

TI EMS Queue Reader

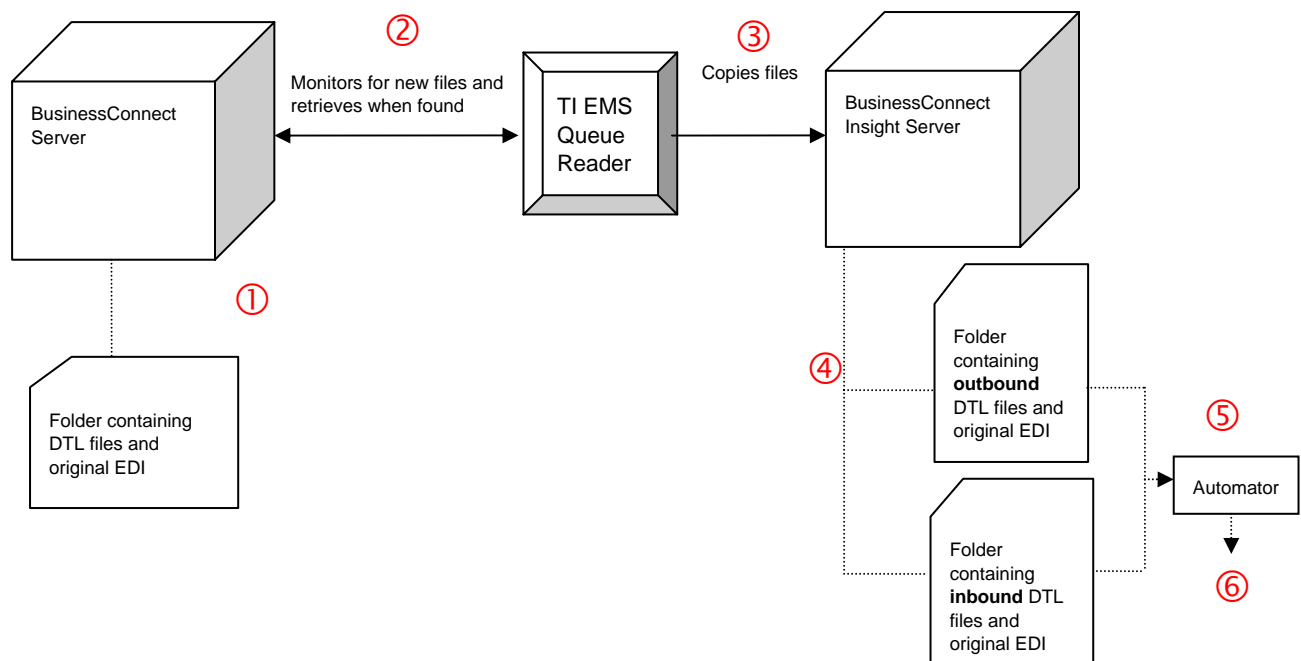
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Overview

The TI EMS Queue Reader monitors the BusinessConnect™ server for processed files and copies those files to the BusinessConnect™ Insight (BCI) server, where they are used to generate data for BCI's reporting capabilities.

Data Flow



- ① When newly processed data is placed in a specified folder on the BusinessConnect server, the server sends a message to the Java message queue (also located on the BusinessConnect server).
- ② The TI EMS Queue Reader, which resides on the BCI server, constantly monitors the Java message queue.
- ③ When a Java message is detected, the TI EMS Queue Reader copies any .dtl (detail) files and associated EDI from the folder on the BusinessConnect server.
- ④ The TI EMS Queue Reader places the data on the BCI server in the appropriate inbound or outbound folder.
- ⑤ TIBCO Foresight Automator retrieves the data from the inbound/outbound folders and runs it through a workflow.
- ⑥ The results are available in BCI.

Before you Begin

Installation

To install the TI EMS Queue Reader,

1. Unzip the files contained in the TIEMSQueueReader.zip file.
2. Place the files in the Automator Java directory (C:\Foresight\ForesightAutomator\7.13.0\java).

Setup on the BusinessConnect Server

Messages sent from the BusinessConnect server to the Java message queue on the BCI server must:

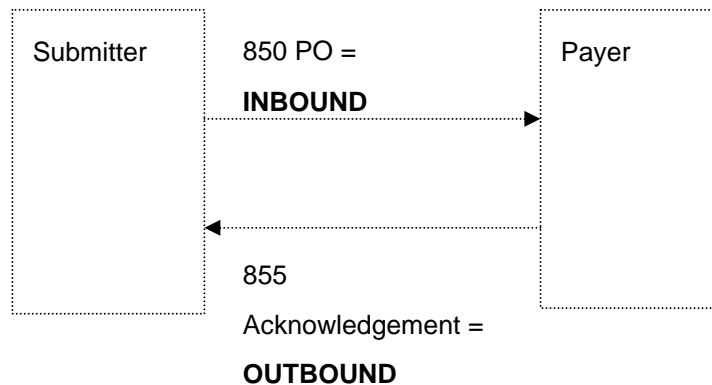
- contain the location of the folder on the BusinessConnect server in which newly processed data will be placed
- specify whether the data contained in the folder is inbound or outbound (see Inbound and Outbound Folders).

Inbound and Outbound Folders

Data coming from the BusinessConnect Server is saved into BCI based on the document query.

For example an X12-5010 850 Purchase Order from a submitter to a payer is an **inbound** document and data pertaining to it would be saved in BCI's Inbound folder.

An 855 Purchase Order Acknowledgement from a payer to a submitter is an **outbound** document and data pertaining to it would be saved in BCI's Outbound folder.



Enabling the TI EMS Queue Reader

Perform the following steps on the BCI server to run the **tibjmsMsgConsumer** command:

1. On the BCI server, open a CMD window (**Start | Run | cmd**).
2. Change directory to the Automator java directory:
cd C:\Foresight\ForesightAutomator\7.13.0\java
3. Enter the command as shown below.

tibjmsMsgConsumer Command

Format of Parameters

```
tibjmsMsgConsumer -server <server URL> -user <user name>
                  -password <password> -topic <topic-name> -queue <queue-name>
                  -ackmode <ack-mode> -dropoffIn <inbound_folder> -dropoffOut
                  <outbound_folder> [ssl options]
```

Where:

<server URL>	EMS server URL; default is local server. (e.g., -server axw3k3.na.tibco.com)
<user name>	User name; default is null.
<password>	Password; default is null.
<topic-name>	Topic name; default is "topic.sample".
<queue-name>	Queue name; no default. (e.g., -queue AX.BC.axw3k3.INSIGHT.REPORT)
<ack-mode>	Acknowledge mode. This can be one of the following: <ul style="list-style-type: none"> - AUTO (Default) - CLIENT - DUPS_OK - NO

- EXPLICIT_CLIENT

- EXPLICIT_CLIENT_DUPS_OK

<inbound_folder> Delivery folder for INBOUND EDI files. (e.g., -dropoffIn E:\BCITest\In)

<outbound_folder> Delivery folder for OUTBOUND EDI files. (e.g., -dropoffOut E:\BCITest\Out)

-help-ssl Help on ssl parameters.

Example

```
cd E:\Foresight\ForesightAutomator\7.11.0\java
java -jar TIEMSQueueReader.jar -dropoffIn E:\BCITest\In -
dropoffOut E:\BCITest\Out -server axw3k3.na.tibco.com -queue
AX.BC.axw3k3.INSIGHT.REPORT
```

Command Response

After running the command, the system responds as shown here.

Command is entered

Server, User, and destination are verified

Destination is contacted

Data has been retrieved

```
E:\Foresight\ForesightAutomator\7.11.0\java>java -jar TIEMSQueueReader.jar -drop
offIn E:\BCITest\In -dropoffOut E:\BCITest\Out -server axw3k3.na.tibco.com -queu
e AX.BC.axw3k3.INSIGHT.REPORT

-----
tibjmsMsgConsumer SAMPLE
-----
Server..... axw3k3.na.tibco.com
User..... <null>
Destination..... AX.BC.axw3k3.INSIGHT.REPORT
-----

Subscribing to destination: AX.BC.axw3k3.INSIGHT.REPORT

Received message: ObjectMessage={ Header={ JMSMessageID={ID:EMS-SERVER.1DB84DA36
FF1ACC:547} JMSDestination={Queue[AX.BC.axw3k3.INSIGHT.REPORT]} JMSReplyTo={null
} JMSDeliveryMode={PERSISTENT} JMSRedelivered={false} JMSCorrelationID={global}
JMSType={X12} JMSTimestamp={Thu May 05 08:27:37 PDT 2011} JMSExpiration={0} JMSP
riority={4} } Properties={ operationID={String:EDI/Inbound/Interchange} } Object
={ {standardID=X12, ediDataFile=E:\tibEDI\Inbound\In\CareFirst\axw3k3-SS-ICR-0000
00004--2011-05-05--08-h-27-m-33-s-875-ms.edi, originalSourceFile=X12_5010_850.da
t, transactionID=8aeb12c22f46426b012fc0c568e95b4d, operationID=EDI/Inbound/Inter
change, instreamResultsFile=E:\tibEDI\AuditReport\In\CareFirst\2011-05-05\axw3k3
-SS-CareFirst-8aeb12c22f46426b012fc0c568e95b4d-InstreamResult--2011-05-05--08-h-
27-m-34-s-671-ms.dat}} }
```

Stopping the TI EMS Queue Reader

To halt the TI EMS Queue Reader, enter **Ctrl-C** in the command line window.

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