



QAD Adaptive Applications

# QAD Precision Web UI Release Notes

## September 2021

These release notes include information about the latest QAD Precision Web UI features, enhancements, and fixes.

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

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## Overview

**Current QAD Precision Version:** 19.0

**Current QAD Precision Web UI Version:** 8.0

**Release Date:** September 2021

## Related Documentation

To learn about the latest QAD Precision Transport Execution (formerly TMS)/QAD Freight Management features, enhancements, and fixes, see the QAD Precision S46 Release Notes.

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 8.0

The current Web UI version is 8.0. It contains a number of noteworthy enhancements.

### Base

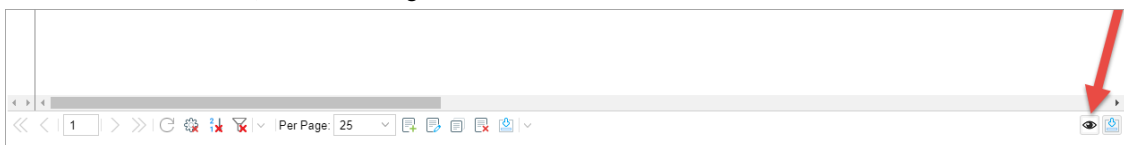
### Docs

#### Document Preview

The ability to generate a print preview of a document using data from a test shipment has been added. Users can select a document record on the *Documents* page and click the preview button in the toolbar to open the *Preview Document* pop-up window. After the shipment identifying details are entered, the preview opens in a new tab. If the mapping details are updated while the preview tab is still open, the user can simply refresh the tab to view the most up-to-date preview.

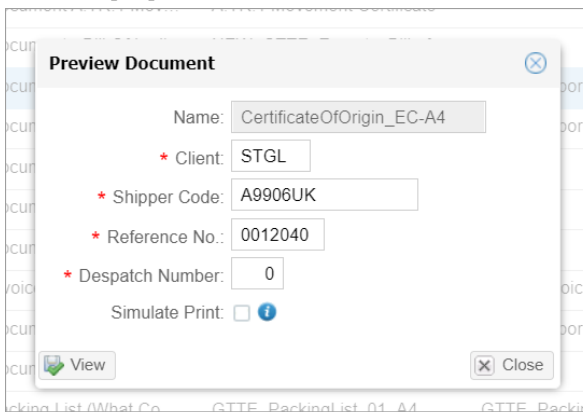
**Fig. 1**

Preview Button in Toolbar, Documents Page



**Fig. 2**


Preview Pop-Up Window



#### Document Mapping

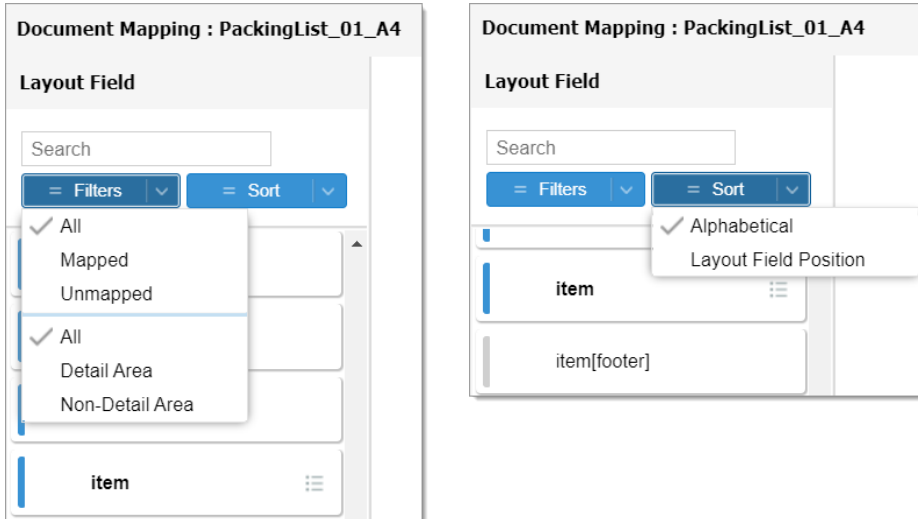
Several enhancements have been made to the mapping functionality and interface in Docs.

Users can now easily find a specific layout field using the *Search*, *Filters*, and *Sort* fields in the *Document Mapping* window; for example, it is possible to show only mapped or unmapped fields, and detail area or non-detail area fields. Bold styling and a blue vertical bar have been added to highlight mapped layout fields, as demonstrated by the *item* layout field in the image

below. Additionally, a list  symbol beside layout field names has been introduced to indicate list layout fields.

**Fig. 3**

Search, Sort, and Filter Options in the Document Mapping Window



A new *Truncate* field in the *Document Mapping* window has been introduced for multiline layout fields; for example, address layout fields. If enabled, the data for the selected layout field is cropped when it reaches the maximum line width. If this field is left blank, the data is not cropped and wraps onto the next line.

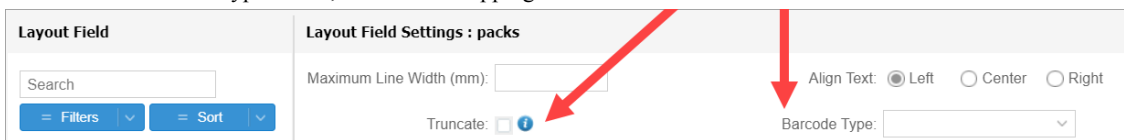
**Note** It is only available if a value has been specified in the *Maximum Line Width* field

A *Barcode Type* field has also been introduced. This allows layout field data to be output as a barcode instead of text. The following barcode types are supported:

- Code 39
- Code 128
- PDF417
- QR Code

**Fig. 4**

Truncate and Barcode Type Fields, Document Mapping Window



Conditional rules have been added to the mapping functionality. The fields in the *Rules* tab of the *Document Mapping* window allow users to specify alternative data tag values if the primary data tag value is blank, or if the primary data tag has a particular value.

**Fig. 5**

Rules Tab, Document Mapping Window

The screenshot shows the 'Add Data Tag' dialog box with the 'Rules' tab selected. At the top, there is a field for 'Data Tag' containing the text 'DESCRIPTION'. Below this, there are three tabs: 'Styling', 'Labels', and 'Rules', with 'Rules' being the active tab. The main area contains three rows of configuration options: 'If value is:' with a dropdown menu set to 'blank', 'Use:' with a dropdown menu and a search icon, and 'Otherwise Use:' with a dropdown menu and a search icon. At the bottom, there is a 'Create Another:' checkbox, a 'Save' button, and a 'Cancel' button.

In the *Labels* tab, it is now possible to add a static text label after the selected data tag. Previously, labels only appeared before the data tag. Similarly, users can now choose to display a label one line above or below a data tag and on the same line.

**Fig. 6**

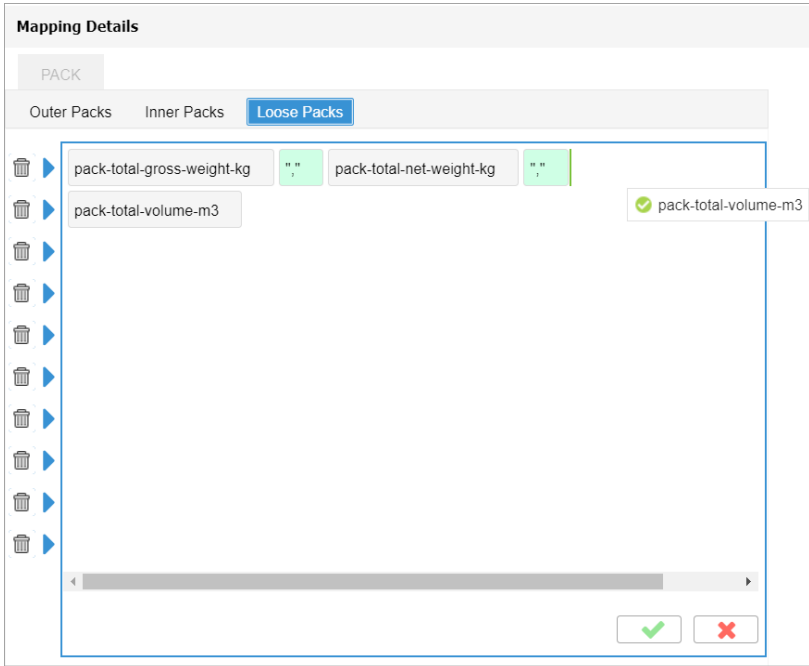
Labels Tab, Document Mapping Window

The screenshot shows the 'Add Data Tag' dialog box with the 'Labels' tab selected. At the top, there is a field for 'Data Tag' containing the text 'DESCRIPTION'. Below this, there are three tabs: 'Styling', 'Labels', and 'Rules', with 'Labels' being the active tab. The main area contains two rows of configuration options: 'Before:' and 'After:', each with a text editor containing the text 'B I U' and a 'Show Above:' or 'Show Below:' checkbox with an information icon. At the bottom, there is a 'Create Another:' checkbox, a 'Save' button, and a 'Cancel' button.

The editor in the *Mapping Details* panel now supports drag and drop functionality, enabling users to reposition data tags if there are multiple ones mapped to a layout field.

**Fig. 7**

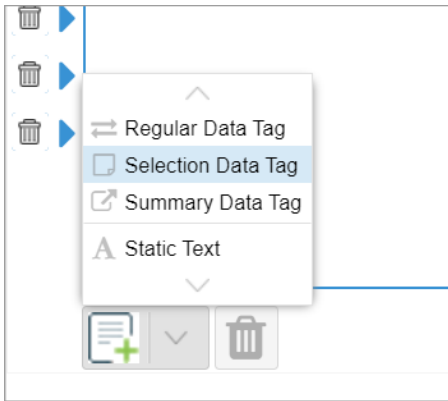
Drag and Drop, Document Mapping Editor



It is now easier to find data tags related to transaction texts, notes, containers, seal numbers, and vessel information using selection data tags. The selection data tag lookup groups these common elements together, eliminating the need to search through the full list of data tags.

**Fig. 8**

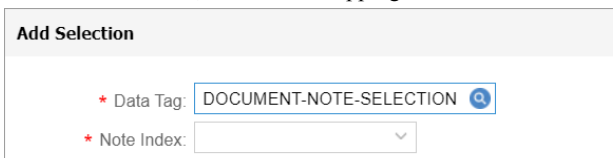
Add Selection Data Tag, Document Mapping Window



Depending on the selected data tag, the *Add Selection* panel displays an additional field for users to specify the exact output data.

**Fig. 9**

Add Selection Panel, Document Mapping Window



Improvements have been made to the image mapping functionality. Users can now adjust the position of an image by defining horizontal and vertical offset values during mapping.

**Fig. 10**

Add Image Panel, Document Mapping Window

The screenshot shows a dialog box titled "Add Image". At the top, there are two radio buttons for "Image Type": "Regular" (selected) and "Evaluated". To the right of these is a blue information icon. Below the radio buttons is a text input field labeled "\* Image:" with a blue search icon to its right. A blue "Styling" button is located below the input field. Under the "Styling" button, there are four input fields: "\* Width (mm):" with value "0", "\* Height (mm):" with value "0", "Horizontal Offset:" with value "0" and a blue information icon, and "Vertical Offset:" with value "0" and a blue information icon. At the bottom of the dialog are two buttons: "Save" and "Cancel".

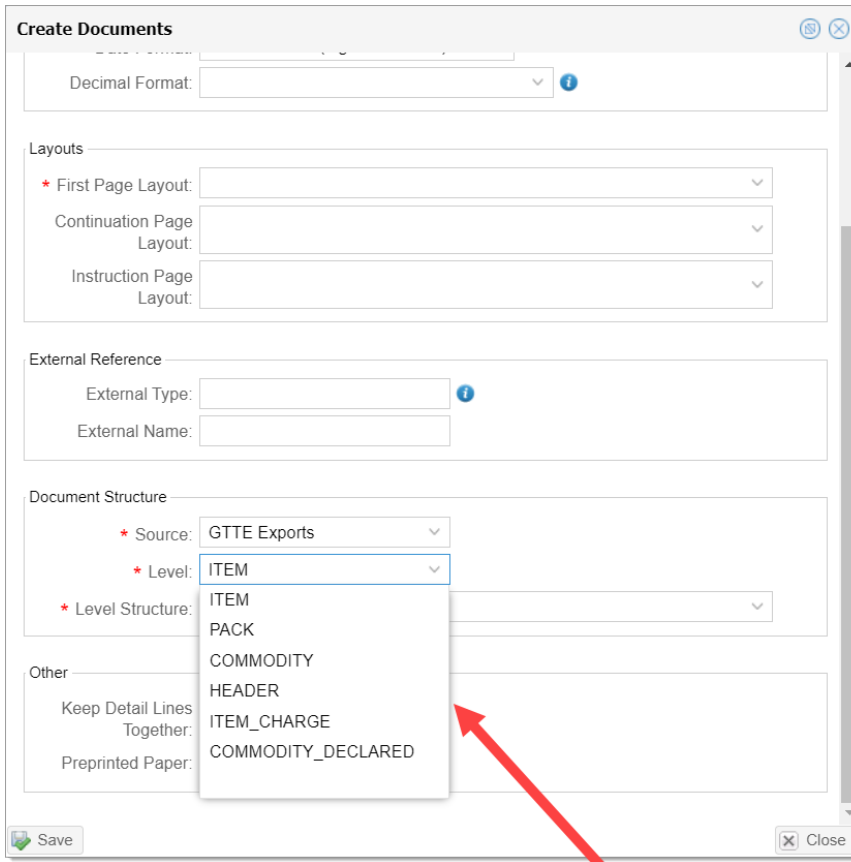
Additionally, it is now possible to choose between two image output options; regular or evaluated. If an image is set to *Regular*, the specified image is output on the document in all scenarios. Alternatively, an *Evaluated* image enables users to output an image based on shipment data; for example, to output the signature of a particular shipping officer.

#### Document Creation

New levels have been added to the system and are now available in the *Create Document* window. They include the ITEM\_CHARGE level, which provides both item and charge information, and the COMMODITY\_DECLARED level.

Fig. 11

Levels Added, Create Document Window



Docs now supports the output of data on preprinted paper. If the *Preprinted Paper* field in the *Create Document* window is enabled, static design elements such as lines, shading, images, and text are excluded from the output. Only the shipment data is printed.

The new *External Reference* fields in the same window can be used when an external system requests Docs for document generation.

## Electronic File Management (EFM)

The new QAD Precision Electronic File Management (EFM) service manages the storing and retrieval of files on either Google Drive, Google Cloud Storage, or the file system.

Fig. 12

EFM

Registry ID	Storage Provider	Cloud Storage ID
00e3da69-ca2d-4ecc-9225-24b1167e3274	<a href="#">GOOGLE</a>	1Gv8HEhwGd7CRhMQRCT-cS589-IG
03d2b05a-7c9f-4247-ad6e-6fcf9a488449	<a href="#">FILESYSTEM</a>	
09c36060-8add-4564-a169-d0f3f8795135	<a href="#">FILESYSTEM</a>	
0a61a7a7-d646-42cd-92d3-bb4d78fbd6e4	<a href="#">GOOGLE</a>	1peSNpFq6nEyE3wKpMCAT3CVR08
0c79f504-e224-41f5-a724-d958b3330141	<a href="#">FILESYSTEM</a>	
11ec39d9-992b-456b-b9c7-cf7fad086478	<a href="#">FILESYSTEM</a>	
12dbb089-2a69-4e5b-ae16-f1b31d6203bf	<a href="#">FILESYSTEM</a>	
150521c4-7823-4f37-a829-a63a9b3806bc	<a href="#">FILESYSTEM</a>	
1be1b9f4-3afc-41a8-b9f1-867ee69367eb	<a href="#">FILESYSTEM</a>	

## Exports

### CDS Exports

CDS Exports is a new innovator module that integrates directly with the new UK Customs Declaration Services (CDS), which will replace UK Customs legacy services, CHIEF and NES. The module allows you to submit and manage both Arrived and PreLodged Standard, Simplified, and Supplementary Export Declaration types. Transmission messages are sent to and received from CDS directly, and can be viewed in a user-friendly UI where supporting documentation can be securely uploaded.

Fig. 13

CDS Check & Submit Declarations Window

Description	Direction	Declaration Type	Date & Time	Sequence	Message Type	User
Cancellation Declaration Arrived	Received	Arrived Full Declaration	16/08/2021 18:46:05	9	DMSINV	SYSTEM
Cancellation Acceptance	Received	Arrived Full Declaration	16/08/2021 18:46:04	8	DMSREQ_GRANT	SYSTEM
Declaration Received	Received	Arrived Full Declaration	16/08/2021 18:46:02	7	DMSRCV	SYSTEM
Submission Acknowledged	Received	Arrived Full Declaration	16/08/2021 18:45:48	6	DMSSUB_OK	SYSTEM
Declaration Submitted	Sent	Arrived Full Declaration	16/08/2021 18:45:47	5	DMSSUB	FHA
Declaration Cleared	Received	Arrived Full Declaration	16/08/2021 18:42:09	4	DMSCLE	SYSTEM
Declaration Acceptance	Received	Arrived Full Declaration	16/08/2021 18:42:07	3	DMSACC	SYSTEM
Submission Acknowledged	Received	Arrived Full Declaration	16/08/2021 18:41:58	2	DMSSUB_OK	SYSTEM
Declaration Submitted	Sent	Arrived Full Declaration	16/08/2021 18:41:54	1	DMSSUB	FHA

The CDS module uses tasks in the Workflow Portal and facilitates the sourcing of data from the shipment.

**Fig. 14**  
CDS Tasks in Workflow

Tasks					
<span>All</span> <span>Docs</span> <span>SPS</span> <span>Partners</span> <span>Detail</span> <span><b>UK Customs</b></span> <span>Other</span> <span>Requisite</span>					
Status	Note	Description	Completed By	Completed	
<input type="checkbox"/>		Packing - Standard Packing			
<input type="checkbox"/>		Items - Items			
<input type="checkbox"/>		EU and UK Customs - Header Info			
	<input type="checkbox"/>	EU and UK Customs - Box 44			
	<input type="checkbox"/>	EU Customs - Check & Submit			
<input type="checkbox"/>		EU and UK Customs - C88 Commodities			
<input type="checkbox"/>		UK Customs - Declaration Registered/Accepted			
<input type="checkbox"/>		UK Customs - Check & Submit			
<input type="checkbox"/>		UK Customs - Run Commodity Calculation			

## Imports

### Import Trade Compliance

The Import Trade Compliance solution has moved from the early adopter stage to general availability.

The Imports Product Master (option PRM) provides support for multiple importing countries per product, as well as a single classification for customs blocks, with individual country override.

**Fig. 15**  
Product Master Page

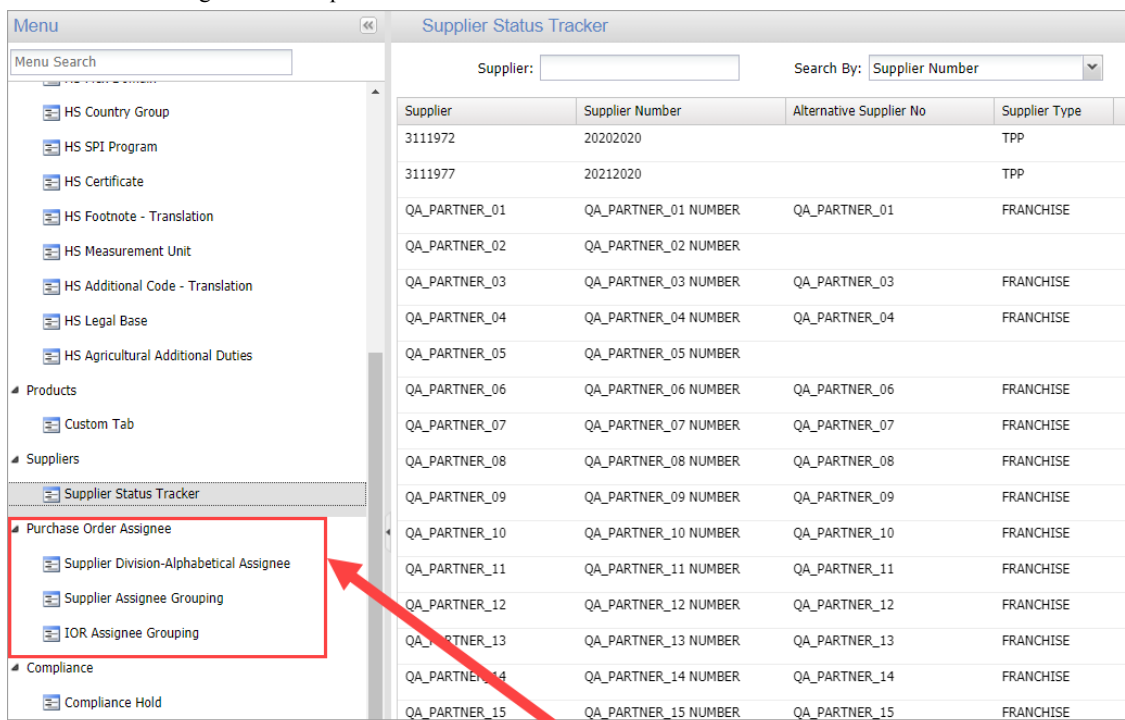
Product Master <span style="float: right;">☆</span>						
Product Code: <input type="text"/>		Search By: <input type="text"/>		Search <input type="button" value="Search"/>		Clear <input type="button" value="Clear"/>
Product Code	Commercial Description	Commercial Extended Description	Commodity Code	Classification Status	Supplier Part Number	Display Import Country
A199-A	Injection Mold					
A2000001	Buttery Cheese	Our buttery cheese is the finest of t...				
A2000002	Chicken Powder					
A2000003	Chocolate Crosana					
A2000004	Moqueca	One of the finest ingredients from th...				
A2000005	Mega-Milk Super Size(nft)					
A201004	VIS LAITON M6x1x18mm	HexH M/C P01				
A3000001	Gauze(nft)					
A3000002	Sherians' Cream Liqueur(nft)	16.5% Alcohol based				
A3000003	Sherians' Low Fat Cream Liqueur	16.5% Alcohol based				
A3000004	Fireclay Bricks					
A3000005	Dense Castable for Rotary kilns					
A3000006	Toy: Pink Elephant Stuffed					
A4000001	Racing Bicycle					
A4000002	Bicycle Frame					
A4000003	Bicycle Saddle					
A4000004	Wheel (700 x 25C)					
A4000005	Wheel Rims					
A4000006	Wheel Spoke Set					
A5000001	Notebooks					

Regarding import-focused content, such as US OGA data and EU Trade Measures, admissibility flags highlight additional requirements for importing products.

API endpoints are available to create, update, and edit purchase order data. An API log also enables users to view all requests, in addition to an API failures email report.

Using the assignee rules, users can assign a purchase order to another user for review. A Purchase Order workflow allows the user to view or amend purchase order details, classify products, run compliance, and view reconciliation and payment data.

**Fig. 16**  
Purchase Order Assignee Menu Options



An import shipment can be built using lines from multiple purchase orders. Through the Import Shipment workflow, the user can review or amend shipment data, run compliance, generate a shipment data file, and send approval emails to suppliers and brokers.

A user can upload shipment-related files, which can then be attached to purchase orders, shipments, and the product master.

Additionally, the Imports solution can receive and match shipment files from brokers via email and SFTP. These files are matched to shipments based on the BOL/Entry number.

## Delivery Exception Management (DEM)

This version of DEM mainly contains new features delivered in feature updates 1, 2, and 3.

### New Functionality

#### Supplier Integrations

- DEM support for the following supplier has been added:
  - Expeditors Ocean (EDI 315)
- DEM support for the following suppliers has been enhanced:
  - FedEx
  - Trans-o-flex
  - USPS
- Code Conversions are enhanced for FedEx and USPS.
- Trans-o-flex Germany and Trans-o-flex Austria can now receive messages for both carriers. Trans-o-flex provides both message types on the same FTP endpoint.
- Expeditors Air was renamed EXD\_AIR. Expeditors Air and Expeditors Ocean do not process each other's messages.

#### Missing Mappings

A new *Missing Mappings* sub-option has been added that is accessible from the *Deliveries* page. By clicking the hyperlink in the *Missing Mappings* column, users can view conversion issues that have been recorded against a delivery. Conversion issues are raised if the evaluation cannot convert any external codes—such as countries and status codes—to the internal code. The issue is resolved by adding the missing conversion and re-running the evaluation.

**Fig. 17**  
Missing Mappings Column, Deliveries Page

	Enabled	Supplier	Supplier Tracking Num...	Evaluation Pending	Draft Mapping	Missing Mappings	Open Incident Status
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK238114</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	5	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK238110</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	5	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK237908</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK238073</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK238227</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK238240</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK238158</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">VQ238016</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK238127</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK237985</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK238160</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK237988</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK238124</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK237997</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK238082</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK238159</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK237986</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK238167</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK238079</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	
	<input checked="" type="checkbox"/>	SPRINT Public...	<a href="#">CK238125</a>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	

**Fig. 18**  
Missing Mappings Window

Error Level	Error Message	Conversion Header Id	Conversion Type	External Code
ERROR	No conversion mapping exists for code SOMX. Please review.	GENERIC_EDJ_D96A	INTERNAL STATUS	SOMX
ERROR	No conversion mapping exists for code SFOT. Please review.	GENERIC_EDJ_D96A	INTERNAL STATUS	SFOT
ERROR	No conversion mapping exists for code SLEV. Please review.	GENERIC_EDJ_D96A	INTERNAL STATUS	SLEV
ERROR	No conversion mapping exists for code SFM3. Please review.	GENERIC_EDJ_D96A	INTERNAL STATUS	SFM3
ERROR	No conversion mapping exists for code SADR. Please review.	GENERIC_EDJ_D96A	INTERNAL STATUS	SADR

## Additional References

It is now possible to add up to three references to the delivery header in the *Admin Settings* area. The EOD batch number can be added as one of these references.

**Fig. 19**

Additional Reference Fields, Admin Settings Page

The screenshot displays the 'Admin Settings' page with the following sections and fields:

- Job Queue Criteria:** Default Max. Deliveries Per Job Queue: 300
- Job Queue:** Unassign Limit (Hours): 2; Cleanup Timeout (Hours): 16
- Purge:** Purge: Job Age (days): 10
- Trigger Event:** Trigger on Delivered:  On  Off
- Extract:** Enable Extract:  On  Off
- POD Destination:** C:\PRECISION\WEBUI\DEM\PROOFOFDELIVERY
- Additional References:**
  - Reference 1: Reference Type: EODBATCH
  - Reference 2: Reference Type: ORDERNO
  - Reference 3: Reference Type: CUSTOMERREF

A red arrow points to the 'Additional References' section.

Reference columns are now included in the grid on the *Deliveries* page.

**Fig. 20**

Reference Columns, Deliveries Page

The screenshot shows the 'Deliveries' page interface. At the top, there are search filters for 'Supplier' and 'Supplier Tracking Number', with 'Search' and 'Clear' buttons. Below the filters is a table with the following columns: Rating Zone, Reference 1, Reference 2, Reference 3, Source System, Packing Location, and Client. The table contains 17 rows of data. The first 16 rows have 'PARSE' in the Rating Zone column, 'TMS' in the Source System column, and 'TGL' in the Client column. The 17th row has 'Z5' in the Rating Zone column, 'TMS' in the Source System column, and 'TGL' in the Client column. Three red arrows point to the Reference 1, Reference 2, and Reference 3 columns. The bottom of the page shows a pagination bar with 'Per Page: 25' and a 'Close Deliveries' button.

	Rating Zone	Reference 1	Reference 2	Reference 3	Source System	Packing Location	Client
⊞	PARSE				TMS		TGL
⊞	PARSE				TMS		TGL
⊞	PARSE				TMS		TGL
⊞	PARSE				TMS		TGL
⊞	PARSE				TMS		TGL
⊞	PARSE				TMS		TGL
⊞	PARSE				TMS		TGL
⊞	PARSE				TMS		TGL
⊞	PARSE				TMS		TGL
⊞	PARSE				TMS		TGL
⊞	PARSE				TMS		TGL
⊞	PARSE				TMS		TGL
⊞	PARSE				TMS		TGL
⊞	PARSE				TMS		TGL
⊞	PARSE				TMS		TGL
⊞	PARSE				TMS		TGL
⊞	Z5				TMS		TGL

### No Activity Exception Configuration

Users now have improved scheduling capabilities regarding system checks for no activity. This is configurable at a global level in the Admin Settings area.

**Note** Configuration requires time entered to be that of the server timezone.

Fig. 21

No Activity Configuration, Admin Settings

The screenshot displays the 'Admin Settings' page. On the left is a 'Menu' sidebar with categories: Delivery Exception Management, Activity, Integration Configuration, System Configuration, Utilities, and Archive. 'Admin Settings' is selected under System Configuration. The main content area is titled 'Admin Settings' and includes three reference type fields: Reference Type (EODBATCH), Reference 2 Reference Type (ORDERNO), and Reference 3 Reference Type (CUSTOMERREF). Below these is the 'No Activity Configuration' section, which contains a field for '\* No Activity Time (Hours):' set to 4, and a 'No Activity Schedule' table. The table has columns for Day, All Day, From, and To. Days Monday through Sunday are listed with checkboxes. Saturday is the only day with a time range of 03:00 PM to 05:00 PM. At the bottom is the 'Archive Settings' section with a field for '\* Last Updated older than (days):' set to 80 and a checked checkbox for 'Only include Closed records'. 'Save' and 'Undo' buttons are at the bottom.

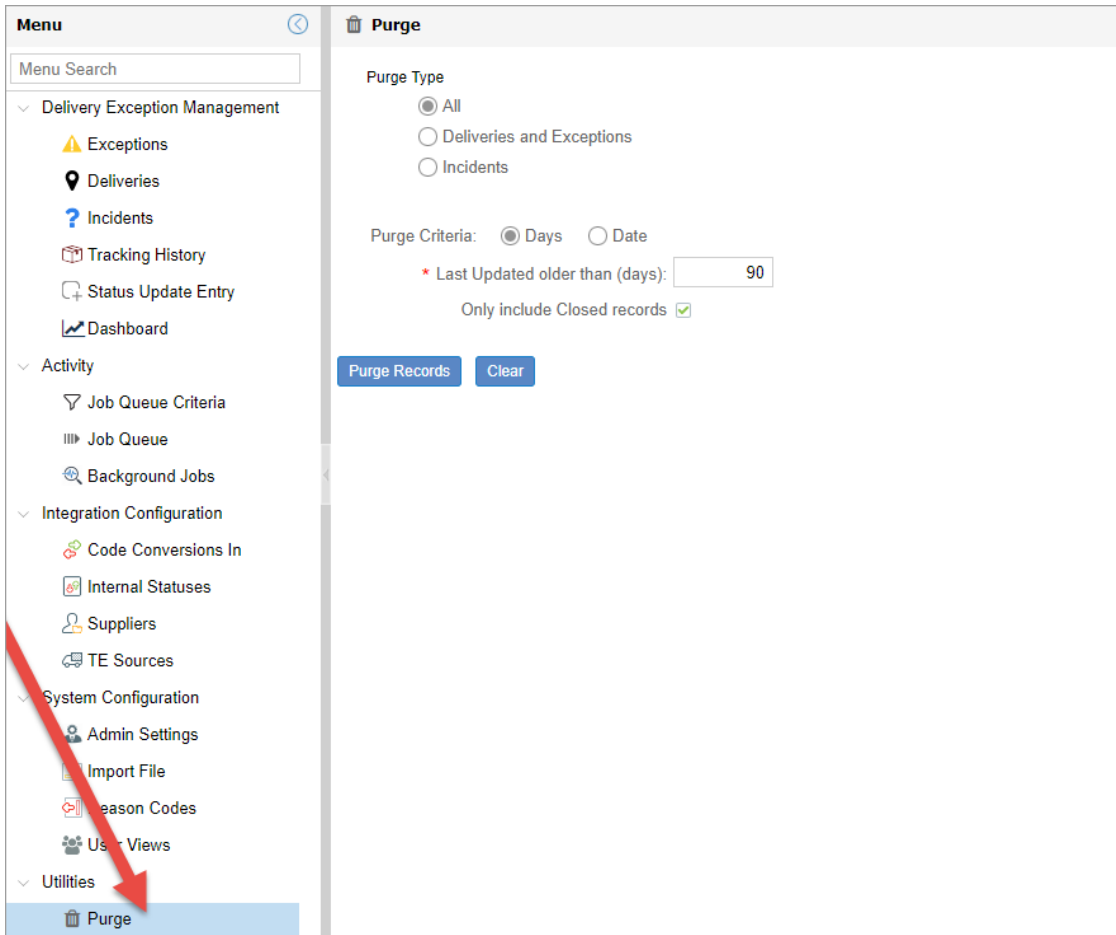
Day	All Day	From	To
<input checked="" type="checkbox"/> Monday	<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/> Tuesday	<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/> Wednesday	<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/> Thursday	<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/> Friday	<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/> Saturday	<input type="checkbox"/>	03:00 PM	05:00 PM
<input checked="" type="checkbox"/> Sunday	<input checked="" type="checkbox"/>		

## Purge Utility

A new purge feature has been introduced. Using Spring Batch, this utility allows users to remove all deliveries—including their associated exceptions and incidents—that have not been updated within a specified date range. The default setting is 90 days and can be configured on the *Purge* page.

**Fig. 22**

Purge Page



## Supplier Logos

Users now have the ability to specify a logo when setting up a new supplier in the UI. A new *Logo* column has been added to the *Suppliers* grid to display the logo for each record.

**Fig. 23**

New Logo Field, Create Supplier Window

**Fig. 24**

Logo Column, Suppliers Page

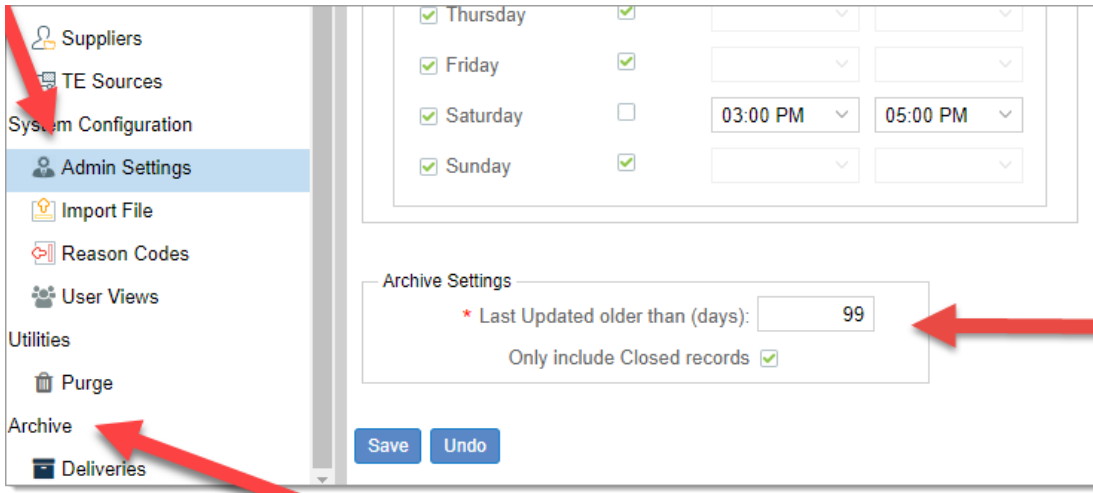
Suppliers				
Supplier Code: <input type="text"/>		Search By: <input type="text" value="Supplier Name"/>		
S	Supplier Code	Logo	Supplier Name	Tracking URL
	USPS		United States Postal Service	https://tools.usps.com/go/TrackConfir
	DACHSER		DACHSER Group SE & Co. KG	https://elogistics.dachser.com/shcc
	DHL		DHL Express	http://www.dhl.com/en/express/trac
	EXDO		Expeditors International	
	FEDEX		FedEx Express	https://www.fedex.com/apps/fedex
	PUROLATOR		Purolator	http://purolator.ts2000.net/Login/Q
	TNT		TNT International	http://www.tnt.com/webtracker/trac
	UPS		UPS	http://wwwapps.ups.com/etracking

## Data Archiving

A new archiving feature has been introduced. This is a scheduled process that runs in the background and can be configured in the *Admin Settings* area. A new read-only *Deliveries* page is also available under the *Archive* menu item, where users can view a list of archived delivery records.

**Fig. 25**

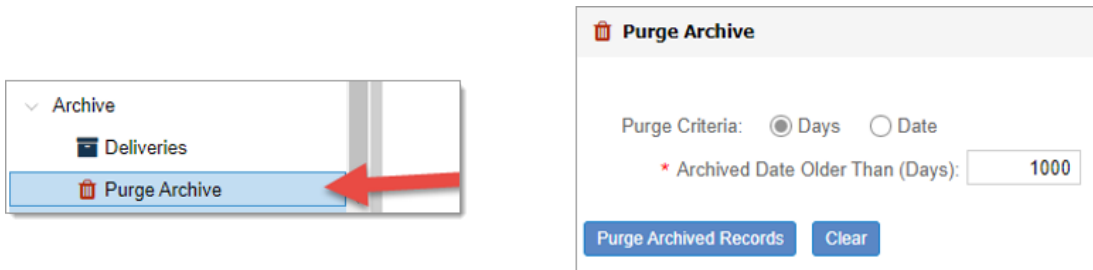
Archive Settings, Admin Settings Page



It is also possible to purge this archived data by specifying criteria on the *Purge Archive* page.

**Fig. 26**

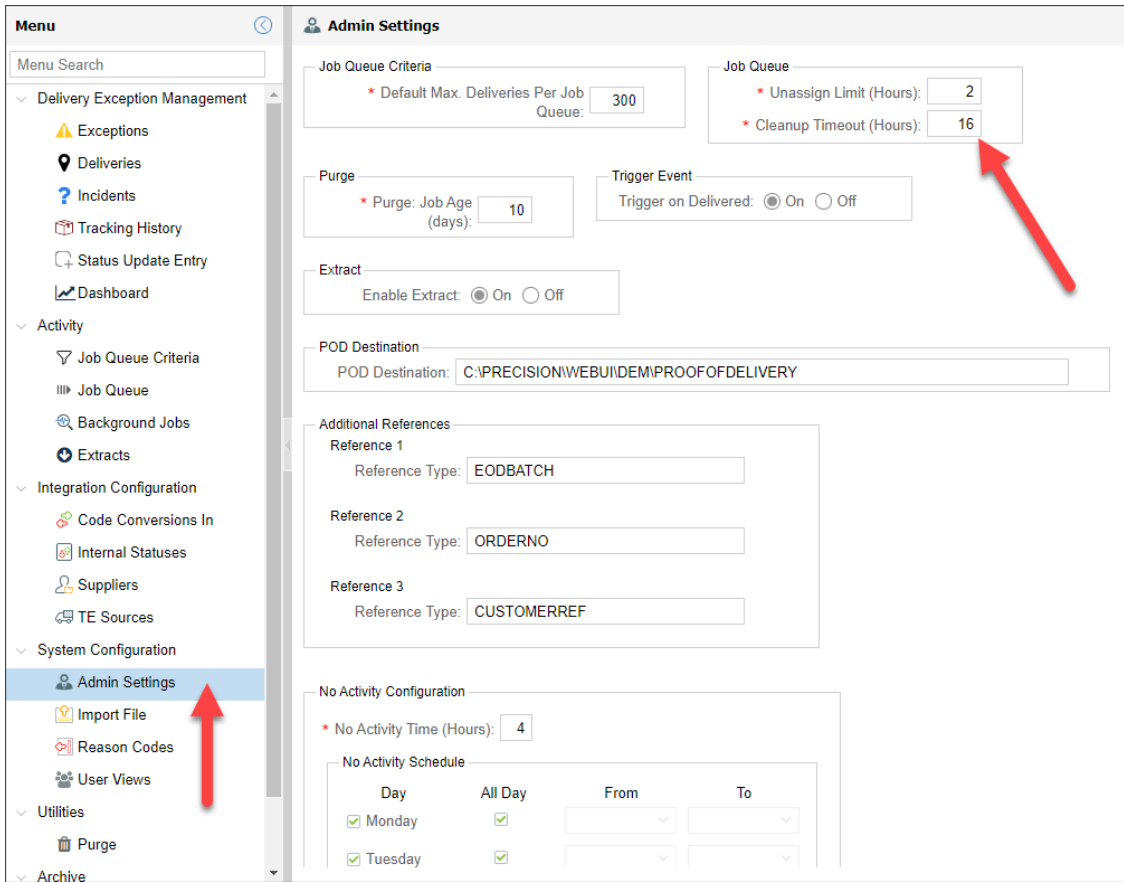
Purge Archive Menu Option, Purge Archive Page



## Job Queue

You can now set the number of hours of inactivity before a user can unassign a delivery from the job queue by filling in the Unassign Limit (Hours) field. Fill the Cleanup Timeout (Hours) field to specify the number of hours before jobs in the queue that have failed are released and can be run again.

**Fig. 27**  
Job Queue Option, Admin Settings Page



## Extract API

A new RESTful API has been developed that requests all changes to tracking updates, comments, exceptions, and incidents. Extract size limits can be controlled using new properties in the `dem.yml` file. The generation of an extract creates a record in the UI, which can now be viewed on the *Extracts* page.

**Fig. 28**  
Extracts Page

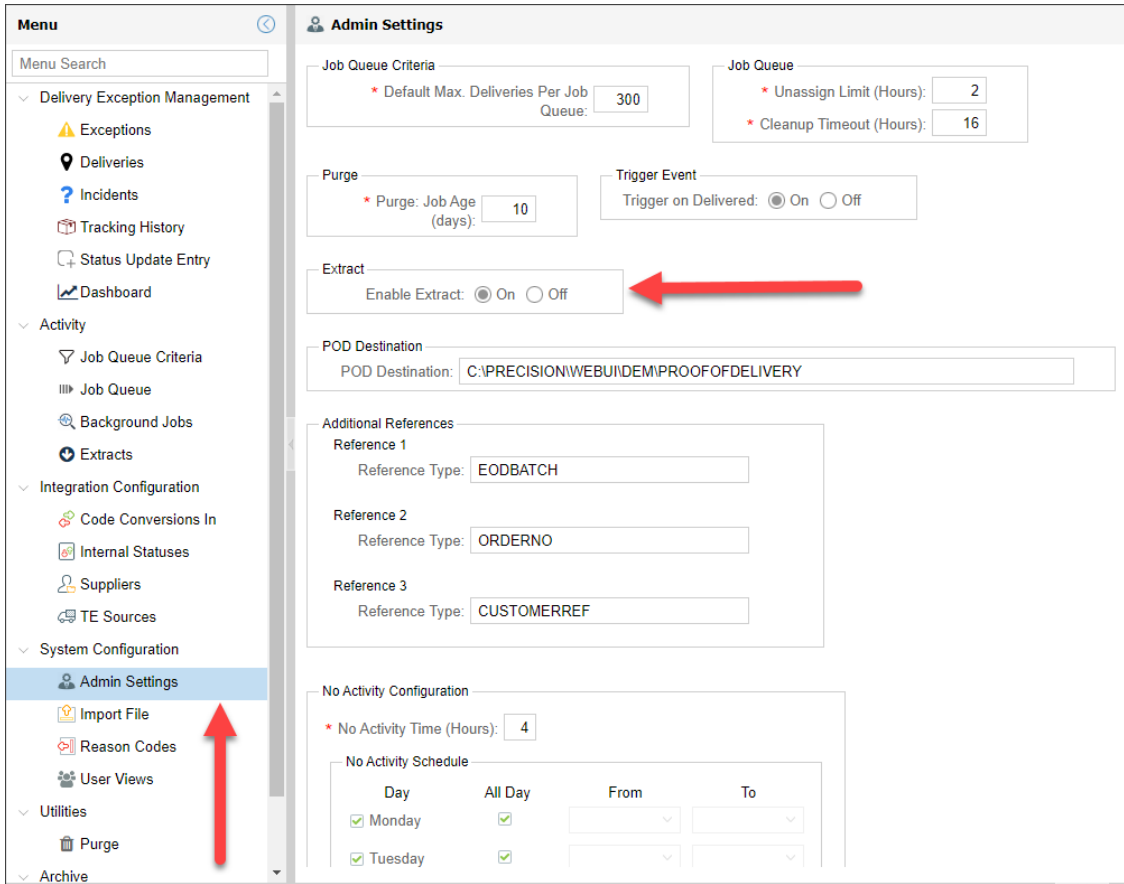
The screenshot shows the 'Extracts' page with a sidebar menu on the left. The 'Extracts' menu item is highlighted with a red arrow. The main content area displays a table of extracted data with search and filter options.

Id	Total Extracted	Last Requested	Background Job	Created Date
114	1000		<a href="#">497791</a>	28/01/2021 10:59:10
113	10	28/01/2021 06:59:49	<a href="#">497252</a>	28/01/2021 06:57:47
112	1000		<a href="#">497250</a>	28/01/2021 06:56:29
111	1000		<a href="#">492040</a>	25/01/2021 14:31:49
110	10	24/01/2021 07:06:03	<a href="#">489767</a>	24/01/2021 07:04:01
109	1000		<a href="#">489765</a>	24/01/2021 07:02:45
108	10	23/01/2021 07:07:23	<a href="#">487794</a>	23/01/2021 07:05:22
107	1000		<a href="#">487792</a>	23/01/2021 07:04:06
106	5528		<a href="#">486436</a>	22/01/2021 15:31:37
105	1000	28/01/2021 10:02:59	<a href="#">486420</a>	22/01/2021 15:28:24
104	1000		<a href="#">486365</a>	22/01/2021 14:47:29
103	1000		<a href="#">486364</a>	22/01/2021 14:47:11
102	1000		<a href="#">486360</a>	22/01/2021 14:40:52

You can enable Extracts on the *Admin Settings* page.

**Fig. 29**

Extract, Admin Settings Page



## Tracking History

Enhancements have been made to the UX related to tracking history. Matching deliveries are now listed in an embedded grid on the *Tracking History* page, improving visibility and accessibility for the user. The icons in the top right corner now also provide links to the *Exceptions* and *Incidents* pages.

Fig. 30

Matching Deliveries Panel, Tracking History Page

The screenshot displays the 'Tracking History' interface. At the top, there is a search bar with 'Reference' selected and the value '0083159'. Below the search bar is a table with columns: Supplier, Supplier Tracking Number, Last Supplier..., Supplier Pickup D..., Name, Address Line 1, City, and State Or Province. The table contains four rows of FedEx tracking data for W. L. GORE ASSOCIATES INC. in Santa Clara, CA. Below the table is a navigation bar with 'Per Page: 25'. The main content area shows a vertical timeline for a shipment with the following steps: 'Label Printed', 'Electronically Manifested', 'Picked Up Mon, 4 Jan', and 'In Transit'. The 'Expected Delivery Date' is 'Tue, 5 Jan, 06:05' and the current status is 'En route OAKLAND, CA, US'. At the bottom, there are three summary boxes: 'Ship To' (W. L. GORE ASSOCIATES INC., SILICON VALLEY PLANT, SANTA CLARA, CA, US, 95050), 'Delivery By FEDEX' (Tracking Number: 495865902832, Service: FDXDS, FedEx Standard Overnight), and 'More Info' (References: CR: 0083159, PO: 5146475).

## Suppliers

Administrators can now add a logo to a supplier in the *Create/Update Supplier* window. This logo appears alongside the supplier code on the *Deliveries* page.

A new check box is added to the *Create/Update Supplier* window to enable Consignment Level Tracking for the selected supplier.

A new field in the *Create/Update Supplier* window enables users to set a default direction if no account number is provided by the supplier. By default, it is assumed that the delivery is inbound if there is no account.

**Note** The direction provided in the Shipment End of Day XML always takes precedence over this default.

A new *Polling Max Age* field allows administrators to limit the number of deliveries that are polled. Deliveries older than the specified number of days in this field are no longer polled.

Fig. 31

Update Supplier Window

The screenshot shows the 'Update Supplier' window with the following fields and red arrows pointing to them:

- Supplier Code: FEDEX
- Supplier Name: FedEx Express
- File Name: fedex.gif (with a red arrow pointing to the eye icon)
- Tracking URL: https://www.fedex.com/apps/fedextrack/?action=ti
- Supplier Feed section:
  - Tracking Code Conversions: FEDEX\_CONV
  - Feed Format: FEDEX\_X12\_4010
  - Consignment Level Tracking:  (with a red arrow pointing to the checkbox)
  - Default Direction: Inbound (with a red arrow pointing to the dropdown arrow)
  - Delivery Lifespan (days): (with a red arrow pointing to the info icon)
- Polling section:
  - Polling Endpoint: (empty text box)
  - Polling Endpoint Tokens: (empty text area)
  - Polling Max Age (days): (empty text box) (with a red arrow pointing to the info icon)

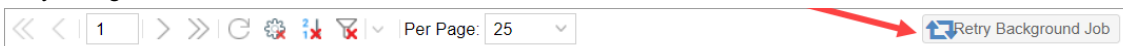
Buttons: Save, Close

### Background Jobs

It is now possible to retry processing on certain failed background jobs using the *Retry Background Job* button. This button is accessible in the toolbar of the *Background Jobs* page.

Fig. 32

Retry Background Job Button



A new auto-unlocking feature has also been introduced. Deliveries that are locked by a job are automatically unlocked if the job fails, allowing them to be reconsidered for processing.

A Job Queue Cleanup job now automatically releases any deliveries that have been locked for an extended period of time. The default is 12 hours.

**Fig. 33**

Retry Background Job

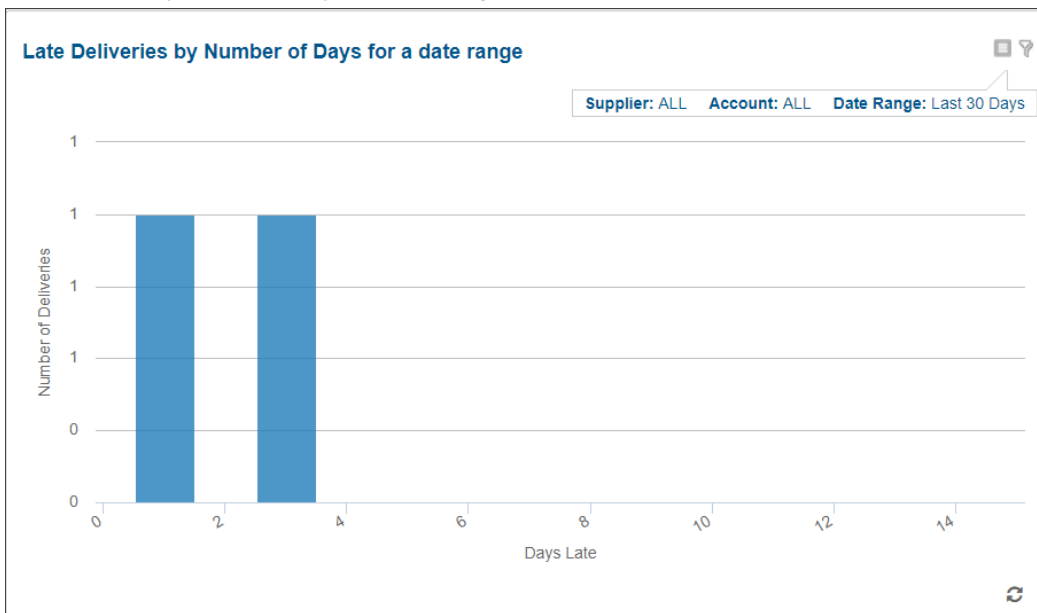
S	J	ID	Job Name	Start Time	End Time	Status	Exit Code	Exit Message	Last Updated
		511285	Background Jobs & Job Queues Purge	2021/09/21 09:20:00	2021/09/21 09:20:00	COMPLETED	COMPLETED	Input Parameters: {run id=76455088999649, purgeDays=10}	2021/09/21 09:20:00
		511284	Job Queue Cleanup	2021/09/21 09:15:00	2021/09/21 09:15:00	COMPLETED	COMPLETED	Input Parameters: {run id=76155110866395, cleanupTimeout=18}	2021/09/21 09:15:00
		511282	Background Jobs & Job Queues Purge	2021/09/21 09:10:00	2021/09/21 09:10:00	COMPLETED	COMPLETED	Input Parameters: {run id=75855131484797, purgeDays=10}	2021/09/21 09:10:00

Operational Analytics

A new chart option has been added to the Delivery Exception Management dashboard. The *Late Deliveries by Number of Days for a Date Range* chart shows the number of late deliveries and by how many days they are late. This chart can be filtered by supplier, supplier account, and date range.

**Fig. 34**

Late Deliveries by Number of Days for a date range chart

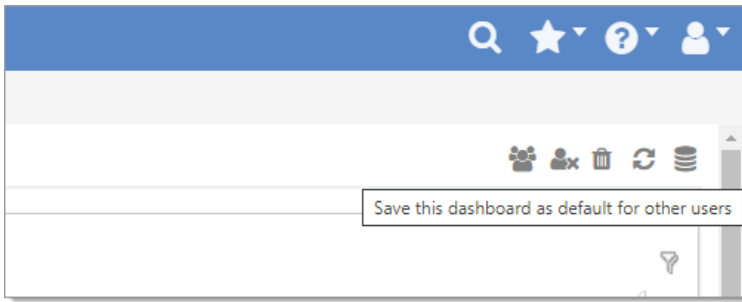


Newly added buttons on the dashboard interface enable users to:

- Save the current dashboard as the default for new users
- Reset the dashboard settings to default for the current user
- Delete the dashboard and remove all charts for the current user
- Clear the dashboard cache for all users

**Fig. 35**

New Dashboard Buttons



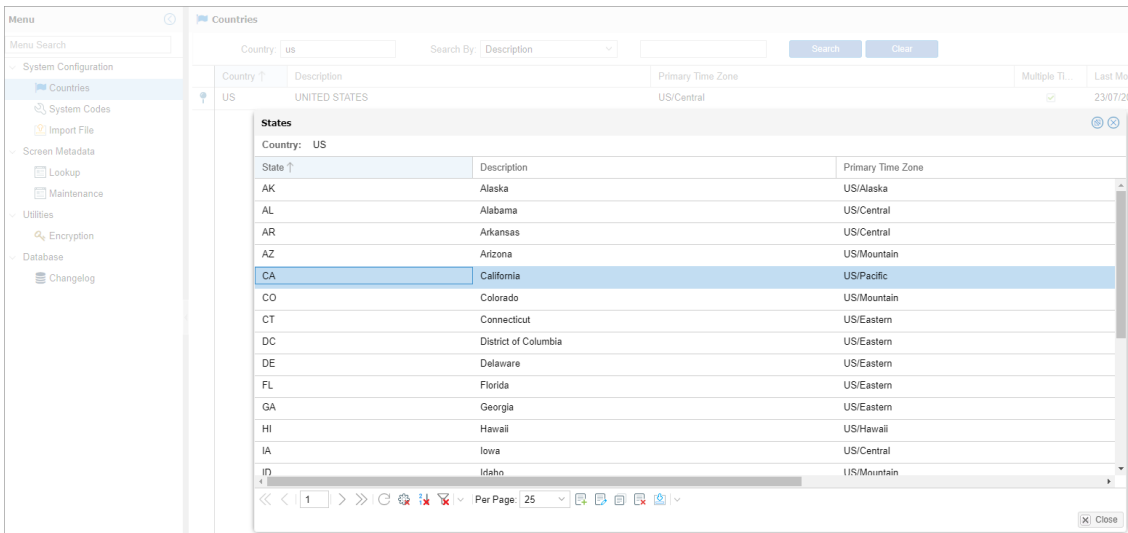
**Note** Clearing the cache is useful in cases where the supplier, supplier accounts, or user view information has changed.

### Time Zones

Foundation now stores time zone information for countries and states.

**Fig. 36**

Time Zones, Foundation

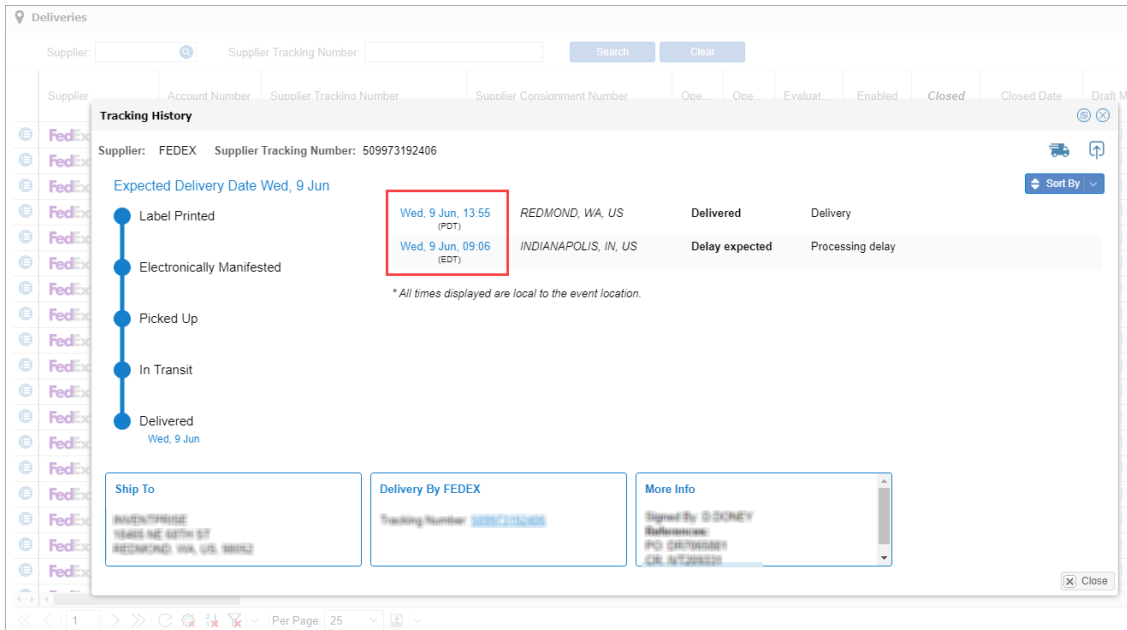


DEM uses this information to determine the delivery destination time zone, thereby allowing it to correctly determine if a delay expected exception should be raised.

The UI has changed accordingly so that it now indicates time zone details when available.

**Fig. 37**

**Time Zones in DEM Tracking History**



## Web UI 8.0 Patches

The current Web UI version is 8.0. It contains several fixes made since Web UI 7.2.5 was released:

- PSWEB-11174 Flow: SNPKSH - Added a new column to display the dimensionalised weight of the packs. Combine dimensionalised weight of each pack to display total and UOM.
- PSWEB-11506 Flow: Manifest - validate that the shipment status is valid when Save or Process actions are run by the user.
- PSWEB-11519 Flow: ShipmentDocument - allow Preview\_Local for either ALL or a given set of locales; Default behaviour remains as before this enhancement.
- PSWEB-11624 Flow: Create Shipment - state code validated in overwrite address scenario.
- PSWEB-11649 Flow: Added logic to make the repeatable task in sync to the WIN UI.
- PSWEB-11674 Flow: SNPK - Auto pack produces an error message. Add product to unpackedItemProducerMap-check for upperCase and lowerCase to avoid duplicates.
- PSWEB-11714 Flow: Preview PDF button for various login Locale; Use "ITRAX" key "COLLATE PDF LOCALES" system parameter.
- PSWEB-11421 PEM: Open/Close Shipping Plan button in PEM task fails when used more than once.
- PSWEB-11682 PEM: Added logic to remove unexpected errors when having more than 7 items.

- PSWEB-11510 RTEUPL: Removed a condition that stops charges with a value of 0.00 to upload.
- PSWEB-11533 Partner Imports: Cannot access all Target Address Books. Removed height restriction on div to display all data.
- PSWEB-11534 Partner Imports: Added logic to make the import functionality work for any address book.
- PSWEB-11713 REPORT option: "Preview Carrier Label" button and "Print Carrier Label" button should not preview/print any ITLDocuments.
- PSWEB-11249 Letter Of Credit (LC): Fix made for the "Add" functionality.
- PSWEB-11489 Transportation Execution Analytics Dashboard: Shipping costs by carrier service - services reported would be in capitals.
- PSFAP-6496 Retrofit to 7.2: If sessionId cookie is not present then need to fall back on previous logic which takes logged in user and database values from the request
- PSWEB-11685 Desktop Shipping: Added logic to make the Package Details Screen select the expected radio button based on ITRAX>DTS DEFAULT CONTAINS system value.
- PSWEB-11705 FLOW: Date formats to be consistent across columns, task grid and audit grid. Set format as per user profile setting.
- PSWEB-11740 Partners Import: Added logic to make the Address books visible in IE as well.
- PSWEB-11756 Copy shipment: Added logic to handle Double Quotes (") in Items-product description field.
- PSWEB-11786 Workflow: Added logic to make the date format in Excel in sync with that displayed on the workflow screen.
- PSWEB-11836 Manifest and Rate: Added logic to display total packed gross weight instead of total gross weight.
- PSWEB-11844 Manifest and Rate: Added logic to utilize the whole area available on the screen.
- PSWEB-11856 Shipment Text: Added logic to display Texts when using Text Id lookup.
- PSWEB-11857 FLOW: MAWB search field now appearing after saving it in the Workflow search configurator.
- PSWEB-11886 Flow: SNPK - GrossWeight field doesn't allow decimal separator '.' to be entered in German language, only comma allowed.
- PSWEB-11931 Basic Packing Screen and Items Screen: Added logic to always use ship pack when systemvalue BP-ALWAYS USE SHIP QTY is set as TRUE.
- PSWEB-11934 Flow: SNPK - Create/Update: for decimal separator comma, Net weight field does not auto-populate after gross weight change.
- PSWEB-11823 Technical: Possible Null Pointer.

- PSWEB-11831 Technical: Remove error logging for Heartbeat.
- PSWEB-11895 FLOW: Added Air Way Bill field in workflow screen.
- PSWEB-11987 FLOW Tasks: Added logic to disable create/update/delete buttons when it is Read Only true and canUpdateInReadOnlyMode false.
- PSWEB-12004 FLOW and Maintenance Screens: Added logic to redirect to the login page when the session has timed out in case of Alternate Login configuration setup.
- PSWEB-12035 FLOW: Create Shipment Screen - fixed issue where the top of the screen is missing when repositioned.
- PSWEB-12052 FLOW: Create Shipment Screen - Added logic to avoid truncating of values after the decimal for the product code field.
- PSWEB-12060 FLOW: Manifest - Take 3rd Party a/c number from Contacts if not in Carrier Association.
- PSWEB-11992 PEMUpdates web service: set AuditSequenceNumber filed on PEMSTORE records to make the record unique.
- PSWEB-12014 PEMStatusUpdate option: fix eventDatetime timezone.
- PSWEB-12024 BUILDA: Consolidation - remove the parent item license record before removing the child shipment.
- PSWEB-12025 Inquiry: Parties tab - show Place field which stores the actual City name.
- PSWEB-12028 RTEUPL: Added logic to have the length of charge table column restricted to 10.

## Highway

The Highway version released with QAD Precision v19 is 6.0.20. The Highway database schema has not changed in this release.

## Documentation Updates

The following documentation has been updated and published since the last release:

- QAD Precision Docs
  - [Overview Video](#)
  - [User Guide \(PDF\)](#)
  - [Online Help](#)
- [QAD Precision EFM Administration Guide \(PDF\)](#)
- [QAD Precision Transportation Execution S46 Release Notes \(PDF\)](#)
- [QAD Precision FTZ User Guide \(PDF\)](#)
- [QAD Precision FTZ Link Specification Guide \(PDF\)](#)

## Technical

### Java Version

The Java version used by Web UI is now 13.0.2.

### Web Application Server

WildFly has been replaced with Tomcat 9.0.41.

### Database

The Progress OpenEdge database version is now 12.2.6.

A hybrid database architecture is being used, where certain modules work with OpenEdge, MS SQL Server or Oracle while others only use MariaDB.

MariaDB is now used for the following modules:

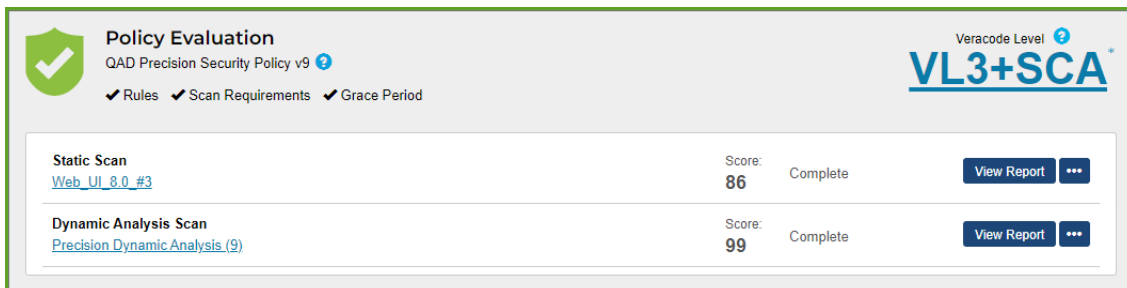
- Delivery Exception Management
- Freight Bill Audit and Pay
- Docs
- Base - Foundation and EFM.
- Exports - CDS Integration

### Web Security

Web UI 8.0 has been tested using Veracode dynamic and static scans and any issues found have been corrected. The required security policy has been met. Veracode reports are available upon request.

**Fig. 38**

Veracode Policy Evaluation



The EFM RESTful API calls are secured using the Oauth2 protocol. A Keycloak service has been added to provide this authentication management.

## Encryption Tool

A new option has been added to Foundation that allows administrators to encrypt text. This removes the need to interact with the `encryptor.bat` utility script.

**Fig. 39**

Encryption Tool

