**Table 13: Other Actions**

To...	Do this...
Add a message configuration	Click <b>Add</b> . The <b>Add a message configuration</b> fields is displayed. Select the business data value, message direction, enable or disable the value, choose the <b>Priority 1 XPath</b> and <b>Priority 2 XPath</b> , and click <b>Save</b> . Clicking <b>Clear</b> clears any values selected. If you click <b>Cancel</b> , the fields disappear. In the Tree view, right-click any element node and click the element to view it's XPath. The fields appear in the <b>Message Tag Configuration List</b> section.
Update a message configuration	Select the configuration you want to update and click <b>Update</b> . The fields shown in the previous row appear. Make the required changes and click <b>Save</b> . The updated values are displayed in the <b>Message Tag Configuration List</b> section.
Remove a message configuration	Select the configuration you want to remove and click <b>Remove</b> . The selected configuration is removed from the <b>Message Tag Configuration List</b> section.



3. Click **Submit**. The ISO20022 parameter name is updated in the **Message List** without **\_Draft**.

### 5.1.1 Running the ISO20022 Batch

The ISO20022 messages are processed using batches. So, you must first create the following folders before you run the ISO20022 batch:

1. Create a folder for the MIS date with the folder name as `##FIC_MIS_DATE##` (the date on which we run the ISO20022 batch) in the following directory structure:

```
##FTPSHARE_PATH##/SANCINFO/STAGE/SEPA/inputXML
```

For example, `/scratch/fccmappchef/SANC807/ftpshare/SANCINFO/STAGE/SEPA/inputXML/20200214`.

20200214 is the MIS Date folder.

2. Create two folders called `OUTBOUND` and `INBOUND` inside the MIS Date folder and create a folder called `INPUT` inside both the folders.

#### NOTE

All the ISO20022 XMLs must be either kept inside the `INPUT` folder inside the `OUTBOUND` folder or the `INPUT` folder inside the `INBOUND` folder based on the direction of the message XML. The ISO20022 batch takes these XMLs as input when it is run.

The directory structures for `OUTBOUND` and `INBOUND` are as follows:

```
##FTPSHARE_PATH##/SANCINFO/STAGE/SEPA/inputXML/##FIC_MIS_DATE##/OUT-  
BOUND/INPUT
```

```
##FTPSHARE_PATH##/SANCINFO/STAGE/SEPA/inputXML/##FIC_MIS_DATE##/INBOUND/  
INPUT
```

For example,

- `/scratch/fccmappchef/SANC807/ftpshare/SANCINFO/STAGE/SEPA/inputXML/20200214/OUTBOUND/INPUT`
- `/scratch/fccmappchef/SANC807/ftpshare/SANCINFO/STAGE/SEPA/inputXML/20200214/INBOUND/INPUT`

After you run the ISO20022 batch, the following actions are performed:

- The `VAL_ERROR`, `PRCSNG_ERROR`, `PROCESSED`, and `FEEDBACK` folders are created as part of the batch processing.
- If any message XML fails during validation, then it is moved to the `VAL_ERROR` folder. The directory structures for `OUTBOUND` and `INBOUND` are as follows:

```
##FTPSHARE_PATH##/SANCINFO/STAGE/SEPA/inputXML/##FIC_MIS_DATE##/OUT-  
BOUND/VAL_ERROR
```

```
##FTPSHARE_PATH##/SANCINFO/STAGE/SEPA/inputXML/##FIC_MIS_DATE##/INBOUND/  
VAL_ERROR
```

- If any message XML fails during the parsing process after validation, then it is moved to the `PRCSNG_ERROR` folder. The folder structures for `OUTBOUND` and `INBOUND` are as follows:

```
##FTPSHARE_PATH##/SANCINFO/STAGE/SEPA/inputXML/##FIC_MIS_DATE##/OUT-  
BOUND/PRCSNG_ERROR
```



```
##FTPSHARE_PATH##/SANCINFO/STAGE/SEPA/inputXML/##FIC_MIS_DATE##/INBOUND/
PRCSNG ERROR
```

- If any message XML is successfully processed, then it is moved to the PROCESSED folder. The directory structures for OUTBOUND and INBOUND are as follows:

```
##FTPSHARE_PATH##/SANCINFO/STAGE/SEPA/inputXML/##FIC_MIS_DATE##/OUT-  
BOUND/VAL ERROR
```

```
##FTPSHARE_PATH##/SANCINFO/STAGE/SEPA/inputXML/##FIC_MIS_DATE##/INBOUND/  
VAL ERROR
```

- After the batch is run successfully, a `##FILE_NAME##_feedback.xml` file is created for each file that is processed. The feedback is created inside the `FEEDBACK` folder. The directory structures for `OUTBOUND` and `INBOUND` are as follows:

```
##FTPSHARE_PATH##/SANCINFO/STAGE/SEPA/inputXML/##FIC_MIS_DATE##/OUT-  
BOUND/FEEDBACK
```

```
##FTPSHARE_PATH##/SANCINFO/STAGE/SEPA/inputXML/##FIC_MIS_DATE##/INBOUND/
FEEDBACK
```

- The logs of the batch are available in the following path:

```
##FIC DB HOME##/log/TF XML
```

For example, /scratch/fccmappchef/SANC807/SANC807/ficdb/log/TF XML

## NOTE

When we take an action (RELEASE/BLOCK) on an alert from the Investigation User Interface, a feedback XML is recreated for the corresponding file with the name ##FILE\_NAME##\_feedback.xml and the name of the previous file with the same name becomes ##FILE\_NAME##\_feedback\_1.xml inside the FEEDBACK folder. So, the ##FILE\_NAME##\_feedback.xml is always the latest feedback file for a corresponding message XML.

To run the batch, follow these steps:

1. Navigate to the **Run** page.









**Figure 20: Run Page**



Run





Code

Name

Folder

 New  View  Edit  Copy  Remove  Authorize  Export  Fire Run

	<input type="checkbox"/>	Code		Name
	<input type="checkbox"/>	Good Guy Expiry Check		Good Guy Expiry Check:SD
	<input checked="" type="checkbox"/>	TF_SEPA_messages_batch_process		TF_SEPA_messages_batch_process:SD

Page  of 1 (1-15 of 2 items)    

2. Select the `TF_SEPA_messages_batch_process` batch and click **Fire Run**. The **Fire Run** page is displayed.

**Figure 21: Fire Run Page**

The screenshot shows a 'Fire Run' configuration window with the following sections:

- Run Definition:** Name: `TF_SEPA_messages_batch_process:SD`, Request Type: `Single`.
- Execution Mode:** Batch: `Create & Execute`, Wait: `No`, MIS Date: (calendar icon).
- Others:** Parameters: (text input), Filters: (large text area).

Buttons: OK, Close.

3. Select **Single** as the **Request Type**.
4. Select **Create & Execute** in the **Batch** field. The **MIS Date** field is displayed.
5. Select the date on which you want to execute the run. This date must be the same as the folder you create before you run the ISO20022 batch. In the example shown, since the **MIS Date** folder name is `20190913`, the date you must select is `09/13/2019`.
6. Click **OK**.

A message "**Batch execution is in progress**" is displayed. Click **Close** to go back to the **Run** page. After the batch is executed, you can view the batch details on the **Batch Monitor** page.

To access the **Batch Monitor** page, click **Operations**, and then click **Batch Monitor**. The **Batch Monitor** page has details of all batches. The batch you have executed is the last in the **Batch Details** list. To run the batch, follow these steps:

- Select the **Batch** and the **MIS Date**. After you select the **MIS Date**, the batch ID appears in the **Batch Run ID** field.
- Select the batch ID.
- Click **Start Monitoring**. The task details associated with the batch appears in the **Task Details** section. You can also view and export the event logs for the batch in the **Event Log** section.

**NOTE**

If the batch run fails, you must restart the batch. In this case, the batch run ID changes.

The task details are as follows:

**Table 14: Task Details**

Task ID	Task Name	Task Description
Task1	TF_CallXMLParser	Parses the XML data into the pre-processing tables.
Task2	TF_CallXMLEDQ	Calls EDQ data to check if there are any matches.
Task3	Message Data Attributes	NA
Task4	TF_CallXMLRTIPopulation	Moves data from the ISO20022 configuration tables to the SWIFT configuration tables to generate OBI reports.
Task5	TF_CallXMLAlertGeneration	Creates alerts and loads data into the alert tables.
Task6	TF_CallXMLImmediate-FeedbackCreation	Populates the feedback table.
Task7	TF_CallXMLImmediate-FeedbackFileGeneration	Generates the feedback in an XML format in the <code>INBOUND/feedback</code> directory for the date on which the run is triggered.
Task8	TF_CallXMLHighlight	Populates the highlighted column in the <code>fsi_rt_al_raw_data</code> table.
Task9	TF_CallUpdateAdditionalMsgDtls	Populates the post-processing alert table with the additional details provided for the alert.
Task10	TF_CallXMLStructuredSepa	Populates the data in the Structured Message tab in the Investigation User Interface.

## 6 Appendix: Message Categories and Message Types

A user of the Transaction Filtering application can use the following message categories:

- [SWIFT Message Types](#)
- [ISO20022 Message Types](#)
- [Fedwire Message Types](#)

Each message category has different message types defined. The following tables list the message categories and associated message types.

### 6.1 SWIFT Message Types

For the SWIFT message category, the message types numbered 1 to 8 are the ready-to-use message types that you can use after you log in. The other message types must be imported manually using the SWIFT migration utility.

**Table 15: SWIFT Message Types**

<b>1</b>	MT101	<b>2</b>	MT103	<b>3</b>	MT110	<b>4</b>	MT202
<b>5</b>	MT202COV	<b>6</b>	MT700	<b>7</b>	MT701	<b>8</b>	MT707
<b>9</b>	MT103STP	<b>10</b>	MT105	<b>11</b>	MT111	<b>12</b>	MT112
<b>13</b>	MT190	<b>14</b>	MT191	<b>15</b>	MT192	<b>16</b>	MT195
<b>17</b>	MT196	<b>18</b>	MT198	<b>19</b>	MT199	<b>20</b>	MT210
<b>21</b>	MT290	<b>22</b>	MT291	<b>23</b>	MT292	<b>24</b>	MT295
<b>25</b>	MT296	<b>26</b>	MT298	<b>27</b>	MT299	<b>28</b>	MT300
<b>29</b>	MT399	<b>30</b>	MT400	<b>31</b>	MT410	<b>32</b>	MT412
<b>33</b>	MT455	<b>34</b>	MT490	<b>35</b>	MT491	<b>36</b>	MT492
<b>37</b>	MT495	<b>38</b>	MT496	<b>39</b>	MT498	<b>40</b>	MT499
<b>41</b>	MT536	<b>42</b>	MT590	<b>43</b>	MT591	<b>44</b>	MT599
<b>45</b>	MT606	<b>46</b>	MT607	<b>47</b>	MT671	<b>48</b>	MT699
<b>49</b>	MT711	<b>50</b>	MT720	<b>51</b>	MT721	<b>52</b>	MT730
<b>53</b>	MT734	<b>54</b>	MT742	<b>55</b>	MT747	<b>56</b>	MT750
<b>57</b>	MT752	<b>58</b>	MT754	<b>59</b>	MT756	<b>60</b>	MT760
<b>61</b>	MT767	<b>62</b>	MT768	<b>63</b>	MT769	<b>64</b>	MT790
<b>65</b>	MT791	<b>66</b>	MT795	<b>67</b>	MT796	<b>68</b>	MT798
<b>69</b>	MT799	<b>70</b>	MT802	<b>71</b>	MT895	<b>72</b>	MT896
<b>73</b>	MT899	<b>74</b>	MT910	<b>75</b>	MT950	<b>76</b>	MT995
<b>77</b>	MT996	<b>78</b>	MT998	<b>79</b>	MT999	<b>80</b>	MT107

**Table 15: SWIFT Message Types**

<b>81</b>	MT204	<b>82</b>	MT416	<b>83</b>	MT420	<b>84</b>	MT430
<b>85</b>	MT516	<b>86</b>	MT526	<b>87</b>	MT581	<b>88</b>	MT592
<b>89</b>	MT608	<b>90</b>	MT705	<b>91</b>	MT710	<b>92</b>	MT792
<b>93</b>	MT801	<b>94</b>	MT900	<b>95</b>	MT320	<b>96</b>	MT604
<b>97</b>	MT605	<b>98</b>	MT732	<b>99</b>	MT740	<b>100</b>	MT940
<b>101</b>	MT942	<b>102</b>	MT985	<b>103</b>	MT986	<b>104</b>	MT890
<b>105</b>	MT895	<b>106</b>	MT896	<b>107</b>	MT899	<b>108</b>	MT900
<b>109</b>	MT910	<b>110</b>	MT940	<b>111</b>	MT942	<b>112</b>	MT950
<b>113</b>	MT985	<b>114</b>	MT986	<b>115</b>	MT995	<b>116</b>	MT996
<b>117</b>	MT998	<b>118</b>	MT999	<b>119</b>	MT102	<b>120</b>	MT104
<b>121</b>	MT200	<b>122</b>	MT203	<b>123</b>	MT456	<b>124</b>	MT708
<b>125</b>	MT321	<b>126</b>	MT540	<b>127</b>	MT541	<b>128</b>	MT542
<b>129</b>	MT543	<b>130</b>	MT544	<b>131</b>	MT305	<b>132</b>	MT396
<b>133</b>	MT568	<b>134</b>	MT596	<b>135</b>	MT696	<b>136</b>	MT304
<b>137</b>	MT350	<b>138</b>	MT362	<b>139</b>	MT566	<b>140</b>	MT765

## 6.2 ISO20022 Message Types

For the ISO20022 message category, the following message types are the ready-to-use message types that you can use after you log in.

**Table 16: ISO20022 Message Types**

<b>1</b>	Pain.001.001.08	<b>2</b>	Pacs.008.001.07	<b>3</b>	Pacs.003.001.02	<b>4</b>	Pacs.008.001.02
<b>5</b>	Pacs.008.001.08	<b>6</b>	Pacs.010.001.03	<b>7</b>	Pain.001.001.09	<b>8</b>	Pacs.009.001.08
<b>9</b>	Pacs.004.001.09	<b>10</b>	Camt.050.001.05	<b>11</b>	camt.026.001.09	<b>12</b>	camt.027.001.09
<b>13</b>	camt.028.001.11	<b>14</b>	camt.029.001.11	<b>15</b>	camt.031.001.06	<b>16</b>	camt.032.001.04
<b>17</b>	camt.033.001.06	<b>18</b>	camt.038.001.04	<b>19</b>	camt.052.001.08	<b>20</b>	camt.052.001.10
<b>21</b>	camt.053.001.08	<b>22</b>	camt.053.001.10	<b>23</b>	camt.054.001.08	<b>24</b>	camt.054.001.09
<b>25</b>	camt.054.001.10	<b>26</b>	camt.056.001.10	<b>27</b>	camt.060.001.05	<b>28</b>	camt.060.001.06
<b>29</b>	camt.087.001.08	<b>30</b>	pacs.002.001.12	<b>31</b>	pacs.003.001.10	<b>32</b>	pacs.004.001.12
<b>33</b>	pacs.008.001.11	<b>34</b>	pacs.009.001.10	<b>35</b>	pacs.010.001.05	<b>36</b>	pacs.028.001.05

## 6.3 Fedwire Message Types

For the Fedwire message category, the following message types are the ready-to-use message types that you can use after you log in.

**Table 17: Fedwire Message Types**

<b>1</b>	FDCTR1000	<b>2</b>	FDBTR1002	<b>3</b>	FDCTR1002	<b>4</b>	FDCTR1008
<b>5</b>	FDCTR1600	<b>6</b>	FDCTR1602	<b>7</b>	FDBTR1600	<b>8</b>	FDBTR1000
<b>9</b>	FDBTR1008	<b>10</b>	FDBTR1602	<b>11</b>	FDCTP1000	<b>12</b>	FDCTP1002
<b>13</b>	FDCTP1008	<b>14</b>	FDCTP1600	<b>15</b>	FDCTP1602	<b>16</b>	FDCKS1600
<b>17</b>	FDCKS1602	<b>18</b>	FDDEP1600	<b>19</b>	FDDEP1602	<b>20</b>	FDFFR1600
<b>21</b>	FDFFR1602	<b>22</b>	FDFFS1600	<b>23</b>	FDFFS1602	<b>24</b>	

## OFSAA Support Contact Details

Raise a Service Request (SR) in [My Oracle Support \(MOS\)](#) for queries related to OFSAA applications.

## Send Us Your Comments

Oracle welcomes your comments and suggestions on the quality and usefulness of this publication. Your input is an important part of the information used for revision.

- Did you find any errors?
- Is the information clearly presented?
- Do you need more information? If so, where?
- Are the examples correct? Do you need more examples?
- What features did you like most about this manual?

If you find any errors or have any other suggestions for improvement, indicate the title and part number of the documentation along with the chapter/section/page number (if available) and contact the Oracle Support.

Before sending us your comments, you might like to ensure that you have the latest version of the document wherein any of your concerns have already been addressed. You can access My Oracle Support site which has all the revised/recently released documents.



