

## **Consolidator**

<b>Overview .....</b>	<b>1</b>
<b>Starting the Converter and Integrator Utilities.....</b>	<b>1</b>
<b>Understanding the Layout of the Capture Tab on the Integrator Window .....</b>	<b>2</b>
<b>Understanding the Layout of the Encode/Export Tab on the Integrator Window .....</b>	<b>3</b>
<b>Understanding the Layout of the Exceptions Tab on the Integrator Window .....</b>	<b>4</b>



# Consolidator

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## Overview

The Consolidator module aids RemitTrac customers in processing work from Remote Sites. The Consolidator module is comprised of the Converter and the Integrator. These two functions work together to import external image and data files (Batch Set of Files) from the Remote Site into RemitTrac.

The Converter module initiates the process for Remote Sites to provide Batch files to RemitTrac. The Converter reads files from a specified 'Landing Zone' that has been defined in the Remote Site Setup in Site Setup and converts them to a standardized set of format input files that can be read by RemitTrac.

The Integrator module ingests specific format files and places corresponding entries for a batch in the RemitTrac database. The Integrator also logs messages about the communications and files being transferred between the Remote Site and the Host Processing Site (RemitTrac).

The Converter and Integrator do not have to reside on the same workstation. To set up the Consolidator module, including the Converter and Integrator, the Consolidator Configuration XML file must be defined and present in the system. For more information about the Consolidator Configuration XML file, please refer to the Consolidator Configuration section of the "XML Configurations" document in the *RemitTrac Setup Manual*.

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**NOTE:** For the Integrator module to be running, the Integrator window must be active and displayed on the screen. If the Integrator window is closed, the Converter can continue running, but files will not be ingested into the RemitTrac workflow.

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## Starting the Converter and Integrator Utilities

The Converter and Integrator utilities can be started from the RemitTrac Application Utilities ribbon bar.

► **To start the Converter and Integrator utilities**

- From the RemitTrac Application Utilities ribbon bar, click the Converter and/or Integrator icon. Remember that these utilities are not required to reside on the same workstation.

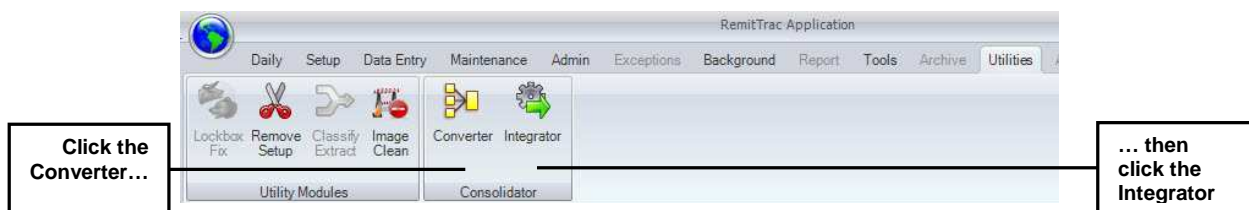


Figure 1. Selecting the Consolidator Icons on the Utilities Ribbon Bar

The Converter will be started as a background task. When the Integrator is started, the **Integrator** window is displayed on the screen. The Integrator window is comprised of three tabs. Table 1 describes the tabs of the Integrator window.

Table 1. Tabs of the Integrator Window	
Element	Function
Capture	Displays messages as messages are imported into RemitTrac
Encode/Export	Displays messages about files that are passed between the Remote Site and RemitTrac
Exceptions	Displays information about batches that failed the loading process into the RemitTrac system.

## Understanding the Layout of the Capture Tab on the Integrator Window

The Capture tab displays messages about batches as they enter RemitTrac and are integrated into the workflow processing.

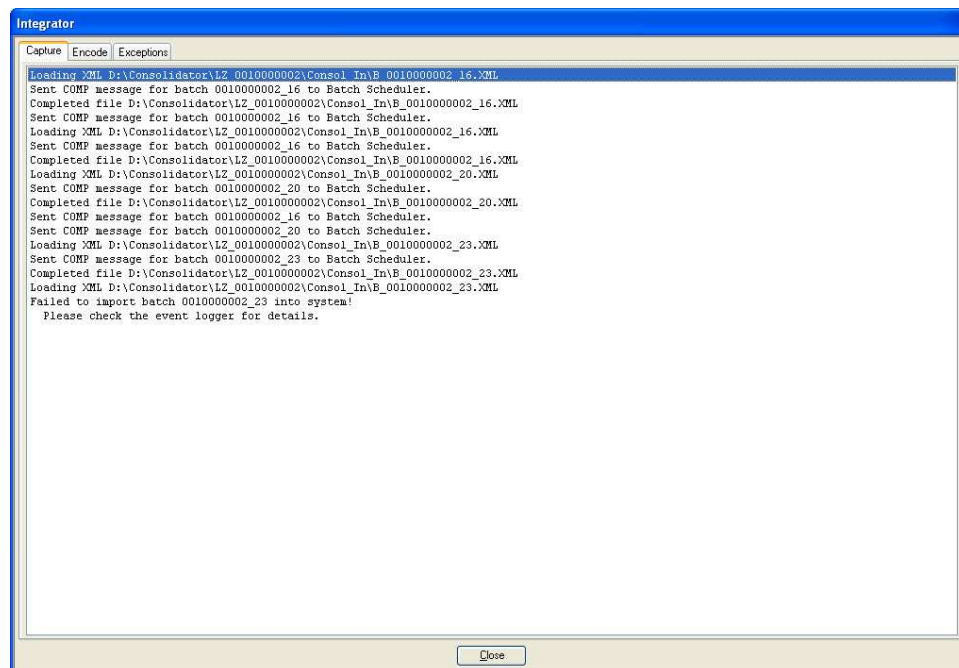


Figure 2. Capture Tab

## Understanding the Layout of the Encode/Export Tab on the Integrator Window

The Encode/Export tab displays messages about files that are passed between the Remote Site and RemitTrac. These files include Setup files and batch response files with updates about the batch in the RemitTrac workflow.

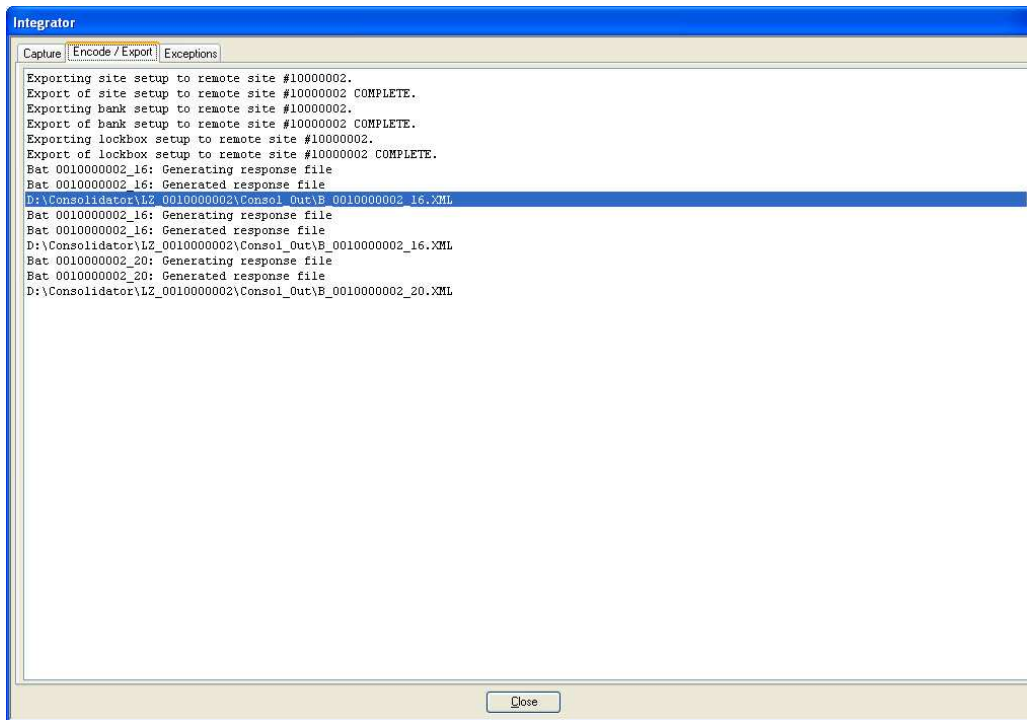


Figure 3. Encode/Export Tab

## Understanding the Layout of the Exceptions Tab on the Integrator Window

The Exceptions tab displays a list of batches that failed the loading process into the RemitTrac system.

**NOTE:** Batches from previous work days will remain on the Exceptions list until an action is performed on the file or until they are removed through the Clean Up and Move process.

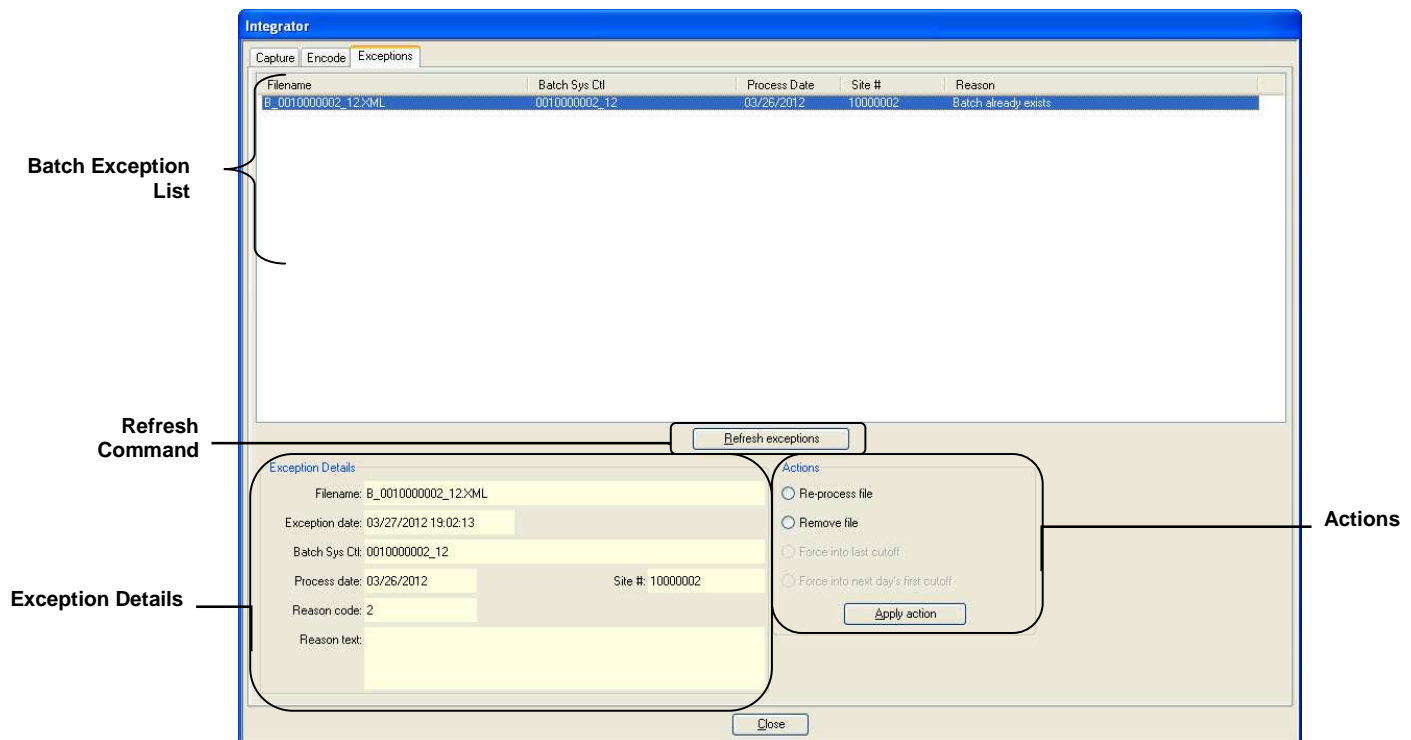


Figure 4. Exceptions Tab

Table 2 describes the elements of the Exceptions tab.

Table 2. Elements of the Exceptions tab

Element	Function
Batch Exception List	List of batches that failed the loading process. Includes batch file name, system control number, process date, site number at which the batch was captured, and reason for the failure.
Refresh Command	Command to refresh the Batch Exception list

**Table 2. Elements of the Exceptions tab (continued)**

<b>Element</b>	<b>Function</b>
Exception Details	Displays details about the batch. Includes the following: <b>Filename:</b> Name of the batch file <b>Exception date:</b> Date and time on which the exception occurred <b>Batch Sys Ctl:</b> RemitTrac batch number <b>Process Date:</b> Date on which the batch was captured <b>Reason Code:</b> Code that describes why the batch failed <b>Reason Text:</b> Text to describe why the batch failed
Actions	Commands to try to rectify the exception error. Re-process file – attempts to resend the file through the converter and integrator correctly Remove file – removes from exception directory to bad directory

Table 3 describes the exception codes that occurred when the batch entered the Integrator module. These exceptions are recoverable issues and can be rectified without re-submitting the batch at the Remote Site.

**Table 3. Recoverable Exception Codes by the Integrator**

<b>Exception Code</b>	<b>Description</b>
1	Batch was not registered
2	Batch already exists, is not marked as deleted and contains items
3	Batch is past cutoff
4	Batch is past cutoff and the lockbox does not allow forcing cutoff on current day or first cutoff of next day
5	Batch contains an item type that was not allowed by the lockbox or form(s)
6	Database error (does not include loss of connection) Check the RemitTrac event logger for details
7	Not enough free space on Image Server. This immediately stops all processing
8	A processing file (FCI, RCI) is missing
21	Could not find lockbox
22	Could not find parent lockbox
23	Could not find bank

**Table 3. Recoverable Exception Codes by the Integrator (continued)**

<b>Exception Code</b>	<b>Description</b>
24	Could not find parent bank
31	Could not find Retail Form
32	Could not find Item Processing Form
33	Could not find Data Entry form
34	Could not find external form
200	Lost connection to database

Table 4 describes exception codes that occurred when the batch entered the Integrator module. These exceptions are non-recoverable issues and must be rectified through action by the Remote Site.

**Table 4. Non-Recoverable Exception Codes by the Integrator**

<b>Exception Code</b>	<b>Description</b>
1001	Corrupt file (e.g., XML cannot be parsed_
1011	Header Remittance counts do not match actual number of Remittances
1012	Header Scandoc counts do not match actual number of Scandocs
1013	Header Payment counts do not match actual number of Payments
1051	Image files can't be moved to Image Server- Access denied
1501	Encode Response file generation failed – Batch deleted

Table 5 describes exception codes that occurred when the batch entered the Converter module. These exceptions are non-recoverable issues.

**Table 5. Non-Recoverable Exception Codes by the Converter**

<b>Exception Code</b>	<b>Description</b>
2001	Conversion error(s)
2021	Image file can't be created in Consol_In directory because there is not enough free space
2022	Image files can't be created in Consol_In directory- Access denied
2031	Extracting ZIP package failed – not enough free space
2032	Extracting ZIP package failed – Invalid password
2033	Exctracting ZIP package failed – File is corrupt
2041	Missing a processing file (e.g., missing an image, missing “index” file)

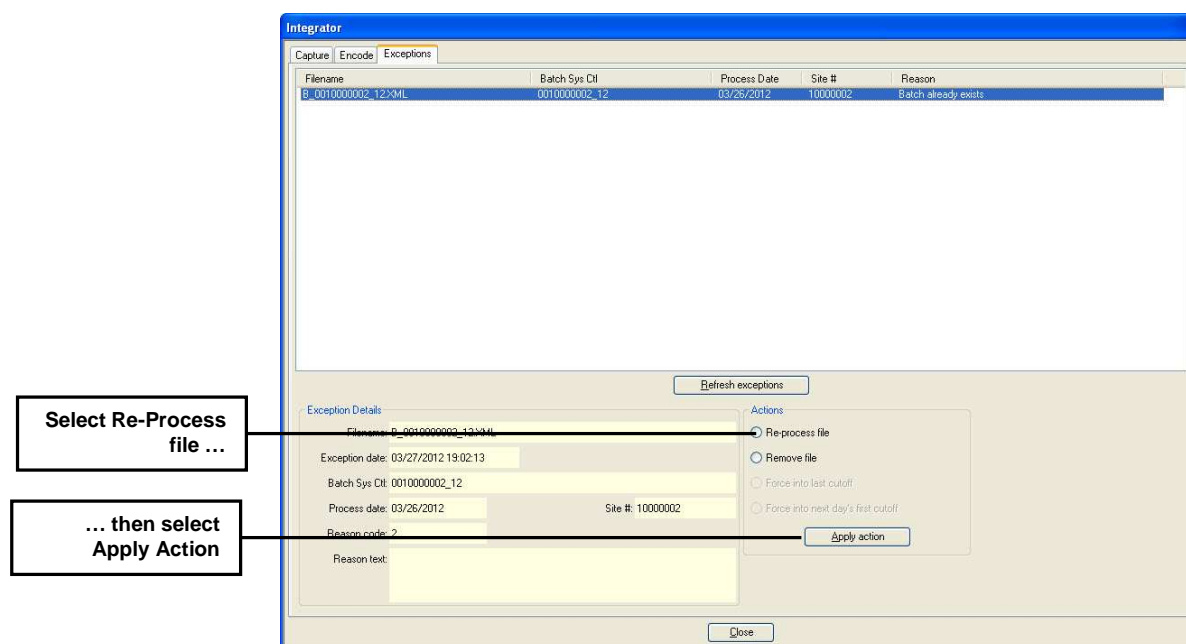


**Table 5. Non-Recoverable Exception Codes by the Converter (continued)**

Exception Code	Description
2052	Encryption failed – missing key from database
2061	Decryption failed – not enough data
2062	Decryption failed – invalid key

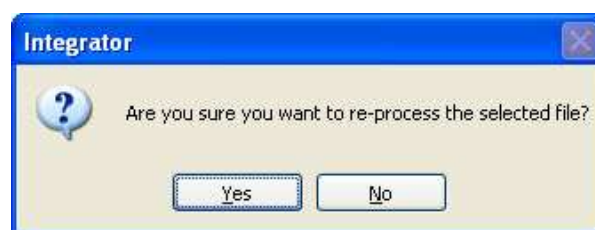
► **To Re-process a Batch file**

1. From the **Actions** area, select Re-process file.
2. Select the **Apply action** command.



**Figure 5. Select Re-Process File**

The following message will be displayed.

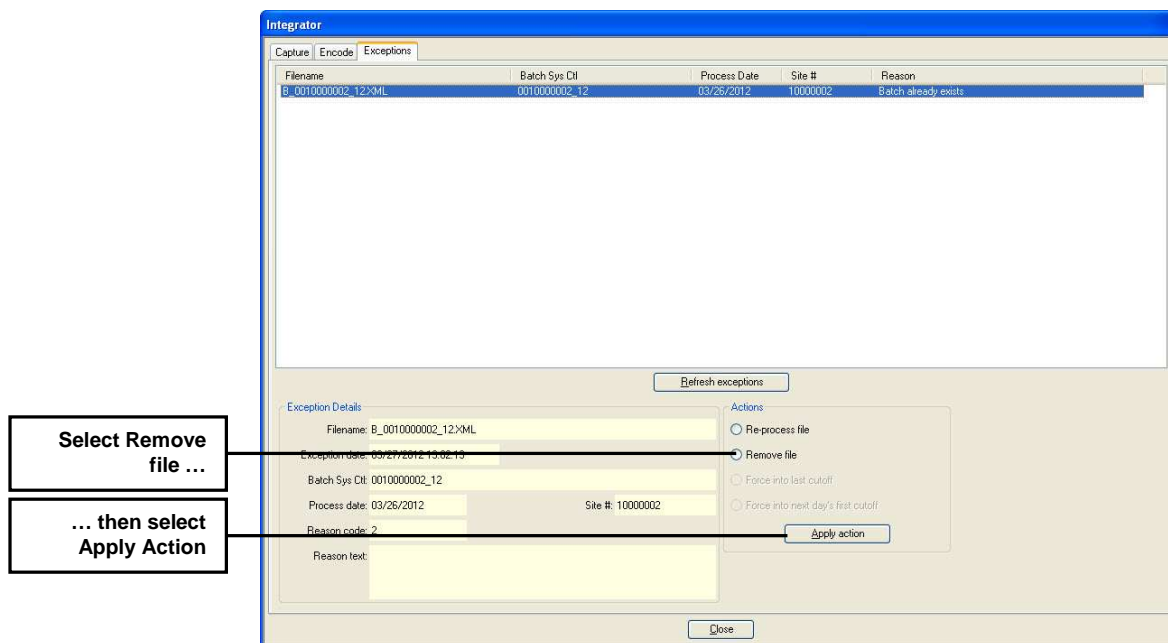


**Figure 6. Re-process Confirmation Message**

3. Select **Y**es to re-process the selected file.
- or-
- Select **N**o to leave the file in the Exceptions list.

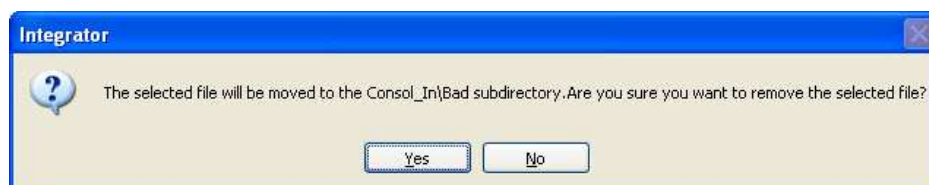
► **To remove a batch file**

1. From the **Actions** area, select Remove file.
2. Select the **Apply action** command.



**Figure 7. Select Remove File**

The following message will be displayed.



**Figure 8. Remove Confirmation Message**

4. Select **Yes** to remove the selected file.
- or-
- Select **No** to leave the file in the Exceptions list.