

User Manual

Aptean Food and Beverage ERP

Aptean Total Logistix

Product Documentation



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Release notes

Article • 7/22/2026 • 1 min read

To view what's new or changed in each release of the Aptean Total Logistix extension, select the specific release version.

Date	Release version	Description
July 2026	2601.0.0.0	Major release
May 2026	2501.0.315049.0	Hotfix release
October 2025	2501.0.0.0	Feature release
September 2025	2401.3.0.0	Stability release
July 2025	2401.2.0.0	Stability release
August 2024	2401.1.0.0	Stability release
June 2024	2401.0.0.0	Initial release



2601.0.0.0

Release Note • 7/22/2026 • 3 min read

Features

With the features added in this release of the Aptean TLx Integration Connector, you can:

- Send transfer orders to TLx on release by turning on the **Transfer Order** toggle in the **Automatic Send to TLx on Release** group on the **TLx Setup** page. When a transfer order is released, Business Central sends the payload to TLx. If the transfer order is updated after the initial send, Business Central automatically re-sends the updated payload. TLx responds with a ScheduleShipment V2 callback that stores the BOL number, carrier, trailer number, seal number, and scheduled ship date on the transfer order and updates the **TLx Status** field value to **Schedule**. If the **Create warehouse shipment** toggle is turned on in the **TLx Setup** page, Business Central automatically creates a warehouse shipment for the transfer order when the ScheduleShipment callback is received.
- Include lot numbers, serial numbers, expiration dates, and quantities in all outbound TLx payloads (Sales Orders, Purchase Orders, and Transfer Orders) by turning on the **Send Item Tracking** toggle on the **TLx Setup** page. Business Central reads the Reservation Entries for each order line and appends a *Tracking* array to each line item. When lot assignments change on a released order that was already sent to TLx, Business Central automatically re-sends the updated payload.

Enhancements/Modifications

With this release of the Aptean TLx Integration Connector,

- You can configure the **TLx Code** field value on the **Company Information** page to support outbound request processing in multi-company Business Central environments. The system includes an *ERP-Code* HTTP header in every sales order (OB) and purchase order (IB) request by combining the **Client ID** field value from the **TLx Setup** page with the **TLx Code** field value. If the **TLx Code** field value is blank, the system does not include the header.
- The system adds the **Order Date**, **Vendor Code**, **Vendor Name**, and a **Shipper** address block to the purchase order (IB) payload. The address block includes the name, street, city, state, country, postal code, contact, and phone number from the vendor's buy-from address. The system skips fields when the corresponding source values are blank.
- The system adds the **ItemWarehouseCode** field value to purchase order (IB) and sales order (OB) line items. The system derives this value from the line **Location Code** field value and uses the header **Location Code** field value as a default value when the line value is blank.



UI/UX changes

The following UI/UX changes have been made in this release.

- The **Additional Services**, **Send to TLx**, and **TLx Log** actions have been added to the **Transfer Order** card.
- The **TLx Details** FastTab has been added to the **Transfer Order** card.
- The **TLx Code** field has been added to the **Company Information** page.
- The **TLx Freight Payment Type**, **TLx Status**, **Last Sent to TLx**, **TLx Shipment ID**, **TLx Trailer Number**, **TLx Seal Number**, and **TLx Scheduled Ship Date** fields have been added to the **TLx Details** FastTab of the **Transfer Order** card.
- The **Transfer Order** toggle has been added to the **Automatic Send to TLx on Release** group on the **TLx Setup** page.
- The **Send Item Tracking** toggle has been added to the **TLx Setup** page.



2501.0.315049.0

Release Note • 5/5/2026 • 1 min read

Enhancements/Modifications

With this release of the Aptean TLx extension, the system:

- Supports freight payment handling for TLX integration using the **TLX Freight Payment Type** field on the **Purchase Order** page to manage how freight payments are handled.
- Automatically updates the **TLX Freight Payment Type** field value based on the selected **Shipment Method** field value on the **Purchase Order** page.
- Enhancements have been made to include the freight payment type in the outbound TLX request.

UI/UX changes

The **TLx Freight Payment Type** field has been added to the **Purchase Order** page.



2501.0.0.0

Release Note • 10/22/2025 • 3 min read

Features

With the features added in this release of the Aptean TLx Integration Connector,

- You can define when to send sales orders or purchase orders manually to TLx by using the **Sales Order** or **Purchase Order** field, either only after release or when the orders are open and released. To know more, see [Set up TLx with Business Central](#).
- The system uses the TLx unit of measure when sending the request to TLx if you define a value in the **TLX Unit of Measure** field on the associated **Item Card** page. Otherwise, it uses the unit of measure specified in the related order.
- The Schedule Shipment API has been enhanced to accept all shipment details in a JSON payload from TLx into Business Central. It supports existing fields as well as trailer numbers, seal numbers, scheduled ship date, and custom fields. The system considers custom fields as additive. It retains existing values unless you update them and automatically adds any new fields. However, the old API calls continue to work.
- You can view additional shipment details in the **TLx Trailer Number**, **TLx Seal Number**, and **TLx Scheduled Ship Date** fields on the **Sales Order**, **Purchase Order**, **Posted Sales Invoice**, and **Posted Purchase Invoice** pages. You can also view the custom fields in the **TLx Shipment Map Values** FactBox that are defined and sent from TLx. These fields can vary and their values remain blank if they are not available in TLx. You can also view this information on the **TLx Log Details** and **TLx Shipment Map** pages.
- You can view the key values associated with the TLx shipment by executing the **TLx Shipment Map Values** action on the **TLx Shipment Map** page.
- The system tracks whether a sales order is new or already sent to TLx by checking the type of endpoint used. To know more, see [Send the order to TLx on release](#).

UI/UX changes

The following UI/UX changes have been made in this release.

- The **TLx Shipment Map Values** action has been added to the **TLx Shipment Map** page.
- The **Sent to TLX** toggle has been added to the **TLx Details** FastTab of the **Sales Order** and **Purchase Order** pages.
- The **TLx Shipment Map Values** FactBox has been added to the **Sales Order** and **Purchase Order** pages.
- The **Send to TLx on Release** group on the **General** FastTab of the **TLx Setup** page has been renamed as **Automatic Send to TLx on Release**.



- The **Sales Order** and **Purchase Order** fields have been added to the **Manual Send to TLx** group of the **TLx Setup** page.
- The **TLx Unit of Measure** field has been added to the **Item** FastTab on the **Item Card** page.
- The **TLx Trailer Number**, **TLx Seal Number**, and **TLx Scheduled Ship Date** fields have been added to the **TLx Details** FastTab of the **Sales Order** and **Purchase Order** pages.
- The **trailerNumber**, **sealNumber**, **shipmentShipDate** and custom fields have been added to the **TLx Log Details** page.
- The **Trailer Number**, **Seal Number**, and **Scheduled Ship Date** fields have been added to the **TLx Shipment Map** page.



2401.3.0.0

Release Note • 9/24/2025 • 1 min read

Resolved issues

The following issue has been resolved in this release.

ID	Description
318872	An error occurs on the Sales Order page when attempting to select a value in the Customer Name field while creating an order. This issue also occurs on the Purchase Order page when selecting a value in the Vendor Name field.



2401.2.0.0

Release Note • 7/2/2025 • 1 min read

Enhancements/Modifications

With this release of the Aptean Total Logistix extension, the translation file for the Chinese (zh-CN) language has been added.



2401.1.0.0

Release Note • 8/29/2024 • 1 min read

Enhancements/Modifications

With this release of the Aptean Total Logistix (TLx) extension, modifications have been made to accommodate the following changes:

- Enhanced application interaction: Procedures have been added to enhance the application interaction, improve upgrade tag management, streamline upgrade and installation processes, and provide additional flexibility by managing upgrades on a per-company and per-database basis.
- Application area refresh: Updates have been implemented to improve the application area refresh process by integrating a new procedure into the *Enable* codeunit.
- Improved management of install and upgrade code: The *Install* and *Upgrade* codeunits have been updated to streamline the handling of installation, reinstallation, and upgrade processes, ensuring smoother transitions and minimizing disruptions during these operations.
- Centralized license management procedures: The existing license management codeunit has been modified to use centralized license management procedures, further reducing the need for application-specific adjustments.
- Enhancements have been made to update the process within the application to handle the *User Group* and *User Group Permission Set* tables. This change ensures compatibility with current and future versions of Business Central, even when the *User Group* and *User Group Permission Set* tables are deprecated.

! Note

The *User Group* and *User Group Permission Set* tables are deprecated in Business Central, version 25.



2401.0.0.0

Release Note • 6/19/2024 • 1 min read

With this release of the Aptean Total Logistix extension, you can:

- Set up the integration between Business Central and TLx. To know more see, [Set up TLx with Business Central](#).
- Define the shipment method code that should send information to TLx. To know more see, [Define the shipment method for TLx](#).
- Set to automatically send the released sales or purchase order information for routing to TLx. To know more, see [Send the order to TLx on release](#).
- Assign shipping services to the customer and ship-to address to update them automatically during the creation of sales orders. To know more, see [Assign shipping services to customers/ship-to addresses](#).
- View all the transactions between Business Central and the TLx. To know more, see, [Entries in TLx log](#).
- Automatically create warehouse shipments with locations that support it based on the setup and update from TLx. To know more, see [Automated warehouse shipment creation](#).
- Create purchase invoices based on the TLx Setup for both the orders with shipments and without shipments. To know more, see [Create purchase invoice from TLx](#).



Introduction

Article • 6/24/2024 • 1 min read

The Aptean Total Logistix (TLx) extension facilitates the connection between the Business Central and Aptean TOTALogistix, simplifying authentication and providing customizable settings.

It defines shipment methods, automates order information transmission and warehouse shipment creation, and updates shipping services and addresses.

Additionally, it records all transactions between BC and TOTALogistix seamlessly with comprehensive logging capabilities.



Setup

Article • 8/5/2024 • 1 min read

The following setups are required.

- [Manage permission sets](#)
- [Set up TLx with Business Central](#)



Manage permission sets

Article • 8/5/2024 • 3 min read

Permission sets in Business Central define a user's access level to various features and data within this extension.

We provide the following system permission sets:

- Direct
- Indirect

Direct permission sets

Users with this permission set can perform specific actions directly without requiring additional approvals or workflows. These sets include permissions to read, modify, delete, and create data.

The direct permission set ID for this extension is *APTEANTLX151FDW*.

Indirect permission sets

Users with this permission set can perform specific actions. This is used in conjunction with other permission sets to allow you to perform certain actions. These permissions typically involve additional conditions or approvals before the action can be completed.

The indirect permission set ID for this extension is *APTEANTLXBASIC151FDW*.

User-defined permission sets

In addition to the system permission sets we provide, you can create new permission sets or copy system permission sets and modify or delete access to specific entities according to your requirements. For more information, see [Assign permissions to users and groups](#).

Assign a permission set

1. Select the Search icon , enter **Users**, and then choose the related link.
The **Users** list page opens.
2. Navigate to the username for which you want to assign the permission set and select it.
The **User Card** page opens.
3. On the **User Permission Sets** FastTab, in the **Permission Set** field, enter the valid permission set for this extension.



The associated fields are automatically updated based on the entered value. The user has the necessary permissions to use the features of the Aptean Total Logistix extension, ensuring secure and role-based access.



Create an app registration in Microsoft Entra ID

Article • 9/15/2025 • 17 min read

To enable the Aptean TLx connector to authenticate and exchange data with Business Central, you must create an app registration in Microsoft Entra ID (formerly known as Azure Active Directory).

Create an app registration

To create an app registration in the Microsoft Entra ID admin center, generate a client secret, and grant Business Central API permissions, follow these steps:

1. Open the [Microsoft Azure](#) portal and log in with your credentials.
2. Select the **All Services** menu.

The **All services** page opens.

3. On the search bar, enter **App registrations**, and then select the related link from the results.

The **App registrations** page opens.

4. Select **New registration**.

The **Register an application** window opens.

5. In the **Name** field, enter Aptean *TLx*.
6. In the **Supported account types** field, select the *Accounts in this organizational directory only* option.
7. In the **Redirect URI (optional)** section, in the **Select a platform** dropdown, select *Web*.
8. Enter <https://businesscentral.dynamics.com/OAuthLanding.htm> as the redirect URL.
9. Select **Register** to complete the application registration process.

The Aptean TLx connector has been registered. You can view the client ID and the related information on the page. Make sure to note this value, as it will be required later in the setup process.

Generate a client secret

To generate a client secret, follow these steps:



1. On the menu bar, select **Manage > Certificates & secrets**.

2. Select **New client secret**.

The **Add a client secret** window opens.

3. In the **Description** field, enter a description for the client secret.

4. In the **Expires** field, select the desired expiration period for the client secret.

5. Select **Add**.

6. After the secret key is added, copy the data in the **Value** field to your clipboard from the **Client secrets** tab. Make sure to save this value, as it will be needed later in the setup. The secret key is not visible after you navigate away. If you lose the secret value, you will need to create a new secret key.

The secret key is generated.

Configure API permissions

To configure the necessary API permissions, on the menu bar, select **Manage > API permissions**.

1. Select **+ Add a permission**.

The **Request API permissions** page opens.

2. Select **Dynamics 365 Business Central**.

3. Select the **Delegated permissions** tile.

4. In the **Select permissions** field, select the required permissions.

5. Select **Add permissions**.

After all the necessary permissions are added, your API permissions are configured.

App registration is complete. Make sure to note down the following two fields:

- Client ID



- Secret Value



Set up TLx with Business Central

Article • 7/22/2026 • 5 min read

The **TLx Setup** page streamlines the connection between the Business Central (BC) and TLx. It manages authentication, allowing BC to send tokens to TLx for a secure connection. This page also offers settings to control and manage the connection between BC and TLx.

To set up the integration, follow the below steps:

1. Select the Search icon , enter **TLx Setup**, and then choose the related link.

The **TLx Setup** page opens.

2. On the **General** FastTab, in the **Automatic Send to TLx on Release** group, turn on the **Sales Order** toggle to automatically send the released sales order to TLx for routing.
3. Similarly, turn on the **Purchase Order** toggle to automatically send the released purchase order to TLx.
4. Similarly, turn on the **Transfer Order** toggle to automatically send the released transfer order to TLx

Note

You can send documents to TLx even if the mentioned toggles are turned off on the **TLx Setup** page, by using the **Send to TLx** action directly on the **Sales Order** and **Purchase Order** and **Transfer Order Card** pages.

5. Turn on the **Create Warehouse Shipment** toggle to automatically create a warehouse shipment for the orders that are routed in TLx. To know more, see [Automated warehouse shipment creation](#).
6. In the **Manual Send to TLx** group, in the **Sales Orders** field, you can select an option. The available options are: *Released only* and *Open and Released*. The default option is *Released only*.
7. In the **Purchase Order** field, you can select an option. The available options are *Released only* and *Open and Released*. The default option is *Released only*.
8. In the **Transfer Order** field, you can select an option. The available options are *Released only* and *Open and Released*. The default option is *Released only*.
9. In the **Units of Measure** group, in the **Weight** field, select the unit that represents how you want the item weights to appear in transactions. The options are *Pound (lbs)*, *Kilogram (kg)*, and *Metric Ton (mt)*. *Pound (lbs)* is set as the default value.
10. In the **Length** field, select the unit that represents how you want the dimension of items to appear in transactions.
The options are *Inches (in)* and *Centimeters (cm)*. The default value is *Inches (in)*.



Note

In TLx, the default units for weight and length are pounds and inches, respectively. If alternative options are configured in Business Central, they will be converted accordingly.

The system uses the TLX unit of measure when sending the request to TLX if you define a value in the **TLX Unit of Measure** field on the associated **Item Card** page. Otherwise, it uses the unit of measure specified in the related order. However, the TLX unit of measure is associated to the item unit of measure and if a conversion is defined between TLx unit of measure and base unit of measure, the system automatically performs the calculation in the payload.

11. In the **Item Tracking group**, turn on the **Send Item Tracking** toggle to send item tracking information to TLX
12. In the **Cost Handling group**, in the **Cost Handling** field, choose the desired value. The options are blank and *Purchase Invoice*.
If this field is set to blank, the other fields in the **Cost Handling** group will be disabled.
13. In the **Purchase Invoice Nos.** field, select the number series for the purchase invoices created for TLX. If this field is empty, the number series for purchase invoices follow the settings on the **Purchases & Payables Setup** page. If the field is also empty on the **Purchases & Payables Setup** page, purchase invoices sent from TLx to Business Central will not be generated.
14. In the **Purchase Invoice Line-Item Type** field, select the desired value. The options are blank, *Item Charge* and *G/L Account*. It specifies the type of line-item used when generating a purchase invoice for freight costs. If this field is set to blank, the fields associated with G/L account and item charge will be disabled.

Note

The **Purchase Invoice Nos.** and **Purchase Invoice Line-Item Type** fields are editable only when the **Cost Handling** field is set to *Purchase Invoice*.

15. In the **Item Charge No.** field, select the desired value.
It indicates the item used in the purchase line during the creation of a purchase invoice for freight.
16. In the **Allocation method** field, choose the desired value from the dropdown.
The options are available from Standard Business Central, include blank, *Equally*, *Amount*, *Weight*, and *Volume*. This describes the charge allocation method for purchase invoices created in TLx.

Note

The **Item Charge No.** and **Allocation method** fields are editable only when the **Purchase Invoice Line-Item Type** field is set to *Item Charge*.

17. In the **G/L Account** field, select the G/L account number to include on the purchase line when creating a purchase invoice for freight.



This field is editable only when the **Purchase Invoice Line-Item Type** field is set to *G/L Account*.

To establish the authentication between the Business Central and TLx

Follow the steps below to initiate the authentication process between the Business Central and TLx.

1. On the **API Authentication** FastTab, in the **Client ID** field, enter the valid ID.
2. In the **Client Secret** field, enter the secret key.
3. In the **Authentication Endpoint** and **API Endpoint** fields, enter the valid TLx environment URL.

Note

The fields are editable only when the **Unlock Auth Fields** action is executed.



To edit or lock the authentication fields

Article • 6/21/2024 • 1 min read

You can edit or lock the authentication fields by performing the following actions:

- To edit all the fields on the **API Authentication** FastTab, select the **Unlock Auth Fields** action on the action bar.
- To lock these fields, select the **Lock Auth Fields** action.



To control the connection between Business Central and TLx

Article • 6/21/2024 • 1 min read

You can control/check the connection between the Business Central and TLx through the following actions:

Test Auth. - The system sends the API call to TLx as a prior request ensuring the connection between the Business Central and TLx. If successful, a confirmation message appears or else an error is thrown.

Note

When this action is executed for the first time, the Business Central sends a confirmation message to check the frequency and acceptance of the process. The first transaction between Business Central and TLx will take additional minutes than usual.

Delete Access Token – Deletes the current access token and forces the connection for reauthentication during the next API call. You will receive a confirmation message while executing the action.

Check Auth. Token Expiration – Checks if any authentication token exists and displays the expiration date and time associated with the prevailing token. If this action is executed after deleting the access token, a notification appears stating that no valid authentication token prevails.

Set Default API Endpoints – Sets the API Endpoints to the Sandbox or Production environment of the TLx as per the selection. You will receive a confirmation message while switching between the environments.



Define the shipment method for TLx

Article • 5/5/2026 • 2 min read

The Aptean Total Logistics extension allows you to define which shipment method codes prompt the system to send the information to TLx. It also enables you to specify whether the order is prepaid or collect.

To setup the Shipment Code for TLx, follow the steps below:

1. Select the Search icon , enter **Shipment Methods**, and then choose the related link.

The **Shipment Methods** page opens.

2. Select the **Send to TLx** checkbox if the respective shipment method code on the orders can be sent to TLx.

3. In the **TLx Freight Payment Type** field, select the desired value from the dropdown.

The available options are blank, *Prepaid*, and *Collect*.

It indicates if the payment for the shipment is to be done or receipt or in advance. This payment type option is applicable only for shipments associated with sales orders and purchase orders.

! Note

This field is accessible only when the **Send to TLx** checkbox is selected.



Assign shipping services to customers/ship to addresses

Article • 6/21/2024 • 1 min read

You can assign the shipping services to the customer or to a specific ship-to address which are linked to the sales order during the creation of the order with the related customer or ship-to address.

To setup the shipping services for the customer, follow the below steps: 1. Navigate to the desired **Customer Card** page.

1. On the action bar, select **Related > Shipping Services**.
The **TLx Customer Shipping Services** page opens.
2. In the **Code** field, select the desired code.
3. In the **Description** field, enter the explanatory text.
4. Navigate to the **Ship-to Address** page of the selected customer.
5. On the action bar, select **Related > Shipping Services**.
6. Repeat the steps 3 and 4.

! Note

The shipment method code selected should have the **Send to TLx** checkbox selected, else it will be 0.

On creating the sales order for the above selected customer, the **Includes Shipping Services** field is updated with 2 as two shipping services are added.

! Note

The shipping services should be added to a customer before releasing the order.



Send the order to TLx on release

Article • 7/22/2026 • 5 min read

The Aptean Total Logistics extension allows you to automatically send the released sales or purchase order to TLx for routing based on the shipment method code linked to the customer or vendor and the configuration on the **TLx Setup** page.

To set up the required details on the sales order, follow the below steps:

1. Select the Search icon , enter **Sales Orders**, and then choose the related link.

The **Sales Orders** list page opens.

2. Select the desired **No.**

The **Sales Order** card page opens.

On the **TLx Details** FastTab,

- In the **TLx Payment Type** field, the value is automatically inherited based on the **Shipment Method Code** selected.
This field is editable only when the **Status** field is set to *open*.
- In the **TLx Status** field, the value is automatically inherited based on the status of the document in TLx.
- In the **Last Sent to TLx** field, the value is updated with the date and time when the order is sent to TLx. This will remain empty till the order is sent to TLx.
- In the **TLx Shipment ID** field, the value is updated once the shipment is created in TLx.
- The **Shipping Services Included** field is updated with the number of predefined services assigned for the order.
- In the **TLx Trailer Number**, **TLx Seal Number**, and **TLx Scheduled Ship Date** field values are updated on the **TLx Shipment Map Values** page based on the information received from TLx.

Note

You can also send the released order to TLx manually by selecting **Actions > Functions > Send to TLx** on the action bar of the **Sales Order** card page when the system does not automatically send the order due to the setup, connection or authentication issues.

You will receive a notification message for confirmation to send the related information to TLx during the release of the order.

Note

The **TLx Details** FastTab is visible only when the **Shipment Method Code** selected on the order is configured with the **Sent to TLx** checkbox selected.



When you reopen the released sales order, the system deletes the order in TLx automatically by sending the cancel shipment request.

When you try to reopen the sales order with the TLx status not equal to *Open*, any changes made to the order will not be sent to TLx and a confirmation message will appear.

Send sales order information to TLx

When you release the sales order and the **Sales Order** toggle in the **Send to TLx on Release** group of the **TLx Setup** page is turned on, then the information from the order is exchanged with TLx.

This updates the **Shipment Status** field as *Open* for the **Document Type** field value set as *Sales* on the **TLx Order Status** page. Also, the following fields are updated on the **TLx Log** page as below:

Field	Value
Log Date/Time	The time when the sales order is released and sent to TLx.
Request Type	Send Sales Order
Request Information	The additional information about the sales order.
Details	Yes

The **TLx Log Details** page is also updated with the **Data Direction** field as *Outbound* and also with respective values in the **Variable Name** and **Variable Values** fields.

The fields on the **TLx Details** FastTab of the associated sales order get updated as follows:

Field	Description
TLx Payment Type	Scheduled
Last Sent to TLx	The time when the sales order is released and sent to TLx.
TLx Shipment ID	Indicate the Shipment ID generated for this order in TLx.
Shipping Services Included	Display the number of shipping services included for the customer or item linked to the selected order.

This works similarly for the purchase order and transfer order, except that the **Shipping Services Included** field is not available on the **Purchase Order** page.

- If the **Shipment Method Code** field contains a value, the system sets the **TLx Freight Payment Type** field value on the **Purchase Order** and **Transfer Order** page to *Prepaid* or *Collect* and if no value exists, the system sets it to



None.

- On the **Purchase Quote** page, the system does not display the field, however, upon selecting the **Shipment Method Code** field value and converting to an order, the system derives and sets the **TLx Freight Payment Type** field value on the **Purchase Order** page accordingly.

The system tracks whether a sales order is new or already sent to TLX by checking the type of endpoint used. It sends new orders using the **/parse-json** endpoint with **POST** and updates existing orders using the **/update-file** endpoint with **PUT**, while integration events allow modification of the order data before sending. The system automatically turns on the **Sent to TLX** toggle on the **TLX Details** FastTab to indicate that the order has been to TLX.



Entries in TLx log

Article • 5/5/2026 • 3 min read

The **TLx Log** page records all data transfers between the Business Central and TotalLogistix. It can be accessed from the **TLx Setup**, **Sales Order**, and **Purchase Order** pages, as well as directly through the Tell Me function.

!

Note

Execute the **Related** action on the respective pages to access the **TLx Log** page.

To view the data transfer records on the **TLx Log** page,

Select the Search icon , enter **TLx Log**, and then choose the related link.
The **TLx Log** list page opens.

You can view the relevant information as follows:

Field	Description
Entry No.	Specifies with the entry record number from a number series. By default, these entries are sorted in descending order.
Log Date/Time	Specifies the last date and time when the entry was made.
User ID	Specifies the user ID of the Business Central when the request is sent to TLx.
Request Type	Specifies the type of request based on the transaction. It can be <i>Authenticate</i> , <i>Schedule Shipment</i> , <i>Cancel Shipment</i> , <i>Invoice Shipment</i> , <i>Reopen Order</i> , <i>Send Sales Order</i> , <i>Send Purchase Order</i> , or <i>Update Status</i> .
Request Information	Specifies the information that was sent or received with TLx.
Details	Specifies whether there is any related information linked to the data transfer.
Payment Terms	Specifies the freight payment method sent to TLx in the outbound request, derived from the TLx Freight Payment Type field value on the Purchase Order page. The system updates the field value as <i>Prepaid</i> or <i>Collect</i> , else the field is unavailable if the TLx Frieght Payment Type field value is <i>None</i> .

To view the TLx Log Details page

In the **Details** field, select *Yes*.
The **TLx Log Details** page opens.



Field	Description
Data Direction	Specifies with the entry record number from a number series. By default, these entries are sorted in descending order.
Variable Name	Specifies the type of variable sent or received between Business Central and TLx.
Variable Value	Specifies the value of the variable exchanged between Business Central and TLx.

You can convert the available information to JSON format by executing the **Convert to JSON** action.

 Note

The data manager can define the retention period for TLx Log entries on the **Retention Policies** page of the Business Central.



View the TLx order status

Article • 6/21/2024 • 2 min read

The **TLx Order Status** page displays the status and shipment information of documents which are sent to or received from TLx.

To view the status of the documents, follow the below steps:

Select the Search icon , enter **TLx Order Status**, and then choose the related link.
The **TLx Order Status** page opens.

You can view detailed status and shipment information of documents sent to or received from TLx through the following fields.

Field	Description
Document Type	Specifies the type of the source document. It can be a Sales or Purchase order.
Document No.	Specifies the source document number based on the Document Type field.
Shipment Status	Specifies the status of the shipment in TLx.
Shipment No.	Specifies the shipment number generated in TLx. This is available only after the shipment is scheduled.
Carrier SCAC	Specifies the shipping agent used for shipment. This information must be available in both Business Central and TLx.
Carrier Name	Specifies the name of the shipping agent used for shipment.
Was Canceled	Specifies if the shipment was cancelled or not.
Invoiced	Specifies if the shipment was invoiced.



TLx cancellations

Article • 6/21/2024 • 1 min read

The **TLx Cancellations** page displays the information of the shipments that are created and then canceled. Orders canceled with the **Status** field set to *Confirmed* status are logged, while those with an *Open* status are not recorded.

The fields on the **TLx Cancellations** page are updated as follows:

Field	Description
TLx Shipment No.	Specifies the Shipment No. generated in TLx.
Cancelled By	Displays the User ID from which the shipment was canceled.
Cancelled Date	Indicates the date when the shipment was canceled.
Cancelled Reason	Displays the reason why the shipment was canceled.
Carrier Name	Displays the name of the carrier to which the shipment is assigned.
Carrier SCAC	Displays the name of the shipping agent to which the shipment is assigned.

This works in a similar way for purchase orders.



Automated warehouse shipment creation

Article • 6/21/2024 • 1 min read

When the status of the shipment created for a sales order is changed to *Scheduled*, the system will automatically create a warehouse shipment for the outstanding value if the following conditions are met:

- The **Create Warehouse Shipment** toggle on the **TLx Setup** page is turned on.
- The location specified in the sales order has the **Require Shipment** toggle turned on.
- No warehouse shipment exists.



Create purchase invoice from TLx

Article • 6/21/2024 • 2 min read

After the TLx team audits the invoices from the shipment agencies, the system generates invoices for the Aptean Total Logistics extension based on the TLx setup. The generated invoices can be either for orders with shipments generated from the Business Central or for orders not associated with shipments.

In the **Cost Handling** field, if the option is set with *Purchase Invoice*, the following **Line-Item Type** field values are possible:

Item Charge: This will look for the allocation method which may be *Amount*, *Weight* or *Volume*. Based on the selected option, the posted sales shipment is added to the item charge and split based on the setup.

G/L Account: The invoices generated with this are updated with the value selected in the **G/L Account** field on the **TLx Setup** page.

! Note

If the **Purchase Invoice Line-Item Type** field is blank, an error occurs on the TLx platform. Additionally, after defining the **Purchase Invoice Line-Item Type** field, if the associated fields are left empty, an error is thrown. These errors are recorded in the TLx log. If there is a code mismatch between the platforms, the system will throw an error on the TLx platform and prevent the creation of invoices.



Data integration

Article • 7/22/2026 • 5 min read

To view the data transfer during the release of the sales orders

The table below shows how data from fields in Business Central maps to variables in TOTALogistix for sales orders.

In Business Central	In TOTALogistix
Sales Order No.	OrderNumber
(Hardcoded: Outbound)	DirectionType
External Document No.	PONumber
Bill-to Customer No.	SoldtoNumber
Bill to Name	SoldtoName
Sales Order Location Code	WarehouseId
TLx Payment Terms	PaymentTerms
Shipping Agent Code	ShipViaCode
Shipment Date	OrderShipDate
Due Date	OrderDueDate
Promised Delivery Date	OrderDeliveryDate

The table below shows how data from fields in Business Central maps to variables in TOTALogistix for customer information associated with the sales order.

In Business Central	In TOTALogistix
Ship-to Name	Consignee.Name
Ship-to Address	Consignee.Street1
Ship-to Address 2	Consignee.Street2
Ship-to City	Consignee.City
Ship-to County	Consignee.State



Ship-to Post Code	Consignee.Zip
Ship-to Country/Region Code	Consignee.CountryCode
Ship-to Contact Name (if blank, Sell-to Contact)	Consignee.ContactName
Sell-to Phone No. (only when Ship-to Contact is blank; empty otherwise)	Consignee.PhoneNumber
Bill to Name	BillTo.Name
Bill to Address 1	BillTo.Street1
Bill-to Address 2	BillTo.Street2
Bill to City	BillTo.City
Bill to County	BillTo.State
Bill to Post Code	BillTo.Zip
Bill to Country/Region Code	BillTo.CountryCode
Bill to Contact No.	BillTo.ContactName
Contact Phone No.	BillTo.PhoneNumber
Shipping Services	AdditionalServices[0]
Shipping Services	AdditionalServices[1]
Shipping Services	AdditionalServices[0]
Item no	Items[0].ItemNumber
Description	Items[0].Description
Quantity	Items[0].Quantity
Quantity	Items[0].QuantityOrdered
Quantity Shipped	Items[0].QuantityShipped
Gross Weight	Items[0].Weight
Weight	Items[0].WeightUnitOfMeasure
Length	Items[0].DimensionUnitOfMeasure
Sales Line Location Code (fallback: Sales Header Location Code)	Items[0].ItemWarehouseCode



UoM	Items[0].HandlingUnit
Length from UoM	Items[0].Length
Width from UoM	Items[0].Width
Height from UoM	Items[0].Height
Reservation Entry Lot No.	Items[0].Tracking[0].LotNumber
Reservation Entry Serial No.	Items[0].Tracking[0].SerialNumber
Reservation Entry Expiration Date	Items[0].Tracking[0].ExpirationDate
Reservation Entry Quantity	Items[0].Tracking[0].Quantity

To view the data transfer during the release of the purchase orders

The table below shows how data from fields in Business Central maps to variables in TOTALogistix for purchase orders.

In Business Central	In TOTALogistix
Purchase Order No	PONumber
(Hardcoded: Inbound)	DirectionType
Purchase Header Document Date	OrderDate
Purchase Header Buy-from Vendor No.	VendorCode
Purchase Header Buy-from Vendor Name	VendorName
Purchase Header Buy-from Vendor Name	Shipper.Name
Purchase Header Buy-from Address	Shipper.Street1
Purchase Header Buy-from Address 2	Shipper.Street2
Purchase Header Buy-from City	Shipper.City
Purchase Header Buy-from County	Shipper.State
Buy-from Country/Region Code → ISO Code	Shipper.CountryCode
Purchase Header Buy-from Post Code	Shipper.Zip



Purchase Header Buy-from Contact	Shipper.ContactName
Vendor Phone No.	Shipper.PhoneNumber
TLx Payment Type	PaymentTerms
Location Code	Consignee.Warehouseld
Location Description	Consignee.Name
Location Street 1	Consignee.Street1
Location Street 2	Consignee.Street2
Location City	Consignee.City
Location City County	Consignee.State
Location Zip	Consignee.Zip
Location Contact Name	Consignee.ContactName
Location Contact Phone	Consignee.ContactPhone
Requested Receipt Date - Lead Time Calculation	ShipDate
Requested Receipt Date	DeliveryDate
Item Code	Items[0].ItemNumber
Item Description	Items[0].Description
Item Quantity	Items[0].Quantity
Item Weight	Items[0].Weight
Unit of Measure (per line)	Items[0].HandlingUnit
Item Length	Items[0].Length
Item Width	Items[0].Width
Item Height	Items[0].Height
Weight UoM - TLx Setup	Items[0].WeightUnitOfMeasure
Dimension UoM - TLx Setup	Items[0].DimensionUnitOfMeasure
Purchase Line Location Code (fallback: Purchase Header Location Code)	Items[0].ItemWarehouseCode



Reservation Entry Lot No.	Items[0].Tracking[0].LotNumber
Reservation Entry Serial No.	Items[0].Tracking[0].SerialNumber
Reservation Entry Expiration Date	Items[0].Tracking[0].ExpirationDate
Reservation Entry Quantity	Items[0].Tracking[0].Quantity

To view the data transfer during the release of the transfer orders

The table below shows how data from fields in Business Central maps to variables in TOTALogistix for transfer orders.

In Business Central	In TOTALogistix
Transfer Header No.	OrderNumber
(Hardcoded: Transfer)	DirectionType
External Document No.	PONumber
Transfer-from Code	Warehouseld
TLx Payment Type	PaymentTerms
Shipping Agent Code	ShipViaCode
Shipment Date	OrderShipDate
Receipt Date	OrderDueDate
Receipt Date	OrderDeliveryDate
Transfer-from Code	Shipper.Warehouseld
Transfer-from Name	Shipper.Name
Transfer-from Address	Shipper.Street1
Transfer-from Address 2	Shipper.Street2
Transfer-from City	Shipper.City
Transfer-from County	Shipper.State
Trsf.-from Country/Region Code	Shipper.CountryCode



Transfer-from Post Code	Shipper.Zip
Transfer-from Contact	Shipper.ContactName
Transfer-from Location Name	Shipper.LocationName
Transfer-to Code	Consignee.WarehouseId
Transfer-to Name	Consignee.Name
Transfer-to Address	Consignee.Street1
Transfer-to Address 2	Consignee.Street2
Transfer-to City	Consignee.City
Transfer-to County	Consignee.State
Trsf.-to Country/Region Code	Consignee.CountryCode
Transfer-to Post Code	Consignee.Zip
Transfer-to Contact	Consignee.ContactName
Transfer-to Location Name	Consignee.LocationName
Transfer Line Item No.	Items[0].ItemNumber
Transfer Line Description	Items[0].Description
Transfer Line Quantity	Items[0].Quantity
Transfer Line Quantity	Items[0].QuantityOrdered
Transfer Line Quantity Shipped	Items[0].QuantityShipped
Item Gross Weight × Transfer Line Quantity	Items[0].Weight
TLx Unit of Measure - Item card	Items[0].HandlingUnit
Weight UoM - TLx Setup	Items[0].WeightUnitOfMeasure
Length UoM - TLx Setup	Items[0].DimensionUnitOfMeasure
Item Unit of Measure Length	Items[0].Length
Item Unit of Measure Width	Items[0].Width
Item Unit of Measure Height	Items[0].Height



Reservation Entry Lot No.	Items[0].Tracking[0].LotNumber
Reservation Entry Serial No.	Items[0].Tracking[0].SerialNumber
Reservation Entry Expiration Date	Items[0].Tracking[0].ExpirationDate
Reservation Entry Quantity	Items[0].Tracking[0].Quantity

