



QAD Adaptive Applications

QAD Global Trade and Transportation Execution (GTTE) v20.6 Release Notes

April 2025

These release notes include information about the changes made to the latest version of QAD GTTE. The changes consist of new functionality, enhancements to existing functionality, and fixes.

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Overview



















Current QAD GTTE Version: 20.6

Release Date: April 2025

Table 1 lists the components that have been updated with QAD GTTE v20.6.

Table 1

Components Updated with QAD GTTE v20.6

| | Component | Version |
|---|--|---|
|  | Win UI <ul style="list-style-type: none"> Carrier Shipping Integrations ATLAS AES | R16 <ul style="list-style-type: none"> S51 R16 R15 |
|  | Web UI Highway | 12.0.0 13.0.0 |
|  | DEM | 13.0.6-10 (Feature Update #15 and some additional enhancements) |
|  | Imports | 13.0.0-2 (Feature Update #9 and #10) |
|  | Docs | 13.0.1-4 (Feature Update #5) |
|  | Analytics (Transportation Execution, DEM, Trade Compliance, Product Master) | (Linked to Web UI version) |
|  | OTM | 2.0.6 |
|  | Content Subscriber Agent | 8.0.0-1 |
|  | Report Server | V24.1 Service Pack 1 (Unchanged) |
|  | EFM | 13.0.0-14 |
|  | Exports | 13.0.0-2 |
|  | FBAP | 13.0.0-12 |
|  | Foundation | 13.0.0-30 |
|  | Config Server | 13.0.0-1 |
|  | Eureka | 13.0.0-0 |
|  | Gateway | 13.0.0-1 |
|  | Sidecar | 5.0.0-0 |
|  | Ext (Extensions) | 13.0.0-5 |
|  | Shipping (Simplified) | 13.0.0-50 |

Related Documentation

The latest version of the QAD GTTE online help is available at:

- <https://documentlibrary.qad.com/help/SC/latest/index.html>

Base

Docs

Mapping Enhancements

In QAD GTTE v20.6 more data tags are available, enabling you to map more data elements from a shipment to a document. Additionally, a number of new mapping features are introduced and some technical issues are resolved.

New and Updated Data Tags

The data tags that are now available in Docs are listed in the following table.

Table 2

Updated Data Tags

| Data Tag | Change |
|---|--|
| ext-route-code | A new data tag that converts the shipment service (route) code to the external route code based on the system value key BLACK BOX: CONVERT SERVICE in the SPS category. |
| user-defined-field1 user-defined-field3 user-defined-field4 user-defined-field5 user-defined-field6 user-defined-field7 user-defined-field8 user-defined-field9 user-defined-field11 user-defined-field12 user-defined-field13 user-defined-field14 user-defined-field1-ext user-defined-field2-ext user-defined-field3-ext user-defined-field4-ext user-defined-field5-ext user-defined-field6-ext user-defined-field7-ext user-defined-field10-ext user-defined-field11-ext user-defined-field12-ext user-defined-field13-ext user-defined-field14-ext | New shipment and shipment extension user-defined field data tags, based on the new naming standard described in the note below. Note: <ul style="list-style-type: none">• user-defined-field1 maps to XMSHDR0.SHUSR1• user-defined-field1-ext maps to XMS2DR0.S2USR1 |

Table 3

Deprecated Data Tags

| Data Tag | Change |
|---|---|
| user-defined1 user-defined2 user-defined3 user-defined4 user-defined5 user-defined6 user-defined7 user-defined8 user-defined9 user-defined10 user-defined11 user-defined12 user-defined13 user-defined14 user-defined22 user-defined32 | A number of user-defined data tags are removed because the naming format of these data tags is amended. |

Print On

In the Document Mapping window, the new Print On dropdown menu enables you to configure which pages mapped data tags are output to. You can now set an image, barcode, or mapped data that is assigned to a layout field to display on:

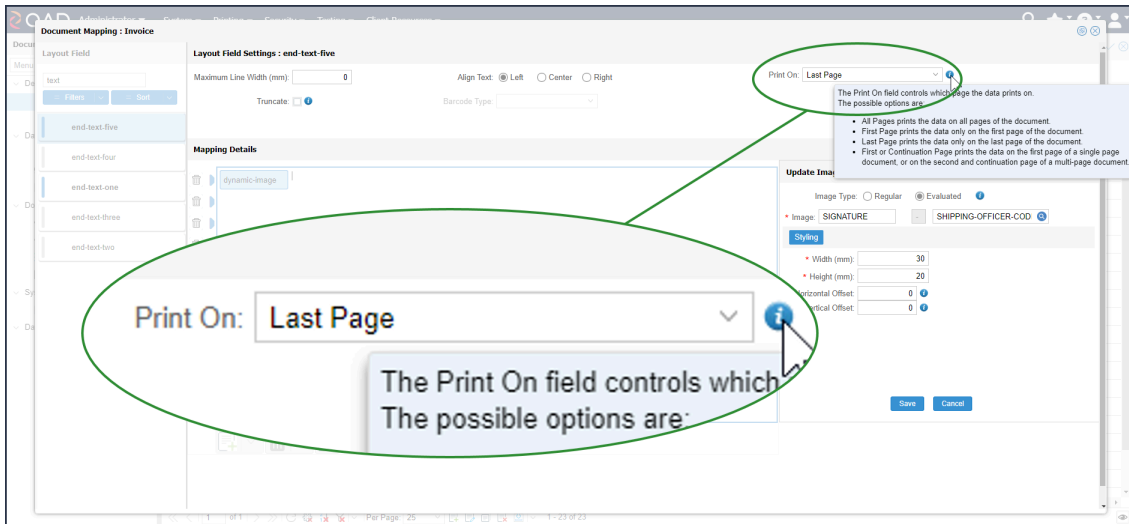
- The first page only.
- The last page only.
- First and continuation pages.
- All pages where the form placeholder exists.

Note: The field is not available for layout fields that are part of the detail area.

This feature supports business scenarios such as including a signature image on the final page of a document form.

Fig. 1

Document Mapping Window with the Print On Dropdown Menu

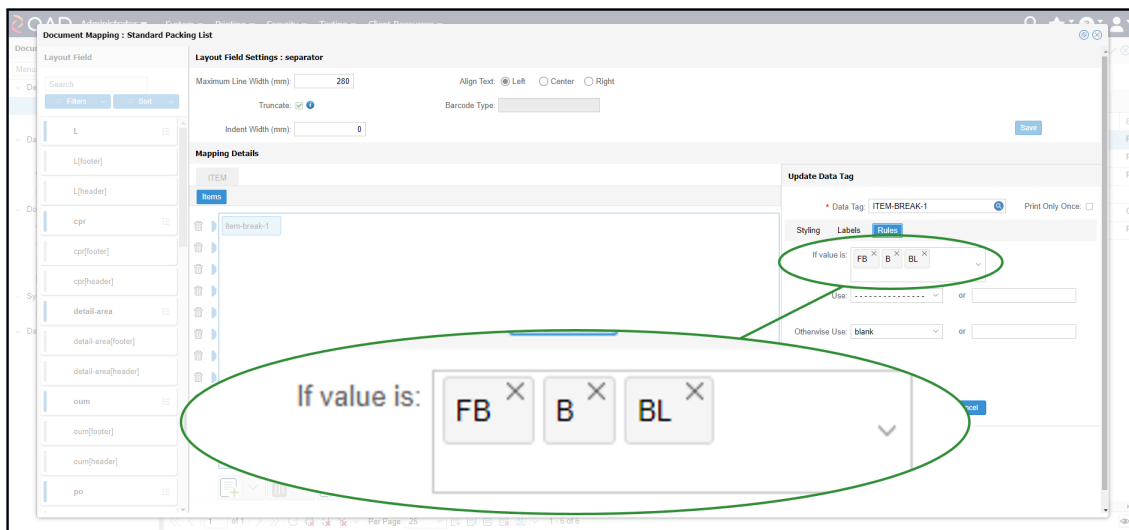


If Value Is Rule

The If value is rule now supports the specification of multiple values to trigger a rule. Previously, you could only enter a single value, requiring the data tag to exactly match that value for the rule to apply.

Fig. 2

Document Mapping Window with the If Value Is Rule



Miscellaneous Enhancements and Fixes

- Docs can now obtain shipment data from the Import Management module, correcting an issue caused by the switch to using Auth0 to provide OAuth 2.0 authentication.
- You can now create a Node Structure record without specifying a parent.

Electronic File Management (EFM)

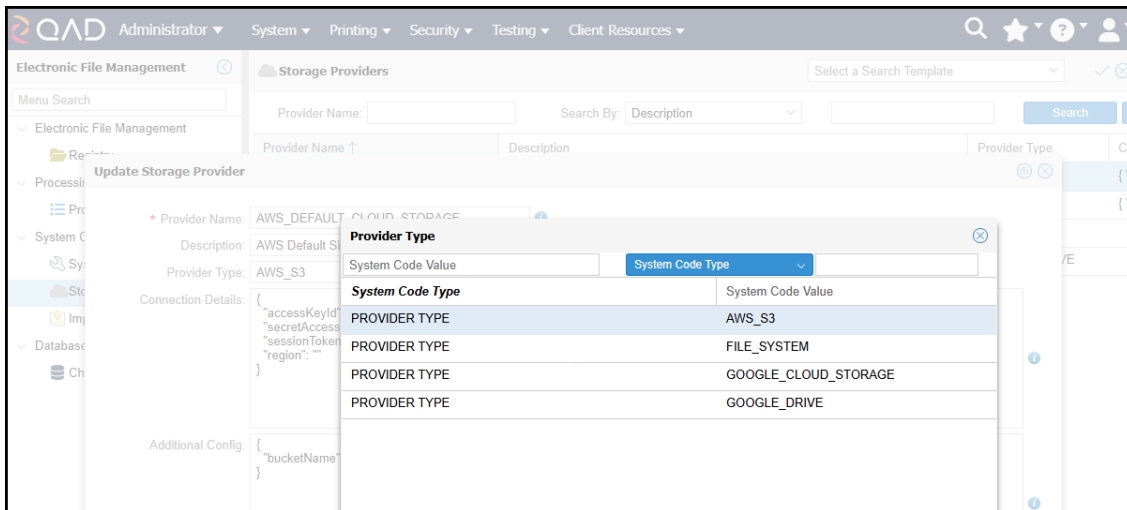
AWS S3 Storage

EFM now supports storing registered documents and files in an AWS S3 bucket. It can connect using implicit credentials to the default S3 bucket within the AWS account or to a specified S3 bucket with valid credentials.

For security, credentials can be encrypted.

Fig. 3

EFM Provider Types



Foundation

System Values Page

System Value Standard Maintenance

The new System Values screen, menu option FNDCY3, offers an improved user experience for managing system values, featuring:

- Full search and filter capabilities for quick access.
- The ability to save searches as templates for reuse.
- Multi-column sorting for better data visibility.
- A modernized maintenance form for improved consistency and simplicity.

Fig. 4
System Values Search Template

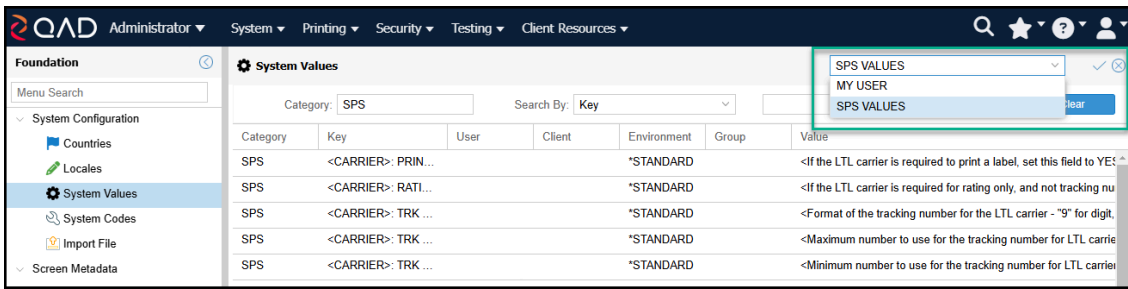
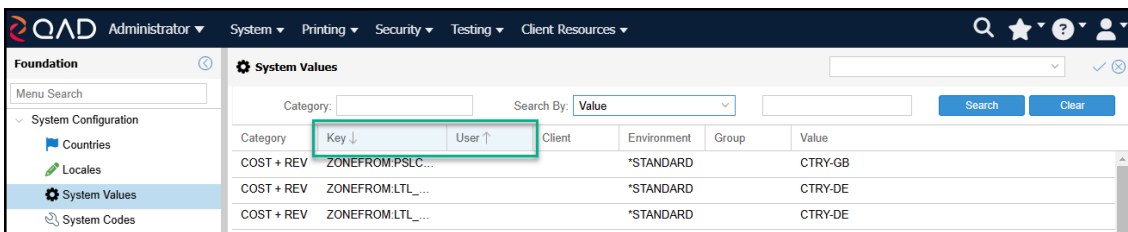


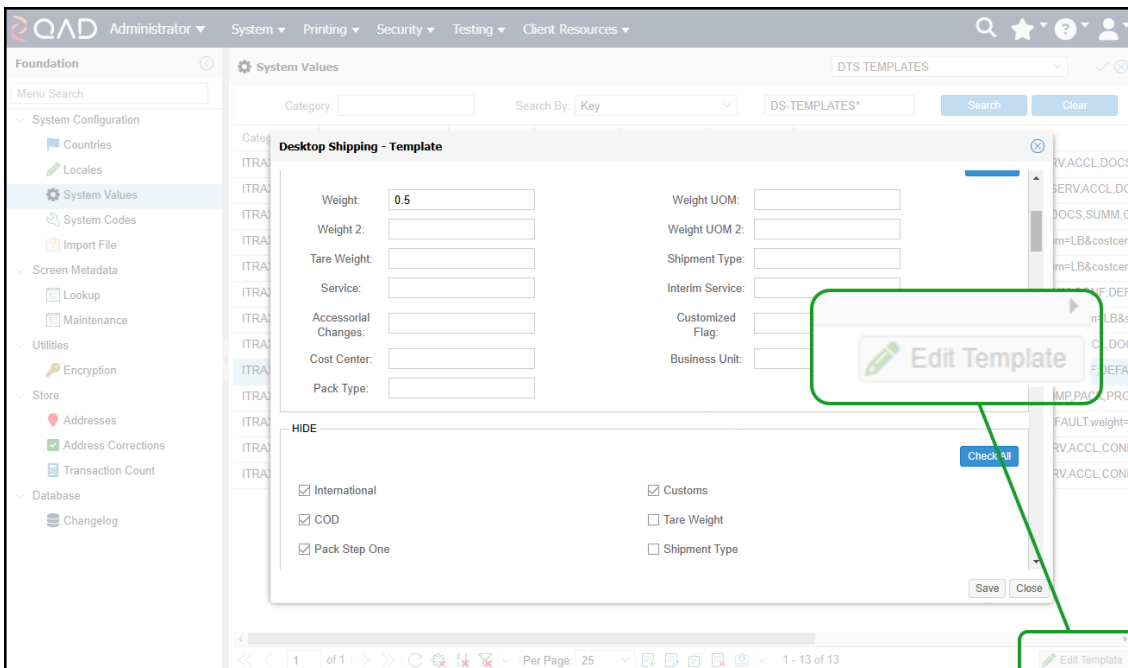
Fig. 5
Sorting System Values



Desktop Shipping Templates

The new System Values screen, menu option FNDCY3, allows you to configure Desktop Shipping steps similar to what is available with menu option Y3. Search for and select the appropriate DS-TEMPLATES <NN> system value and click the Edit Template button at the bottom right of the screen.

Fig. 6
Updating a Desktop Shipping Template System Value on the System Values Screen



Highway

The Highway version released with QAD GTTE v20.6 is 13.0.0, which includes the following updates:

- Highway web services and SubmitMessage endpoints now support Auth0 authentication, offering a more secure alternative to Basic HTTP Authentication. Basic HTTP Authentication remains the default for backward compatibility.
- The ProcessShipmentLines schema now includes the ImportCommodity element.
- WebService messages now support the dynamic shipment elements.
- A MAIL reader issue, with Gmail emails missing a subject line, is now resolved.
- An object pool, implemented for HTTP and SOAP messages sent to JMS endpoints, provides improved efficiency.
- Multiple third-party dependencies are updated to their latest versions to strengthen security.
- Increased support for very long server passwords.
- The ActiveMQ client is upgraded to version 5.18.6.

Content Subscriber

The Subscriber version released with QAD GTTE v20.6 is 8.0.0. This version upgrades several third-party dependencies to their latest versions to enhance security.

Transportation Execution

Transportation Execution (TE)

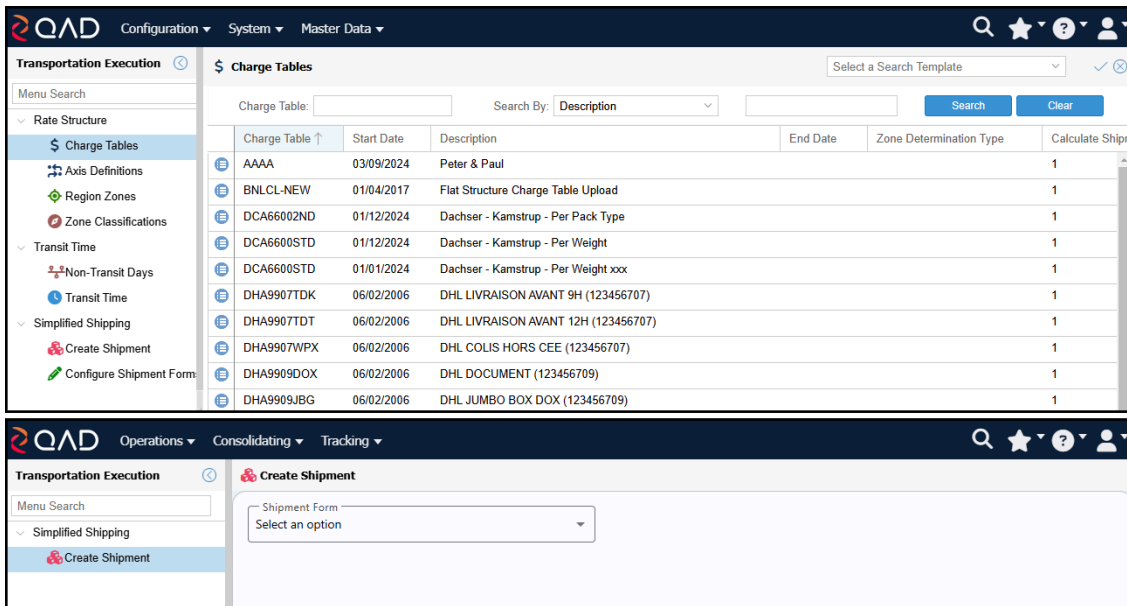
Portal Permissions

As an administrator, you can use standard permissions to control the left menu options available to users. New preconfigured option groups and user groups now provide suggested control access to the portal options.

Three new option groups—WEB-TE, WEB-TE-SU, and WEB-TE-ADMIN—have been introduced based on the access levels of a standard user, superuser, and administrator within the TE Portal. Similarly, three default user groups—WEB-TE, WEB-TE-SU, and WEB-TE-ADMIN—are preconfigured to align with these three user roles. Each option group is linked to its corresponding user group in the Permissions screen, menu option ZP, ensuring a structured and clear permission model.

Fig. 7

Examples of the TE Portal with Limited Menu Options



Simplified Shipping

The Create Shipment screen (TE_SS) is updated to support configurable forms, which you can design and create using the new Configure Shipment Forms screen (TE_SC).

You can start with a built-in template to generate a skeleton form, then configure it by:

- Defining field visibility and default values.
- Setting fields as required or optional.
- Marking fields as enabled or disabled.
- Repositioning fields for optimal layout.

Fig. 8

Simplified Shipping - Create Shipment Forms from Templates

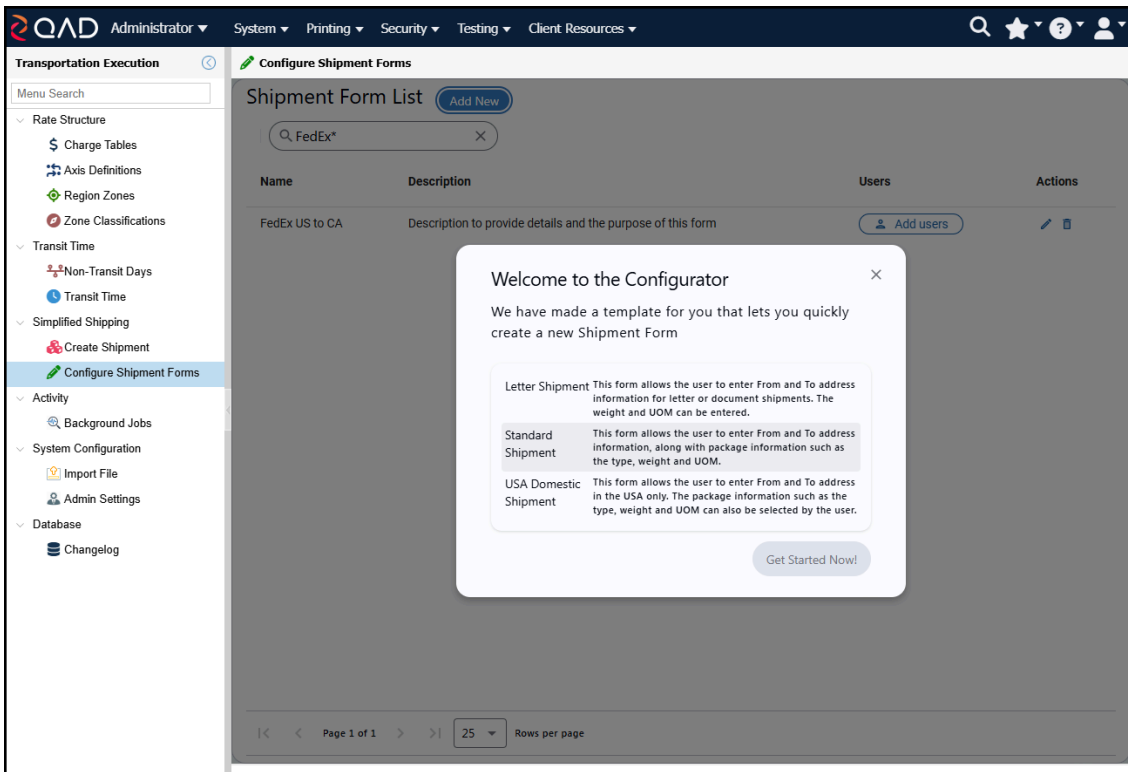


Fig. 9

Simplified Shipping - Configure Shipment Forms

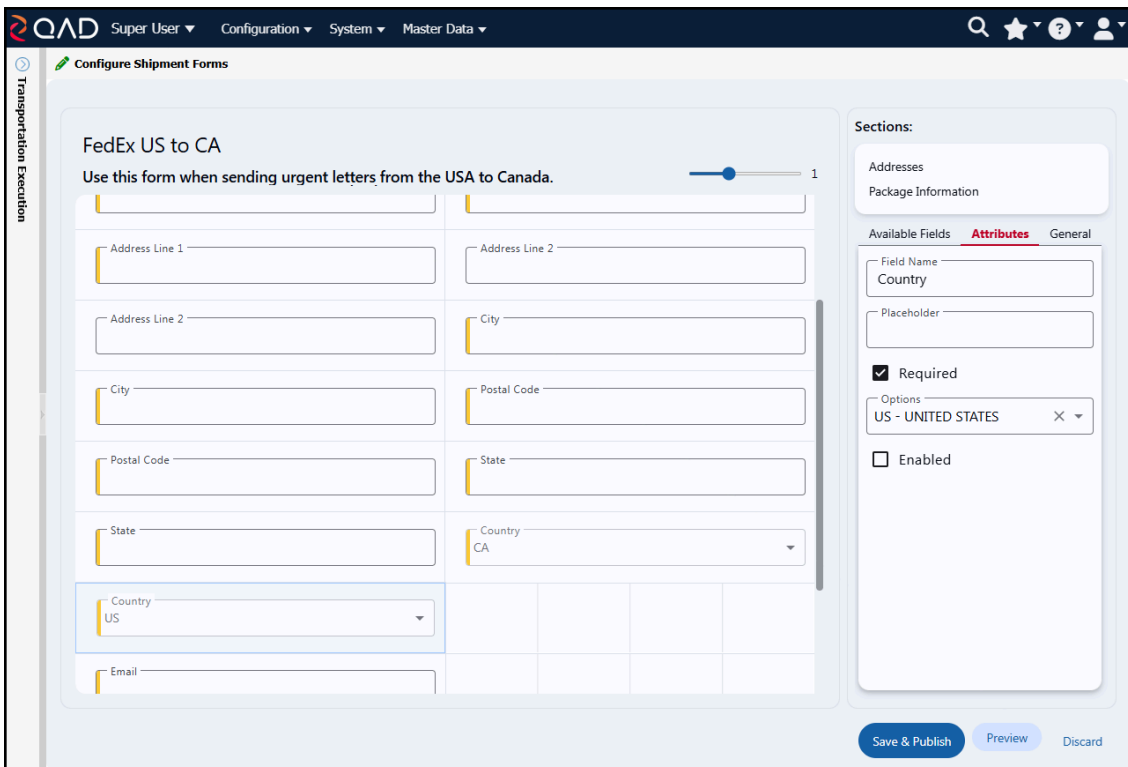


Fig. 10

Simplified Shipping - Create Shipment

The screenshot displays the 'Create Shipment' interface in QAD. At the top, the navigation bar includes 'Shipping Clerk', 'Operations', 'Consolidating', and 'Tracking'. The main form area is titled 'Create Shipment' and features a 'Shipment Form' dropdown menu currently set to 'FedEx US to CA'. Below this, the 'Addresses' section is divided into two columns: 'From' and 'To'. Each column contains several input fields for address details. The 'From' column includes fields for 'Company Cost Center', 'Company or Name', 'Address Line 1', 'Address Line 2', 'City', 'Postal Code', 'State', 'Country' (set to 'US - UNITED STAT'), 'Email', and 'Phone'. The 'To' column includes fields for 'Name', 'Address Line 1', 'Address Line 2', 'City', 'Postal Code', 'State', and 'Country' (set to 'CA - CANADA'). A 'Next' button is located at the bottom right of the form. On the right side, a sidebar shows a progress indicator with 'Addresses' selected and 'Package Information' below it.

Standard Packing and Scan, Pack and Ship

The Item Description field on the following screens can now include a combination of data from the shipment item:

- Standard Packing Workflow Task (WFTSPK)
- Standard Scan Pack Ship Workflow Option (SNPKWF)
- Any Scan Pack Ship Option, such as SNPKSH

For example, the Item Description field can now display dimensions, pack quantity, and unit of measure alongside the default product description. This additional information can be configured to assist in determining the best way to pack the item.

The system values in the following table are available to allow you to configure this functionality.

Table 4

System Values to Configure the Items Description Field

| Option | System Value Key | System Value Category | Description |
|--------|---|-----------------------|--|
| WFTSPK | WFTSPK: PACK LINE DESC FORMAT | ITRAX | Modify the Description column on the packed lines (upper grid) of the Standard Packing workflow task. |
| WFTSPK | WFTSPK: UNPACK LINE DSC FORMAT | ITRAX | Modify the Description column on the unpacked lines (lower grid) of the Standard Packing workflow task. |
| SNPKWF | SNPKWF: PACK LINE DESC FORMAT | ITRAX | Modify the Description column on the unpacked lines (lower grid) of the Scan Pack Ship workflow task. |
| SNPK* | <SCAN_PACK_CODE>: PACK LINE DESC FORMAT Example: SNPKSH: PACK LINE DESC FORMAT | ITRAX | Modify the Description column on the unpacked lines (lower grid) of the scan pack ship standalone options. |

To configure the relevant system value, specify the shipmentItem fields and static text to display in the Description column, as shown in the following example.

Unpacked lines configured with:

```
{shipmentItem.description} - {shipmentItem.dimension} x
{shipmentItem.dimension2} x {shipmentItem.dimension3}
{shipmentItem.dimensionUom} Stackable Item level: {shipmentItem.userDefined13}
```

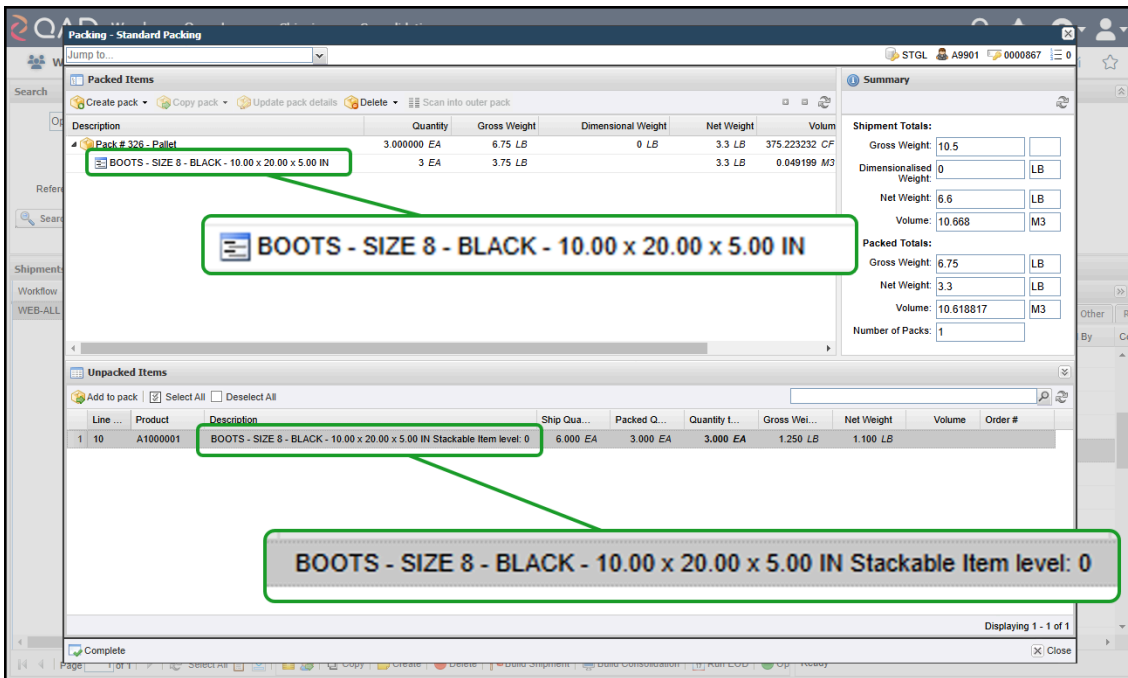
Packed lines configured with:

```
{shipmentItem.description} - {shipmentItem.dimension} x
{shipmentItem.dimension2} x {shipmentItem.dimension3}
{shipmentItem.dimensionUom}
```

The previous example displays in the user interface, as shown in the following image.

Fig. 11

Item Description in the Standard Packing Workflow Task



Charge Table

A number of fixes have been applied to the charge table file upload logic:

- Null data is now correctly saved as empty strings in the database.
- Issues with the unintended creation of duplicate records are now resolved.

Routing Guide

An issue, whereby data loaded from the file was missing the Ship To field information provided in the file, is now resolved.

Delivery Exception Management (DEM)

Supplier Integrations

- DEM supports a number of new supplier tracking updates.

Table 5

New Supplier Tracking Updates in the QAD GTTE v20.6 Release

| Supplier | Status Message Format |
|----------------------------|-----------------------|
| AMP Groep ¹ | API (Webhook) |
| Deutsche Post | API (Tracking Number) |
| Mainfreight | EDI IFTSTA D96A |
| Postnord | EDI IFTSTA D04A |
| UPS Supply Chain Solutions | EDI X12 214 4010 |

¹This integration captures proof of delivery through an API call.

- DEM includes enhancements for the following supplier integrations.

Table 6

DEM Supplier Integrations Enhanced in the QAD GTTE v20.6 Release

| Supplier | Enhancement |
|-----------------|--|
| DHL Express | DHL IFTSTA D01B: The integration now supports the capture of proof of delivery through an API call. |
| GLS Netherlands | API (Date Range): The integration now supports the capture of proof of delivery through an API call. |

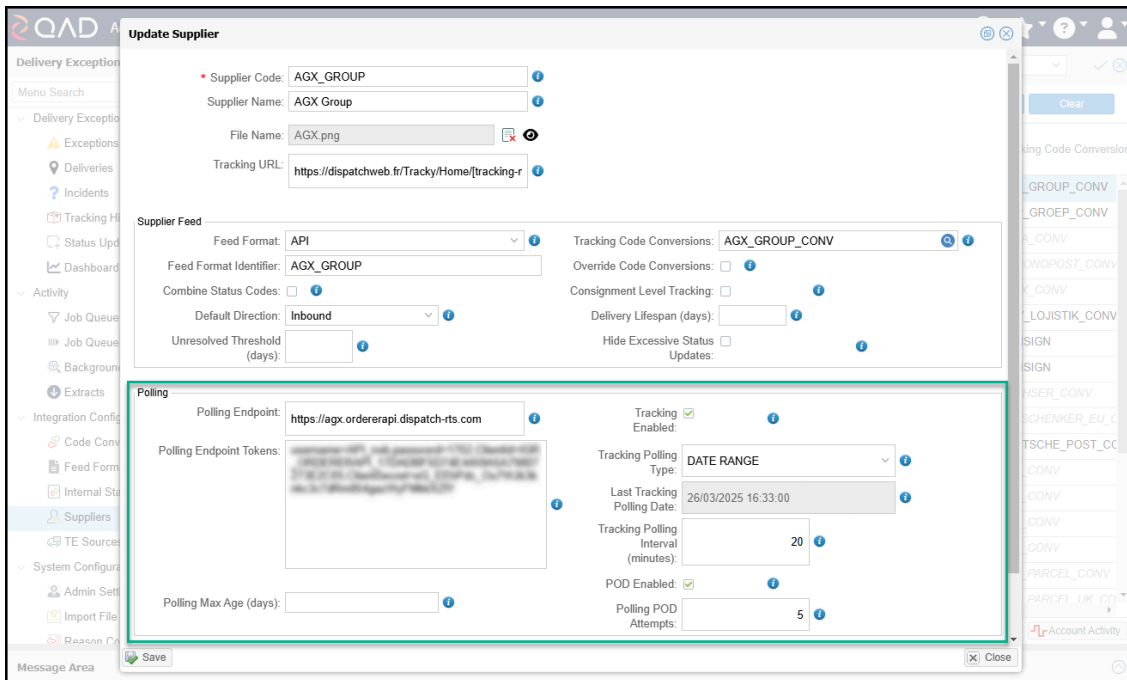
- The total number of recognized suppliers listed by the Create Supplier Wizard is now **130**.

Supplier Maintenance

- The polling section on the Update Supplier form has been reorganized, grouping fields for tracking updates and proof of delivery polling for better clarity.
- You can now enable or disable proof of delivery polling independently of tracking polling.

Fig. 12

The Polling Area on the Update Supplier Window

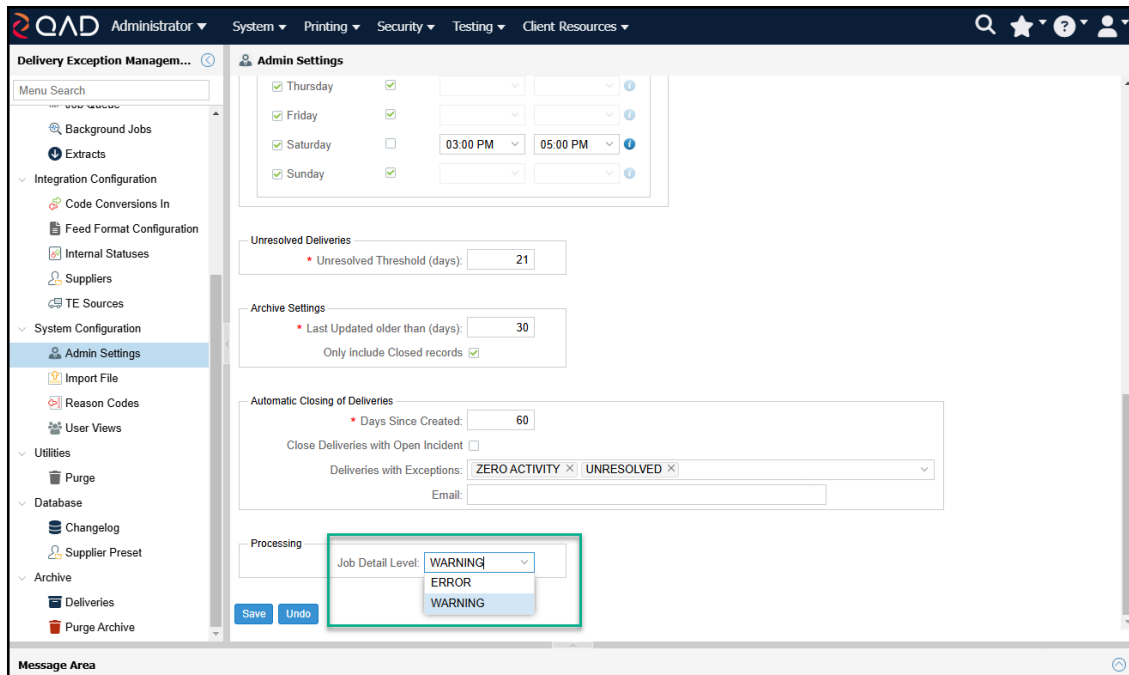


Changes to Background Processing

- DEM now offers more flexible tracking updates because it can process tracking updates from EDI or other file-based formats while subsequently using an API to obtain proof of delivery information.
- The DEM extract background job is optimized for better performance and scalability.
- Tracking update jobs that use supplier APIs are now distributed across all available QAD GTTE application servers, improving scalability. Previously, these jobs ran only on the main server.
- Issues with carrier status background jobs are now easier to diagnose. Error details are visible in the job exit message, in addition to the DEM log files. Also, administrators can now set the job detail level to WARNING on the Admin Settings screen, eliminating the need to modify the DEM YAML file.

Fig. 13

The Job Detail Level Field on the Admin Settings Screen



Miscellaneous Enhancements and Fixes

- An issue, whereby delivery notifications were sometimes not sent when the carrier provided an additional update shortly after confirming delivery, is now resolved.
- An issue, whereby some deliveries failed to raise zero activity exceptions when no updates from the supplier were received thus preventing them from being processed by the auto close background job, is now resolved.
- An issue, whereby delivery statuses were extracted both before and after evaluation of the delivery, is now resolved. Now, a delivery status is only extracted after it is evaluated.
- Polling for new suppliers no longer activates immediately, preventing failed attempts before credentials are set. Administrators must now enable polling manually after configuration.
- The DEM Swagger page now includes more comprehensive information.
- The system now supports longer passwords, enhancing security and flexibility. Also, the Password field in Highway is now extended to hold longer passwords.

OTM Integration

The OTM external rating web service can now use Auth0 rather than Basic HTTP Authentication to authenticate requests. Basic HTTP Authentication remains the default for backward compatibility.

Other changes include:

- The item quantity UoM now defaults to EA if not provided by the OTM rate basis element SHIPMENT.ITEMS.QUANTITY.UOM.
- The Shop Single Service rate shop attribute can now be disabled for specific carrier services using the new precision.rateshop.shop.multiple.services property, which defaults to BESTWAY.
- Backward compatibility with Java 13 is restored, replacing the previous Java 17 requirement.

Web UI Updates

The v20.6 release includes fixes from Web UI patches 11.0.0 to 11.0.3 inclusive.

Routing Guide

- The following additional accessorial surcharges are now available: Direct Delivery, Forklift, Small Vehicle, Delivery Appointment (phone/email), Delivery Appointment (portal), Opening Hours, and Non-Stackable.

Login

- The Login screen now has field length validation and data sanitization. This is switched on when the new property precision.login.sanitizeInput has the default value of yes.
- When the ENABLE PERMISSIONS system value is set to YES globally, users can now access the Login page.
- A “ULCOMP too long” login issue is now resolved.

Rate Shop

- The updated FedEx logo is now added for the FedEx RESTful API carrier (FDR).

Workflow

- An issue where the jump menu was not appearing on any workflow task pop-up windows is resolved.
- The workflow filter now supports dynamic fields.
- An issue preventing the addition of prerequisites to workflow tasks is now resolved.
- In the Address Changes task, fax numbers now update correctly when changing partners using the lookup selection window.
- In the Address Changes task, the Address Line 5 field is now saved correctly.
- Multiple printing issues with the Documents Task are resolved, and additional data is passed to Docs.
- In the Manifest task, a possible null pointer exception issue is resolved.
- In the Scan-Pack-Ship task, an issue where icons were unexpectedly hidden on the bottom bar of the top panel is now resolved.

Consolidations

- A regression issue, where BUILDA/BUILDB consolidation functionality failed to use the correct CFGA/CFGB options configuration, is now resolved.

Dashboards

- The buttons Save dashboard as default, Reset to default, and Reset to blank now function as expected.

Desktop Shipping

- An issue with shipping texts containing a pipe (|) character is resolved.

Compliance

- There is now consistency in CKHIST search criteria across all environments.
- The header run date now matches the compliance history detail page run date.
- For the license permit check, there is now consistent use of the Exception Code and Permit Type fields.
- A number of Compliance ECCN check fixes have been implemented.
- There have been a number of performance improvements to the Compliance Results screen.

Reports

- An issue with the legacy case tool reports, where they showed a report code not defined error when run, is now resolved.

Transportation Execution - Global Carrier Network

Introduction

These release notes include information about the latest QAD GTTE Transportation Execution Global Carrier Network fixes and changes. These changes may affect the way you use QAD GTTE Transportation Execution.

General Enhancements

Black Box – General Changes

Dynamic fields are now allowed in the ProcessSPSResponse message.

Printing

This release introduces UTF-8 encoding support for ZPL labels, expanding compatibility with international character sets. This enhancement addresses issues with accurate printing of labels containing special characters, which were previously limited by CP850 encoding. Note that CP850 remains the default character encoding. Moving to UTF-8 encoding requires specific manual implementation steps.

Carrier-Specific Enhancements

This release offers support for a number of additional carrier-specific features.


The number of new carrier integrations added is **3**, while **63** existing integrations have been notably enhanced in this release.


| Carrier | Note |
|-----------|---|
| AGX Group | Mapping + An issue with House Number mapping, which was lost in the mapping of Street Address information, is now resolved. |
| Amazon | Engine + The system now performs housekeeping on the print files after the printing process. Mapping + Amazon ATS correction for ItemSequenceNumber mapping + Amazon Merchant Fulfilment change for Item Quantity mapping |

| | | |
|----------------------|--|---|
| AMP Groep | | Mapping + The alternative tracking webhook URL is now mapped. |
| ATS | | Communication + Support for SFTP of the end-of-day manifest file |
| Bartolini | | Communication + Support for SFTP of the end-of-day manifest file |
| Bring | | Label + Support for Germany Postlaw weight icons |
| Canada Post | | Label + The system now prints the correct number of CN23 labels. + The city, state, and postal information now always prints on international movements. |
| Canpar | | Communication + Support for SFTP of the end-of-day manifest file |
| CBL | | Engine + Support for COD payment method |
| Chronopost | | Label + Support for Germany Postlaw weight icons |
| Ciblex | | Label + Support for Germany Postlaw weight icons |
| City Lojistik | | Mapping + The system now maps a weight value for the package. |
| Cosi | | Label + Support for Germany Postlaw weight icons |
| Dachser | | Engine + Routing determination for shipments of Czech origin + Support for MAUT charge calculation |


| | | |
|------------------------------|--|---|
| | | <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons + The Service description now prints in all circumstances. |
| Dachser Spain (Azkar) | | <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |
| DB Schenker | | <p>Engine</p> <ul style="list-style-type: none"> + Support for additional accessorials <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |
| DB Schenker Sweden | | <p>Engine</p> <ul style="list-style-type: none"> + The system now reuses the same API key value for a shipment in API requests until the shipment is successful. <p>Mapping</p> <ul style="list-style-type: none"> + The system no longer rounds or truncates the package weights or dimensions before outputting values to API requests. + An error with the mapping of Dangerous Goods data is now resolved. |
| DHL eCommerce | | <p>Label</p> <ul style="list-style-type: none"> + USPS mandated changes for January 2025 |
| DHL TD | | <p>Engine</p> <ul style="list-style-type: none"> + Support for BBX shipping for US-origin shipments + Support for paperless shipping for US-origin shipments <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |
| DHL Paket API | | <p>Mapping</p> <ul style="list-style-type: none"> + Mapping of Direct Injection details, when required |
| DHL Parcel Benelux | | <p>Engine</p> <ul style="list-style-type: none"> + Support for DFY Evening Delivery service |

| | | |
|--------------------------|--|---|
| DHL Parcel Poland | | <p>Engine</p> <ul style="list-style-type: none"> + Depending on the label printer in use, the system now prints the correct print file—ZPL or PDF. <p>Mapping</p> <ul style="list-style-type: none"> + Spaces for postcode mappings are now removed. + The system now maps the Recipient Name correctly. |
| DHL MyDHL API | | <p>Engine</p> <ul style="list-style-type: none"> + Support for international services and paperless processing |
| DHL XML PI | | <p>Engine</p> <ul style="list-style-type: none"> + Support for the Direct Signature (DSR) service + The rates returned can now be for a Collect or Third Party account owned by the shipper. <p>Mapping</p> <ul style="list-style-type: none"> + The system now supports a configurable label template. + It is now possible to trigger an error message when there are zero-value item lines. + Pouch labels for domestic and intra-EU are now suppressed. <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |
| DPD France | | <p>Engine</p> <ul style="list-style-type: none"> + You can now configure specific consolidation codes. <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons + When on-the-fly consolidation is active, the total package count is removed. |
| DPD UK | | <p>Engine</p> <ul style="list-style-type: none"> + Support for Windsor Framework changes for shipping from Great Britain to Northern Ireland |
| DSV | | <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |

| | | |
|-------------------------|---|--|
| DSV South Africa |  | See Carrier Functionality Guide for more details on this carrier. |
| DX Freight | | <p>Engine</p> <ul style="list-style-type: none"> + Routing determination for exception postal codes now works correctly. |
| Endicia (USPS) | | <p>Mapping</p> <ul style="list-style-type: none"> + Supports mapping of the indicator for Dangerous Goods |
| Envialia | | <p>Engine</p> <ul style="list-style-type: none"> + The consolidation reference is now processed as a system-wide reference. Previously, it was handled as a shipment-specific reference. |
| Evri (Hermes UK) | | <p>Engine</p> <ul style="list-style-type: none"> + Support for Windsor Framework changes for shipping from Great Britain to Northern Ireland |
| Expeditors | | <p>Engine</p> <ul style="list-style-type: none"> + You can now upload shipment documents to the FTP site. <p>Label</p> <ul style="list-style-type: none"> + The Transport Mode description is no longer printed on the label. |
| FedEx (FSMS) | | <p>Engine</p> <ul style="list-style-type: none"> + Support for FedEx Intra-Canada Economy services <p>Mapping</p> <ul style="list-style-type: none"> + Mapping of MRN for Germany-origin shipments <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons + Right-aligned markers now print on the label correctly. + You are no longer required to print a pouch label for ETD shipments from Germany-origin locations. |
| FedEx (Rest API) | | <p>Engine</p> <ul style="list-style-type: none"> + Carrier-certification process updates |

| | | |
|-------------------------------|--|--|
| FedEx (WebServices) | | <p>Mapping</p> <ul style="list-style-type: none"> + A UN number can now be assigned a specific IATA sequence number. + Corrections for weight mappings for Freight services have been made. + Commodity weight is now mapped as total weight instead of individual weight. |
| General Overnight (GO) | | <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |
| Geodis France API | | <p>Mapping</p> <ul style="list-style-type: none"> + The Shipper address and Return address can now be different from each other. + A correction for the mapping of the Incoterms value has been made. |
| GLS Netherlands |  | See Carrier Functionality Guide for more details on this carrier. |
| GLS Spain Legacy (ASM) | | <p>Engine</p> <ul style="list-style-type: none"> + The system now retrieves a TSP code from the carrier back end and prints this code on the carrier label. |
| GLS Spain API | | <p>Engine</p> <ul style="list-style-type: none"> + Support for Shop Return service |
| GLS US (GSO) | | <p>Mapping</p> <ul style="list-style-type: none"> + Support for Notifications section |
| Hellman Nightstar | | <p>Engine</p> <ul style="list-style-type: none"> + Support for Poland-origin shipments <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |
| ICS Courier | | <p>Communication</p> <ul style="list-style-type: none"> + Support for SFTP of the end-of-day manifest file |
| Integra2 | | <p>Communication</p> <ul style="list-style-type: none"> + Support for SFTP of the end-of-day manifest file |

| | | |
|-----------------------------|--|--|
| | | <p>Engine</p> <ul style="list-style-type: none"> + The system can now retrieve routing data using an API call. <p>Label</p> <ul style="list-style-type: none"> + The system now supports a customised barcode and reference. + An issue with the retrieval of the package type is now resolved. |
| Instabox | | <p>Engine</p> <ul style="list-style-type: none"> + Support for Return services + Support for the output of configurable references in the user-defined section of the label |
| K&N France | | <p>Engine</p> <ul style="list-style-type: none"> + Support for Fixed service <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons + Support for the output of configurable references |
| Mainfreight | | <p>Engine</p> <ul style="list-style-type: none"> + Support for additional accessorials <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |
| Nox Innight | | <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |
| Nox Nachtexpress | | <p>Communication</p> <ul style="list-style-type: none"> + Support for SFTP of the end-of-day manifest file <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |
| Parcelforce Domestic | | <p>Engine</p> <ul style="list-style-type: none"> + You can now configure the system to give a warning instead of a fatal error when no routing code is found for the destination postcode. |

| | | |
|----------------------|---|---|
| Postnord | | <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |
| Raben Group | | <p>Mapping</p> <ul style="list-style-type: none"> + Support to output Pallet Places as a calculated value |
| Rhenus UK |  | See Carrier Functionality Guide for more details on this carrier. |
| Royal Mail | | <p>Engine</p> <ul style="list-style-type: none"> + Support for Windsor Framework changes for shipping from Great Britain to Northern Ireland |
| SMC3 EVA API | | <p>Engine</p> <ul style="list-style-type: none"> + You can configure the system so that rate responses flagged as Indirect Delivery are rejected as errors. <p>Mapping</p> <ul style="list-style-type: none"> + An issue with the mapping of commodity-based weights for rating requests is now resolved. |
| Speedlink | | <p>Mapping</p> <ul style="list-style-type: none"> + An issue with the mapping of the house number extension is now resolved. |
| Steenbergen | | <p>Engine</p> <ul style="list-style-type: none"> + Support for Express service <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |
| Tipsa | | <p>Engine</p> <ul style="list-style-type: none"> + Extended support for on-the-fly consolidation <p>Mapping</p> <ul style="list-style-type: none"> + The allowed field lengths on some API request fields have been adjusted. |
| TNT Australia | | <p>Mapping</p> <ul style="list-style-type: none"> + Issues with the mapping of the tracking number to the API, when SSCC codes are not in use, are resolved. |

| | | |
|---------------------|--|--|
| TNT Express | | <p>Engine</p> <ul style="list-style-type: none"> + Support for Austria-origin and Poland domestic services <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |
| Toll | | <p>Mapping</p> <ul style="list-style-type: none"> + An issue with the mapping of zero or blank for fields that are numeric or alphabetic is now resolved |
| Trans-o-flex | | <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |
| UPS | | <p>Rating</p> <ul style="list-style-type: none"> + It is now possible to call the UPS Rating API. + The system now supports new Peak Surcharge types added in 2024. <p>Engine</p> <ul style="list-style-type: none"> + The US 3-Day Select service follows the Air rules for Dangerous Goods. + The Expedited service is now added to the rules for Air services for Lithium Batteries. + UPS Premier now allows a default handling code to be mapped, and has validation on destination countries. + An issue with the Dry Ice weight check for multi-piece shipments is now resolved. + The system now supports Thailand-origin shipments. <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons + Support for the output of prescribed text for Limited Quantities in Europe |
| UPS SCS | | <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |
| Wahl | | <p>Label</p> <ul style="list-style-type: none"> + Support for Germany Postlaw weight icons |

Global Trade

These release notes include information about the latest QAD GTTE Global Trade features, enhancements, and fixes.

These changes may affect the way that you implement and use QAD GTTE. Review this document before proceeding with any changes to your installation.

Exports

ATLAS

The ATLAS fallback document is updated based on the latest specifications from Itzbund:

- Support ATLAS – Info 0664/24 and ATLAS – Info 0666/24.

Shipment License Workflow Enhancements

In the Shipment License workflow task, you can now apply multiple licenses against an export control classification number (ECCN).

Import Management

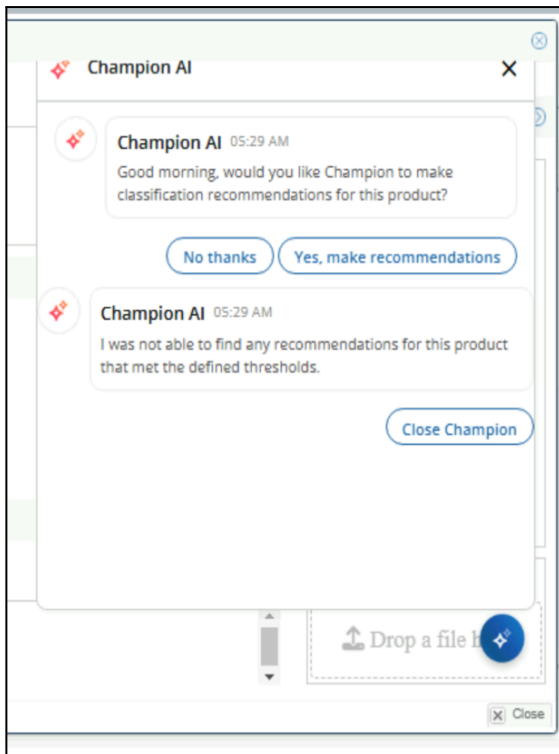
The latest release is Imports Feature Update 10. The feature update contains a number of noteworthy enhancements.

AI-Supported Product Classification Enhancements

- For AI-supported product classification, the QAD Champion AI chat log now clearly states if it cannot find any classification recommendations for the selected product.

Fig. 14

QAD Champion Chat Log



- Recommendation sorting is enhanced. When QAD Champion AI returns a product with multiple classifications for different importing countries, it sorts recommendations by:
 - a. The matching importing country.
 - b. Accuracy rating for the matching importing country.
 - c. Accuracy rating for non-matching importing countries.
- New translations are available. For more information, see [Translations](#).

Advanced Shipping Notice (ASN) and Buyer Consolidation

Buyer consolidation is now available in QAD GTTE. If multiple ASNs are shipped to a local freight forwarder, the packages are usually consolidated under one bill of lading number or air waybill number, and they must be cleared together under one import entry. This process is needed only when the ASNs are received individually, meaning they must be consolidated into one import shipment in QAD GTTE. All processing must be done against the consolidated import shipment rather than the individual transactions. If the source system already consolidates the transactions, they are processed as one transaction.

The ASN and buyer consolidation is not automatically created, because it is not possible for the system to determine how many ASNs were put together.

The alternative is to pass each ASN to a broker individually, so that the consolidation happens in their system. For this reason, the consolidation feature and the associated FTN Check and Submit task are disabled by default. They can be enabled at broker level as needed. For further details, contact your account manager for QAD Global Trade.

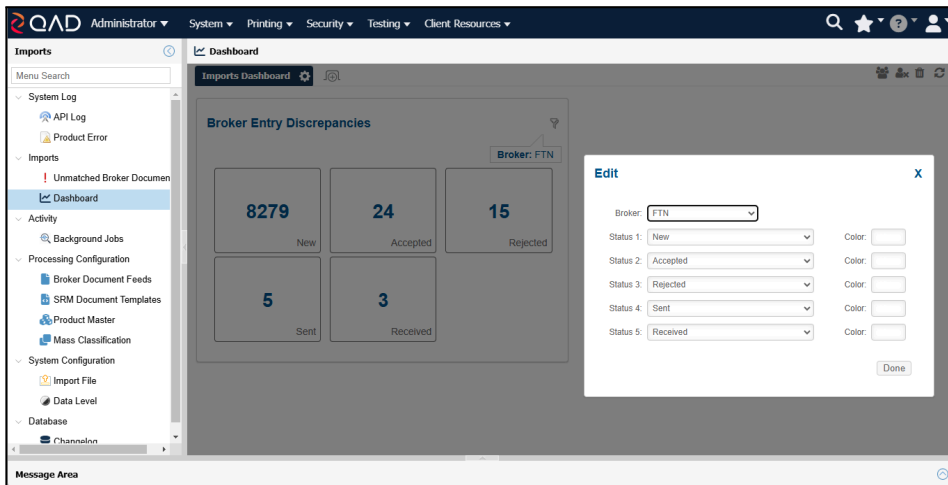
For information on how to manage consolidations, see [FTN Check and Submit Task Updates](#).

Imports Dashboard Updates

- The Broker Entry Discrepancies chart now accommodates up to five distinct statuses, increasing the previous limit of three statuses.
 - Two new statuses are available: Sent and Received.
- The broker dropdown menu is now configurable through the EDI_BROKER flex domain.

Fig. 15

Configuring the Broker Dropdown Menu



Reports

New reports are available in the ITC category. For more information, refer to the [Reports](#) section.

Translations

Import Management UI translations are now available for three languages: French, Chinese (Simplified), and Portuguese (Brazilian). However, you must already have these languages installed in QAD GTTE to avail of the translations upon installation of the feature update. If these languages are not installed, you must upload the translation packages for the languages in menu option XML.

In the CHI and PTB translation packages, all import management screens are translated into Chinese (Simplified) and Portuguese (Brazilian).

In the FRE translation package, French translations are now available for the following screens and features:

- Login
- Home
- Menu

- Product Master
- Classification Worksheet
- Imports Configurator
- QAD Champion AI product classification

Workflow

The following updates are available for import management workflows in the Workflow Portal.

Broker Discrepancies API Enhancements

In the EDI Broker Summary API, a consumer for the broker discrepancy is now available. The consumer logic automatically validates the electronic data interchange (EDI) data. If validation fails, the API creates a broker discrepancy to review the API value. If validation is successful, the following transaction attributes are updated:

- EntryDate
- PortCode
- PortOfUnlading
- ImportingCarrier
- EntryNumber
- DeclarantName
- DeclarationDate
- ImportDate
- ForeignPortLading
- SummaryDate
- ConsigneeNumber
- ImporterNumber
- ReferenceNumber
- ReleaseDate
- CustomsBondType
- BondReferenceNumber
- MissingDocuments

The consumer logic compares the following data elements on the transaction against the EDI data and raises a discrepancy where a difference exists:

- Transaction Header
 - Country Of Origin
 - Number of Packages
 - Total Charge Invoiced
 - Country Of Export
 - Shipment Description
 - Import Type
 - Total Entered Value
 - Manufacturer ID
 - Surety Number
- Transaction Parties
 - Party Name

- Party Address
- Party (New or Dropped)
- Transaction Charges
 - Charge Description
 - Charge Value
 - Charge (New or Dropped)
- Transaction Items
 - Product Code
 - Product Description
 - Unit Price
 - Quantity
 - Quantity UOM
 - Country of Origin
 - Exchange Rate
 - Manufacturer ID
 - Export Country
 - Foreign Port Of Lading
 - Export Date
 - Commodity Code
 - Merchandise Processing Fee
 - Harbour Maintenance Fee
 - Duty
 - ADA Rate
 - CVD Duty
 - CVD Rate
 - Item (New, Dropped, Cancelled)

Entry Discrepancy Review Workflow Task

The new Entry Discrepancy Review workflow task lists the discrepancies that are identified by the EDI Broker Summary API message.

Fig. 16

Entry Discrepancy Review

| Data Context | Data Element | Shipment Value | Broker Value | Action | Status |
|---------------------|-----------------------|---|---|--------|----------|
| Header | Origin Country | NL | DE | 👍 🗑️ | |
| Header | Total Charge Invoiced | 326.1350 | 320.1350 | 👍 🗑️ | REJECTED |
| Header | Country Of Export | IR | CN | 👍 🗑️ | |
| Header | Shipment Description | My Shipment Desc 02 | My Shipment Desc 01 | 👍 🗑️ | |
| Header | Import Type | 01 | 02 | 👍 🗑️ | |
| Header | Total Entered Value | 144.0050 | 140.0050 | 👍 🗑️ | |
| Header | Manufacturer ID | MANID02 | MANID01 | 👍 🗑️ | |
| Header | Surety Number | 998 | 999 | 👍 🗑️ | |
| CONSIGNEE | Party Name | Chain Store USA-Central | Beijing 1234 X5 | 👍 🗑️ | |
| CONSIGNEE | Party Address | Address: 273 South Steet, City: OH, Country: US, Postal: 44303 | Address: Beijing Road 124xX5, City: BEIJINGX, State: , Country: XX, Postal: | 👍 🗑️ | |
| SUPPLIER | Party Name | Company X2 | Company X1x | 👍 🗑️ | |
| SUPPLIER | Party Address | Address: 7292 Fern CREEK BLVD X2, City: SANTA MONICA, State: CA, Country: US, Postal: 9505344 | Address: 7899 Fern CREEK BLVD X1, City: BOSTON, State: MA, Country: US, Postal: 95079 | 👍 🗑️ | |
| IMPORTER_OF_RECORD | Party Name | Company Luke very long name con X3 | Company Luke very long name con A3 | 👍 🗑️ | |
| IMPORTER_OF_RECORD | Party Address | Address: 7898 Fern CREEK BLVD x3, City: BERLIN, State: , Country: DE, Postal: 400120 | Address: 7898 Fern CREEK BLVD A3, City: BONN, State: , Country: DE, Postal: 400140 | 👍 🗑️ | |
| Customs Duties X2 | Charge Description | Customs Duties X2 | Customs Duties | 👍 🗑️ | |
| Customs Duties X2 | Charge Value | 4.0000 USD | 7.00 | 👍 🗑️ | |
| MERCHANDISE PROCES | Charge Description | MERCHANDISE PROCESSING FEE X2 | Handling PROCESSING FEE | 👍 🗑️ | |
| MERCHANDISE PROCES | Charge Value | 12.5200 USD | 14.52 | 👍 🗑️ | |
| Insurance Filing X2 | Charge Description | Insurance Filing X2 | Insurance Filing X1 | 👍 🗑️ | |
| Insurance Filing X2 | Charge Value | 6.1500 USD | 3.00 | 👍 🗑️ | |

The task contains the following buttons:

Table 7

Entry Discrepancy Task Buttons

| Button | Description |
|---------------|--|
| Show Accepted | To help you to focus on outstanding changes, all previously accepted discrepancies are hidden by default. To view these accepted changes, click Show Accepted. |
| Hide Accepted | Only shows discrepancies that are outstanding or marked as rejected. |
| Accept All | Accepts all outstanding discrepancy changes, such as changes with a blank status. In instances where a discrepancy cannot be applied due to a validation issue or another conflict, the discrepancy remains outstanding. |
| Reject All | Rejects all outstanding discrepancy changes. |
| Refresh | Refreshes the list of discrepancies within the grid. |

The grid on the Entry Discrepancy Review task contains the following columns:

Table 8

Entry Discrepancy Task Columns

| Column | Description |
|----------------|---|
| Data Context | Shows context information related to the discrepancy. |
| Data Element | Shows the specific data element where the discrepancy was found. |
| Shipment Value | Shows the current value of the data element on the transaction. |
| Broker Value | Shows the broker value received within the broker summary message. |
| Action | The Action column contains the following buttons for processing the discrepancy: <ul style="list-style-type: none">● Accept: Apply the discrepancy change to the transaction.● Reject: Reject the discrepancy change.● Manual Accept: Manually apply the suggested broker to the transaction. |
| Status | Shows the status of the discrepancy. <ul style="list-style-type: none">● A blank status indicates that the discrepancy decision is pending.● Accepted: The discrepancy is accepted.● Rejected: The discrepancy is rejected.● Manual-Fix: The suggested discrepancy change was manually applied outside of the workflow task. |

FTN Check and Submit Task

As part of the consolidation feature, which is described in [Advanced Shipping Notice \(ASN\) and Buyer Consolidation](#), new buttons are available in the FTN Check and Submit task if the FTN functionality is enabled. To enable FTN, contact your account manager.

- If multiple ASNs are found, the Transmit button is hidden and the Create Consolidation button is shown instead.
- After you create a consolidation, the child transaction displays the Remove from Consolidation and Show Consolidation in Workflow buttons.
- The task contains a Refresh Consolidation button, which checks for updates and refreshes data from the child transactions.
- For the Send to Broker option, the Customs Invoice permission for the broker is performed at the consolidation level and any 7501 or entry data coming back is compared against the consolidation as well.

Items Task Enhancements

The following enhancements are available for the Items task:

- New purchase order fields are available in the Items task: PO Number and PO Date.
 - PO Number is a lookup of open purchase orders (POs) in the system. You can search for purchase orders in the lookup by PO number, external reference, exporting country, and supplier.
 - Upon selecting a PO number from the lookup, the corresponding PO date is automatically populated in the read-only PO Date field.

Workflow Transaction Search

A broker status attribute is added to the import shipment transaction search panel. The attribute tracks the overall status of the transaction in relation to sending, receiving, and consuming the EDI broker message. The attribute also tracks any discrepancies that are raised. The potential statuses for the attribute are:

- A blank value means the transaction is new. No EDI broker messages have been sent or received.
- SENT: The EDI broker message is sent to the broker.
- RECEIVED: The message is received with one or more discrepancies. The decision to accept or reject is outstanding.
- ACCEPTED: No discrepancies are identified, or all discrepancies are resolved.
- REJECTED: One or more discrepancies are marked as rejected. A broker status attribute is incorporated into the transaction header. This attribute monitors the comprehensive status of the transaction with regard to the transmission, reception, and processing of the EDI broker message, as well as the management of any identified discrepancies.

Trade Compliance

Commodities

The following exports commodities are now available:

- Common High Priority List (CHPL)
- Saudi Arabian commodities

The following imports commodities are now available:

- Canadian commodities
- United Arab Emirates commodities

Reports

New Reports

The following new Imports reports are available:

Table 9

New Reports in QAD GTTE v20.6

| QAD GTTE Module | Report Name | Description |
|---|---|---|
| Import Trade Compliance Catalog: QAD-GTTE-ITC.cat.xml | HS Country Group - Hierarchy Data Report | This report returns the harmonized system (HS) Country groups and all descendant entities for a specific client. |
| | PGA Flag - Hierarchy Data Report | Returns the PGA flags and all descendant entities for a specific client. |
| | PGA Flag Report | Returns the PGA flags for a specific client. The report has one row for each PGA flag record. It includes a CSV list of countries, where overrides are configured for each PGA flag. |
| | Product Classification Invalid Commodity Report | Provides an overview of the product classifications with an invalid commodity code. The report has one row for each product classification. It includes Product Master details. |
| | Product Classification Invalid Secondary Commodity Report | Provides an overview of the product classifications with an invalid secondary commodity code. The report has one row for each invalid secondary commodity code in a product classification. It includes Product Master and product classification details. |
| | Purchase Order Header Report | Provides an overview of the header-level attributes for purchase orders. The report has one row for each purchase order. |
| | Purchase Order Import Header Report | Provides an overview of the header-level attributes for import purchase orders. The report has one row for each import |

| | | |
|--|-----------------------------------|---|
| | | purchase order. It includes the header-level attributes for the import purchase orders. |
| | Purchase Order Import Item Report | <p>Provides an overview of the import item-level attributes in a purchase order.</p> <p>The report has one row for each import item in the purchase order. It includes header-level, import header-level, and item-level attributes for the purchase order.</p> |

Updated Reports and Fixes

Shipment Summary with Delivery Status Report

If there is more than one delivery associated with a shipment, the most recent delivery is included in the report.

User Synchronization

The background job responsible for synchronizing GTTE users with the Report module has been optimized for improved performance, especially when handling a large number of users.

Technical

Infrastructure

Archive Instance

With the latest installation, an archive instance can now be included within the production environment, allowing you to offload aging shipment and compliance transaction data from the active production database. This archive instance can be accessed through the Web UI using the /archive context.

This enhancement improves data management and historical record accessibility, ensuring that active environments remain optimized for performance while providing a way to access archived data.

Note: The archive instance requires additional infrastructure and can incur higher costs if enabled.

AWS S3 Storage

A default S3 bucket is automatically created by the Infrastructure as Code (IaC) and can be used by EFM to store information from specific modules.

The naming convention for the default bucket is:

[Customer Name]-[Region]-gtte-[Environment Type]-efm

Note: Using the S3 bucket introduces additional infrastructure costs.

APIs

API Authentication

New OAuth 2.0 endpoints for retrieving an access token, for example /precision/foundation/api/v2/oauth/token, are included. These endpoints allow clients to request an Auth0 token from QAD GTTE utilizing standard parameter names of client_id and client_secret for the client ID and client secret values.

Version 2 of the token endpoints support sending client ID and client secret as a Basic Auth header.

API Authorization

An API scope now applies to the QAD GTTE APIs so only the customer-facing APIs are accessible using the customer API credentials.

API Documentation

The DEM, Docs, and TE Swagger pages have been updated to include additional information about the available APIs and their parameters.

The Swagger pages reference a quick start guide to help with the authenticating. There is also now the option to download the API specifications as a JSON file and import it into Postman.

Fig. 17

Documentation for RESTful Shipping APIs in Swagger

Transportation Execution API 1.0 QAS 3.1
[/precision/te/v3/api-docs/public](#)

Overview

The Transportation Execution (TE) module in the Global Trade and Transportation Execution (GTTE) solution allows you to generate, process, and maintain shipments. It provides a number of APIs for external systems to implement shipping use cases.

API Authentication

Access to TE APIs is secured using OAuth 2.0. Clients must authenticate their API requests with a valid access token to ensure secure and reliable interactions. For instructions on obtaining and managing tokens, please refer to the [Quick Start Guide](#).

API Specification

If you prefer to import the API specification into another tool like [Postman](#), you can download it from the following link: [TE API specification](#).

[Authorize](#)

API Authorization

APIs are authenticated using an access token. Listed below are APIs that allow you to generate the token required to securely call the business APIs.

| | | | | |
|------|---------------------|--|--|--|
| POST | /api/v2/oauth/token | | | |
| POST | /api/oauth/token | | | |

Shipments

Listed below are APIs for working with shipments.

| | | | | |
|------|----------------------------|--|--|--|
| POST | /api/shipments | Create a shipment in GTTE. | | |
| POST | /api/shipments/void | Void a rated shipment in GTTE. | | |
| POST | /api/shipments/update | Update certain information about an existing shipment. | | |
| POST | /api/shipments/ship | Create and process a shipment in GTTE. | | |
| POST | /api/shipments/reprint | Reprint the labels and documents for an existing shipment. | | |
| POST | /api/shipments/quote | Perform a rate shop of carrier services and their costs based on shipment information. | | |
| POST | /api/shipments/query | Retrieve information about an existing shipment. | | |
| POST | /api/shipments/process | Perform one or more actions against a shipment. | | |
| POST | /api/shipments/process-eod | Process an end of day request. | | |

Web Security

- The microservices are using Spring Boot 3.4.1.
- Tomcat is updated to 9.0.102 to address a number of [CVEs](#).
- ActiveMQ is updated to version 6.1.3.
- Critical and high issues reported by SCA, SAST, and DAST scans are resolved. A number of third-party Java dependencies were updated to later versions to address known CVEs.
- The Struts Tiles framework is removed from the solution.

Caching

Clustered Caching

In environments where there are multiple application servers, a clustered cache is now used to share cached data across all microservices in the environment.

Logging

Tomcat Output

A log output issue, where Tomcat log files were not rotating as expected and gaps in the log output occurred, is now resolved.

Utilities

Database Change Lock Troubleshooting

To enhance deployment update reliability, a new utility is now available for system administrators to manage database schema change locks. This tool allows administrators to analyze the current status of change locks and release them as needed, ensuring smoother updates and deployments.