

# PRECISION Web UI Release Notes

January 2014

These release notes include information about the latest PRECISION Web UI fixes and changes. These changes may affect the way that you implement and use Web UI.

Review this document before proceeding with any changes to your Web UI installation.

Use the following list to find a specific release:

***Release Notes for Current Release***    **2**

***Release Notes for Web UI Version 4.7***    **11**

***Release Notes for Web UI Version 4.6***    **18**

# Release Notes for Current Release

**PRECISION Web UI Version:** 4.8

**Release Date:** January 2014

## Related Documentation

User Guides and Admin Guides for TMS 4.6 are available in the QAD Document Library:

<http://www.qad.com/documentlibrary>

Updates to the Base User Guide and Admin Guide for TMS 4.8 will be available in March 2014.

## Web UI

The current Web UI version is 4.8.0. It contains a number of enhancements.

### User Experience Enhancements

#### Address Task

There is now a Reset Address button in the Address task in Workflow. This button allows the user to reset the address to the address entered on the partner record.

**Fig. 1**

Address Task

The screenshot shows a web browser window titled "Workflow - Addresses". On the left, there is a "Partner Roles" list with "Customer", "Ship To", "Shipper", and "Third Party (For SPS)" listed, each with a red 'X' icon. The main area contains a form with the following fields: Name (Precision Software - Chicago), Contact (James Young), Address Line 1 (651 W Washington Blvd), Address Line 2, Address Line 3, Address Line 4, City (CHICAGO), State (IL), Postal Code (60661), Country (US), Phone Number (+1-312-3348600), Fax Number (303 844-3000), and Email. At the bottom of the form, there are "Save" and "Reset Address" buttons. The "Reset Address" button is highlighted with a red rectangular box.

#### Local Printing

The Web UI now supports the ability to print server-generated ZPL documents to local client-side label printers. The local printers do not have to be visible to the server.

An applet receives the ZPL from the server and directs it to a local printer.

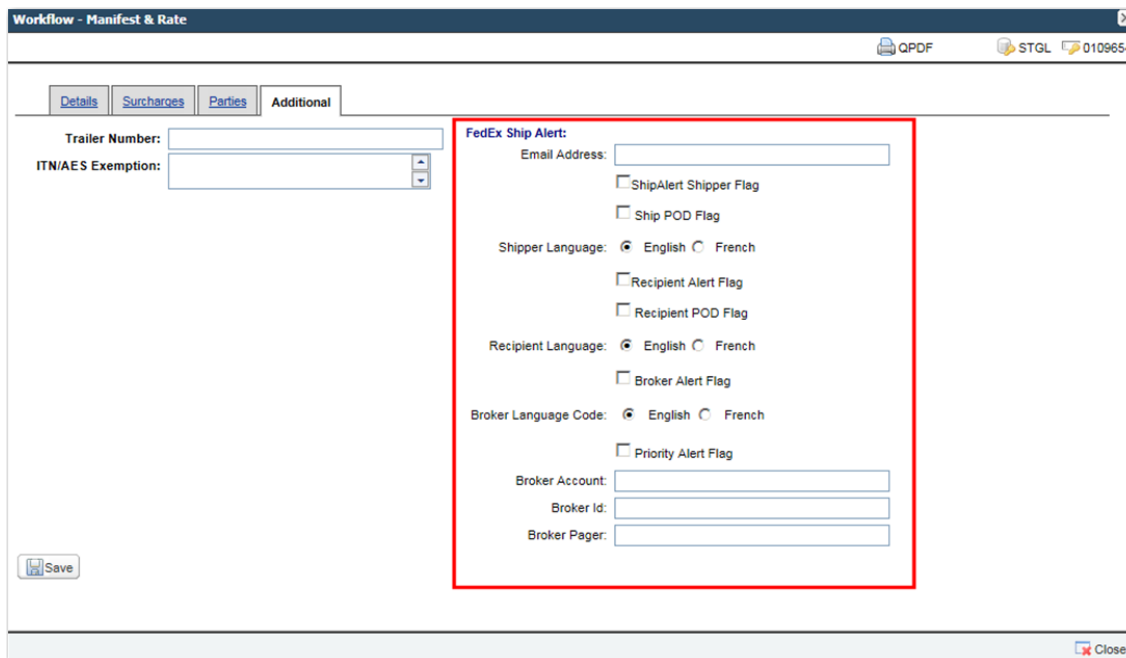
## Manifest Task

The Custom tab on the Manifest task is renamed to Additional. This tab now includes carrier-specific fields that display only when FedEx, DHL, or UPS services are assigned to the shipment.

- UPS services: Paperless Invoice field
- DHL services: Neutral Delivery Service field
- FedEx services: Ship Alert fields

**Fig. 2**

Manifest Task with FedEx Fields



The screenshot shows a web application window titled "Workflow - Manifest & Rate". The interface has a top navigation bar with tabs for "Details", "Surcharges", "Parties", and "Additional". The "Additional" tab is selected. On the left, there are input fields for "Trailer Number:" and "ITN/AES Exemption:". On the right, a red box highlights the "FedEx Ship Alert:" section, which contains several fields and checkboxes: "Email Address:", "ShipAlert Shipper Flag", "Ship POD Flag", "Shipper Language:" (with radio buttons for English and French), "Recipient Alert Flag", "Recipient POD Flag", "Recipient Language:" (with radio buttons for English and French), "Broker Alert Flag", "Broker Language Code:" (with radio buttons for English and French), "Priority Alert Flag", "Broker Account:", "Broker Id:", and "Broker Pager:". A "Save" button is located at the bottom left, and a "Close" button is at the bottom right.

Also, a description now displays next to the carrier field on the Details tab.

## Maintenance Man

A number of options and sub-options now include maintenance man functionality.

**Table 1**

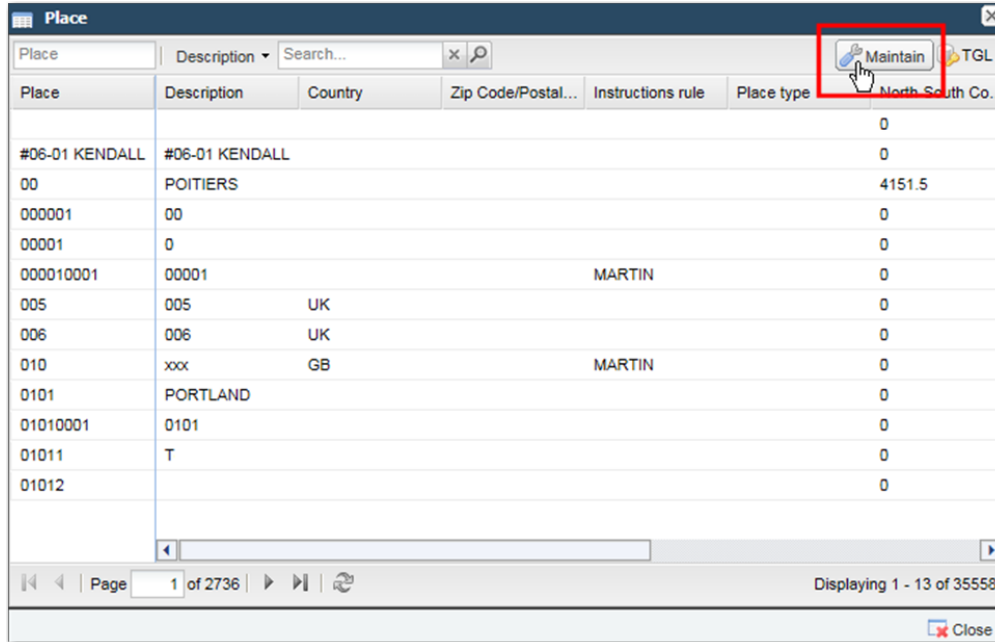
Options with Maintenance Man Functionality

Option	Description
ZS	Shipment Types
PT	Payment Terms
PY	Pack Types
CH	Charge/revenues
PL	Places
NO	Notes
CL	Client
LN	Packing Location

A Maintain link displays in the selection list pop-up window for these options. Click Maintain to access a page that allows you to maintain the master data associated with these options.

**Note** The Maintain link only displays if you have permission to maintain data using the applicable option. Support for additional options will be added in subsequent releases.

**Fig. 3**  
Place Selection Pop-up Window, Maintain Link



## Master Maintenance

The maintenance pages for a number of options and sub-options now use an Ext JS layout.

**Table 2**  
Options with an Ext JS Layout on the Maintenance Page

Option	Description
ZS	Shipment Types
PT	Payment Terms
PY	Pack Types
CH	Charge/revenues
PL	Places
NO	Notes
CL	Client
LN	Packing Location

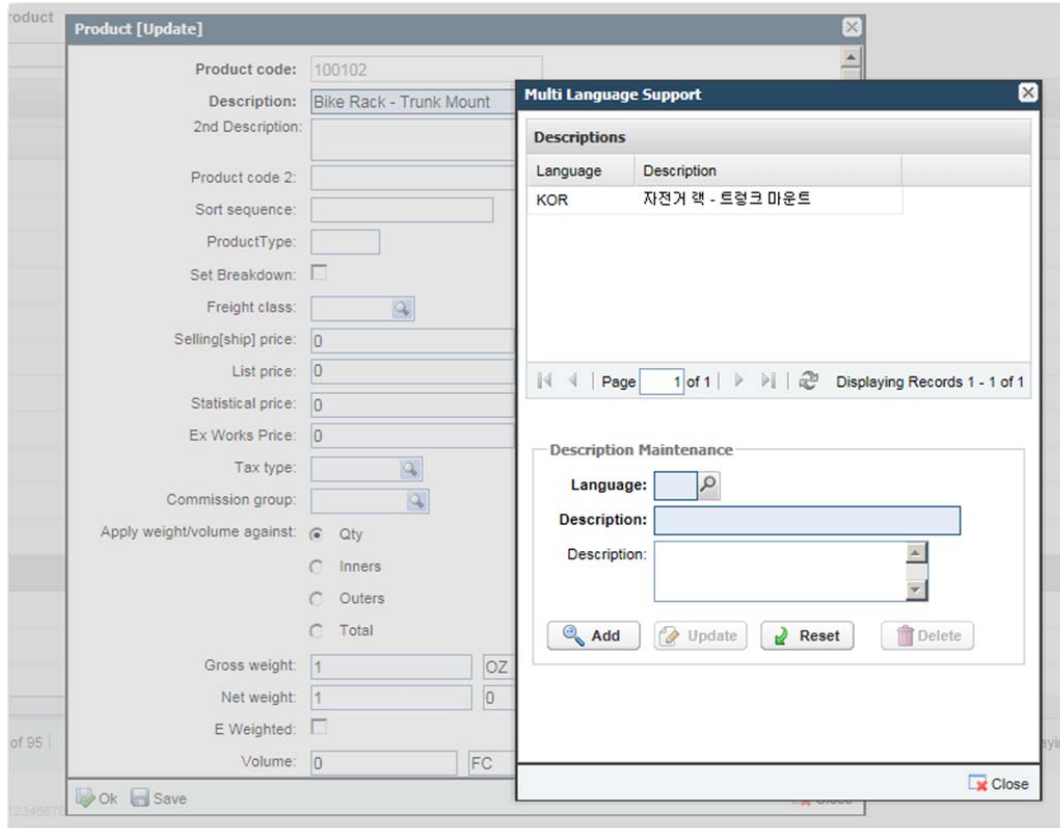
**Table 3**  
Sub-options with an Ext JS Layout on the Maintenance Page

Sub-options	Description
CHCD	Charge/delivery cross reference
PCK	Compliance - Whitelist
PLIP	Inter-place distances
PLPL	Place Location
PLPZ	Place Type
CLCD	Client/document associations

## MLS Support

General maintenance pages now support the ability to enter multi-language support (MLS) data. When a field has data entered, press F8 to view the Multi Language Support pop-up window.

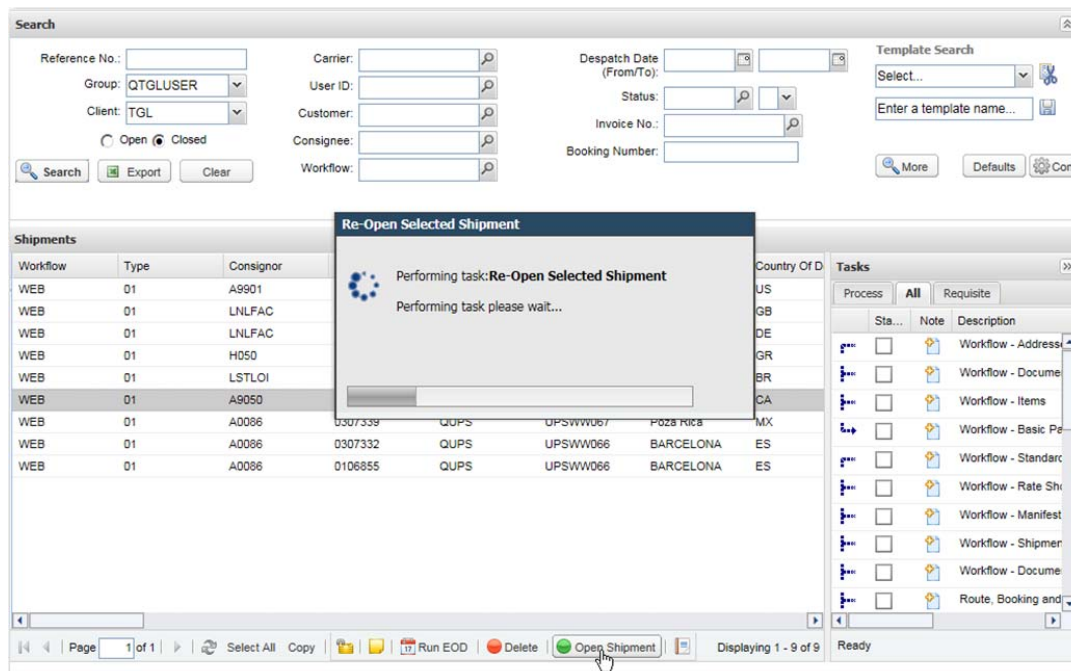
**Fig. 4**  
Multi-Language Support



## Reopen Shipments

You can configure a new option, OPENSH, to allow users to reopen closed shipments from the Workflow toolbar.

**Fig. 5**  
Reopen Shipment Option



## Route, References and Containers Task

There are new fields on the Route, References and Containers task.

The Dates and Locations tab now contains the Country of Ultimate Destination field.

**Fig. 6**  
Route, References and Containers Task, Dates and Locations Tab

The screenshot shows the 'Route, Reference and Container' window with the 'Dates and Locations' tab selected. The window title is 'Route, Reference and Container' and it includes a user ID 'STGL' and a session ID '0311555'. The 'Dates and Locations' tab contains various date and time fields, including 'Loading Date', 'End Loading Date', 'ETA Date', 'Actual Arrival Date', 'Despatch' (30/07/12), 'Req Delivery 1', 'Req Delivery 2', 'Extra Dates', 'BL Date', 'Invoice Date' (06/12/11), 'Order Date', 'Bill of Exchange Date', 'Bank Date', 'Journey Time/Uom' (DAY), and 'Early Delivery'. The 'Route' field is set to 'UPSWW068'. The 'Country of Ultimate Destination' field is highlighted with a red box. Other fields include 'Transport Mode' (ROAD), 'Country of Origin' (US), 'City of Origin', 'State of Origin' (IL), 'Place of Loading' (CHICAGO), 'Country of Despatch' (US), 'Place of Delivery' (MONTREAL), 'Country of Destination' (CA), and 'Final Destination'.

The Vessels pop-up window on the Vessels and Containers tab now contains Carrier, Depart Pier, Arrival Pier, and Reference tabs.

**Fig. 7**  
Route, References and Containers Task, Vessels and Containers Tab

The screenshot shows the 'Route, Reference and Container' window with the 'Vessels and Containers' tab selected. The 'Vessels' pop-up window is open, showing fields for 'Vessel', 'Carrier', 'Depart', 'Depart Pier', 'Depart Date', 'Arrive', 'Arrival Pier', 'Arrival Date', and 'Reference'. The 'Carrier', 'Depart Pier', 'Arrival Pier', and 'Reference' fields are highlighted with red boxes. The main window shows the 'Vessels and Containers' tab with a table of vessels and containers. The table has columns for 'ier', 'Depart', 'Depart Pier', 'Depa...', 'Arrive', 'Arrive Pier', 'Arr. Date', 'Reference', 'Sequence', 'Reg. Num', 'Type', 'Seal', 'Asset', and 'Nationality'. The 'Shipped in Containers' checkbox is checked.

## Text Id Task

You can use the new task, Text Id (WFTDTI), to maintain texts associated with each document on a shipment. The grid listing can be grouped by document, box or text ID.

**Fig. 8**  
Text Id Task

Document Type	Document Reference	Box	Text Id	Text Id Content	Update Text	Description
Document Reference: INV1E (6 Items)						
00	INV1E	BOX10	002	Ship on Pallets Order Number >ord...		7 line summary
00	INV1E	box11	013			Remarks
00	INV1E	box14	030			Payment terms extension
00	INV1E	BOX26B	069			Bottom of invoice declaration
00	INV1E	BOX28	BX28	Buyers Ref no. >bref		BX28
00	INV1E	marks	004			Marks & Numbers
Document Reference: PACK1 (5 Items)						
01	PACK1	box10	002	Ship on Pallets Order Number >ord...		7 line summary
01	PACK1	box10a	001			Ship. 1-line summary Box head
01	PACK1	box11	003	Line 1 line 2 line 3 line 4 line 5 line...		2-line shipment summary
01	PACK1	box14	030			Payment terms extension
01	PACK1	marks	004			Marks & Numbers

## Other User Experience Enhancements

- By default, when a workflow task is launched, the pop-up window now uses as much screen space as possible given the resolution.
- Maintenance list panels load automatically with records, rather than showing an empty grid until the user performs an initial search.
- It is possible to save the grid layout used on maintenance list panels pages.
- A Korean language pack is available for the Web UI.
- The Ship To and Postal/Zip Code fields on the Create Manual Shipment screen are no longer mandatory.

## Integration Enhancements

### PEM Update

It is now possible to configure PEM to keep track of all status updates, alerts, and comments made to a package by the PEM engine or made within the PEM page. You can then export this information from PEM using a new PEMUpdate XML API.

The data is exported in blocks, with each PEM Update request retrieving data from where it last left off. The amount of data returned in a request is configurable.

## Configuration Enhancements

### Password Policy

You can now:

- Use SHA-1 to encode the password used by the Web UI.
- Ensure that the password is a minimum length, and contains a minimum mix of alpha and numeric characters, and a minimum number of lower and upper characters.
- Set a maximum number of login attempts. If this number is exceeded, then the PRECISION user account locks.
- Ensure that the two most recently created passwords are not reused when a password expires.

### Consolidation Validation

The validation performed by the Mailroom Consolidation screen when adding shipments to a consolidation can now be configured to disable certain validation.

**Table 4**  
Skip Validation Checks System Value

Category	Value	Description
ITRAX	CONSOL: SKIP VALIDATION CHECKS	<p>By default, all shipments in a consolidation must be open and not rated, and have the same despatch date, ship from value, and hubs associated with them. Use this system value to specify a comma-separated list of values that allow you to disable all or part of this validation.</p> <p>Possible values:</p> <p>CLOSED - The consolidation can include closed shipments.</p> <p>RATED - The consolidation can include shipments that are rated.</p> <p>DESPATCH DATE - The consolidation can include shipments with different despatch dates.</p> <p>SHIP FROM -The consolidation can include shipments with different ship from locations.</p> <p>HUB - The consolidation can include shipments associated with different hubs.</p>

## Technical Enhancements

### Web Security

- The application has been tested for OWASP Top 10 flaws; Veracode static and dynamic scans were performed on the PRECISION Web UI solution. Potential vulnerability flaws were reviewed and either corrected or mitigated. Changes involved general refactoring of code, sanitizing certain requests from the client, extending the use of the ESAPI library, and checking reflection logic and logic accessing files on the server side.
- Applets used to interface with local printers and weighing scales are now signed using a QAD certificate. If you use the applets, you are now presented with an information pop-up rather than a warning; additional warnings are suppressed.

## Dynamic Contexts

The Web UI context is no longer hard coded in the deployed EAR file. Instead, the context is picked up from a Java property defined in the service\WrapperJBossService.conf file:

```
wrapper.app.parameter.10=-Dprecision.webui.context.name=precision
```

The static and translation contexts now derive from the Web UI context. If the Web UI context is set to production, rather than precision, then the static and translation contexts will be production-static and production-lang respectively.

## Ext JS Upgrade

Ext JS version 3.4.1.1 replaces version 3.3.1. The Web UI static library no longer contains 3.3.1 resources.

## Standards Mode

Previously, Web UI pages were rendered in Internet Explorer Quirks mode.

Web UI 4.8 supports the use of Internet Explorer 10; support for Internet Explorer 6 has ceased.

## Cookie Notification

The standard login page displays a cookie usage note to advise users that the application uses cookies.

**Fig. 9**

Login Page with Cookies Message



The screenshot displays the Precision Web UI login page. At the top, there is a logo consisting of four orange circles of varying sizes, followed by the text "PRECISION A DIVISION OF QAD". Below the logo is a horizontal line. The main form area contains the following fields and controls:

- User Id:
- Password:
- Client:
- Locale:
- Packing Location:
- Language:
- Database:
- Use default values for this user.
- [Login](#)

At the bottom of the page, there is a red-bordered banner with the following text:

Important information regarding cookies:  
Like most websites, this site uses cookies. By using this site you agree that we may store and access these cookies on your devices. This website will not work with cookies disabled.

PRECISION Web UI 4.8.0 [20131216-0534]

## Fixes

- Scales: The Printing Applet Jar file now downloads to the client browser.
- Standard Packing task: The default pack type values are now correct.
- Authentication: An issue with the SSO Login Token has been resolved. Token auto authentication is now working properly.
- Scan, Pack and Ship: The notes task now displays correctly in Scan, Pack and Ship.

## Highway

The Highway database has not changed with this release. The current Highway version is 3.3.2. It contains a number of enhancements.

### Integration Enhancement

#### Update Shipment Web Services

The list of web services supported by Highway now includes the PEMUpdates and ProcessShipmentLines messages. The full list of available services is as follows:

- CreateShipment
- RateShopShipment
- ShipShipment
- ProcessShipment
- ProcessEOD
- ReprintShipment
- VoidShipment
- QueryShipment
- ProcessComplianceRequest
- ShowComplianceResult
- QueryPEM
- UpdateShipment
- PEMUpdates
- ProcessShipmentLines

The latest WSDL file is installed by the Web UI installer in \data\wsdl\Precision-3.3.2.wsdl. It can also be obtained when the solution is running by accessing the following URL:

<http://localhost:8080/highway/ws/precision?wsdl>

### Mail Endpoint Enhancements

- Support for secure pop3s, imaps, and smtps protocols. It is now possible to read from, and write to, Google Mail accounts.
- An issue related to reading e-mails with attachments from certain ISPs has been resolved.

# Release Notes for Web UI Version 4.7

**Release Date:** April 2013

## Related Documentation

The following documents have been created for this release:

- *User Guide: TMS* (item 70-3263-4.6)

The documents are available in the QAD Document Library:

<http://www.qad.com/documentlibrary>

## Web UI Functionality

The current Web UI version is 4.7.0. It contains a number of enhancements.

### User Experience Enhancements

#### Manifest Task

A new Parties tab has been added to the Manifest workflow task. On the Parties tab, you can update the following roles:

- Ship To
- Third Party
- Customer
- COD Party

You can also view the following read-only roles:

- Shipper
- Hold for Pickup

This functionality is available under the existing QuickPath option, WFTMAN.

**Fig. 10**  
Manifest Task: Parties Tab

The screenshot shows a web application window titled "Charges - Ship/Manifest". At the top right, there are icons for "QPSL", "STGL", and "F109676". Below the title bar, there are three tabs: "Details", "Surcharges", and "Parties", with "Parties" being the active tab. The form contains the following fields:

- Party: A dropdown menu with "Third Party" selected.
- Name: A text input field with a search icon.
- Contact: A text input field.
- Address Line 1: A text input field.
- Address Line 2: A text input field.
- Address Line 3: A text input field.
- Address Line 4: A text input field.
- City: A text input field with a search icon.
- State: A dropdown menu with a search icon.
- Postal Code: A text input field with a search icon.
- Country: A dropdown menu with a search icon.
- Phone Number: A text input field.
- Fax Number: A text input field.
- Email: A text input field.

At the bottom left of the form is a "Save" button with a green checkmark icon. At the bottom right of the window is a "Close" button with a red 'X' icon.

## Inquiry

A Carrier Tracking tab has been added to the Inquiry View Details screen. It displays carrier tracking information from the PRECISION Exception Management (PEM) engine. The Carrier Tracking tab also contains general package information, package tracking history, and any PEM comments associated with the package.

**Fig. 11**  
Inquiry View Results Screen: Carrier Tracking Tab

The screenshot shows a web application window titled "User: CT Supervisor - visibility ALL locations". The breadcrumb trail is "You are here: Home - Shipment Inquiry - Result List - Carrier Tracking". The navigation bar includes tabs for "Header", "Leads", "Packages", "Items", "Charges", "Documents", and "Carrier Tracking".

**Package**

Pack Number	Priority	Pack Type	Tracking Number	Length	Width	Height	Dim UOM	Gross Weight	Weight UOM
1505		QCASE10	1Z1234519100703499	50.0	5.0	8.0	IN	2.0	LB

**Tracking History**

Update Event Date	Location	Description	Revised ETA Date	Carrier Scan Description	Notification Date
Mon Apr 19 00:00:00 PDT 2010	CHICAGO	MANIFESTED	Mon Apr 19 00:00:00 PDT 2010		Mon Apr 19 00:00:00 PDT 2010
Mon Apr 19 00:00:00 PDT 2010	CHICAGO	DELIVERY RESCHEDULED	Mon Apr 19 00:00:00 PDT 2010	DELIVERY RESCHEDULED; THE ADDRESS IS IN A REMOTE AREA AND DELIVERESARE NOT MADE DAILY	Mon Apr 19 00:00:00 PDT 2010

**Comments**

Comment	Updated By	Update Date	Reason Code
test comment.	SUPER	Fri Apr 15 16:02:25 PDT 2011	
Another test comment	SUPER	Fri Apr 15 16:03:14 PDT 2011	

To add the tab to the View Details screen, use the INQ\_RESULTS\_TABS system value.

**Table 5**  
 INQ RESULTS TAB System Value

Category	Key	Value
ITRAX	INQ RESULTS TABS	A comma-separated list where each entry represents a tab in the View Details screen; to display the Carrier Tracking tab, add Carrier Tracking to the list. For a list of other possible values, see the Inquiry chapter of <i>Administration Guide: Base Web UI</i> .

This functionality is available under the existing QuickPath option NQ.

#### Scan, Pack and Ship

Functionality has been added to improve transaction processing times within the Scan, Pack and Ship screen.

- You can now define a function to automatically execute on loading a transaction. It is also now possible to configure preconditions that must be satisfied before this action is run.
- You can now define a function to automatically execute when the All items packed state of a shipment changes during the packing process. It is also possible to configure preconditions that must be satisfied before this action is run.

This functionality is available under the existing QuickPath option SNPKSH.

#### PEM Carrier Integrations

PEM integration capabilities have been added for the following carriers:

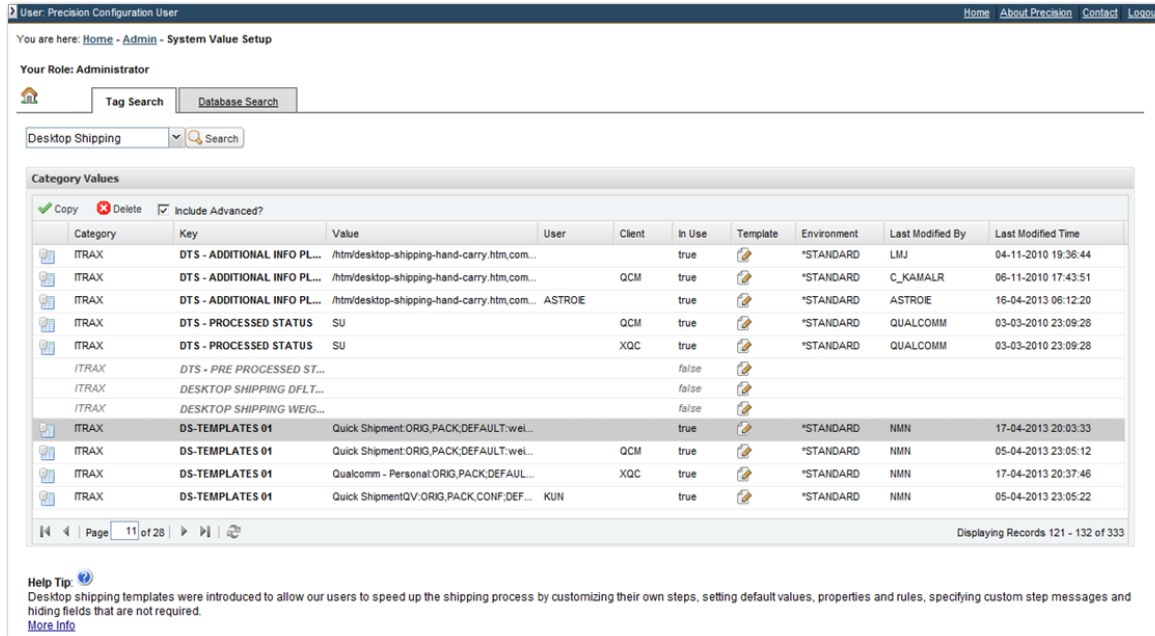
- Canpar
- Chronopost
- DHL Global Mail
- Trans-o-flex

#### System Value Maintenance

The System Value Setup page has changed. The page provides two views of the system value table.

- The Tag Search tab provides a managed view in which system values are described using metadata. System values are listed even if they do not physically exist in the database. Help is provided on the selected value, informing the user of its purpose and expected format.
- The Database Search tab provides administrators with access to the values stored in the database. The functionality is similar to the Y3 option available in the Windows UI.

**Fig. 12**  
System Value Setup Page: Tag Search Tab



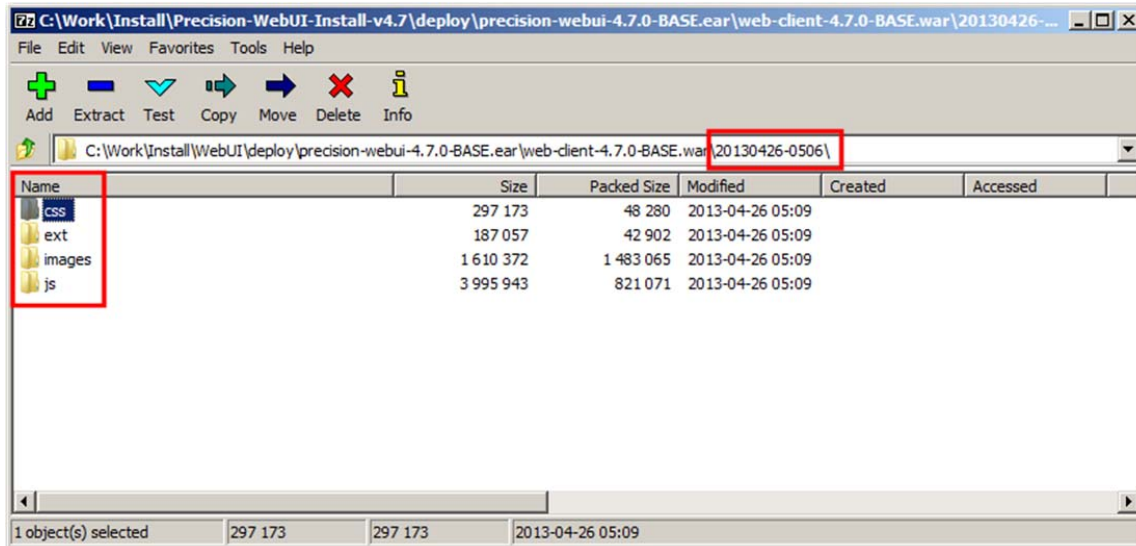
The new page is available under the QuickPath option Y3. It replaces the old System Value Setup page.

## Technical Enhancements

### Invalidate Browser Cache

The underlying structure of the Web UI has been modified to incorporate a build number in the directory paths of resources that are typically cached by the web browser. The build number consists of the date and time that the release was built. In the past, a new version or patch of the Web UI required users to manually clear their browser cache. This step is no longer necessary, as updates include the new build number, and therefore the browser automatically caches the web resources that are released with the update.

**Fig. 13**  
Resource Directory Path with Build Number



The Login page and the About item in the Help menu now detail the build number in addition to the Web UI version.

The Web UI ear file now includes the word BASE, to indicate that it is part of the baseline but is compatible with the customized framework. Ear files built with customizations include a customer ID instead of BASE in the file name.

### Minor Enhancements

- Workflow tasks that a user does not have permission to run now show in gray, allowing the user to clearly identify tasks that cannot be run.
- Previously, an ok message box displayed on completion of all background workflow tasks run within Scan, Pack and Ship. This message now displays only when it includes important information for the user.
- A new 404 error page replaces the default JBoss 404 error page.
- The session ID now changes when a user signs into the Web UI. This behavior protects against a security issue known as session fixation. A new property controls this feature:  
`precision.login.changesessionidonlogin=true`
- Three new note tasks, WFTNO2, WFTNO3, and WFTNO4 provide note functionality similar to the existing WFTNOT option. However, they each use a different URL, so permissions can be set up to allow different users to run different note tasks. This feature is useful in a workflow where manual checks need to be performed and the note tasks change the status of the shipment.
- You can now remove buttons from the Documents task window in workflow using the DOCUMENT TASK - HIDE BUTTONS system value.

**Table 6**  
DOCUMENT TASK - HIDE BUTTONS System Value

Category	Key	Value
ITRAX	DOCUMENT TASK - HIDE BUTTONS	A comma-separated list containing one or more of the following: PRINT, EMAIL, SAVE, DELETE, ADD, HISTORY, GRID_PRINT, GRID_PREVIEW.

- On drop-down menus, rather than initially showing Select, the default search field is selected.

### Fixes

- A number of issues with the mobile pages have been corrected. This release fixes an issue with the mobile login page as well as fixing some client issues when querying PEM comments for a package.
- A number of issues with the workflow link task functionality have been resolved. Linked tasks are now recognized when called from within the Scan, Pack and Ship screen. A number of issues with linked tasks have also been corrected in the workflow page.
- An issue with clearing the generic maintenance cache has been resolved. Selecting Clear Cached Maintenance Information in the Administration section of the System Values menu now clears all cache information used to build list and selection panels.
- A number of XSS vulnerabilities have been removed.
- An issue with workflow auto searching has been fixed.
- A locale has been added to the Documents task. The locale now displays correctly when the Documents task is run from the Scan, Pack and Ship page.
- Delete data issues with packing functionality have been fixed.
- The number of AJAX calls used on the Workflow Portal page have been reduced.

- Issues with the inline login pop-up window have been fixed. It is now possible to disable this pop-up through configuration.

## Performance

- A load test on Desktop Shipping was performed, and the findings are available in a load test results document.

## Highway

The current Highway version is 3.3.1.

There are no changes to the Highway database schema for this release.

## Integration

### Update Shipment Web Services

The number of web services supported by Highway has increased. The solution now provides the UpdateShipment message as a web service. The full list of services available is

- CreateShipment
- RateShopShipment
- ShipShipment
- ProcessShipment
- ProcessEOD
- ReprintShipment
- VoidShipment
- QueryShipment
- ProcessComplianceRequest
- ShowComplianceResult
- QueryPEM
- UpdateShipment

The latest WSDL file is installed by the Web UI installer in the `\data\wsdl\Precision-3.3.1.wsdl` folder, or can be obtained when the solution is running by accessing <http://localhost:8080/highway/ws/precision?wsdl>

## Fixes

- The Mail writer endpoint has been modified to include a connection timeout. If there is a problem connecting to the SMTP server when trying to send an e-mail, the request now times out after 60 seconds.
- The Overwrite Message Id flag on the endpoint record was not being read correctly from the database. This issue is now fixed.
- Highway was not able to parse the detail in the PERSISTENCE\_LOCATION Highway setting when an Oracle RAC URL was specified. This issue is now fixed.
- When a HTTP request is received, UTF-8 is now used by default in the response encoding.

- A new custom parser for Dachser FTP has been added so that Highway can correctly pull PEM updates from myFtp.dachser.com.

## Installer Changes

### Java

- Java 1.6\_45 is now installed by the installer.
- By default, the 64bit version of Java is selected to be installed.

### 4GL Listener

- New versions of the Listener OCX and DLL components are installed. These components have been rewritten to work with Java 6 (1.6\_45).
- Java 1.3.1 is no longer installed.

### Highway Database

Additional PEM data has been added to the Highway database to help to set up connectivity with Canpar, Chronopost, DHL Global Mail, and Trans-o-flex. XML files containing the PEM data can be found in the \data\highway-db folder.

# Release Notes for Web UI Version 4.6

**Release Date:** September 2012

## Related Documentation

The following documents have been created for this release:

- *User Guide: Base Web UI* (item 70-3263-4.6)
- *Administration Guide: Base Web UI* (item 70-3264-4.6)

The documents are available in the QAD Document Library:

<http://www.qad.com/documentlibrary>

## Web UI Functionality

### New User Experience Features

PRECISION Web UI 4.6 extends the capabilities of the Web UI in several areas. See the *User Guide* and the *Admin Guide* for detailed information on the new features.

#### Consolidate and Ship Module

A new Consolidate and Ship option allows for the building and shipping of consolidation transactions. The consolidation process involves the selection of items (by shipping quantity or inner quantity or outer quantity), lots (by shipping quantity or inner quantity or outer quantity), and serial numbers from one or more transactions to build a consolidation. You can build the consolidation using drag-and-drop, barcode scanners, the keyboard, and mouse input. The shipping process can be dynamically configured through PRECISION workflow tasks and is linked to the underlying PRECISION workflow module. Items can be added and removed from an existing consolidation as required. This functionality is available under the new option SNPKCS.

#### Short Shipping

New Short Ship functionality allows you to partially ship a transaction. The user can remove one or more items, lots, or specific serial numbers from a transaction before shipping the transaction. The items removed from the transaction are then available for selection and can be:

- Added to a new transaction for shipping or back ordering.
- Consolidated onto an existing transaction.

#### Route, Reference and Container Task

A Route, Reference and Container task with the option WFTRRC has been added. The task is an accumulation of the following Windows UI features:

- Route, booking, and container
- References and other details
- Route details

The new task is displayed in the following screen shots.

**Fig. 14**  
Route, Reference and Container: References and Partners Tab

Route, Reference and Container

STGL 0104029

References and Partners | Dates and Locations | User Defined and Other | Vessels and Containers

Carrier:

Haulier:

Shipment Type: EX

LC Number:

Invoice Number:

Order Number:

Buyers Reference:

Import Permit Number:

In Bond Code:

Additional Reference:

Export Traders Ref#:

Cert of Origin Number:

CAP Number:

Consignor Excise Number:

FOB Value: 0

Terms:

Terms Text:

MAWB:

HAWB:

Intl. Carrier:

Notify:

Bill of Lading No.:

BL Original:

Bank Draft Number:

Other Reference:

Customs Reference:

Entry Number:

Booking Number:

Forwarders Ref:

Cert of Insurance No.:

EUR1 Number:

Consignee Excise No.:

Bill of Exchange:

Update Close

**Fig. 15**  
Route, Reference and Container: Dates and Locations Tab

Route, Reference and Container

STGL 0104029

References and Partners | Dates and Locations | User Defined and Other | Vessels and Containers

Loading Date:  hh.mm

End Loading Date:  hh.mm

ETA Date:  hh.mm

Actual Arrival Date:  hh.mm

Despatch:  hh.mm

Req Delivery 1:  hh.mm

Req Delivery 2:  hh.mm

Extra Dates:

BL Date:

Invoice Date:

Order Date:

Bill of Exchange Date:

Bank Date:

Journey Time/Uom:

Early Delivery:

Route:

Transport Mode:

Country of Origin:

City of Origin:

State of Origin:

Place of Loading:

Country of Despatch:

Place of Delivery:

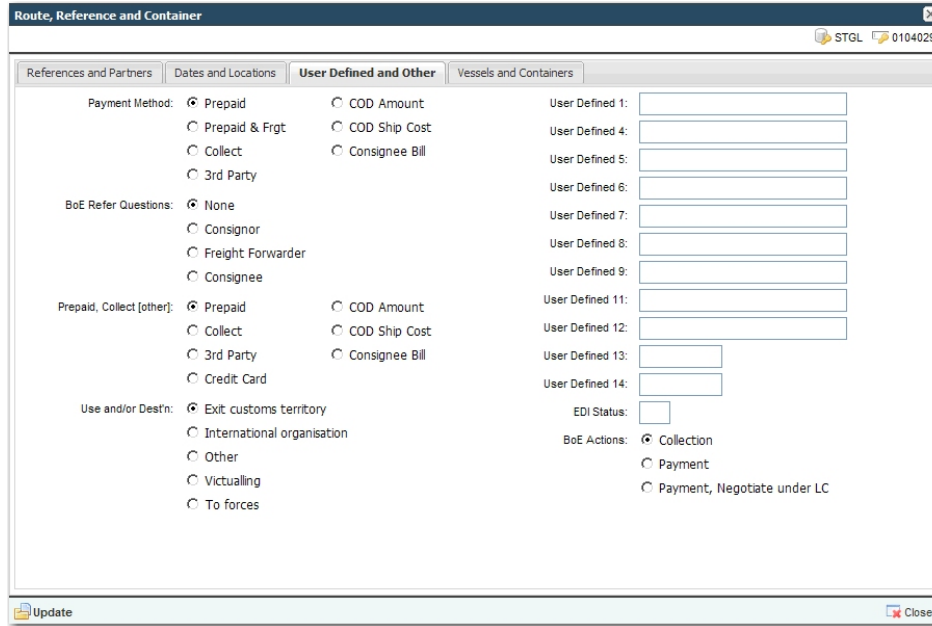
Country of Destination:

Final Destination:

Shipment Subtype:

Update Close

**Fig. 16**  
Route, Reference and Container: User Defined and Other Tab

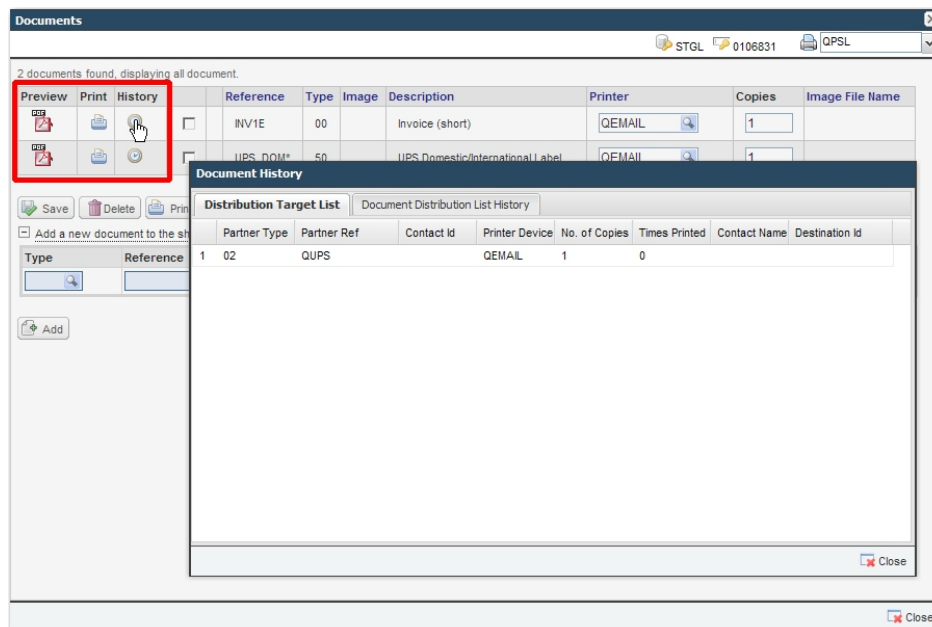


## Document Printing

The document task has been modified to allow easier previewing and e-mailing of documents. A PDF preview button and e-mail button are now always shown regardless of locale. A print button has been added to the left of each document, which allows the user to print to document distribution lists.

In addition, the document task now can now display the user document distribution list and document printing history information.

**Fig. 17**  
Documents Task



The following issues have also been fixed:

- Desktop shipping producing additional documents such as an invoice or packing list on the confirmation step when template property *allowed\_documents* is set.
- Issues with the document print task BBSPT.

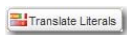
## New Configuration Features

### Translation Overhaul

An advanced translation framework is available for key screens in the Web UI. The workflow portal, workflow tasks, PEM, PEM tasks, scan pack ship, and the EOD page now use this framework. If any of these pages are run by a user who is a translation administrator, the translation framework displays a translate literals button.

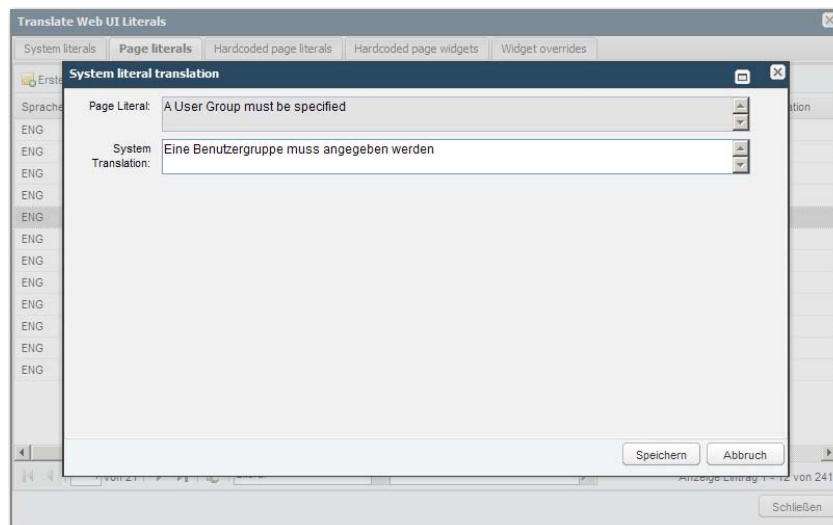
**Fig. 18**

Translation Literals Button



**Fig. 19**

Translation Literals Screen



The basic translation framework has been revised so that translation can be stored in the database. These pages now use the same content as the advanced translation framework. However, the literals are stored as system literals. They can be changed by using the translate literals pop-up available from a page supporting the advanced translation framework.

A comprehensive lists of literals used by the Web UI has been generated and translated into German, French, Spanish (Latin America), Portuguese, Italian, and Simplified Chinese.

**Fig. 20**

Web UI: Language Pack Login Screen



**Note** A follow-up content pack containing the translated literals will be made available for the Web UI 4.6 in October 2012.

### Customization Framework

A new Web UI customization framework has been introduced. This aims to provide an improved approach to applying customer specific customizations. With this release, five levels of customization are now available:

- A customization project that contains modified code, built on top of core code. This will remove the need for invasive customizations.
- An advanced dynamic configurator is provided for core screens: Scan, Pack and Ship, Workflow, and certain workflow tasks.
- An advanced method of injecting new JS and JSP files into certain core screens.
- Skins.
- Language Translations.

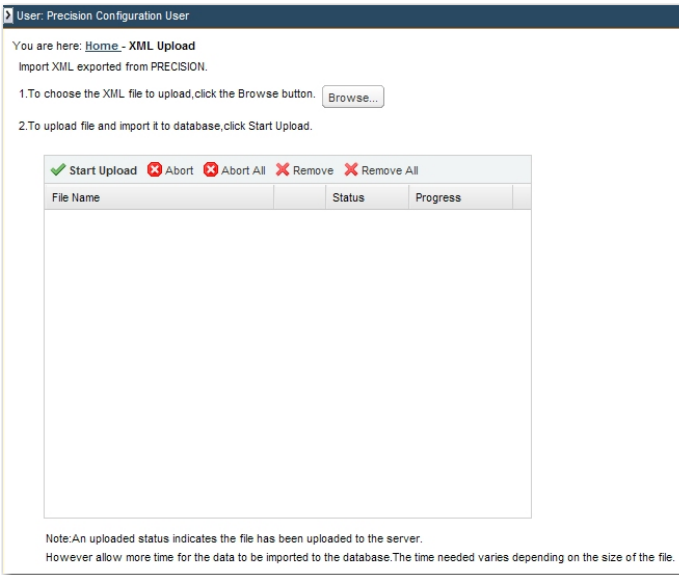
The primary customization approach is the *Customer - Web UI project*, which allows you to maintain any customization for a customer in a separate project. The project will only contain the source files that relate to changes that are applied for the customer. Advantages of this approach include:

- Enables you to maintain a PRECISION Web UI customization project that contains only customer specific enhancements.
- Allows for an easier upgrade process from Web UI 4.6 to a later release.
- Provides greater control over what new functionality is added for the customer after the customer has started testing or is already live.

### XML Upload

There is a new page that allows users to upload standard PRECISION XML files. This functionality is available under the updated option *XML* and allows you to upload data exported from the Windows UI.

**Fig. 21**  
XML Upload Page



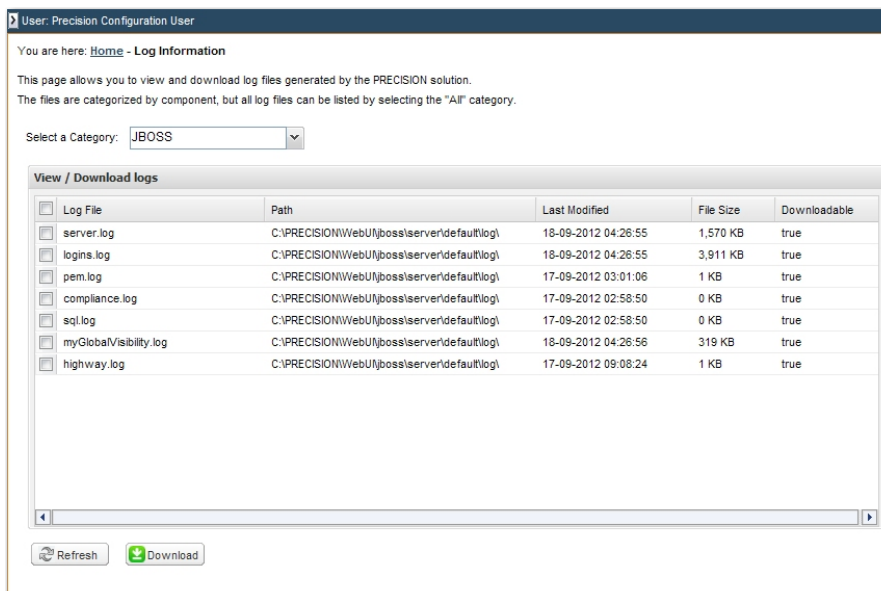
### Access to JBoss Log Files from PRECISION Web UI

A new Log Information page that lists application log files is available. This page provides an administrator with easy access to the log files produced by the PRECISION solution. The page can run in two modes:

- It tries to determine the location of log files based on the configuration.
- A system value details the log folders and files to display.

This functionality is available under the new option *LI*.

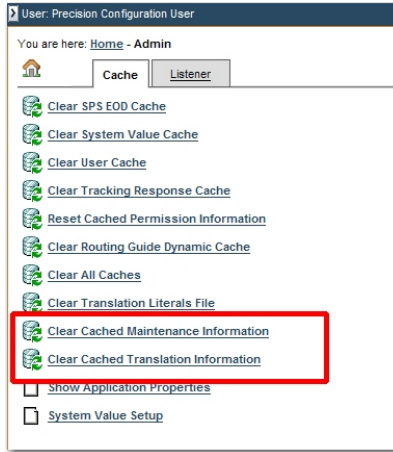
**Fig. 22**  
Log Information Page



## Cache

Basic translations are cached to reduce database I/Os. This cache can now be cleared from the admin page. Case tool data used to build screens from the program builder records can also be cleared from the admin page.

**Fig. 23**  
Clear Cache Update



## New Deployment Features

Skins are now distributed as war files. A sample *cust* skin is provided as an exploded war file in the deploy directory. This can be used as a starting point to creating a customer specific skin.

The static content of the Web UI ear file has been broken out into a new *precision-webui-static* war file. This reduces the size of the Web UI ear file.

Translation content is deployed as a separate war file. There is a new *precision-webui-translation.war* in the JBoss deploy folder.

**Fig. 24**  
New WAR Files

Folders	Name	Size	Type	Date Modified
deploy	scheduler-service.xml	7 KB	XML Document	11/09/2012 19:15
ejb3.deployer	hsqldb-ds.xml	6 KB	XML Document	11/09/2012 19:15
http-invoker.sar	cache-invalidation-service.xml	3 KB	XML Document	11/09/2012 19:15
jboss-aop-jdk50.deployer	precision-webui-4.6.0.ear	10,479 KB	EAR File	11/09/2012 17:22
jboss-bean.deployer	precision-highway-3.3.0.ear	1,612 KB	EAR File	11/09/2012 17:21
jboss-web.deployer	precision-webui-static-1.0.1.war	24,326 KB	WAR File	11/09/2012 17:21
jbossws.sar	precision-webui-p2009-skin.war	127 KB	WAR File	11/09/2012 17:04
jms	precision-webui-qad-skin.war	116 KB	WAR File	11/09/2012 17:04
jmx-console.war	ejb-deployer.xml	12 KB	XML Document	26/01/2011 11:48
management	quartz-ra.rar	7 KB	RAR File	18/07/2008 15:44
precision-webui-cus	mail-ra.rar	11 KB	RAR File	18/07/2008 15:44
precision-webui-tran	jboss-local-jdbc.rar	12 KB	RAR File	18/07/2008 15:44
ext	jboss-ha-xa-jdbc.rar	9 KB	RAR File	18/07/2008 15:44
js	jboss-xa-jdbc.rar	16 KB	RAR File	18/07/2008 15:44
literals	jboss-ha-local-jdbc.rar	7 KB	RAR File	18/07/2008 15:44
META-INF	monitoring-service.xml	6 KB	XML Document	18/07/2008 15:43
WEB-INF	jsr88-service.xml	2 KB	XML Document	18/07/2008 15:43
lib	ear-deployer.xml	2 KB	XML Document	18/07/2008 15:43
	client-deployer-service.xml	2 KB	XML Document	18/07/2008 15:43
	bsh-deployer.xml	1 KB	XML Document	18/07/2008 15:43
	sqlxception-service.xml	1 KB	XML Document	18/07/2008 15:43
	schedule-manager-service.xml	5 KB	XML Document	18/07/2008 15:43
	properties-service.xml	2 KB	XML Document	18/07/2008 15:43
	mail-service.xml	2 KB	XML Document	18/07/2008 15:43
	jmx-invoker-service.xml	6 KB	XML Document	18/07/2008 15:43
	jbossjca-service.xml	3 KB	XML Document	18/07/2008 15:43
	ejb3-interceptors-aop.xml	23 KB	XML Document	18/07/2008 15:43
	uuid-key-generator.sar		File Folder	11/09/2012 19:15
	precision-webui-translation.war		File Folder	11/09/2012 19:15
	precision-webui-cust-skin.war		File Folder	11/09/2012 19:15
	management		File Folder	11/09/2012 19:15
	jmx-console.war		File Folder	11/09/2012 19:15
	jms		File Folder	11/09/2012 19:15
	jbossws.sar		File Folder	11/09/2012 19:15
	jboss-web.deployer		File Folder	11/09/2012 19:15
	jboss-bean.deployer		File Folder	11/09/2012 19:15
	jboss-aop-jdk50.deployer		File Folder	11/09/2012 19:15
	http-invoker.sar		File Folder	11/09/2012 19:15
	ejb3.deployer		File Folder	11/09/2012 19:15

## Performance

All Oracle index hints have been removed from the SQL queries generated by Web UI.

## Highway Release Notes

Highway version is now 3.3.0.

## Integration

### Extra Web Services

An extended number of Web services are supported by Highway. The solution now offers the EOD and compliance Web services. The full list of services available is:

- CreateShipment
- RateShopShipment
- ShipShipment
- ProcessShipment
- ProcessEOD
- ReprintShipment
- VoidShipment
- QueryShipment
- ProcessComplianceRequest
- ShowComplianceResult

- QueryPEM

SAP-specific issues with the PRECISION WSDL file have been corrected. The new WSDL file can be found in or requested from Highway using the URL <http://localhost:8080/highway/ws/precision?wsdl>.

## OTM Connector

A new connector is provided that plugs into Oracle Transportation Management. This allows rate offerings to call out to PRECISION for small parcel freight and accessorial costs.

Rates are returned to OTM when a Rate Inquiry is performed or when orders are released and shipments created.

## Resolved Defects

The issue where only first two endpoint properties were stamped on a message has been fixed. Now, all five endpoint properties are added to the message.

The UTF-8 issue, which can occur when XML response contains Simplified Chinese characters, has also been fixed.

## Installer

The following changes have been made to the installation:

- How To documents are now installed in PDF format.
- JBoss is now configured to clear down temporary compiled JSP files created in the work directory. The following is set by default in the `\deploy\jboss-web.deployer\META-INF\jboss-service.xml` file:

```
<attribute name="DeleteWorkDirOnContextDestroy">true</attribute>
```