

# Pathway

## SPRINT NOTES

2024.10

**infor** Pathway

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<https://www.infor.com/en-au/products/pathway>

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# Introduction

This document describes the Fixes and Software Corrections made in Sprint 2024.10 of the Pathway ePathway and Pathway Smart Mobile software.

Included in this document are the following sections:

## Online Help

This includes an overview of how to access Pathway Help.

## Modules

Each module which has undergone modifications is included in this documentation. The related information is now contained in the following documents:

- Infor Pathway Sprint Notes 2024.10.pdf
- Infor Pathway Sprint Notes Summary 2024.10.xlsx

## Online Help

Help documents can be accessed from within the Pathway UX Client by going to My Account >> Help.

This will take you to the Infor Documentation page.

Click on the Title Infor Pathway UX User and Administration Documentation Library (Cloud and On-Premises).

Help is split between Administrator and User Topics. Modules can be accessed from the Administrator and User headings.

## System - Functionality

### Receipting Gateway Conversion

Case:  
UX Client

Work Item: 1281  
ERS:

#### GATEWAY RECEIPT CONVERSION

Gateway Receipt Conversion has been updated to use Pathway UX user interface standards.

### External Web Service

Case:  
UX Client

Work Item: 64435  
ERS:

#### APPLICATION LODGEMENT

The Application Lodgement External Web Service has been extended to enable the External Names function. Recording an External Name during Application Lodgement removes the need to create a Name in Pathway prior to lodgement, when recording a Name is mandatory.

The Name Role now accepts the following properties to create an External Name:

- surname
- givennames
- email
- companyname
- addressline1
- addressline2
- suburb
- statecode
- postcode
- phone.

### External Web Service

Case: COGC CS0286673  
UX Client

Work Item: 64558  
ERS:

#### APPLICATION LODGEMENT

The SDK code and documentation have been corrected so that a Major Category Question Single Line can be used. Previously, the Type was incorrectly set to "L" instead of "S".

### External Web Service

Case:  
UX Client

Work Item: 64734  
ERS:

#### FINDINSPECTIONS METHOD

A change has been made to Pathway External Web Service's FindInspections method to return inspection duration and calculated end time information for each inspection matching the search criteria.

## Street/Suburb Gateway Conversion

Case: UX Client	Work Item: 1304 ERS:
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### STREET/SUBURB CONVERSION

Street/Suburb Conversion has been updated to use Pathway UX user interface standards.

## Animals Gateway Conversion

Case: UX Client	Work Item: 1315 ERS:
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### ANIMAL CONVERSION

Animal Conversion has been updated to use Pathway UX user interface standards.

## Transaction Processor

Case: MACK CS0053197 UX Client	Work Item: 60745 ERS:
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### TRANSACTION PROCESSOR

The Transaction Processor under System Administration >> Menu has been changed so that the Apply Button is in the correct position at the top of the grid.

## Profiles

Case: UX Client	Work Item: 57443 ERS:
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### PROFILES

The profiles menu will refresh every time that it is opened. This change allows profiles to be added or removed and the menu will display the current list without the need to reload the page.

## Pathway UX Data-grid

Case: LOGA 17390213, MELB CS0055562, ACC CS0056937 UX Client	Work Item: 60348 ERS:
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### DATA-GRID

The data-grid Export to Excel function in Pathway UX has been updated to export in XLSX format.

## Search Results

Case: UX Client	Work Item: 62663 ERS:
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### COMPACT RESULT LIST

When User Settings has Compact Display Mode enabled in the Display section, the Search Results will display more items.

## Batch Processing

Case: UX Client	Work Item: 63104 ERS:
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### EXPORT ENTITY SELECTION

Export Processed Jobs now correctly exports the selected Processed Job(s), rather than the first row. E.g. Customer Service >> Reports >> Customer Request Report - Options - Export Processed Jobs.

## Printing

Case: WODO CS0186315 UX Client	Work Item: 63939 ERS:
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### PRINTING

Scrollbars are now always hidden when a report is printed from the Browser.

## Pathway UX Data-grid

Case: LOGA 17390213, MELB CS0055562, ACC CS0056937 UX Client	Work Item: 60348 ERS:
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### DATA-GRID

The data-grid Export to Excel function in Pathway UX has been updated to export in XLSX format.

## Animal Registration

### Animal Renewal Control

Case: GLAD 16118193  
UX Client

Work Item: 59375  
ERS:

#### ANIMAL RENEWAL CONTROL

Previously, the validation of the Default Cost record for the Animal Registration Classes was incorrect.

The error message displayed when the validation failed has also been updated to include the Animal Types and Registration Classes.

### Animal Listing Control

Case: BALL CS0031698  
UX Client

Work Item: 63156  
ERS:

#### ANIMAL LISTING CONTROL

The Animal Listing Control Report can now be successfully produced, and the following changes have been made:

- Validation errors will now be displayed before the Submit button is clicked.
- When a Name is selected in the From Owner Name and To Owner Name fields, they incorrectly displayed the Formatted Name. The sortname is now displayed.  
**NOTE:** the sortname is the equivalent of the Personal Surname or Company Name.
- The From Owner Name and To Owner Name selectors (arrow) have been corrected to display the Personal/Company Name Summary.

### Animal Maintenance

Case:  
UX and Smart Clients

Work Item: 63589  
ERS:

#### ANIMAL SEARCH PROFILE

Improve Animal Search Profile response times for search criteria that return a large number of results.

### Animal Renewal Control

Case: MELV CS0407593, KING CS0410276,  
COGG CS0425344  
UX Client

Work Item: 64848  
ERS:

#### ANIMAL RENEWAL CONTROL

Previously, Animal Renewal Control was not correctly producing a report. A report can now be successfully produced.

# Customer Service

## Property Maintenance

Case:  
UX Client

Work Item: 63586  
ERS:

### LINKED REQUESTS

The linked request/s search response has been improved. This is the navigation from other modules to the Customer Service module via their option menus.

## Request Maintenance

Case:  
UX and Smart Clients

Work Item: 63587  
ERS:

### REQUEST SEARCH PROFILE

Improved Request Search Profile response times for Completion Status search criteria values other than All.

# Document Management

## Pathway Agent

Case: WODO CS0443851  
UX Client

Work Item: 64929  
ERS:

### PATHWAY AGENT WITH COM API

Users of external integration with Pathway UX, using the Pathway Agent COM API, found that the external software could intermittently display a message similar to Unable to Communicate with Pathway. This was narrowed down to calls to the Pathway Agent COM API GetWindowHandle method not always returning a value. Changes have been made so this method now always returns a value.

Additional changes were made:

- to the Pathway.Agent.ComApi.dll.config so that the tracing parameter now defaults to true rather than false.
- to additional logging contents to the logs.
- to keep the recovery "COM API response" records in CIFAPIR for a minimum of 8 hours instead of a minimum of 30 minutes.

# ePathway System

## ePathway Database Upgrade

Case: COGC 16751154  
UX Client

Work Item: 59260  
ERS:

### SYSTEM MENU ITEMS

The DisplayPublic value is no longer altered during the database upgrade, ensuring site customisations are not overwritten.

## Content Scanning of Uploaded Files

Case: LAKE CS0209230  
UX Client

Work Item: 64485  
ERS:

### FILE UPLOAD

ePathway now has three additional settings for initial file validation for files uploaded via ePathway. These settings are disabled by default as they need to be tested using the software installed on your Pathway Web Server.

Detections will result in a message being displayed and an entry added to the Audit Log.

Configuration - System Parameters - Advanced:

**Security.ValidateFileContent** Activate Validation that the file contents are the expected file extension type.

**Security.VirusScanWithAMSI** Activate Virus scanning for attachments using the system's built-in virus scanner.

**Security.VirusScanWithWindowsDefender** Activate Virus scanning for attachments using Windows Defender.

### Validate File Content

This option inspects the data within the file to see if it matches the extension type. It is intended to prevent a user from changing the extension of a file to circumvent any restriction placed on the file extensions that can be uploaded. This has the potential to prevent a user from uploading a different file type, for example, an exe as a jpg.

### VirusScanWithAMSI

This option will perform an in-memory scan of the file contents being uploaded and use the active virus scanner that the ePathway Web server is running. The detection rate between products may be different as this is looking for malicious code in memory.

### Windows Defender

This option will perform a file-based scan using the Windows Defenders command line scanner. This will only run if this executable is found on the Pathway Web server. If it is not present, one of these messages will be logged to the audit log:

- Windows Defender command line is not available at C:\Program Files (x86)\Windows Defender\MpCmdRun.exe.
- Windows Defender command line is not available at C:\Program Files\Windows Defender\MpCmdRun.exe.

## ePathway Setup Wizard

Case: LAKE CS0206322  
UX Client

Work Item: 64001  
ERS:

### ADDED SECURITY PAGE ON SETUP WIZARD

An additional form has been added to the ePathway Setup Wizard to make it easier to set some of the Security settings.

## Sign In > Forgotten your password

## Mobility > CityWatch > Sign in > Forgot Password

Case: LAKE CS0206283  
UX Client

Work Item: 64008  
ERS:

### FIX SECURITY VULNERABILITY IN LOGIN ASSIST (SELF-SERVICE PASSWORD RESET)

A vulnerability in the Login Assist function was identified whereby an attacker that has already obtained a valid username could potentially brute force the activation code and obtain a valid set of credentials. The attacker would still need to arrange for the account to be unlocked for example by social engineering. This update mitigates the vulnerability by ensuring that a locked-out account cannot have its password changed.

## Page Layout

Case: LAKE CS0209250  
UX Client

Work Item: 64009  
ERS:

### ADDED CUSTOM VALIDATORS ON DYNAMIC TEXT FIELDS

We have added the ability for fields of type String to be validated by a custom Regular Expression. This is achieved by configuring it in Page Layout >> Module >> Groups >> Fields:

Page Group Fields

This page shows you all of the fields available for the selected page group.

User Registration Type: New User Registration  
Page: New User  
Group: Personal Details

Seq.	Label	Label O'ride	Width	Lines	Hover Text	Validator Regular Expression	Validator Message	Min. Value	Max. Value	Data Type	Boolean Display Action
4	Surname/Company Name	<input type="checkbox"/>	30							String	
5	Given Names	<input type="checkbox"/>	30							String	
7	User Name	<input type="checkbox"/>	30							String	
8	Date Of Birth	<input type="checkbox"/>	15							Date	
9	Email Address	<input type="checkbox"/>	30							String	
10	Mobile Phone	<input checked="" type="checkbox"/>	20			<code>^04\d{2}[1s-]?d{3}[1s-]?d{3}\$</code>	Mobile phone numbers should start with 04 and			String	
11	Email Address Confirmati	<input type="checkbox"/>	20							String	
12	Postcode	<input type="checkbox"/>	10							Integer	

Adding a Regular Expression against a field in Page Layout will cause the validator to be added to that field when the page is displayed. The associated Validator Message will display if the field does not conform to the Regular Expression configured.

\* Denotes that the field is mandatory

**The following errors need to be corrected:**

- Mobile Phone: Mobile phone numbers should start with 04 and be in the format of #### ####

Please fill in the fields below.

New User	
Personal Details	
Surname/Company Name	<input type="text"/>
Given Names	<input type="text"/>
User Name *	<input type="text" value="TestUser"/>
Date Of Birth	<input style="border: none; border-bottom: 1px solid #ccc; padding: 2px 2px 2px 20px;" type="text"/>
Email Address	<input type="text"/>
Mobile Phone	<input type="text" value="0123456789"/>
Email Address Confirmation	<input type="text" value="test@test.com"/>
Postcode *	<input type="text" value="5000"/>

Here are a few examples:

Regular Expression: `^04\d{2}[\s-]?\d{3}[\s-]?\d{3}$`  
 Validator Message: Mobile phone numbers should start with 04 and be in the format of 0000 000 000.

Regular Expression: `\d{5}`  
 Validator Message: This field should have 5 digits

Regular Expression: `[a-z0-9!#$%&'*/+=?^_`{|}~-]+(?:\.[a-z0-9!#$%&'*/+=?^_`{|}~-]+)*@(?:[a-z0-9](?:[a-z0-9-]*[a-z0-9])?\.)+[a-z0-9](?:[a-z0-9-]*[a-z0-9])?`  
 Validator Message: Email address is not in the correct format

**NOTE: Please conduct your own testing on any custom validators you add, to ensure they are not blocking values incorrectly.**

## ePathway Single Sign On

Case: UX Client	Work Item: 64546 ERS:
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Two new options are now available to streamline the Single Sign On (SSO) Process.

### Bypass the standard ePathway Logon form

When IFS SSO has been configured, it is now possible to bypass the ePathway Logon page completely and go directly to the IDP Logon form. This is controlled by a new System Setting `SingleSignOn.IFS.IdentityProviderAuthenticationOnly`. When set to true, any user navigating to the standard logon form (i.e. [Web/Login/Login.aspx](#)) will be forwarded straight to the IDP logon form.

In order to override this setting you can pass an additional query parameter to the Login page URL (i.e. [Web/Login/Login.aspx?AllowStandardLogon=true](#)) which will force the standard ePathway Logon form to display.

This should allow for all possible configurations. For example, multiple Sign In links can be added to the Header bar via Layout >> Header URL's. Alternatively you may want to always redirect to the IDP logon form if anyone clicks on the Sign In link but add the standard ePathway Login link in a more discreet location if it is not regularly used.

ERB links making use of the ForceLogon=true parameter also adhere to this setting and will redirect either to the IDP or ePathway logon form based on the SingleSignOn.IFS.IdentityProviderAuthenticationOnly setting.

For Example:

[Web/Payments/ExternalRequestBroker.aspx?Module=ERCPAYM&Class=RA&Type=RA&Reference=&Qualifier=&Amount=&ForceLogin=true](#)

would force the user to login (either by standard logon form or via the IDP logon form) but would still redirect the user to the Payments page after authentication has taken place.

NOTE: If the user is already logged in at the IDP, redirects would happen seamlessly.

### **Bypass the ePathway password entry page for AUTOSSO registrations**

There is another new system setting SingleSignOn.IFS.BypassPasswordForm that allows the password entry page to be bypassed when an AUTOSSO user is registered for the first time (i.e. NAR record matches the IDP user but has not yet been registered in ePathway).

When this setting is turned on, the password entry form is bypassed. A unique complex 20 character password will be automatically set in lieu of a manually entered password for this user. In this scenario, the user would not be aware of their password but will be able to login directly via the IDP. In the case of a user accidentally removing their link to their IDP account, we have provided a reset password button on the LinkToSSO page.

# Infringements

## Plan Maintenance

Case: MELB CS0057466  
UX Client

Work Item: 61897  
ERS:

### ANALYSE RESULTS

A Plan Number column has been added to Analyse Results for Instalment Payment Plan Maintenance.

## Hand Held Data Creation

Case:  
UX Client

Work Item: 63389  
ERS: 105212

### HAND HELD PARAMETER UPDATE CONTROL

The hand held parameter update has been changed to allow the export of the following Licence Infringement Parameters:

- Council Areas
- Notification Types
- Offence Types
- Streets
- Suburbs
- Street Suburb Combinations.

## Infringement Type Parameters

Case:  
UX Client

Work Item: 63389  
ERS: 105212

### STATUS CODE ASSIGNMENT

Previously, it was not possible to assign Status Codes after creating a new Infringement Type.

# Inspections

## Inspection Maintenance

Case:  
UX and Smart Clients

Work Item: 63588  
ERS:

### INSPECTION SEARCH PROFILE

The Inspection Search response time has been improved for very large search results.

## Name and Address

### Contact Management Parameters

Case: SWAN 17186977  
UX Client

Work Item: 60476  
ERS:

#### INITIAL CONTACT MANAGEMENT PARAMETER SETUP

Contact Management Parameters and Contact Group Maintenance have been corrected so the initial records are created correctly within the UX Client.

### Address Template Parameters

Case: SWAN CS0043252  
UX Client

Work Item: 63974  
ERS:

#### ADDRESS TEMPLATE PARAMETERS

The Relations button is now enabled on Template Line Relations. This displays the relationships the existing item has to other items.

# Property Administration

## Property Maintenance

Case: DUNE CS0291006  
UX Client

Work Item: 64674  
ERS:

### PROPERTY CONDITIONS MAINTENANCE

Conditions would intermittently fail to delete without showing any error. There are now additional checks to ensure that a single request to delete each Condition is sent to the server.

# Rates Accounting

## Batch Journal Maintenance

Case: MELV CS0216478  
UX Client

Work Item: 64403  
ERS:

### TRANSACTION IMPORT CONTROL

Previously, the Transaction Import could fail without importing transactions where large volumes of Rate Types and Rating Period Rate Types existed in the parameters, and where a large number of Rate Types (over many Rating Periods) existed on the Assessments for which transactions were being imported.

## 1 - Perform Supplementary Rates Generation

Case:  
UX Client

Work Item: 64586  
ERS:

### SUPPLEMENTARY RATES GENERATION CONTROL

A correction has been made so that the Print Rate Type Summary Report check box now has the correct label. Previously, it had an incorrect label of Transaction Reference.

## 2 - Perform Supplementary Rates Generation Update

Case:  
UX Client

Work Item: 64611  
ERS:

### SUPPLEMENTARY RATES GENERATION UPDATE CONTROL

**NOTE: This change only effects sites that have the Online Supplementary Calculation Rates System Parameter turned off**

Changes have been made to the way in which the Supplementary Rates Generation Update handles problems that may be encountered during the processing of Transfer Groups.

NOTE: the processing of Transfer Groups occurs after the Supplementary Rates Generation Update has already processed and committed all Supplementary Valuations and Supplementary Rate Type changes (and their associated new transactions and adjustment transactions).

Previously, when a problem was encountered during the processing of a Transfer Group the job would fail, ending abnormally. This has been changed so that the following now occurs:

- The Transfer Group with the problem will be reported on the Exception Report. It will also be mentioned in the Job Processing Summary and in the Job completion email,
- No transfer transactions will be written for the Assessments (i.e. the From and To Assessments) in the Transfer Group that encountered the problem.

NOTE: Except when the problem is encountered during the transferring of receipts (the final step when processing a given Transfer Group), in which case the transfer transactions will have been written apart from some of the receipt transfers which will need to be checked.

- The Transfer Group that encountered the problem will be marked as complete and inactive,
- The processing of any remaining Transfer Groups will continue and
- The job should complete normally.

**NOTE: Since the Supplementary Generation Update job will now complete normally when a problem has been encountered it is imperative that the Exception Report and Job completion**

**email are always checked for reported problems so they can be investigated, and any required remediation or manual processing can be undertaken.**

When a problem is encountered the reported message will identify the relevant Transfer Group/s.  
Sample message: Transfer Group 1234A: Processing failed. Transfer Group must be processed manually.

Sample message where a receipt transfer encountered a problem:

- Transfer Group 7788: Receipt transfer processing failed. Receipt transfers must be checked and processed manually.
- Transfer Group 7788: Check Receipt 1234596686 transfer of 77.00 to Assessment 189261 and process manually if required.
- Transfer Group 7788: Check Receipt 1234596676 transfer of 15.15 to Assessment 189262 and process manually if required.

## Receipting

### Cashier Sign Off

Case: SWAN CS0191935  
UX Client

Work Item: 63956  
ERS:

#### CASHIER SIGN OFF

If a suspended receipt message is displayed when signing off a Drawer, the banking total will not be displayed.

### Receipt Entry

Case: WODO CS0425477  
UX Client

Work Item: 64879  
ERS:

#### ACCEPT RECEIPT

The Accepting of a receipt was failing when the receipt lines were across multiple data-grid pages. The Accept button will now process all lines when split across multiple pages.

### Receipt Entry

Case: BALL CS0428157  
UX Client

Work Item: 64920  
ERS:

#### INSTALMENTS DUE

Previously, the Payment Amount was not automatically populated when the Number of Instalments was entered.

Also, an incorrect Payment Amount was carried forward to Instalments Due when an Allocation Amount greater than 999.99 was entered into the Infringement Allocation Line Maintenance.

# Registers

## Register Entry Maintenance

Case: LATR CS0035778  
UX Client

Work Item: 63258  
ERS:

### NUMBER FORMATTING

Numbers are now formatted correctly to show all the configured decimal points. This also applies to calculated fields.

# Smart Mobile CityWatch

## Smart Mobile Apps

Case: LAKE CS0206386  
UX Client

Work Item: 64006  
ERS:

### REMOVED REFERENCES TO THE GOOGLE MAP KEYS

The Smart Mobile apps have loaded Google Maps based on the GoogleAPIKey in ePathway Parameters. However there were still references in the code to previous Config.js settings.

Please remove these two (2) lines from the config.js file in all four (4) of the Smart Mobile apps:

```
GoogleAPIKey: "", // REDUNDANT SETTING - TAKEN EPATHWAY SYSTEM SETTINGS NOW  
GoogleClientID: "", // REDUNDANT SETTING - TAKEN EPATHWAY SYSTEM SETTINGS  
NOW.
```

# Word Processing

## Licensing Maintenance

Case: WODO CS0338382, STHL CS0364786      Work Item: 64575  
UX Client      ERS:

### LETTER/NOTICE MAINTENANCE

Previously, when processing Licensing Letter/Notice in Bulk, the documents were only printing and the Delivery Method was incorrect. Now the document is generated and finalised using the default Delivery Method on the Name.

## Letter Extract on Attachments

Case:      Work Item: 64790  
UX Client      ERS:

### APPLICATION RESPONSE ATTACHMENTS EXTRACT

A new Extract List RESP\_ATT has been made available to allow extract of Attachments against Application Responses into letters. For generating a letter for a particular Response, it works as a standard Extract Type that can be selected by a Merge Type.

For generating a letter that extracts an Application's Responses and subsequently extract Attachments against each Response, it works as an Associated Extract Type that is associated with a RESPONSE Extract Type's Response\_Attachments Merge Field i.e. it is the RESPONSE Extract Type will be selected by a Merge Type.

As part of the change, these additional Extract Fields have been created:  
Attachment\_File\_Name, Attachment\_File\_Extention, Attachment\_File\_Size,  
Attachment\_Include\_Image, Attachment\_Include\_Text.

These Extract Fields have also been made available to other existing Attachments Extract Lists for other modules business objects, such as Customer Service Request, Animals etc. The Attachment\_Include\_Image is used with INCLUDEPICTURE Word merge for image attachments and the Attachment\_Include\_Text is used with INCLUDEDTEXT Word merge for a Word attachment only.