



QAD Adaptive Applications

QAD Global Trade and Transportation Execution (GTTE) v20.5 Release Notes

October 2024

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

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Overview

Current QAD GTTE Version: 20.5

Release Date: October 2024

Table 1 lists the components that have been updated with QAD GTTE v20.5.

Table 1

Components Updated with QAD GTTE v20.5

Component	Version
Win UI <ul style="list-style-type: none"> • Carrier Shipping Integrations • ATLAS • AES 	R15 <ul style="list-style-type: none"> • S50 • R15 (unchanged) • R14 (unchanged)
Web UI Highway	11.0.0 12.0.0
DEM	12.0.6-0 (Feature Update #14 and some additional enhancements)
Imports	12.0.0-4
Docs	12.0.1-1 (Feature Update #4 and release fixes)
Analytics (Transportation Execution, DEM, Trade Compliance, Product Master)	(Linked to Web UI version)
TE	12.0.0-91
OTM	2.0.3
Content Subscriber Agent	7.0.0-3
Keycloak	Removed; replaced with Auth0.
Report Server	V24.1 Service Pack 1
EFM	12.0.0-17
Exports	12.0.0-0
FBAP	12.0.0-23
Foundation	12.0.0-29
Config Server	12.0.0-1
Eureka	12.0.0-0
Gateway	12.0.0-2

Component	Version
Win UI <ul style="list-style-type: none"> Carrier Shipping Integrations ATLAS AES 	R15 <ul style="list-style-type: none"> S50 R15 (unchanged) R14 (unchanged)
Web UI Highway	11.0.0 12.0.0
DEM	12.0.6-0 (Feature Update #14 and some additional enhancements)
Imports	12.0.0-4
Docs	12.0.1-1 (Feature Update #4 and release fixes)
Analytics (Transportation Execution, DEM, Trade Compliance, Product Master)	(Linked to Web UI version)
TE	12.0.0-91
Sidecar	4.0.0-0
Extensions (Ext)	12.0.0-12
Shipping	12.0.0-20 (new)

Related Documentation

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

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

New Functionality, Enhancements, and Fixes

GTTE v20.5 contains a number of noteworthy enhancements.

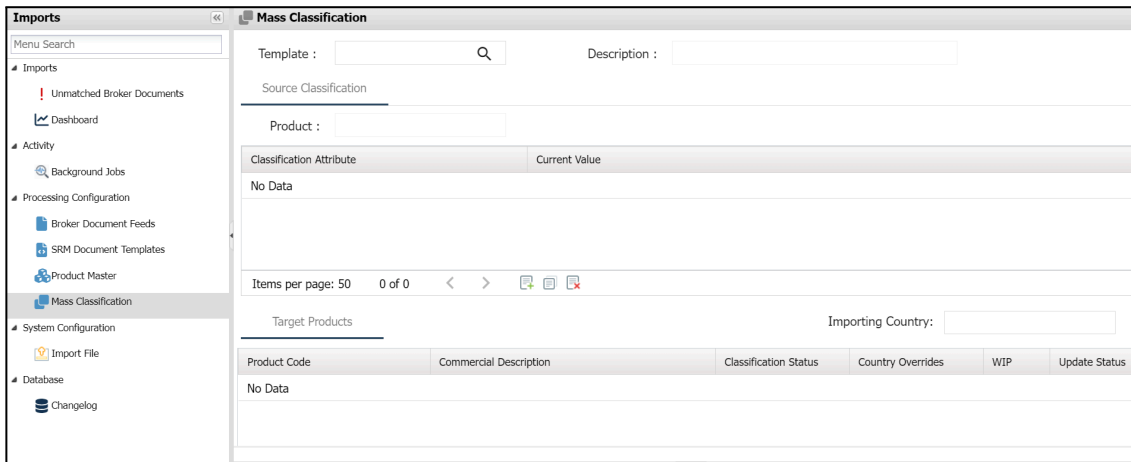
Import Management

Mass Classification

On the Imports portal, use the Mass Classification screen (menu option IMPMC) to copy the classification of a source product to multiple target products. You can copy either the entire source product classification or certain attributes of the classification to the target products.

Fig. 1

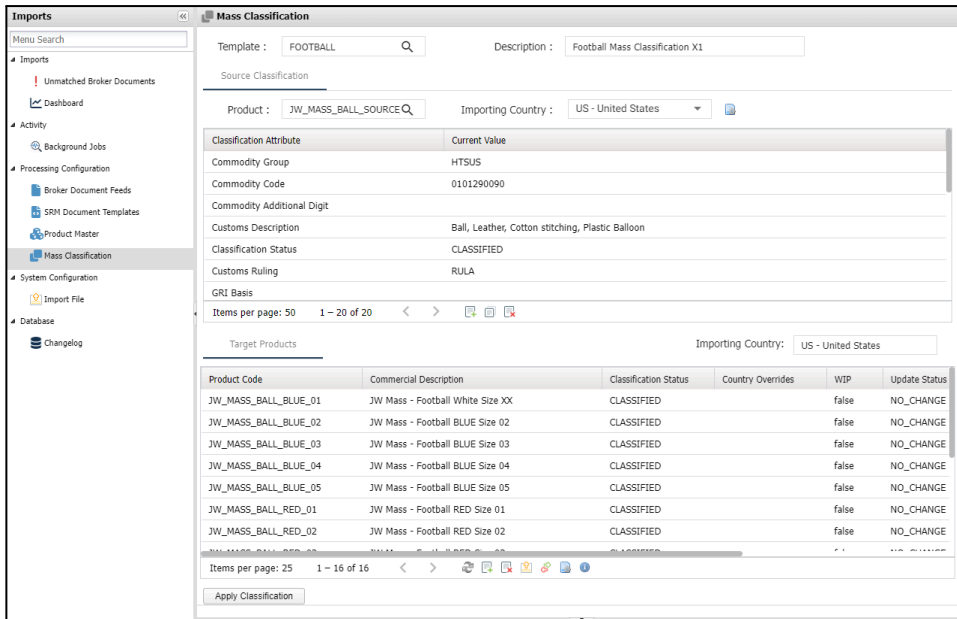
Mass Classification Screen




When you initially open the screen, the Source Classification and Target Products sections are not available. To start mass classification, select an existing template or create a new template.

Fig. 2

Mass Classification Screen with Template




You do not need to leave the Mass Classification screen to update the source or target product classification. To open the Classification Worksheet screen, click the Classification Worksheet icon  .

When you apply a mass classification to a product, the system creates an audit for that product, which you can access on the Product Master screen on the Audit tab.

AI-Assisted Product Classification

A new AI-powered feature to expedite and simplify product classification is available in the Classification Worksheet screen. The feature leverages the QAD Champion AI solution to analyze existing product classifications. QAD Champion then provides classification recommendations for new products. The AI tool analyzes product data and generates classification recommendations, ranking them by similarity to the new product.

To access AI-assisted recommendations, on the Classification Worksheet screen, click the

QAD Champion sparkle in the lower-right corner. 

Note: When you access QAD Champion through the Imports Dashboard screen (menu option IMPDH), if the product is not classified, then the QAD Champion window should automatically open. If the product is already classified, then the window does not open until you click the sparkle. QAD Champion does not open automatically if you access the Classification Worksheet screen through menu option IMPPR.

When you accept or reject recommendations, the AI solution learns from your feedback and refines future suggestions.

Each QAD GTTE client receives a unique AI model trained solely on their data. This data is not shared with other users or third parties.

Caution: The QAD Champion AI tool is an assistant to human oversight. Verify all AI classification recommendations before saving.

Importer Security Filing (ISF)

In the Workflow Portal, on the ISF workflow tab, use the new ISF Validate and Transmit task to self-file 10+2 ISFs. You can also track the statuses of filings in the task.

Fig. 3
ISF Validate and Transmit Workflow Task

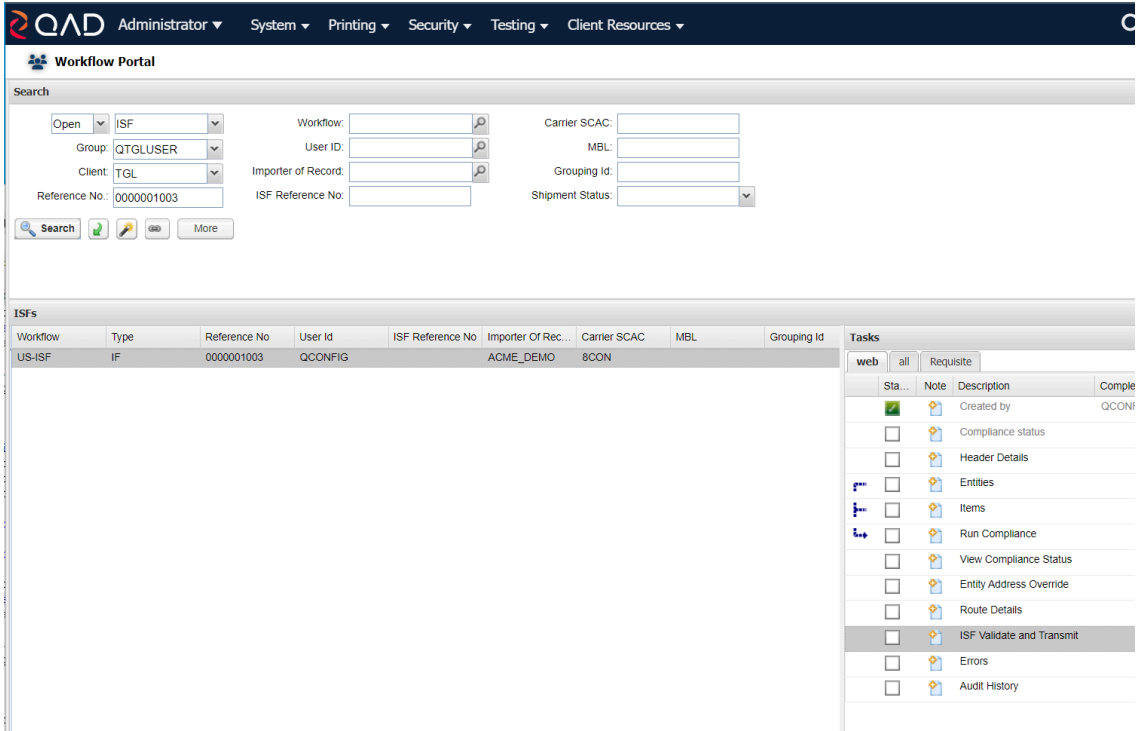
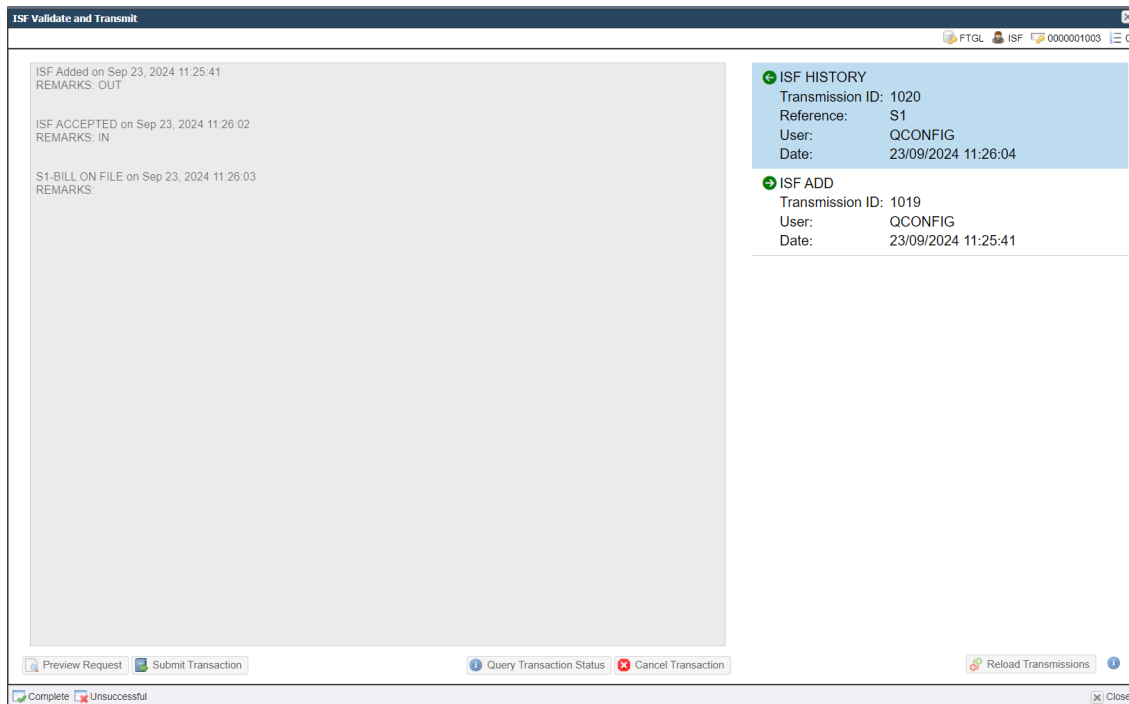


Fig. 4

ISF Validate and Transmit History



Admissibility Flag Enhancements

Admissibility Flag API Enhancements

The Imports API is enhanced to include the ability to import admissibility flag statuses as part of the product classification. This minimizes the number of admissibility flags that you need to set manually and enables you to integrate admissibility flag decisions that were made in your ERP system into QAD GTTE.

In the Imports API, the following admissibility flag fields are now available in the CustomsClassification schema:

- pgaFlags
 - flagCode (mandatory)
 - applicable (mandatory)
 - startDate
 - endDate
 - reasonCode
 - reasonNote
- additionalDutyFlags
 - flagCode (mandatory)
 - applicable (mandatory)
 - startDate
 - endDate
 - reasonCode
 - reasonNote

For more information on these flags, refer to the Imports API Swagger page.

In the QAD GTTE application, changes made to the product classification based on the API are listed in the Audit tab of the Product Details window.

Admissibility Flag Configuration

On the Imports Configurator screen, on the Imports API tab, a new section called Admissibility Flags is now available. Use this section to configure whether admissibility flag updates from the Imports API are applied where the commodity code is initially set, updated, or not changed.

Imports Portal Enhancements

- A new API system log is available in the Imports portal (menu option IMP) in System Log > API Log. Use this option to view logs related to the processing of API messages.
- A new product error system log is available in the Imports portal in System Log > Product Error. Use this option to view product processing errors.
- You can now view data client levels in the Imports portal in System Configuration > Data Level.

Delivery Exception Management (DEM)

Supplier Integrations

- DEM supports a number of new supplier tracking updates.

Table 2

New Supplier Tracking Updates in the QAD GTTE v20.5 Release

Supplier	Status Message Format
AGX	API (Tracking Number)
AMP Groep	API (Date Range)
Chronopost	CSV (Proprietary)
City Lojistik	API (Webhook)
GLS Netherlands	API (Date Range)
Steenbergen	XML (Proprietary)

- DEM includes enhancements for the following supplier integrations.

Table 3

DEM Supplier Integrations Enhanced in the QAD GTTE v20.5 Release

Supplier	Enhancement
Aramex	Generic CSV: The integration includes updates to the supplier preset data.
DB Schenker	EDI IFTSTA D96A: DEM now includes support for the Asia region. Previously, only the Europe region was supported.
Expeditors	API (Date Range): DEM now processes weight and volume units of measure data from the supplier correctly.
Pallex	API (Tracking Number): The integration includes updates to the supplier preset data.
UPS	EDI 214 v5010: DEM now includes updated UPS status code mapping data.

Supplier	Enhancement
Velltrans	Generic CSV: The supplier preset data now includes updated FTP details.

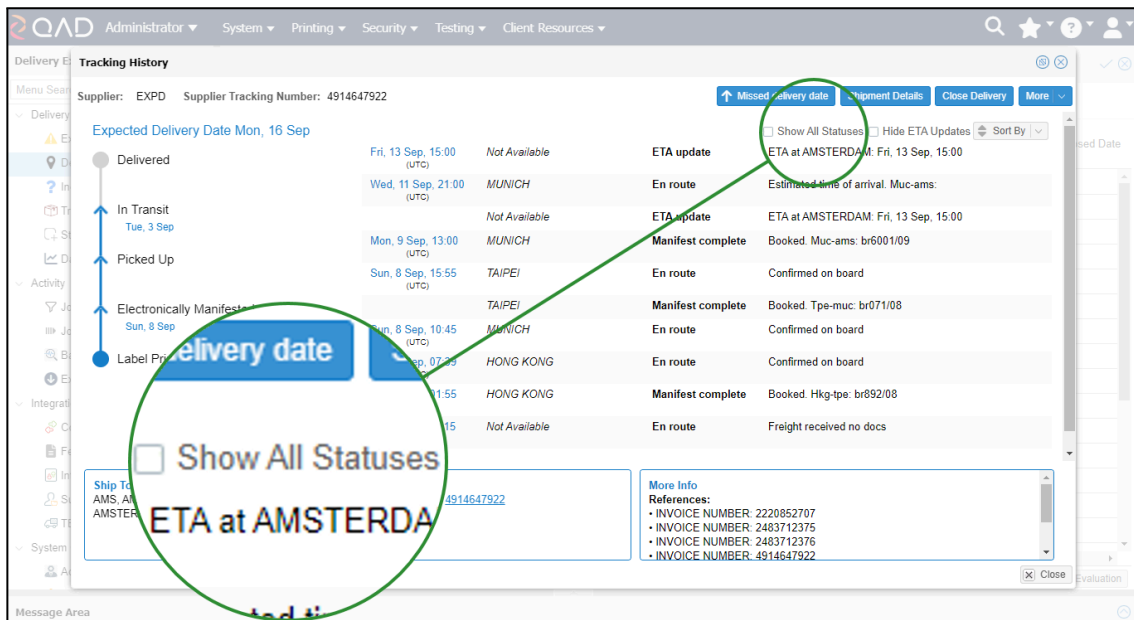
- The total number of recognized suppliers listed by the Create Supplier Wizard is now **125**.

User Experience Enhancements

- On the Tracking History page, you can now hide specific supplier updates to exclude verbose details provided by the supplier.

Fig. 5

Show All Statuses Option in the Tracking History Results

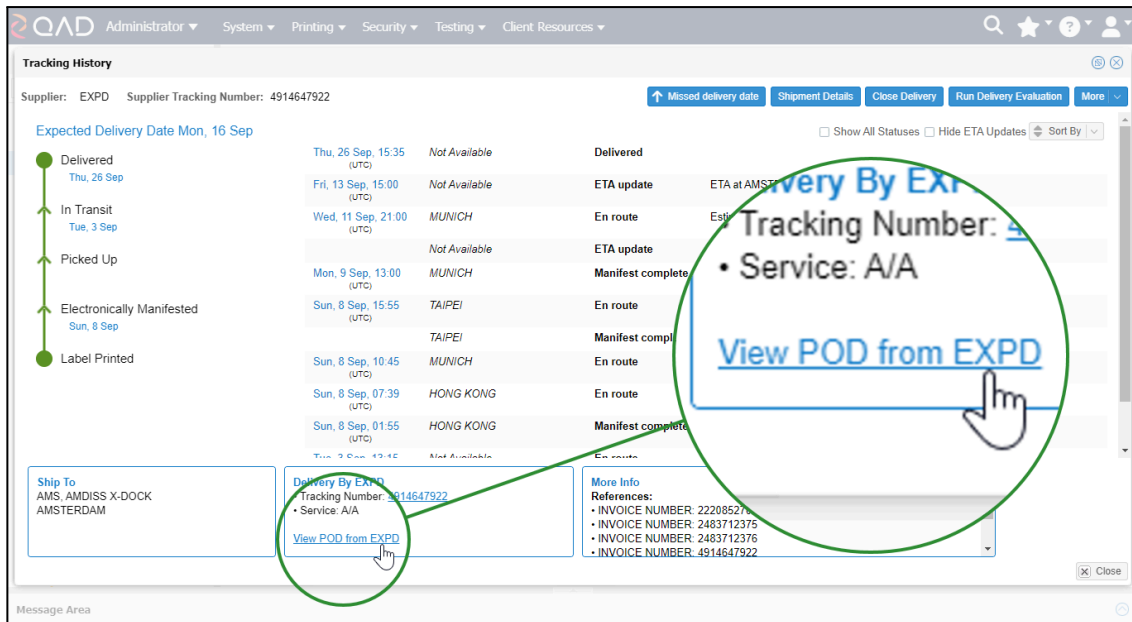


Changes to Background Processing

- Proof of Delivery (POD):
 - DEM now includes POD support for AGX and Expeditors supplier integrations.
 - DEM now leverages Electronic File Management (EFM) to store POD images. A new EFM rule named PROOF_OF_DELIVERY is used to configure the storage location of POD images.
 - The user interface for managing POD content is updated.

Fig. 6

Accessing the Proof of Delivery Link from the Tracking History Screen



- POD polling jobs can now be distributed across multiple application servers.
- The DEM purge process now includes the purging of associated POD images stored in EFM. This process prevents orphaned POD files remaining in the system after the related deliveries are deleted.
- Status Updates Using API Polling:
 - A new FAIL email notification alerts administrators to any problems with the background polling. After ten failed attempts to make an API call, the supplier is disabled. Attempts to connect with the supplier stop until you manually enable the supplier by editing the supplier record and selecting the Enabled checkbox in the Polling section.
 - Suppliers with polling disabled display in gray.

Miscellaneous Enhancements and Fixes

- You can now delete records when using the Import File option.
- DEM endpoints used by Highway are now secured using basic HTTP authentication.
- DEM now includes CSRF protection as an additional security feature.
- Technical change: The DEM microservice now uses Spring Boot 3.2.

Docs

New Data Tags

More data tags are available, allowing you to map more data elements from a shipment to a document. The following data tags are now available in Docs:

Table 4

New Data Tags in Docs

Tags	Description
item-backorder-quantity item-closed-quantity item-inner-ship-quantity item-interfaced-ship-quantity item-expected-po-quantity item-ordered-quantity item-parent-quantity item-quantity-in-open-despatches item-recovered-duty-quantity	Item quantity values. Some values are taken directly from the item record, while others are calculated values.
user-defined1, 3 ... 9, 11 ... 14 user-defined-field1 ... 7, 10 ... 14-ext	User-defined values for the shipment and shipment extension header.
item-user-defined1 ... 19 pack-precision-defined-field1 ... 5	User-defined and system-defined values for items and packages.
item-order-line-no item-customer-product-code	Item information from the database columns XMSITM0.SIXBLN and XMSITM0.SICPRD.
total-item-inner-ship-quantity	The total of item backorder ship quantities. The total is calculated from the summation of each item line ship quantity divided by the number of inners, rounding up the result to the next integer.
party-code-selection	Similar to other selection data tags for a party, but provides the partner code.
item-break-1 item-break-2 pack-break-1 pack-break-2	These data tags are used to conditionally modify output when there is a change in the sort value. They are typically employed to insert a series of dashes when there is a change in, for example, the item purchase order, or when the detail area lists items for a shipment ordered by item purchase order.

Note: The Web UI must be version 8.0.11+ or 11.0.0+ for the new tags to be pushed correctly to Docs.

Mapping Enhancements

Break By Data Tags

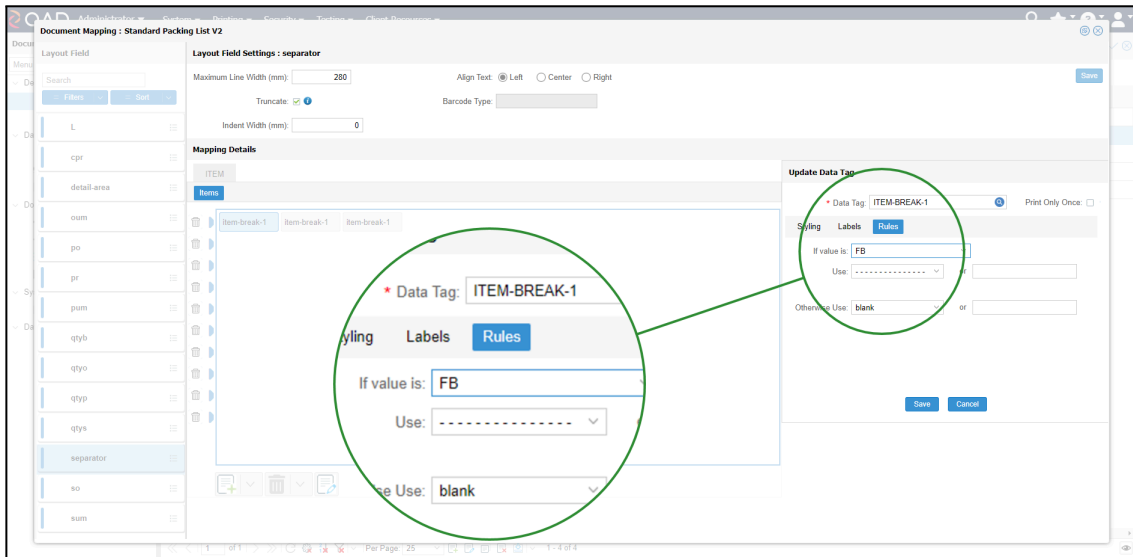
When you use the recently added Sort By Hint field, one or more data tags are populated with values that enable you to condition output based on changes in the sort by value. For example, if the sort by hint is set to PO Numbers (items=poNumber), the item-break-1 data tag is populated with values indicating how the item PO Number changes as the output progresses through the shipment items.

Possible values for a break data tag are:

- **F** = First - Very first value.
- **FB** = First Break - First of a new value.
- **B** = Break - Last break (LB)=FB. Only one of a particular value.
- **LB** = Last Break - The last of a value.
- **L** = Last - The last value is the same as the previous value.
- **BL** = Break Last - The last value is different from the previous value.
- = Blank - The value is the same as the previous and the next values.

Fig. 7

Break By Tags



Note: You can now enter long text up to 1000 characters in the Use and Otherwise Use fields. This enables you to enter a dotted line spanning the entire width of the document.

Fig. 8

Dotted Line in Document

Total number of pallets:												
Line	Customer Item nbr	Item nbr	Description	Quantity Ordered	UM	Quantity Shipped	UM	Packages Shipped	Package UM	Backorder Qty	Custom PO	Order Number
10		HK_REG_01	HK Reg Test Product	0.00	EA	6.00	EA	0.00	BOX			
20		2-4-5000-113	FILTER -INLINE FILTER ELEMENT	0.00	EA	20.00	EA	0.00				
30		A1000002	BOOTS - SIZE 9 - BLACK	0.00	EA	6.00	EA	0.00	BOX			
40		A1000002	BOOTS - SIZE 9 - BLACK	0.00	EA	6.00	EA	0.00	BOX			

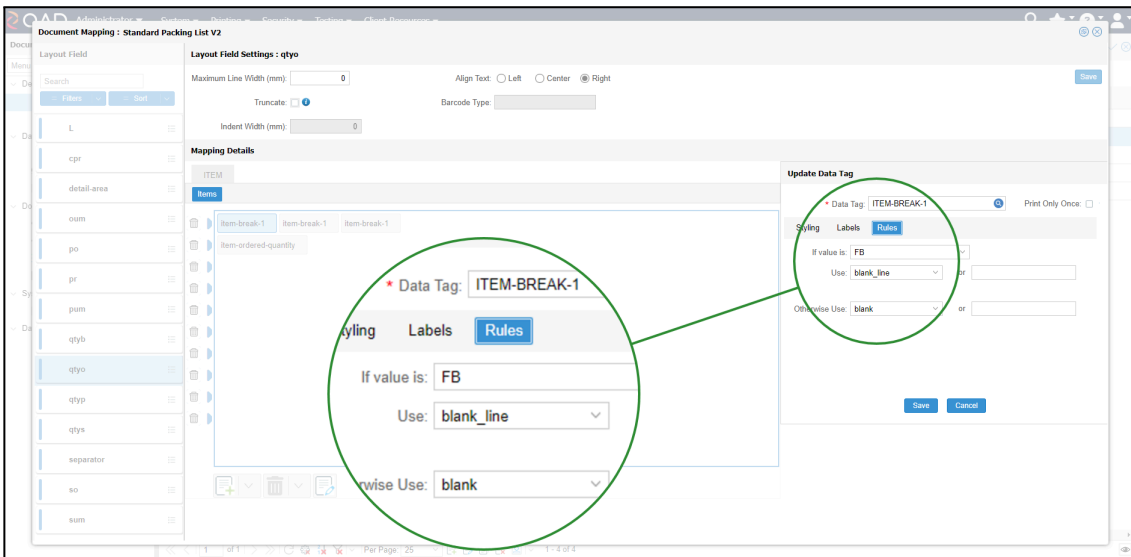
50		A199-A	Injection Mold	900.00	EA	800.00	EA	0.00	CASE		123456	

Mapping Rules: Use and Otherwise Use Option

You can now specify that a new blank line should be outputted when a rule condition is met. This works in conjunction with the new break by data tag feature, as it allows data to be output below the dotted line from another data tag mapping.

Fig. 9

Use and Otherwise Use Dropdown Menus



Note: You can now also set the same value for the Use and Otherwise Use fields. Previously, validation required that the values entered be different.

Reports

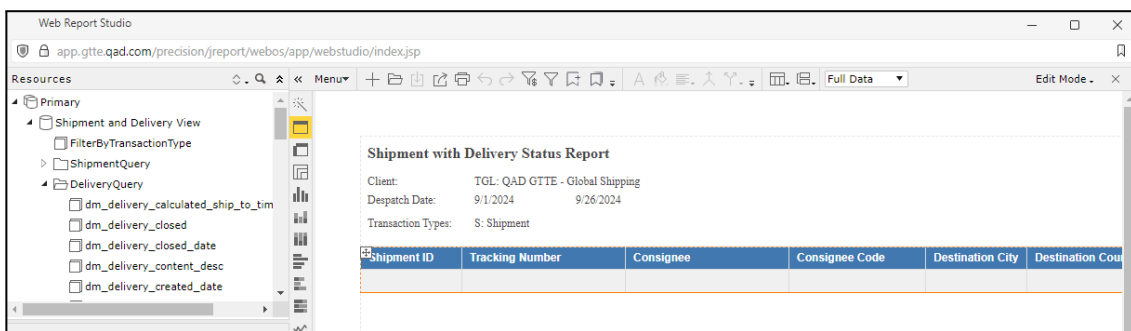
New Reports

Shipment Summary with Delivery Status Report

This report summarizes shipments and includes DEM tracking status information. The tracking information is at the shipment level. For a multi-piece shipment, where the deliveries have different tracking numbers, the report shows information based on one of the undelivered packages. If all packages are delivered then the overall tracking status is reported as delivered.

Fig. 10

Option to Include Both Shipment and DEM Data Elements on the Shipment Delivery Report



User Report

This report lists all of the users that are configured, from the menu option US, in the QAD GTTE application.

HS Country Group — Hierarchy Data Report

This report lists the Harmonized System Country Groups and all descendant entities for a specific client.

Shipment Party Override Report

This report provides an overview of the shipment header and partner override-level attributes. The report has one row for each shipment partner override. The report includes the shipment header-level attributes.

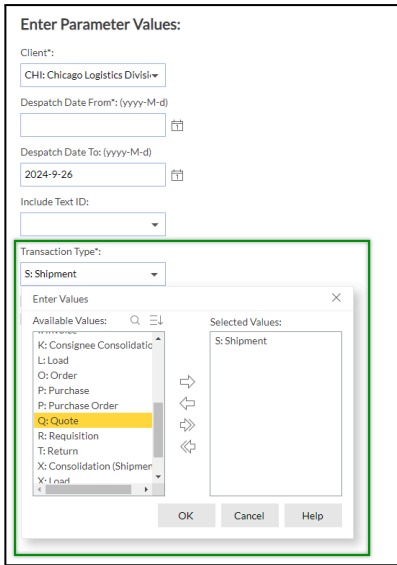
Updated Reports

Shipment Summary Report

You can now include multiple transaction types in the Shipment Summary report. By default, the report runs on shipment transactions.

Fig. 11

Select Multiple Transaction Types



Base

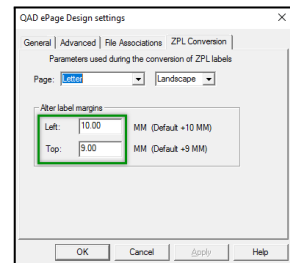
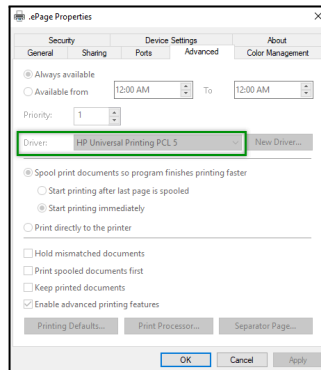
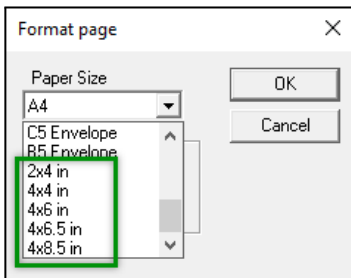
ePage

The ePage Design version released with QAD GTTE v20.5 is 2.6.5.0.

- Support for additional PDF output paper sizes is added:
 - 4" x 4"
 - 4" x 6"
 - 4" x 6.5"
 - 4" x 8.5"
- Support for the HP Universal Printing PCL 6 printer driver is added. You can set the fake ePage printer driver to the HP Universal Printing PCL 6 printer driver.
- A stability issue that can cause ePage to crash when trying to update Zebra Programming Language (ZPL) conversion label margins with decimal values is corrected.

Fig. 12

ePage Settings and Printer Pop Ups



Listener Log Analyzer

The Log File Analyzer version released with QAD GTTE v20.5 is 2.1.

This version corrects some issues that cause the analyzer to crash if the time between logged entries is extremely small.

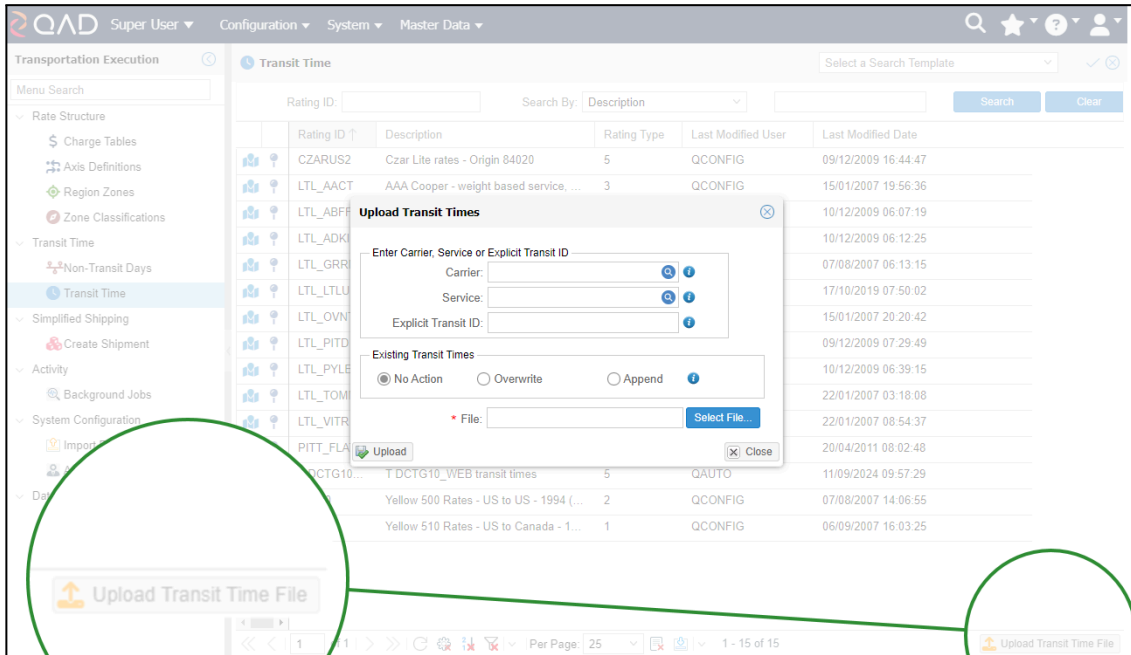
Transportation Execution (TE)

Transit Time

You can now use the Upload Transit Time File button on the Transit Time page (menu option TE_RN) to upload transit time files on a carrier, carrier service, or explicit transit ID basis. You can also delete existing transit time records in the Transit Time grid.

Fig. 13

Transit Time File Upload



Routing Guide

When uploading a Routing Guide file you can choose to overwrite any existing routing guide rules or to append the file content to the existing rules.

A number of issues identified when uploading Routing Guide files have been resolved.

Simplified Shipping (Preview Feature)

The new Simplified Shipping screen, menu option TE_SS, enables you to create shipments from a single interface. This preview feature offers basic functionality for creating and rating simple domestic shipments. Future updates will expand its capabilities.

Fig. 14

Simplified Shipping - Create Shipment

The screenshot displays the QAD 'Create Shipment' form. The top navigation bar includes 'QAD Super User', 'Configuration', 'System', and 'Master Data'. The left sidebar, titled 'Transportation Execution', lists various configuration options, with 'Create Shipment' highlighted. The main form area is titled 'Create Shipment' and features a 'Shipment Type' dropdown menu set to 'Standard Shipment'. Below this, the 'Ship From' section contains several input fields: 'Company or Name', 'Address Line 1', 'Address Line 2', 'City', 'Postal Code', 'State', 'Country' (a dropdown menu), 'Email', and 'Phone'. A 'Next' button is located at the bottom right of the 'Ship From' section. On the right side of the form, a vertical progress indicator shows three steps: 'Ship From' (the current step, indicated by a blue dot), 'Ship To', and 'Package Info'.

Desktop Shipping

As an administrator, you can now refine the text used for the standard Desktop Shipping validation and error messages. A new option, CFGERR, allows you to create and maintain the relevant system values.

Shipping APIs

RESTful shipping APIs have been added in addition to the existing standard shipping web services.

The TE Swagger page now lists nine shipping endpoints, providing sample requests, XML schemas, and the ability to try out the API functionality.

Authentication for these new RESTful APIs is done using secure OAuth 2.0 access tokens.

Fig. 15

New RESTful Shipping APIs in Swagger

Shipments		API that supports Shipments maintenance.		^
POST	/api/shipments	Create shipment.	▼	🔒
POST	/api/shipments/void	Void shipment.	▼	🔒
POST	/api/shipments/update	Update shipment.	▼	🔒
POST	/api/shipments/ship	Ship shipment.	▼	🔒
POST	/api/shipments/reprint	Reprint shipment.	▼	🔒
POST	/api/shipments/quote	Rate shop shipment.	▼	🔒
POST	/api/shipments/query	Query shipment.	▼	🔒
POST	/api/shipments/process	Process shipment.	▼	🔒
POST	/api/shipments/process-eod	Process EOD.	▼	🔒

Web UI Updates

The v20.5 release includes fixes from Web UI patches 10.0.0-1 to 10.0.3 inclusive.

Compliance

- A compliance listener stability issue is now fixed. Previously, an issue could occur if extended characters were used in the compliance run reference fields.
- The keyword check for Texts is working. Previously, there was a null pointer error issue with the keyword check.
- Improved validation errors in the PRNR compliance check summary now include problem product details. Previously, the errors did not include this information.
- The name of the downloaded summary file is the name of the uploaded file suffixed with “-CK upload summary <YYYY-MM-DD>_<HH-MM-SS>”. The appended date represents the download date and the appended time represents the download timestamp. For example, when the upload file is named 20240216 PRNR TEST.csv, the downloaded summary file is 20240216 PRNR TEST-CK upload summary 2024-02-22_11-55-48.csv.
- An issue that could occur when a workflow task had a compliance check task set up as a prerequisite is now resolved. Previously, if the prerequisite compliance check identified compliance failures, it displayed an invalid “object object” error message.
- The system now uses local time in the Run Time field on the History Page screen. Previously, the system used GMT.
- An issue with the recheck feature on the Compliance Results task is now fixed. Previously, the recheck was, under certain conditions, removing manual pass/fail check results.

Consolidations

- In the Consolidate Shipments (menu option BUILD A) and Consolidate Orders (menu option BUILD B) screens, when you configure the columns and column positions in the Shipments grid, these settings are stored for your future visits to the screens. Previously, the configuration did not persist and you had to configure them on each visit to the screens.

Customs Declarations

- ATLAS
 - The transmission time shown on the Check and Submit screen is consistent with the time detailed in the XPDF transmission file. Previously, the times were not consistent.
 - When available, the Box 44 window displays export control data in the Box44 window. This behavior supports the ability to create Box44 details from the export control data.
- AES
 - AES - Screen now allows data to be saved even when the Service field is blank.

Login

- The Packing Location value now defaults correctly on the login screen when the client is changed.

Maintaining Master Data

- Sorting now works as expected on the System Values screen, menu option Y3.

Scan Pack and Ship

- A new column, Product 2, is now available in the Items to be Packed and Pack Items grids. You can filter each grid by this column.

Workflow

- Standard Packing task: A new PACKING system value, DEFAULT NET WEIGHT, controls how a pack's net weight is calculated on the Standard Packing workflow task. When set to YES, which is the default value, the Net Weight value is calculated by subtracting the Tare Weight value from the Gross Weight value. When the system value is set to No, the Net Weight is calculated automatically.
- Issues with searching on and viewing the shipment Invoice Date field in Workflow have been corrected.
- Manifest task: The Carrier A/C No field no longer remains populated after the Freight Payment Method or Delivery Terms values are changed.
- Shipment Items task: Lot quantity validation based on the EXPREFUNDS system value, ALLOCATE RC/AFC AT LOT LEVEL, and the SHIPMENT system value, LOT MATCH ITEM, is available in the Web UI. The validation is similar to what is available in the Windows UI.
- There is now improved data validation in the Create Shipment window.

- A number of issues with the shipment search functionality have been corrected.
- You can now use a new WORKFLOW system value, CRT SHIP - NO NR UPDATE, to stop Partner master data from being updated by the overridden address entered on the Create Shipment screen.
- When you preview a document from the Documents task, you now see a PDF document regardless of the locale that you chose when you logged in.

XML Upload and Export

- In the XML Upload screen, menu option XML, you can now upload XML files of any size. Previously, there was a limit on the file size.
- The In Use values are now included in system value data when it is exported from the System Values screen, menu option Y3, even when the value is false.

Highway

The Highway version released with QAD GTTE v20.5 is 12.0.0. The Highway database schema did not change in this release.

- Highway can be configured to test if a destination endpoint is available before consuming messages from a source endpoint. The logic now only tests if the destination endpoint is available if there is at least one message on the source endpoint, potentially reducing the number of requests Highway is required to make.
- The mechanism used to exchange listener configuration data with the Web UI has changed. The Spring HTTP Invoker logic has been removed and replaced with RESTful APIs.
Note: This does not change how Web UI listeners get and process messages. It only changes how the Web UI listener gets the information it needs to start listening for messages on a queue.

Content Subscriber

The Subscriber version released with QAD GTTE v20.5 is 7.0.0.

- Log output from the Subscriber is improved, especially when content fails to install. The subscriber logs content history (HU) information, along with technical SQL information used to determine if the content was installed.
- Subscriber now enables the QAD Support team to download subscriber log files directly from within the QAD Content Publisher system.
- Subscriber now uses Auth0 rather than Keycloak to authenticate calls to its APIs.
- The Spring Boot version is updated to 3.2.8.

Transportation Execution - Global Carrier Network

Introduction

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

General Enhancements

Black Box – General Changes


When applicable, you can now apply default accessorials to Return shipments.

It is now possible to return the PKBARCODE field value as a TrackingNumber in the response message.




Carrier-Specific Enhancements





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





The number of new carrier integrations added is **12**, while **31** existing integrations have been notably enhanced in this release.

Carrier		Note
AGX Group		Engine <ul style="list-style-type: none">+ A job can now be canceled or voided even if the API call fails.+ The maximum number of attempts to retrieve the label from the API back-end is now configurable.
Amazon		Services <ul style="list-style-type: none">+ Direct Fulfillment services+ Merchant Fulfillment services
AMP Groep		See Carrier Functionality Guide for more details on this carrier.
Blue Dart		Engine <ul style="list-style-type: none">+ Supports API schema v1.10
Bring		Communication <ul style="list-style-type: none">+ Supports the emailing of the PLD file

		<p>Engine</p> <ul style="list-style-type: none"> + Supports shipping to service points and supports calls to the Bring service point API to determine the Service Point of a destination + When the Tracking Number range expires, the system either correctly resets the range to the next starting sequence number or displays an error. <p>Label</p> <ul style="list-style-type: none"> + Supports an additional reference for the return label + Supports a configurable barcode on the return label + You can now suppress special instructions on the Return label. <p>Mapping</p> <ul style="list-style-type: none"> + The mapping for phone number formats is now correct.
Canada Post		<p>Mapping</p> <ul style="list-style-type: none"> + Support for Leave At Door and Residential Delivery <p>Engine</p> <ul style="list-style-type: none"> + Includes corrections for the handling of US and International services + Tracking number ranges are not recycled.
City Lojistik		<p>Engine</p> <ul style="list-style-type: none"> + Supports the voiding or canceling of a shipment + There is now improved error handling during API communication. <p>Service</p> <ul style="list-style-type: none"> + Heavy & Bulky service
Dachser		<p>Engine</p> <ul style="list-style-type: none"> + The Canary Islands are treated as Spain. <p>Services</p> <ul style="list-style-type: none"> + Classicline service + Targofix Early Morning services
Danske Fragtmænd		<p>Communication</p> <ul style="list-style-type: none"> + Support for SFTP of the end-of-day manifest file + Support for XTTRANSF for the API routing call

Danx		<p>Communication</p> <ul style="list-style-type: none"> + Support for SFTP of the end-of-day manifest file
DB Schenker		<p>Services</p> <ul style="list-style-type: none"> + System Home service
DB Schenker Sweden		See Carrier Functionality Guide for more details on this carrier.
DHL Benelux API		<p>Label</p> <ul style="list-style-type: none"> + A customized section can be appended to the carrier-generated label.
DHL eCommerce (Europe)		<p>Engine</p> <ul style="list-style-type: none"> + Amendments support return shipments
DHL eCommerce (US)		<p>Engine</p> <ul style="list-style-type: none"> + Aligns with the latest USPS requirements for label service descriptions and STC codes.
DHL Nordics		<p>Engine</p> <ul style="list-style-type: none"> + The CMR document can now be referenced for printing.
DHL Paket API		See Carrier Functionality Guide for more details on this carrier.
DHL Parcel Retoure		See Carrier Functionality Guide for more details on this carrier.
DHL XML PI		<p>Mapping</p> <ul style="list-style-type: none"> + Supports mapping of the MRN number <p>Rating</p> <ul style="list-style-type: none"> + Supports a second call to the rating process without a postal code or city if the rating fails <p>Label</p> <ul style="list-style-type: none"> + The label is now aligned with the latest carrier requirements.
Expeditors		<p>Engine</p> <ul style="list-style-type: none"> + Changed to the Tracking Number (OnHand) structure.

FedEx FSMS		Engine + Includes error-handling improvements to ETD processing
FedEx Rest API (beta)		See Carrier Functionality Guide for more details on this carrier.
FedEx Webservices		Engine + Excludes GB from the EU within the paperless processing Services + Extended set of European Domestic services
Geodis France API		Mapping + Support for Dangerous Goods + Improved error handling during API communication
GLS Poland		Engine + Shipments to the Channel Islands are treated as shipments to GB.
Hamann		See Carrier Functionality Guide for more details on this carrier.
Heppner		Engine + Changes requested from the carrier, for the separation of data by service through multiple manifest files, have been introduced.
InPost Poland		See Carrier Functionality Guide for more details on this carrier.
Instabox		See Carrier Functionality Guide for more details on this carrier.
OnTrac		Engine + Switched to schema v7 of the carrier API
Optima		Services + Next Day Commercial service
Paquet Express		Engine + Includes a correction for the parsing of API credentials.

PostNL		<p>Engine</p> <ul style="list-style-type: none"> + Now maps product and service data differently when shipping to an Antwoordnummer address
Postnord		<p>Mapping</p> <ul style="list-style-type: none"> + Support for Dangerous Goods data <p>Services</p> <ul style="list-style-type: none"> + Support for Finland origin
Prevote		See Carrier Functionality Guide for more details on this carrier.
SAEE		See Carrier Functionality Guide for more details on this carrier.
Seur		<p>Engine</p> <ul style="list-style-type: none"> + Alternative routing processing is now supported for shipments to the Canary Islands.
SMC3		<p>Engine</p> <ul style="list-style-type: none"> + Rating requests can be based on commodity weights instead of package weights.
SLS		See Carrier Functionality Guide for more details on this carrier.
Speedlink		<p>Engine</p> <ul style="list-style-type: none"> + The Canary Islands are now treated as Spain.
Steenbergen		See Carrier Functionality Guide for more details on this carrier.
TNT Express		<p>Engine</p> <ul style="list-style-type: none"> + Support for EDR/EDO (paperless) <p>Services</p> <ul style="list-style-type: none"> + DEDN (Direct Network Inject Exclusive) for Sweden origin
UPS		<p>Engine</p> <ul style="list-style-type: none"> + Support for OAuth 2.0 for API calls

		Services + UPS Premier service
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Technical Details

Java Version

The Java version used by QAD GTTE is 17.

- Java runtime upgraded to Temurin-17.0.12+7.

Progress OpenEdge Version

The OpenEdge version used by QAD GTTE is 12.

- OpenEdge runtime upgraded to 12.2.16.

Logi Reports Server Version

The Logi Reports Server version used by QAD GTTE is V24.

- Logi Reports Server runtime upgraded to V24.1 Service Pack 1.

Session Management

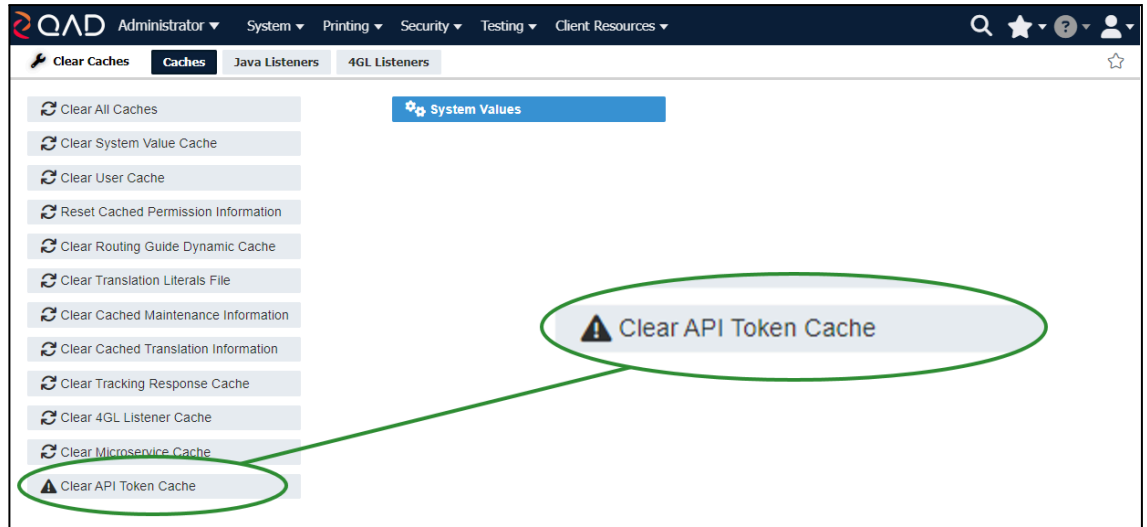
- The information stored in the Web UI session has been modified, resulting in a reduction in the session memory footprint.
- Sessions are now serializable, allowing Tomcat to persist sessions across restarts.

API Authentication

- Auth0 has replaced Keycloak, and the Keycloak service is no longer available. QAD GTTE now uses [Auth0.com](https://auth0.com), a cloud-based solution, to issue and validate bearer tokens for authenticating API calls to QAD GTTE.
- Bearer tokens are, by default, valid for up to 24 hours. To optimize token usage and avoid unnecessary calls to Auth0 for generating new tokens using a client secret, tokens are cached for 12 hours. The bearer token cache can be cleared using the ADMIN menu option.

Fig. 16

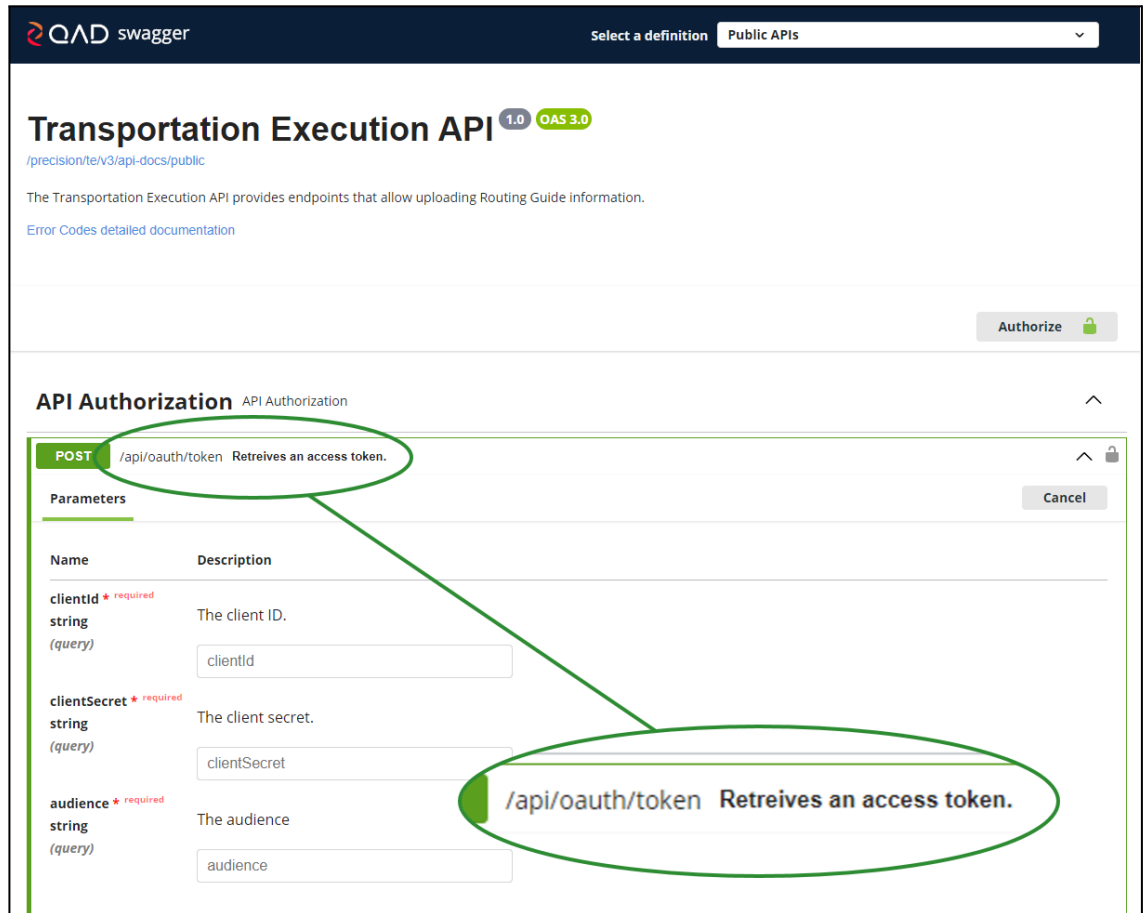
The Clear Caches Administration Screen with the New Clear API Token Cache Button



- The API `/api/oauth/token` endpoint added to QAD GTTE provides a bearer token when valid client, secret, and audience information is provided.

Fig. 17

New `/api/oauth/token` API Endpoint in Swagger



Java Listeners

- The way the Web UI Java listeners connect with Highway to retrieve connection information about the JMS queues has changed. HttpInvoker is replaced with a RESTful API call. The precision.properties file now references “restApi” instead of “httpInvoker”.

Web Security

- The microservices are using Spring Boot 3.2.8.
- A new stricter content security policy (CSP) is now enabled for a number of pages.
- Tomcat is upgraded to 9.0.93 to address a number of [CVEs](#).
- CSRF is now enabled for the DEM, EFM, FBAP, Imports, Docs, and Foundation services.
- XSS protection is improved for the DEM, EFM, FBAP, Imports, Docs, and Foundation services.
- Some minor Imports security issues are resolved.
- Veracode SCA, SAST, and DAST scans pass. A number of third-party Java dependencies were updated to later versions to address known CVEs.

Fig. 18

Veracode Green Shield

