

Sterling Standards Library



EDI Translation Detail Report

Version 8.0.1, for Sterling B2B Integrator 5.2.1

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Note

Before using this information and the product it supports, read the information in "Notices" on page 7.

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EDI Translation Detail Reports

The EDI Translation Detail report enables you to access EDI data (transaction, group, or interchange) for a specified time period. It further allows you to organize the report by selecting criteria such as direction of the transmission, sender and receiver identifier, envelope name, unique identifier for the envelope level, EDI standard used, and translation success or failure, among other parameters. This report allows you to quickly and easily access information about EDI translation in the Sterling B2B Integrator system.

EDI translation detail reports reflect the number of EDI groups and transactions that were actually processed by the system. If an interchange is non-compliant, its groups are not processed and therefore you cannot view a group count. If a group is non-compliant, its transactions are not processed and therefore you cannot view a transaction count for that group. For example, if you have an interchange that has two groups—each group containing one transaction set—and one of the groups is non-compliant, the EDI translation detail report indicates that the group count for the interchange is **2**, and the transaction count is **1**.

The EDI Translation Detail Report includes a parameter for document size (Doc Size). To improve performance, the Sterling B2B Integrator avoids persisting intermediate documents to the database wherever possible. For example, when transactions are batched, a document is only persisted for the batch rather than for each individual transaction. Similarly, if transactions are being translated, only the translated version of the document is persisted to the database. This behavior greatly improves the Sterling B2B Integrator throughput.

Therefore, depending on the level of the report (interchange, group, or transaction) and the direction of the translation (inbound or outbound), the Doc Size parameter is defined differently:

- When you filter by interchange, the Doc Size parameter contains the actual size of the EDI interchange, regardless of direction (inbound or outbound).
- When you filter by outbound groups, the Doc Size parameter contains the actual size of the EDI interchange.
- When you filter by inbound groups, the Doc Size parameter contains the actual size of the EDI group, including the group level envelope segments.
- When you filter by inbound transactions, the Doc Size parameter contains the post-translation size. If the transaction sets are “batched,” there is one report entry to summarize and total post-translation size is reported. If the transaction sets are not batched, each transaction has its own report entry, and individual post-translation sizes are reported.
- When you filter by outbound transactions, the Doc Size parameter contains the actual size of the entire EDI Interchange. Outbound transactions are always presented as “batched,” with one report entry to summarize multiple transaction sets.
- If the EDI data is formatted as non-streamed, the doc size includes record separators.

The following table lists the EDI Translation Detail reports that are installed with the Sterling B2B Integrator:

Report Name
Description

EDITransDetail_GroupLevel_ByEnvelope

This is an EDI Translation Detail report of group level data organized by envelope name. All other available criteria is reported according to the defaults.

EDITransDetail_GroupLevel_BySenderReceiver

This is an EDI Translation Detail report of group level data organized by sender and receiver. All other available criteria is reported according to the defaults.

EDITransDetail_InterchangeLevel_ByEnvelope

This is an EDI Translation Detail report of interchange level data organized by envelope name. All other available criteria is reported according to the defaults.

EDITransDetail_InterchangeLevel_BySenderReceiver

This is an EDI Translation Detail report of interchange level data organized by sender and receiver. All other available criteria is reported according to the defaults.

EDITransDetail_TransacLevel_ByEnvelope

This is an EDI Translation Detail report of transaction level data organized by envelope name. All other available criteria is reported according to the defaults.

EDITransDetail_TransacLevel_BySenderReceiver

This is an EDI Translation Detail report of transaction level data organized by sender and receiver. All other available criteria is reported according to the defaults.

The EDI Translation Detail report contains a maximum number of rows (10,000 by default). As a result, if you generate a report containing a volume of information that exceeds the limit, the Report engine generates an informational message at the top of the report noting that the report may be incomplete because the number of result matches exceeds the maximum row count for the report. If you receive this message you can either narrow your report configuration search criteria and re-run the report, or you can increase the **maxDetailRowCount** value to a number greater than 10,000. This value is located in the *install_dir/properties/report.properties.in* file.

Note: After making a properties file setting change, you must restart the system for the change to take effect. This change should only be made by the system administrator.

Run or Customize Report

About this task

To run or customize this report:

Procedure

Go to **Operations** → **Reports**.

EDI Translation Detail Report: Level Parameters

Transaction

The report contains information on transactions.

Group The report contains information on groups.

Interchange

The report contains information on interchanges.

EDI Translation Detail Report: Report By Parameters

Report By Fields (transaction)

The available parameters are:

- Sender ID - Receiver ID
- Transaction Envelope

Report By Fields (group)

The available parameters are:

- Group Sender ID - Group Receiver ID
- Group Envelope

Report By Fields (interchange)

The available parameters are:

- Interchange Sender ID - Interchange Receiver ID
 - Interchange Envelope
-

EDI Translation Detail Report: Detail Filtering Parameters

The parameters which are displayed depend on whether you select Transaction, Group, or Interchange as the level by which to report, and the parameters may be displayed in a different order from how they are listed in this table.

Direction

The translation direction: Inbound and/or Outbound.

Interchange Sender ID

The identifier for the sender of the interchange.

Interchange Receiver ID

The identifier for the receiver of the interchange.

Group Sender ID

The identifier for the sender of the group.

Group Receiver ID

The identifier for the receiver of the group.

Sender ID

The identifier for the sender of the transaction.

Receiver ID

The identifier for the receiver of the transaction.

Envelope Name

The name of the interchange envelope.

Interchange Control Number

The unique control number which identifies the interchange.

Operator

The operator filter function enables you to further define search criteria for many report parameters.

Note: Sterling B2B Integrator displays a text box if you select an operator other than ALL.

Functional ID

The functional identifier for the group.

Note: Click **Add** to add the functional ID or select a functional ID from the list and click **Delete** to remove it.

Transaction ID

The identifier for the transaction.

Standard

The EDI standard used to create the interchange:

- CII
- EDIFACT
- X12
- TRADACOMS
- VDA
- SWIFT
- RND
- ACH
- CHIPS
- FEDWIRE
- SPEC2000

Translation Status

The status of the translation: success and/or failure.

Group Count

The number of groups in the interchange.

Transaction Count

The number of transactions in the group.

EDI Translation Detail Report: Detail Filtering(Date) Parameters

The date calculation is made when the report is run. You must select either during previous or a date range.

Parameter	Description
During previous Hours, days, weeks, months	The date period in which the transactions, groups, or interchanges were created.
Or From / To Date	The date range in which the transactions, groups, or interchanges were created.

EDI Translation Detail Report: Detail Filtering (Display Order) Parameters

When you choose a display order, the Report By fields are evaluated as having a set sort order which is not changed by the display order options.

Sort Order (for display)

Whether the report is sorted by transaction, group, or interchange in ascending order (for example, A to Z) or descending order (for example, Z to A).

Order The exact order in which parameters are displayed. Select a parameter and click the arrows keys to arrange the parameters in the desired order.

Error Codes

The following error codes are used in the EDI Translation Detail Report:

Map Iteration Count

Measures the number of times the translator has called the initialize method of the block processor. An iteration of the map is every time the input and output sides of the map are completed. The initialize function is run on both the input and output sides of the map independently.

For example, if you are translating a batch document and the map is really only handling one document in the batch, the translator in many cases will run the map multiple times until the input data has been exhausted. This could be useful if you are translating a batch document and are not sure with which sub-document the translator report entry was associated.

Block Name

The unique name of the record in the map, which will usually be the same as the Block Signature Id Tag. If the tag appears more than once, it will be appended with a colon and a unique number for that tag (for example, in ASC X12, if there is more than one REF segment for a particular transaction set, one of the REF segments could be represented as "REF:3" in the map so it can be referenced uniquely).

Block Signature Tag ID

The tag that identifies a record in the document. It is the segment name in ASC X12.

Field Name

The name of the field contained in the record reported.

Field Number

The position of the field within the record.

Block Count

On the output side, this indicates the number of records that were written by the most recent call to the translator before the entry was made in the report. On the input side, this indicates the number of records that were read by the most recent call to the translator before the entry was made in the report.

Location Index

The current iteration of all groups leading up to the reported record. If the block is at a depth of zero (meaning it is at the root) it will return "0".

Otherwise it will return the current iteration of all groups up to the depth of the reported record. The indices are colon-delimited.

For example, if the reported record is contained inside three nested groups, where the first group is on its 22nd iteration, the second group is on its third iteration, and the third group is on its first iteration "22:03:01" is the location index.

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