



QAD Adaptive Applications

# QAD Global Trade and Transportation Execution (GTTE) Web UI Release Notes

## September 2022

These release notes include information about the latest QAD GTTE—formerly QAD Precision—Web UI 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.

**Overview**    2

**Web UI v9.0**    3

## Overview

**Current QAD GTTE Version:** v20

**Current QAD GTTE Web UI Version:** v9.0

**Release Date:** September 2022

## Related Documentation

User and administration guides for this release will be available later. Existing user and administration guides are available in the QAD Document Library:

<https://documentlibrary.qad.com>

## Web UI v9.0

The current Web UI version is v9.0. It contains a number of noteworthy enhancements.

## Base

### Workflow Portal


#### Address Verification

A new address verification feature has been added. This tool, powered by Loqate, allows users to verify addresses in the *Partners - Address Changes* Workflow task. To perform verification, users must select the *Verify Address* checkbox and click *Save*.

Fig. 1

Verify Address Checkbox, Partners - Address Changes Workflow Task

The screenshot displays the 'Partners - Address Changes' workflow task. On the left, a 'Partner Roles' list includes 'Customer', 'Ship To', 'Shipper', and 'Third Party'. The 'Customer' role is selected, and a red box highlights a green checkmark icon next to it. The 'Ship To' role has an orange warning icon next to it. The main form contains fields for Name (The Supplier), Contact, Address Line 1-5, City, State, County, Postal Code, Country, Phone Number, Fax Number, Email, and Consignee Type. A 'Verify Address' checkbox is checked and highlighted with a red box. Below it are 'Save' and 'Reset Address' buttons. The bottom status bar shows 'Complete' and 'Unsuccessful' options, with 'Complete' selected.

If the address does not meet the required validity threshold and fails, a red  icon appears beside the relevant partner role. An *Address Verification* pop-up window also highlights the invalid address line(s) in red. You can either accept or ignore the suggested address correction(s).


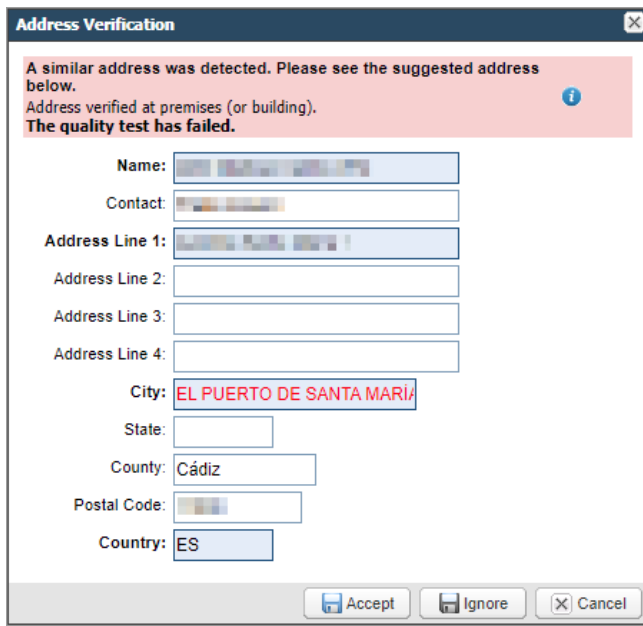
In some cases, an orange  icon displays. This indicates that the current status is unknown because address verification has not been run, or the address changed and the “*Verify Address*” field was unchecked.

Fig. 2

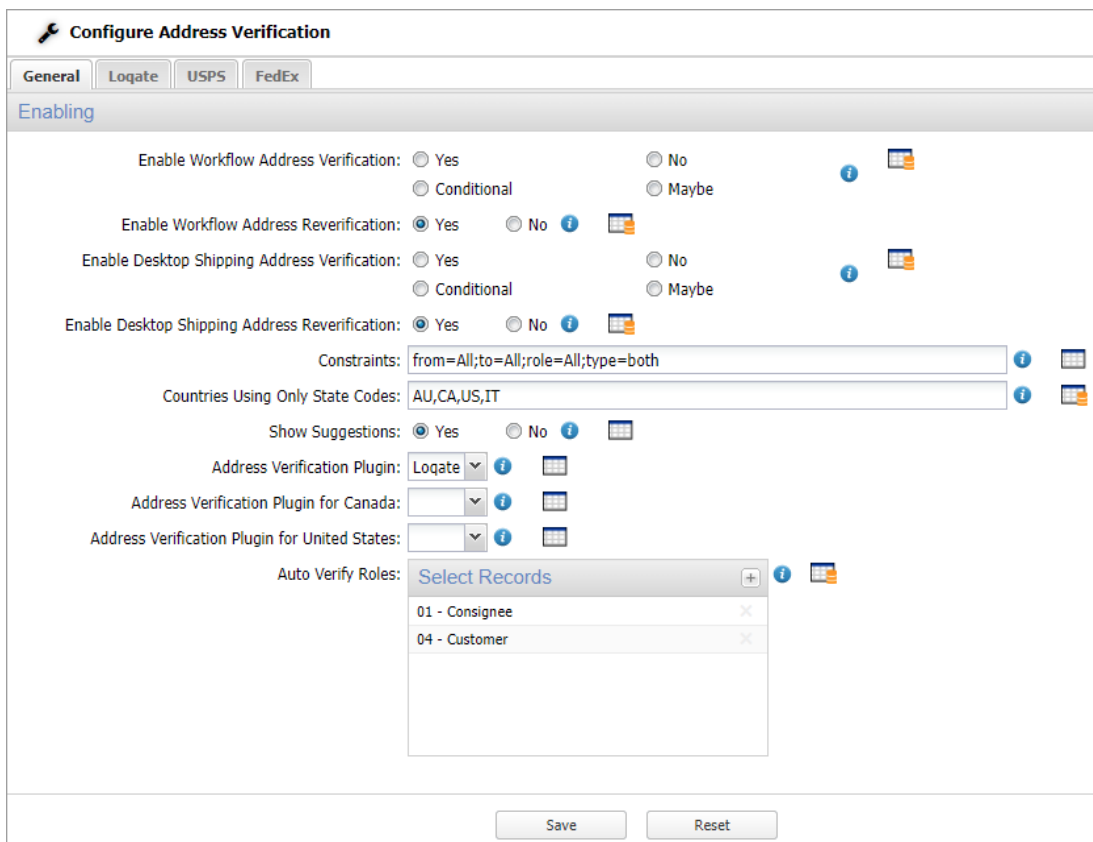
Address Verification Pop-up



This functionality is configurable at a global level on the *Configure Address Verification* page, option CFGAV.

Fig. 3

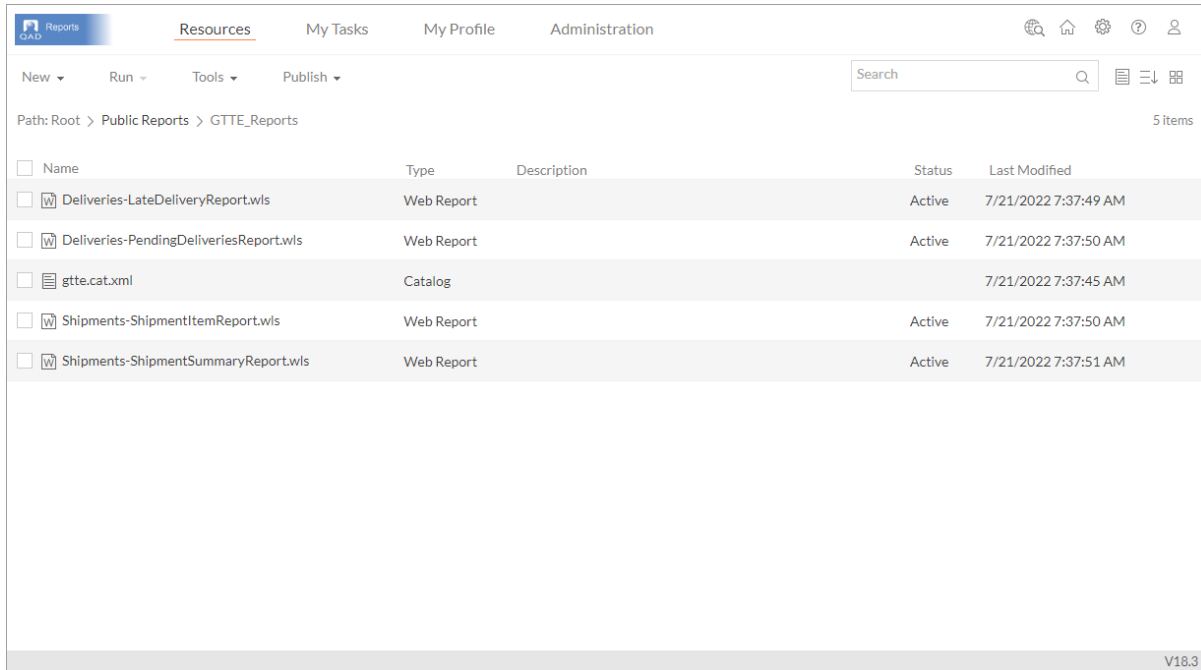
Configure Address Verification Page



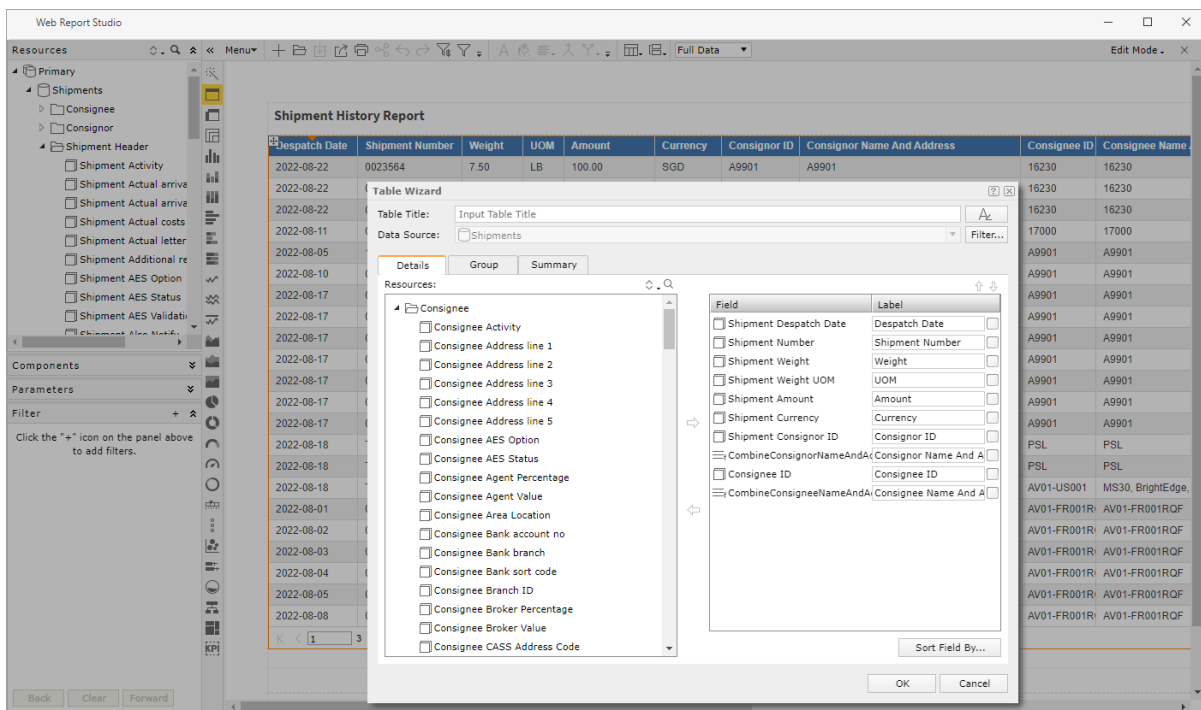
## Web Reports

A new report console with several basic canned shipping and DEM reports is available. From the console, report administrators can edit and add reports using the available catalog. Reports can run in the foreground or be scheduled to run in the background.

**Fig. 4**  
Reports Landing Page



**Fig. 5**  
Web Report Studio



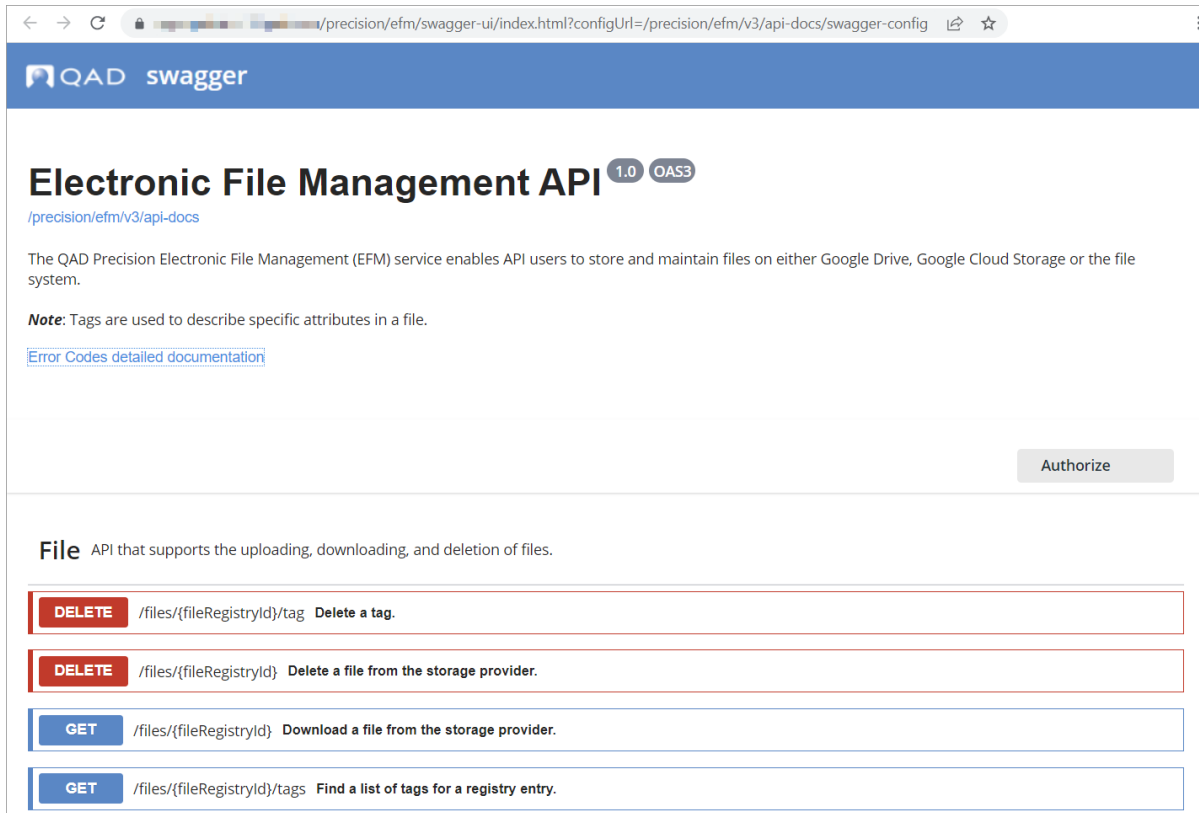
## EFM

### API

The QAD GTTE Electronic File Management (EFM) API service enables users to store and download files from Google Drive, Google Cloud Storage, or the file system. This functionality can be tested on the EFM API Swagger page.

**Fig. 6**

EFM Swagger Page



The screenshot displays the Swagger UI for the QAD Electronic File Management API. The browser address bar shows the URL: `/precision/efm/swagger-ui/index.html?configUrl=/precision/efm/v3/api-docs/swagger-config`. The page header includes the QAD logo and the word 'swagger'. The main heading is 'Electronic File Management API' with version '1.0' and 'OAS3' specifications. Below the heading is the URL `/precision/efm/v3/api-docs` and a description: 'The QAD Precision Electronic File Management (EFM) service enables API users to store and maintain files on either Google Drive, Google Cloud Storage or the file system.' A note states: 'Note: Tags are used to describe specific attributes in a file.' A link for 'Error Codes detailed documentation' is provided. An 'Authorize' button is located on the right side. The 'File' section is described as 'API that supports the uploading, downloading, and deletion of files.' It lists four endpoints:

- DELETE** `/files/{fileRegistryId}/tag` Delete a tag.
- DELETE** `/files/{fileRegistryId}` Delete a file from the storage provider.
- GET** `/files/{fileRegistryId}` Download a file from the storage provider.
- GET** `/files/{fileRegistryId}/tags` Find a list of tags for a registry entry.

# Delivery Exception Management (DEM)

## New Functionality

### Supplier Integrations

- DEM support for the following suppliers has been added:
  - SMC3
  - DPD France
  - GLS France
  - Heppner France
  - Seur
  - MRW Spain

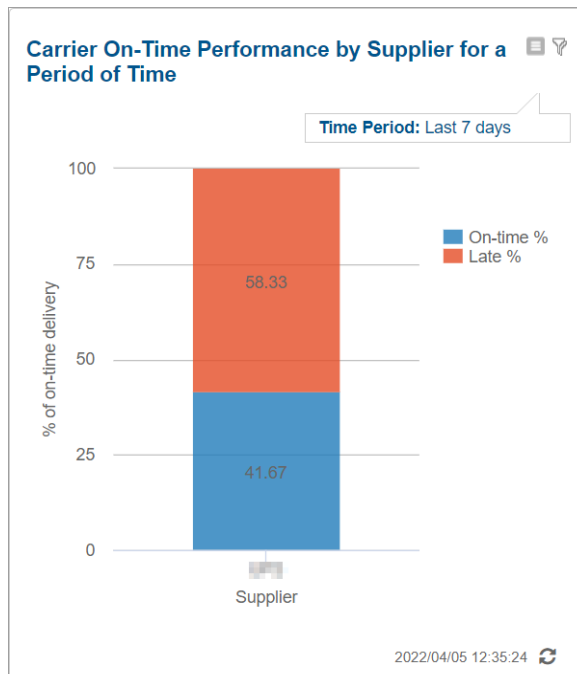
### Operational Analytics

New charts are now available on the DEM Operational Analytics dashboard.

The *Carrier On-Time Performance by Supplier for a Period of Time* chart displays the percentage of deliveries that up to four carriers deliver on time versus late during a specific time period.

**Fig. 7**

Carrier On-Time Performance by Supplier for a Period of Time



Similarly, the new *Carrier On-Time Performance by Supplier Service for a Period of Time* chart displays the percentage of deliveries that a carrier delivers on time versus late for each carrier service.

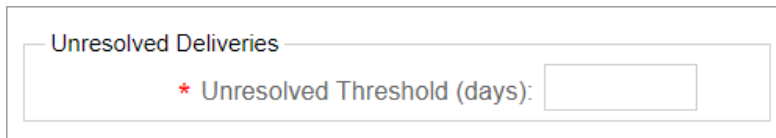
## Exception Management

Two new exception types have been added to help manage data quality.

- Zero Activity
  - This exception occurs when a delivery is set to *No Activity* but has not moved (is not yet in transit). It identifies problems that may be related to the supplier not receiving the goods, or a process issue regarding communication about canceled shipments.
- Unresolved
  - An *Unresolved* exception occurs when a delivery is currently assigned a *Missed Delivery Date* exception but there have been no updates for a long time. The threshold for unresolved deliveries can be configured on the *Admin Settings* page.

**Fig. 8**

Unresolved Threshold Field, Admin Settings



The screenshot shows a form titled "Unresolved Deliveries". Inside the form, there is a field labeled "\* Unresolved Threshold (days):" followed by an empty text input box.

The *No Activity* duration can now be set at a supplier level in the *Create/Update Supplier* window. Previously, this was a global setting only.

## Background Jobs

A new *Delivery Auto Close* background job has been introduced to close deliveries based on settings applied on the *Admin Settings* page.

**Fig. 9**

Automatic Closing of Deliveries, Admin Settings



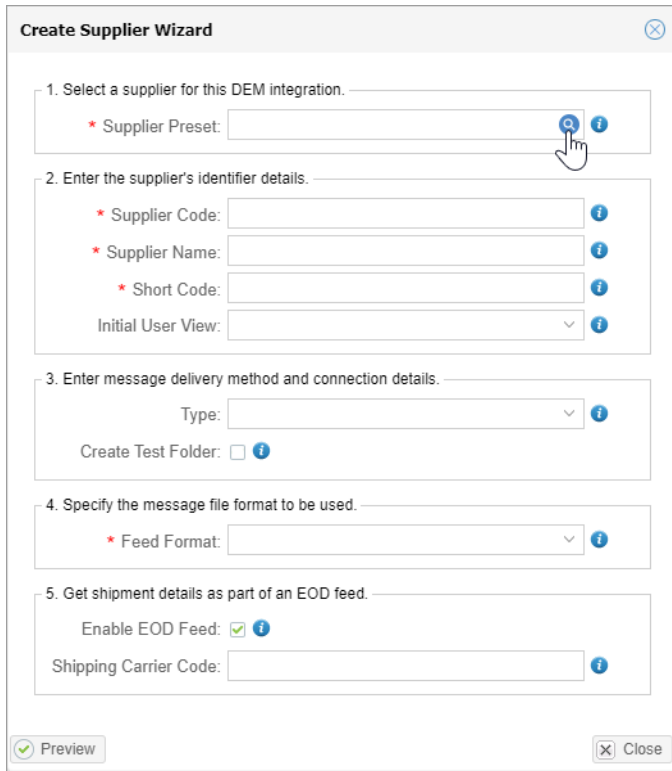
The screenshot shows a form titled "Automatic Closing of Deliveries". It contains several fields: a field labeled "\* Days Since Created:" with an empty text input box; a checkbox labeled "Close Deliveries with Open Incident" which is currently unchecked; a dropdown menu labeled "Deliveries with Exceptions:" with a downward arrow; and a field labeled "Email:" with an empty text input box.

## Supplier Wizard

The Create Supplier Wizard enables users to set up a new supplier in a single window, without the need to manually configure Highway. It provides a list of pre-configured suppliers with metadata that assists in setting up the correct connection and data feed details. The Wizard creates records in DEM, makes folders on the server, and generates XML data that can be loaded into Highway to create the necessary endpoints. Highway then has the ability to transfer messages from a carrier location to DEM.

Fig. 10

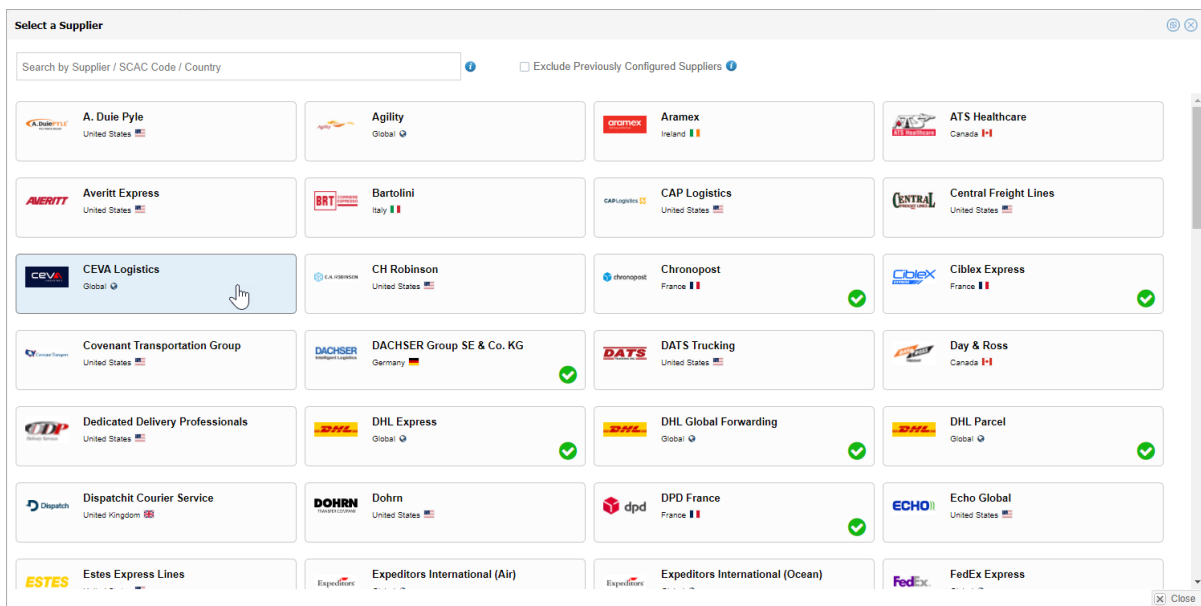
Create Supplier Wizard Window



The *Select a Supplier* window has been enhanced. When the *Supplier Preset* lookup field in the *Create Supplier Wizard* window is clicked, users can search for a supplier by name, SCAC code, or country. Supplier logos have also been added, making it easier to locate suppliers in the lookup.

Fig. 11

Select a Supplier Lookup Window

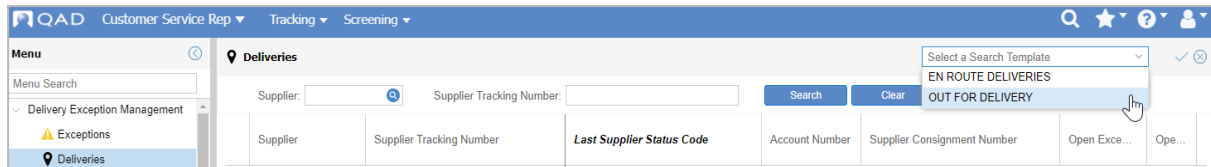


## Search


Enhancements to the search template feature on the top right make it easier to find deliveries. Search templates can now store grid filter criteria, as well as search criteria.

**Fig. 12**

Deliveries Search Panel



## Delivery History

It is now possible to download all of the carrier update files for a delivery using the *Download Archived Files*  **Download Archived Files** button in the *Delivery History* window. This feature is useful for troubleshooting purposes.

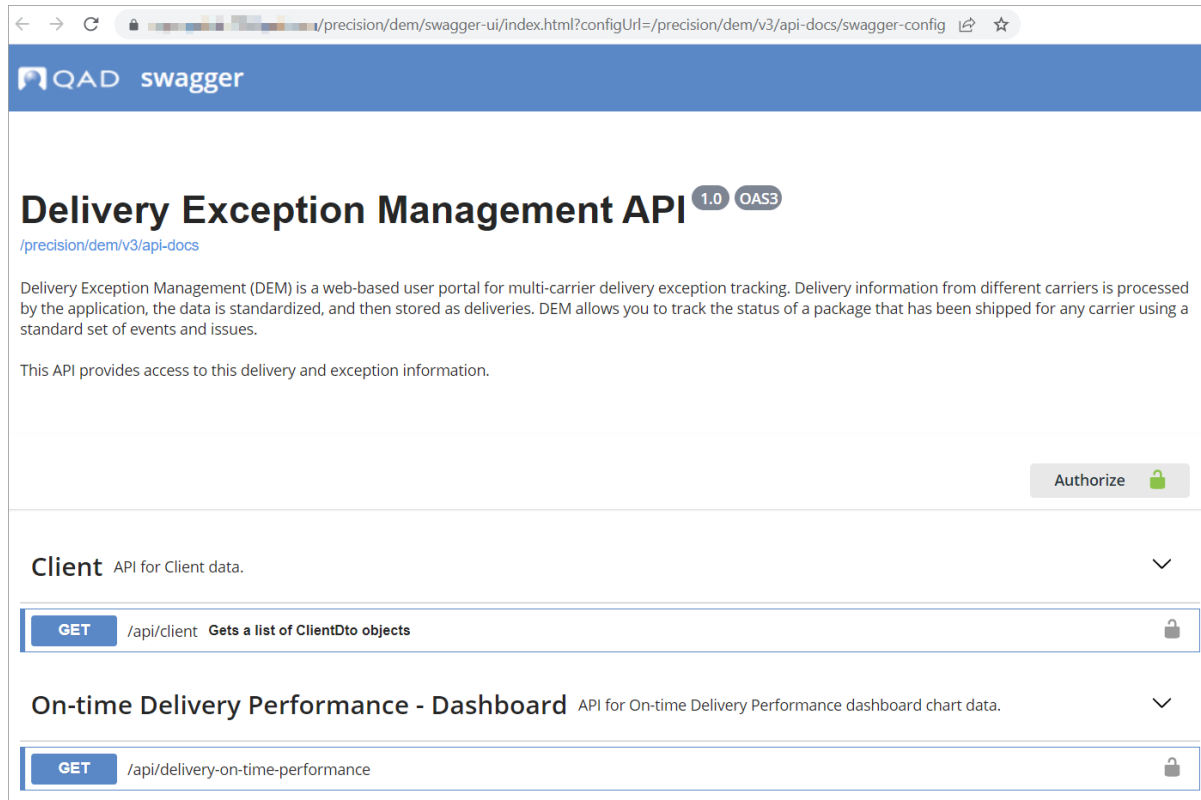
## Logi

The version of Logi Info has been updated from v12 to v14. A new .lic license file is required by DEM analytics.

## API

The new Delivery Exception Management (DEM) API provides access to multi-carrier delivery exception tracking information. Users can test the API using the DEM API Swagger page.

**Fig. 13**  
DEM API



## Import Management

### New Functionality

#### Share With Broker Partners

It is now possible to share a subset of the Product Master with various broker partners in the Imports Admin Maintenance Portal (option ITCC). This process allows partial updates from the last 24 hours and sends the data in JSON format.

This feature can be configured on the the *Broker Job* page under the *System Configuration* menu. If the *Full Update* checkbox in the *Create/Update Broker Job* window is left blank, it will perform a partial update.

Fig. 14

Create/Update Broker Job Window, Broker Job Page

\* Broker Code: ITCBROKER\_US\_NY  
\* Broker Job Code: PROD\_CSV\_FLAT  
\* Description: Export content to CSV File

Active Broker:

Full Update:

\* File Format: DEFAULT\_CSV

Max Rows: 2000

Highway End Point ID: SYNC\_IN  
Highway Message ID: ITC\_BR\_MSG\_ID\_US

\* Output Folder: d:\broker\_job\output

\* Cron Job Expression: 0 0 \*/3 ? \* \*  
Last Run Date & Time: 05/26/2022 12:30:33  
Next Run Date & Time:   
Processing Job Flag:

Save Close

### Unmatched Broker Documents

You can now manage unmatched broker documents on the newly added *Unmatched Broker Documents* page (option IMPUB). This feature lists all documents that were uploaded using the EFM service for which no matching shipments could be found. From this page, you can delete and download files. You can also retry the matching process.

Fig. 15

Unmatched Broker Documents Page

File Name	Created Date ↓	Broker Feed ID	Broker Ref
TST21052017258_20210520_20210520.pdf	20/05/2021 17:25:33	FTN	TST210
TST21052017257_20210520_20210520.pdf	20/05/2021 17:25:12	FTN	TST210
TST21052017246_20210520_20210520.pdf	20/05/2021 17:24:53	FTN	TST210
TST21052017244_20210520_20210520.pdf	20/05/2021 17:24:17	FTN	TST210
TST21052017233_20210520_20210520.pdf	20/05/2021 17:23:59	FTN	TST210
TST21052017232_20210520_20210520.pdf	20/05/2021 17:23:41	FTN	TST210
TST21052017231_20210520_20210520.pdf	20/05/2021 17:23:20	FTN	TST210
TST21052017220_20210520_20210520.pdf	20/05/2021 17:23:02	FTN	TST210
AZTST21052017229_20210520.pdf	20/05/2021 17:22:41	OIA	TST210
AZTST21052017228_20210520.pdf	20/05/2021 17:22:26	OIA	TST210
AZTST21052017217_20210520.pdf	20/05/2021 17:22:05	OIA	TST210
AZTST21052017216_20210520.pdf	20/05/2021 17:21:47	OIA	TST210
AZTST21052017215_20210520.pdf	20/05/2021 17:21:28	OIA	TST210
AZTST21052017214_20210520.pdf	20/05/2021 17:21:10	OIA	TST210
AZTST21052017203_20210520.pdf	20/05/2021 17:20:49	OIA	TST210

Per Page: 25 Download Document Retry

## API

API endpoints are now available for creating, updating, and editing import shipment data and products.

## Docs

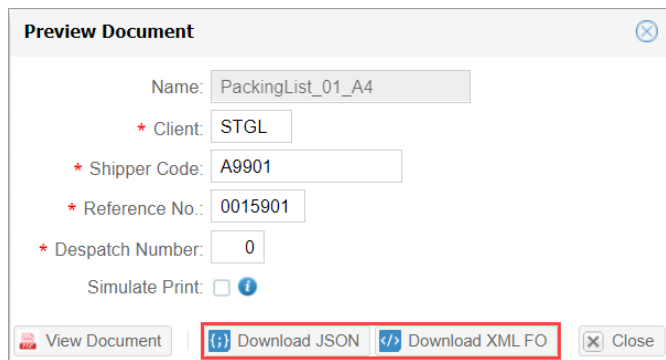
### New Functionality

#### Document Preview

In the *Preview Document* window, users can now view the shipment JSON file and the document XML FO. Previously, it was only possible to preview the document in PDF format. This feature is particularly useful for troubleshooting purposes; for example, if the Support team wants to confirm that the data in these files corresponds with the information shown on the document.

Fig. 16

Download JSON and Download XML FO Buttons, Preview Document Window



#### Black Box/API

It is now possible to produce Docs documents using an SPS XML file. To enable this functionality, the DOCS\_SOA system values must be configured, and the document's program name should be set to XTDOCSVRT.P in the *Documents* (DO) option.

#### Usability

A summary data tag issue has been fixed. Previously, when setting a summary mapping rule—for example, the ITEM-ORDER-NUMBER data tag—the *If values are different - Use* field was blank by default. If left unchanged and the order numbers were different, the system output a blank space on the document. The default value for this field and the document output is now **\*\* VARIOUS \*\***.

**Fig. 17**

If values are different - Use Field, Document Mapping Window

**Add Summary**

\* Data Tag: ITEM-ORDER-NUMBER

Operation: Synopsis

Styling **Rules**

If values are different

Use: **\*\* VARIOUS \*\***

If values are the same

Use Value

Replace With

If values are blank

Use: or

Create Another:  Save Cancel

### New Workflow Task

A new Workflow task, *Shipment Documents*, has been created. This task enables users to:

- View a list of shipment documents associated with a shipment
- Add and remove documents
- Print one or multiple shipment documents at once
- Print both Win UI documents and Docs documents
- Preview one or multiple shipment documents together in a single PDF
- Update the printer and the number of copies
- Update shipment notes
- Email documents

**Fig. 18**

Shipment Documents Window

**Shipment Documents**

Jump to...

STGL 16230-A 0020720

**Documents**

Print Preview Email Enter Email Address... Text Ids

Description	Reference	Type	Printer	No. of C
<input checked="" type="checkbox"/> Invoice (LONG)	INV2E	00	QPDF	1
<input type="checkbox"/> Packing List - Lines -> How Packed (LONG)	PACK12	01	QDEFAULT	1

**Document Details: 00 | INV2E**

Print To: Preview/File

Printer: QPDF

No. of Copies: 1

Note 1: Note 2: Note 3: Note 4: Note 5: Note 6: Note 7: Note 8: Note 9:

Save

Message Area

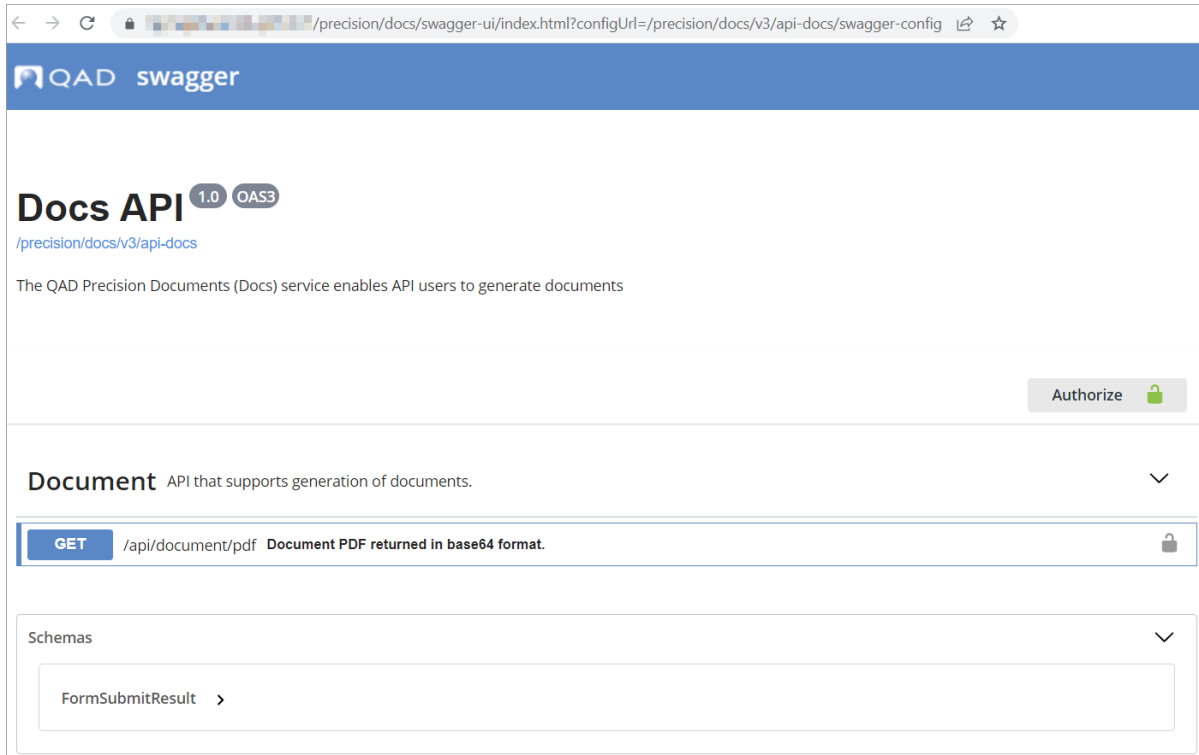
Complete Unsuccessful Close

## API

A new Docs RESTful API has been developed that enables API users to generate documents. OAuth2 is used for authentication. Users can also test the API using the Docs API Swagger page.

Fig. 19

Docs Swagger Page



## Content Distribution

Carrier and Import Trade Compliance content is now published to the cloud. A new subscriber agent is included with GTTE that runs in the background and is notified of content updates. Subscription content is downloaded and installed according to the permitted install windows.

## Web UI v9.0 Patches

The current Web UI version is v9.0. It contains a number of fixes applied since the Web UI v8.0 release:

- PSWEB-12961 Shipping - Desktop Shipping: Duty/Tax Payment Method changes when you click next/previous in DTS
- PSWEB-13013 Shipping - Desktop Shipping: Some steps missing Note functionality
- PSWEB-13044 Shipping: Corrects some AV issues
- PSWEB-13060 Shipping: (BUILDA) consolidation could not be deleted
- PSWEB-13093 Shipping: (BUILDA) When creating consolidation, external ref and outer pack number are reset

- PSWEB-13163 Shipping: Excel rates in Webui: remove unnecessary validation
- PSWEB-13059 Shipping: Fix bug with pack type in the pack maintenance screen, fix bug with pack types containing a dot/period
- PSWEB-13088 Shipping - Workflow: StandardPacking- allow updating Outer Pack Details
- PSWEB-13160 Shipping - Workflow: Enhance validation error message for user defined fields update. Route/References/Container task: automatically select the tab that has validation errors.
- PSWEB-13095 Technical: MakeA Skin Utility fixes
- PSWEB-13005 Foundation - Product Master: Special Characters on Product Code (e.g., " or ')
- PSWEB-13076 Foundation - Rule/Rulebook Maintenance (RULES): Fix issue with suboptions using the XMR1SH0 table
- PSWEB-12999 Foundation - Partner Master: Error opening record
- PSFAP-7699 Foundation - System Values: System Value API is not returning the correct client value
- PSFAP-7685 Foundation: Spring Gateway migration: support both Zuul and Gateway options
- PSITC-4551 Imports: Fix bug that prevented the ITCC portal from loading
- PSITC-4581 Imports: Frontend: Add fields to Import Shipment and PO workflows
- PSITC-4015 Imports: Review compliance checks that run against the Import Shipment transactions
- PSITC-4387 Imports: Classification statuses no longer a hardcoded list. A list of codes can now be defined.
- PSITC-4433 Imports: Add PSL fields to Import Shipment Workflow Grid
- PSITC-4626 Imports: Classification worksheet enhancement: make sure the new commodity codes are available to the export transactions
- PSITC-4654 Imports: Ensure there are browser console errors when loading the Imports Workflow Tasks
- PSITC-4679 Imports: Fix paging for the attachments grids: attachments and email approval workflow tasks
- PSITC-4680 Imports: API performance improvements - products processing
- PSITC-4678 Imports: New Export Shipment feature: export as json
- PSITC-4701 Imports: Correct Jenkins build script
- PSITC-4722 Imports: Fix bug with CTL screen create record functionality
- PSITC-4721 Imports: Manual import shipment disappears from workflow after updates via the Update Header Details task

- PSITC-4570 Imports: Enhance workflow search functionality for PO and Import Shipments: transport mode and supplier. Remove reconciliation status, supplier division and payment status.
- PSITC-4351 Imports: Create Import Shipment bug - data saving failed

## Highway

The Highway version released with QAD GTTE v9.0 is 7.0.0. The Highway database schema has been updated. The field lengths for a number of columns have been increased.

```
ALTER TABLE HW_ENDPOINT ALTER COLUMN ENDPOINTID VARCHAR(100);
ALTER TABLE HW_ENDPOINT ALTER COLUMN DESCRIPTION VARCHAR(200);
ALTER TABLE HW_ENDPOINT ALTER COLUMN RETURNMESSAGEENDPOINT VARCHAR(100);
ALTER TABLE HW_ENDPOINT ALTER COLUMN REFERENCEENDPOINTID VARCHAR(100);
ALTER TABLE HW_ENDPOINT ALTER COLUMN TARGETNAME VARCHAR(200);
ALTER TABLE HW_ENDPOINT ALTER COLUMN DEFAULTMESSAGEID VARCHAR(50);
ALTER TABLE HW_ENDPOINT ALTER COLUMN SERVER VARCHAR(40);
ALTER TABLE HW_KEYSTORE ALTER COLUMN DESCRIPTION VARCHAR(200);
ALTER TABLE HW_MESSAGE ALTER COLUMN DESCRIPTION VARCHAR(200);
ALTER TABLE HW_MESSAGE ALTER COLUMN MESSAGEID VARCHAR(50);
ALTER TABLE HW_MESSAGERULE ALTER COLUMN DESCRIPTION VARCHAR(200);
ALTER TABLE HW_MESSAGERULE ALTER COLUMN WRITEENDPOINT VARCHAR(100);
ALTER TABLE HW_MESSAGERULE ALTER COLUMN MESSAGEID VARCHAR(50);
ALTER TABLE HW_MONITORPATTERN ALTER COLUMN DESCRIPTION VARCHAR(200);
ALTER TABLE HW_PAYLOAD ALTER COLUMN DESCRIPTION VARCHAR(200);
ALTER TABLE HW_PROGRAMPARAMETER ALTER COLUMN DESCRIPTION VARCHAR(200);
ALTER TABLE HW_SERVER ALTER COLUMN DESCRIPTION VARCHAR(200);
ALTER TABLE HW_SERVER ALTER COLUMN SERVERID VARCHAR(40);
```

## Documentation Updates

The following documentation has been updated and published since the Web UI v8.0 release:

- QAD GTTE DEM Generic Carrier CSV Specification
- QAD GTTE DEM v20 User & Administration Guides
- QAD GTTE Transportation Execution API v20 Technical Reference & Schema
- QAD GTTE Global Carrier Network Coverage Guide - April 2022 (Internal use only)
- QAD GTTE DEM Generic Carrier Specification Documents:
  - EDIFACT D01B IFTSTA Specification
  - EDIFACT D01C IFTSTA Specification
  - EDIFACT D04A IFTSTA Specification
  - EDIFACT D96A IFTSTA Specification
- QAD GTTE DEM Fillable 'Shipment Tracking Status Electronic Request' Implementation Form & Email Template
- QAD GTTE Import Management v19 User Guide
- QAD GTTE Docs v19 User Guide

## Technical

### Java Version

The Java version used by Web UI is now 17.

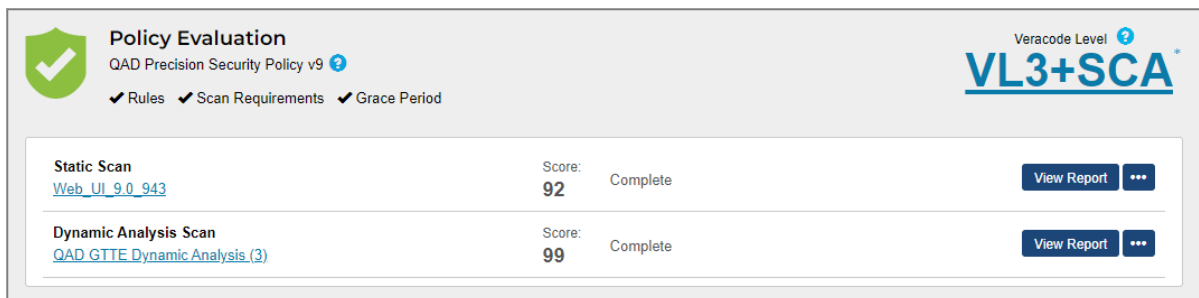
### Web Security

Web UI v9.0 has been scanned using Veracode and possible vulnerabilities identified as not satisfying our security policy have been resolved.

Log4j has been updated to version 2.17.1 which includes a change that closes the Log4Shell attack vector.

**Fig. 20**

Veracode Green Shield



The screenshot displays the Veracode Policy Evaluation interface. At the top left, there is a green shield icon with a white checkmark, indicating a 'Green Shield' status. The title 'Policy Evaluation' is followed by 'QAD Precision Security Policy v9' and a help icon. Below this, three status indicators are shown: 'Rules', 'Scan Requirements', and 'Grace Period', each with a checkmark. On the top right, the 'Veracode Level' is indicated as 'VL3+SCA'. The main content area is divided into two rows of scan results:

Scan Type	Score	Status	Action
Static Scan <a href="#">Web_UI_9.0_943</a>	92	Complete	<a href="#">View Report</a> <a href="#">...</a>
Dynamic Analysis Scan <a href="#">QAD_GTTE_Dynamic_Analysis(3)</a>	99	Complete	<a href="#">View Report</a> <a href="#">...</a>