

# commure Data Management Application Quick Reference

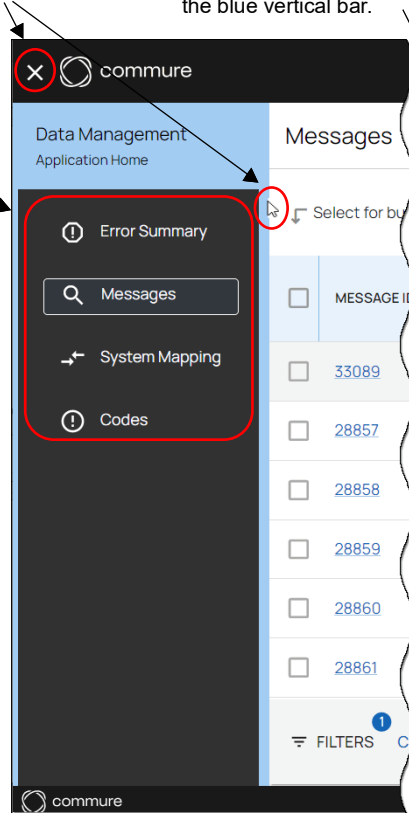
The Data Management Application helps application analysts and integration engineers monitor data integrations between systems, as well as investigate and resolve errors that might occur during the processing of interface messages.

## Getting Around

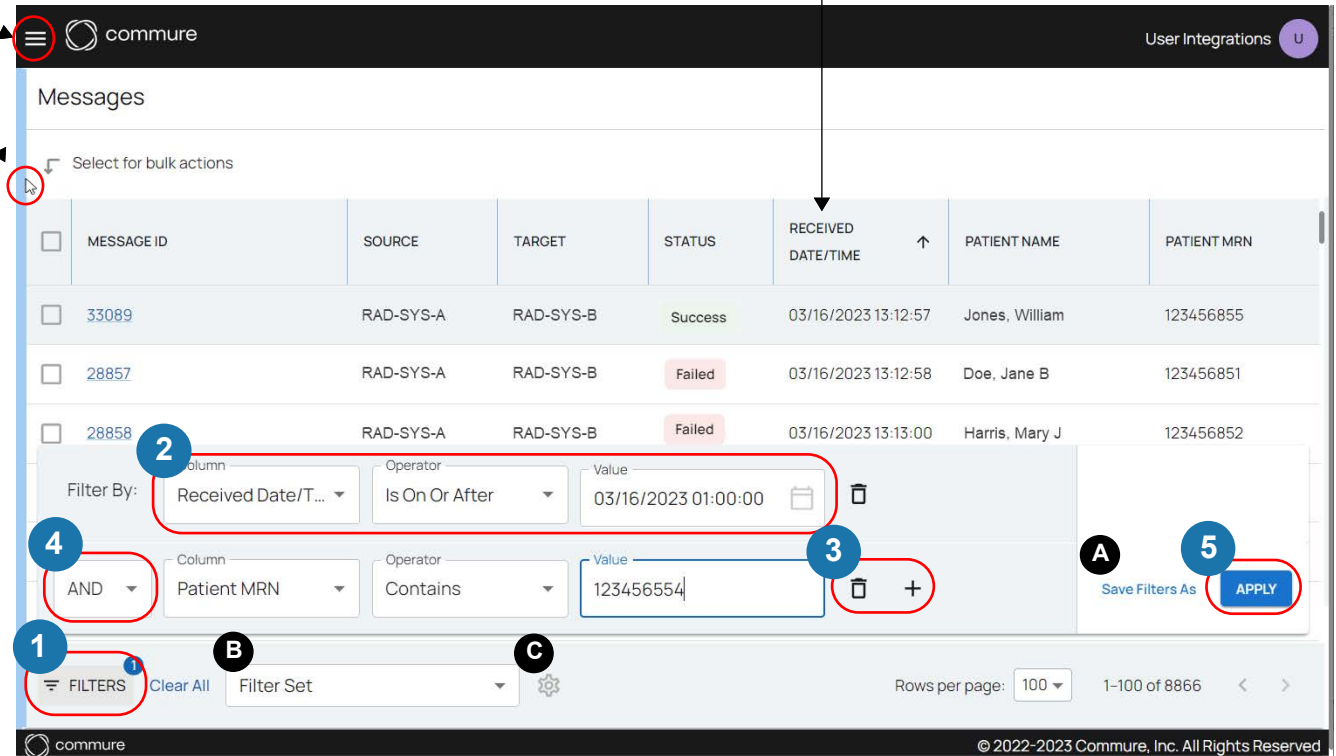
To close the sidebar, click the **X** icon or double-click on the blue vertical bar.

To open the sidebar, click the Menu icon or double-click on the blue vertical bar.

The sidebar lists the available menu options for this application. Click to select one.



Click a heading to sort the rows by the data in that column.




## Using Filters

On any screen, use one or more filters to narrow the results shown on the screen:

1. Click the **Filters** button to pop up the **Filter By** option.
2. Select your first set of criteria (for example, Patient MRN contains 123456554). The text that you enter in the **Value** field will be applied in a case sensitive manner.
3. Click **+** or **-** to add or remove additional criteria.
4. Make sure the operator (AND or OR) is correct. If you have multiple operators, all of them must match (all ANDs, or all ORs).
5. Click **Apply** to apply the filters to the report.

## Saving a Filter Set

You can save frequently used filter combinations for later use:

- A. Click **Save Filters As**, give the Filter Set a name and then save it.
- B. The set is added to the **Filter Set** drop-down, so that you can use it at a later time.
- C. Click the **Gears** icon  to modify or delete a saved filter set (you must select the filter set in the drop-down before the **Gears** icon becomes enabled).

## Reviewing Errors

The **Error Summary** gives you a quick synopsis of all interface errors that are currently unresolved. All errors that have the same **Error Text** are grouped together and listed on a single row of the report. Use this report as a work list -- as you resolve each error, it is removed from this report.

- 1 Click on a link in the **Error Text** column to view the full details of the error.

ERROR TEXT	SOURCE	TARGET	ERROR CATEGORY	SEVERITY	UNRESOLVED COUNT
<a href="#">No matching code for 1427342831 of OBR-16 found in the Radiolog...</a>	RAD-SYS-A	RAD-SYS-B	Code Lookup - No ...	Warning	3055
<a href="#">No matching code for 1922070457 of OBR-32 found in the Radiolog...</a>	RAD-SYS-A	RAD-SYS-B	Code Lookup - No ...	Warning	3054
<a href="#">No matching code for IMG181 of OBR-1.4 found in the Radiology-Ato...</a>	RAD-SYS-A	RAD-SYS-B	Code Lookup - No ...	Failure	3053

This is the number of errors (with this **Error Text**) that are still unresolved.

- 2 All the individual interface messages that have this **Error Text** (and are still unresolved) are displayed at the bottom.

In this example, we see that code "IMG181" from RAD-SYS-A is not mapped to a value in RAD-SYS-B, and that there are many interface messages that had this issue.

- 3 After resolving the error, you might reprocess the interface messages so that they are sent to the receiving system. In this example, you would map code "IMG181" (see *Updating System Mappings & Code Mappings*) and then come back to this screen and:

A. Select the individual message(s) you want to reprocess (or click the bulk edit check box in the blue header to select all of the messages on the current page).

B. Click the **>>REPROCESS** button.

**CAUTION:** Please use care when determining whether to reprocess a message. Reprocessing runs the risk of sending an older version of data that could overwrite a newer version of that same data.

**Error Summary** > No matching code for IMG1...

No matching code for IMG181 of OBR-1.4 found in the Radiology-AtoB-TestCodes.

**IGNORE ERROR**

SOURCE	RAD-SYS-A
TARGET	RAD-SYS-B
ERROR CATEGORY	Code Lookup - No Match
SEVERITY	FAILURE
ERROR TEXT	No matching code for IMG181 of OBR-1.4 found in the Radiology-AtoB-TestCodes.
UNRESOLVED COUNT	3053

**MESSAGES**

**Messages**

**>> REPROCESS**

	MESSAGE ID	RECEIVED DATE/TIME	PATIENT NAME	PATIENT MRN
<input checked="" type="checkbox"/>	31812	03/16/2023 16:28:49	Clark, Harold B	123457788
<input type="checkbox"/>	31811	03/16/2023 16:28:47	Mason, Patrick	123457787
<input type="checkbox"/>	31810	03/16/2023 16:28:42	Gonzales, Trina G	123457786

Click **IGNORE ERROR** for any error that can be safely ignored. This changes the status of the error to **IGNORED** (on each message) and removes the error from the **Error Summary** report.

## Viewing Messages

The **Messages** screen lists all interface messages, including those with and without errors. You can use this option to investigate any issue that is reported to you, such as interface messages not being processed for a particular patient, interface, or time frame.

1 Click on a **Message ID** to view the full details of the interface message.

2 Review the full details of the interface message. If the most recent attempt at processing the message had any errors, they are listed in the **Errors** table at the bottom of the screen. The **Transactions** table lists each attempt at processing the message (usually only one, but if the message failed processing and you reprocessed it, then there may be more than one). It also displays the original and the transformed message for side by side comparison.

3 Once you have addressed the errors (possibly by *Updating System Mappings & Code Mappings*), you can come back to this screen, and then click the **>>REPROCESS MESSAGE** button. This one specific message will be processed again.

You can also reprocess several messages at once from the **Messages** screen by filtering the screen to display the desired messages, clicking the check boxes to select those messages, and then clicking the **>>REPROCESS** button.

The screenshot displays the Commure interface. At the top, the 'Messages' tab is selected. A table lists several messages, with message ID 31812 highlighted. A red circle around 31812 in the table has an arrow pointing to the detailed view below. In the detailed view, the message details are shown, including its status as 'Failed'. Below this, the 'Errors' table is visible, showing two error entries for message 31812. A red circle around the error entries has an arrow pointing to the 'REPROCESS MESSAGE' button in the top right corner of the detailed view. The 'REPROCESS MESSAGE' button is also highlighted with a red circle. The 'Transactions' table is also visible, showing the message's history.

MESSAGE ID	SOURCE	TARGET	STATUS	RECEIVED DATE/TIME	PATIENT NAME	PATIENT MRN
<input checked="" type="checkbox"/> 31812	RAD-SYS-A	RAD-SYS-B	Failed	03/16/2023 16:28:...	Clark, Harold B	123457788
<input checked="" type="checkbox"/> 31811	RAD-SYS-A	RAD-SYS-B	Failed	03/16/2023 16:28:...	Mason, Patrick	123457787
<input type="checkbox"/> 31810	RAD-SYS-A	RAD-SYS-B	Failed	03/16/2023 16:28:...	Gonzales, Trina G	123457786
<input type="checkbox"/> 31809	RAD-SYS-A	RAD-SYS-B	Failed	03/16/2023 16:28:...	Babson, Sarah	123457785

MESSAGE ID	SOURCE	TARGET	STATUS	RECEIVED ON	SUBMITTED ON	PATIENT NAME	PATIENT MRN
31812	RAD-SYS-A	RAD-SYS-B	Failed	03/16/2023 16:28:51	03/16/2023 16:28:49	Clark, Harold B	123457788

SOURCE	TARGET	ERROR CATEGORY	ERROR TEXT	STATUS	SEVERITY
RAD-SYS-A	RAD-SYS-B	Code Lookup - No Mat...	No matching code for 1427342831 of OBR-16 fou...	Active	Warning
RAD-SYS-A	RAD-SYS-B	Code Lookup - No Mat...	No matching code for IMG181 of OBR-1.4 found in...	Active	Failure

# Updating System Mappings & Code Mappings

Use the **System Mappings** option to specify all of the code sets that need to be mapped between the interfacing systems. For example, if you have an interface between Radiology System A and Radiology System B, you might need to add several System Mappings for various code sets, such as Test Codes, Result Codes, etc.

Once a system mapping is created, it is listed on the **System Mapping** screen. Click on a link in the **Name** column to view the details of a system mapping.

NAME	SOURCE SYSTEM	TARGET SYSTEM	DESCRIPTION
<a href="#">Radiology-AtoB-TestCodes</a>	RAD-SYS-A	RAD-SYS-B	Radiology System A to System B Test Codes

Click **CREATE** to create a new system mapping for a code set.

Create System Mapping

Code  
Radiology-AtoB-ResultCodes

Source System  
RAD-SYS-A

Target System  
RAD-SYS-B

Description  
Radiology System A to System B Result Codes

SAVE Cancel

Here is a system mapping for Test Codes, for the interface of Radiology data from Radiology System A to Radiology System B.

The number of system mappings that are required depend on the types of interfaces you have. Consult your Commure representative before setting up system mappings.

Once you have created a System Mapping for a code set, you must then enter the mappings for the actual codes in that code set. For example, you might specify that the test code “IMG3” from Radiology System A should be mapped to test code “GMANDIBLE” in Radiology System B. If there is a many-to-one mapping, you must enter multiple entries (for example, map code “IMG3” to “GMANDIBLE” and also “IMG4” to “GMANDIBLE”).

NAME	Source System	Target System	Description
Radiology-AtoB-TestCodes	RAD-SYS-A	RAD-SYS-B	Radiology System A to System B Test Codes

SOURCE CODE	SOURCE DESCRIPTION	TARGET CODE	TARGET DESCRIPTION
IMG3	X-ray Mandible complete	GMANDIBLE	X-ray Mandible complete
IMG40	Radiologic examination, mastoids	GMASTOIDS	Radiologic examination, mastoids, less than 3 views per side

These are the Test Codes that are already mapped.

Click here to **Edit** or **Delete** a mapping.

Click **EDIT** to modify this system mapping.

Click **+CREATE** to create a new code mapping.

Create code mapping

SOURCE SYSTEM  
RAD-SYS-A

TARGET SYSTEM  
RAD-SYS-B

Source code  
IMG13899

Target code  
GFLEG23

+ Create

SAVE Cancel

In the **Source Code** and **Target Code** fields, type a few characters of the code to search for it, and then select it.

If no matches are found, the **+ Create** button appears. Click it to create a new code. (You can also use the **Codes** menu option to add new codes.)