

Oracle® Fusion Middleware

WebCenter Forms Recognition Release
Notes

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Includes WebCenter Forms Recognition Release
Notes

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Oracle WebCenter Forms Recognition 14.1.1.0.BP1

This document contains information about the 14.1.1.0.BP1 release of Oracle WebCenter Forms Recognition. Read all information in this document before you update your installation.

New Features

This release provides the following new features.

Platforms

- WebCenter Forms Recognition now supports Windows 11.
- WebCenter Forms Recognition now supports Windows Server 2022.

Web Verifier

- Web Verifier now supports OAuth2.0 Authentication with grant type Authorization Code.
- It is now possible to disable document image caching in Web Verifier.
- Verifier now provides the ability to classify or reclassify a document in the Document List view. For more information refer to *Disabling Document Image Caching in the WebCenter Forms Recognition Installation Guide*.

Web Verifier and API

- It is now possible to limit the number of failed logins attempt to Web Verifier and RESTful API. For more information, refer to "Limiting the Number of Failed Login Attempts" in the WebCenter Forms Recognition Installation Guide.

Enhancements

This release provides the following enhancements.

Oracle 12c is not supported any longer.

The default version of ASP.NET 4.x available on each of the supported versions of Windows Server are as follows:

- Windows Server 2022 – ASP.NET 4.8
- Windows Server 2019 – ASP.NET 4.7
- Windows Server 2016 – ASP.NET 4.6

If ASP.NET has been upgraded on a supported version of Windows Server, the upgraded version can be used.

Installation

- The WibuKey application is no longer required to run BIC and has therefore been removed from the Oracle WebCenter Forms Recognition installation package.

The application can optionally be uninstalled after updating to Oracle WebCenter Forms Recognition 14.1.1.0.BP1.

Verifier

- The keyboard shortcut **Ctrl + Z** has been disabled in the indexing view. The new keyboard shortcut **Ctrl + Shift + Z**, which clears all form fields, has been added. The user is presented with a confirmation dialog asking whether to clear all fields.

Web Verifier

- The **Redirect** endpoint no longer supports authentication within the URL. The user must be logged in manually or via Windows Authentication prior to entering the **Redirect URL**.
- The behavior of list box, dropdown, and combo box controls on a user dialog created from script now matches the behavior in Verifier. Previously, Web Verifier returned the index of the selected item based on the displayed list, which removed all empty strings. Now, Web Verifier returns an index based on the original list.

Example

```
list(0) =  
"Item 1"  
list(1) = ""  
list(2) =  
"Item 3"
```

If the user selects item 3, Web Verifier now returns 2 and not 1 as before.

Verifier and Web Verifier

- It is now possible to perform **Cut**, **Append**, and **Move** page actions on any type of file, the limitation to TIF documents has been eliminated.
- Changes to file handling have improved performance of **Cut**, **Append**, and **Move** page actions.

Runtime Server

- Access to remote RTS servers with the Runtime Service Management Console now requires the current user to be granted access on each remote server.

Designer and Runtime Server

- It was found that OCR on Demand (OoD) could result in OCR results inconsistent with project settings. This functionality has been removed. Any document which requires OCR data should be expressly OCR'd within the workflow.

WinWrap

- Scripting engine has been upgraded to WinWrap 10. Both new installations and upgrades will default to using WinWrap 10.
- Existing project scripts may **not** be compatible with WinWrap10. For instructions on how to revert to WinWrap 9, refer "Switching Between WinWrap Versions 9 and 10" in the WebCenter Forms Recognition Update Guide.

Apache log4net

- Forms Recognition is now integrated with Apache log4net 2.0.12.0.

Scripting

- The SCBCdrScriptModule script methods ReadZone and ReadZoneEx are no longer available. These can be replaced by the SCBCroZoneMethods script method Recognize.

Fixed Defects

This release includes the following fixed defects.

Designer

- Resolved an issue where it was possible to enter an invalid Class Name Format for an Associative Search Engine (ASE) field which in turn could result in errors in both training and script execution.
- Resolved an issue where training could be blocked when the option **Save Execution Results to Workdoc** was enabled.
- Resolved an issue where Designer stopped working when the user attempted to insert a multi-word phrase, where the first word included one or more special characters such as a hyphen, a forward slash, a parenthesis, a pipe symbol, or an exclamation mark, into a class that had the **Phrase Classify Engine** enabled.
- It is no longer possible to have a **Class** name which includes leading or trailing spaces. The user is blocked by an error message and the operation is cancelled.
- Enabling support for non-western characters could cause incorrect application of some **Ignore Characters** for **Format Analysis Engine** search strings. This issue has been resolved.
- Resolved an issue where it was possible to enter an invalid **Class Name Format** for an Associative Search Engine (ASE) field which in turn could result in errors in both training and script execution.
- Resolved an issue in which Unicode characters could be incorrectly saved when performing Extraction with Designer.

Runtime Server

- Resolved issue in which Runtime Server service may fail to start on reboot due to **Core Service** not completely started.
- Standardized handling of Unicode text by Advanced Line Analysis engine
- Resolved an issue where automatic restart settings could cause a large document to repeatedly fail in RTS import. Such documents are now correctly moved to a bad images folder.
- Resolved an issue where documents could not be imported if the filename contained Unicode characters.

Note: Earlier, the Runtime Server user interface replaces Unicode characters with '?'.
 The following table shows the mapping of the characters to the '?' characters.

- Resolved an issue in which **Batch Clean Up** based on **minimum age** failed to remove batches at the **Clean Up** input state which met this criterion. This was caused by many higher priority batches which were also at the Clean Up input state but failed to meet the minimum age criterion.
- Resolved an issue where appending documents with multiple RTS instances concurrently could result in corrupted batches.
- When importing from subdirectories, manually stopping the import instance could sometimes create batches at state 100 which would not be picked up for subsequent processing. This issue has been resolved.
- Resolved issue which could cause imported batches to be stuck at state 100. Issue could appear when importing from external batches submitted with OracleWFR API , when an Import instance was manually stopped or automatically restarted after importing the last document in an external batch.
- Resolved an issue which prevented the use of templates with fields assigned to the **Associative**

Search Engine (ASE). This applies to all three ASE core engine options: V2, V3, and Remote Matching Service.

Designer / Runtime Server

- Resolved an issue where filenames greater than 148 characters in length could cause batch corruption during processing. Files with such filenames are now blocked at import.
- **Activate support of non-western languages** in Designer enabled, the inclusion of certain symbols, such as ° or \$, as word segmentation characters could result in this character being appended to the previous word during extraction. This can result in discrepancies in word or candidate indexes at different stages of processing. These symbols now remain as single character words throughout processing, as is true for all other word segmentation characters.

Scripting

- An issue was introduced in scripting which prevented initial training to a manually selected Vendor class. This has been resolved.

Verifier

- Resolved issue in which column reordering caused incorrect tabbing order of table cells in Verifier.
- Resolved an issue where text cut from a table cell may have been inadvertently restored when navigating away from the cell.
- Resolved an issue where using the mouse wheel to navigate between table cells in Verifier could result in inconsistent display of cell contents.
- Resolved an issue where pressing **F8** did not update the value of the current field to that of the same field of the previously open document within that batch.
- Resolved an issue where incorrect table cell contents could be displayed in Verifier when inserting a row via script.
- The display of Supervised Learning options in the Verifier Options menu has been corrected.
- Resolved an issue in which a scripted update to a field text would not be correctly displayed in Verifier controls.

Web Verifier

- The behavior of list box, dropdown, and combo box controls on a user dialog created from script now matches the behavior in Verifier. Previously, Web Verifier returned the index of the selected item based on the displayed list, which removed all empty strings. Now, Web Verifier returns an index based on the original list.

Example:

```
list(0) = "Item 1" list(1) = ""
```

```
list(2) = "Item 3"
```

If the user selects item 3, Web Verifier now returns 2 and not 1 as before.

- Resolved a conflict with Windows OS on handling of **Alt+Tab** key combo.
- Resolved issue which caused certain document pages to be displayed in an incorrect rotation applied.
- Resolved an issue in Web Verifier client which could cause read-only form controls to become editable after batch validation.

- Resolved an internal crash caused by an inordinate large number of OCR Words and Lines on a single page. This crash would affect Web verifier and any other BIC application attempting to load the document.
- Resolved an issue where the cut function **Ctrl + X** did not work for mapped header fields and table cells.
- Resolved an issue where it was not possible to enter text into a field when the **Validation Type** was set to **List** and the **Allow List Values Only** option was selected.
- Resolved a memory leak issue that could occur when the RTS options **Convert image to display format after failed classification / Convert image to display format after failed extraction** were disabled.
- Resolved an issue where the mapping of a header field was removed along with the first character, leaving only the decimal point in the field when the value was replaced with a single character followed by a decimal point.
- Issue resolved where image modifications during verification in Web Verifier were not visible to the user. Note that image modification is only possible in Web Verifier if no display file has been created for that document, that is, the Convert image to display format after failed classification / Convert image to display format after failed extraction options in RTS Classify/Extract must be disabled.
- Resolved an issue where batch deletion was blocked for batches which included one or more documents which had been split using Web Verifier.
- Resolved an issue where append subsequent page reorder could result in corrupted document pages.
- Resolved an issue that occurred when a batch was opened using Chrome version 108.
- Resolved issue in which Web Verifier Client could lose user context and return 'Object reference not set to an instance of an object' error while processing documents.
- Resolved an issue which could incorrectly apply case-sensitive sorting to the Verifier batch list when using an Oracle database.

Runtime Server / Web Verifier

- Resolved an issue where the RTS instance stopped working when processing 8-bit per pixel grayscale images with the options Convert image to display format after failed classification / Convert image to display format after failed extraction enabled. The images were eventually sent to a failed state.

Runtime Server / Verifier

- Resolved an issue which could block the processing of more than approximately 2 billion documents.

OCR Processing

- Resolved an internal crash caused by an inordinate large number of OCR Words and Lines on a single page. This crash would affect Web Verifier and any other BIC application attempting to load the document.