precisely

EngageOne Enrichment

Version 7.4.3

Release Notes

EngageOne Enrichment is part of the EngageOne family of software. This release of Enrichment 7.4.3 contains new features, enhancements, fixes to certain reported issues and security updates. Software and associated documentation is provided as a download.

For the protection of our customers, Precisely does not disclose, discuss or confirm security issues. Keeping your software up to date is one of the most important things you can do to maintain your environment's security. Precisely strongly encourages customers to stay current by upgrading to the latest release for EngageOne Enrichment.

Contents:

Release content

Software and associated documentation are provided as a download. The products supplied to you from the downloaded release media will depend on the licenses you hold, and you will only be able to install products for which you have a valid license keycode. If you believe that you have not received the correct material, or keycodes please contact your product supplier.

Changes in this release

This release is an update to an earlier release and contains new features as listed below, and fixes to reported problems described in the **Fixed issues in this release** on page 6. Release updates are cumulative and incorporate changes from all previous releases.

Refer to **Added support** on page 10 and **Withdrawn support** on page 10 for detailed information.

Enhancements to the <THREADS> tag

PDF applications which generate multiple PDF output files will now see improvement when using <THREADS> INPUT or <THREADS> ALL, particularly those applications that use <DYNAFILE>.

Tags

The following new tag is available in this release:

Tag	Description
<CACHEPDFPAGES>	Specifies whether or not to cache PDF pages during processing.

System variables

No new system variables in this release.

Environment variables

The following new environment variable is available in this release:

Environment variable	Description
PBSSTTYALT	An alternative environment variable for storing the software key. This is used to facilitate upgrade testing.

Messages

The following new message is included in this release:

Message number	Message description
PDR3242S	A value other than YES or NO for the <CACHEPDFPAGES> tag was supplied. The invalid value is provided in the message.

Localization

EngageOne Enrichment is available in English only.

Security

Licensing

It is important to note that from EngageOne Enrichment v7.3.0 onwards new licensing is required. If you are upgrading from version 7.2.5 or earlier please contact **support** for assistance in obtaining a new license key.

Vulnerability scanning

In this release, security findings in Enrichment Editor identified through vulnerability scanning have been remediated.

Compatibility

This version of EngageOne Enrichment is compatible with Finalist 10.0, 9.22.0, 9.21.0 and all subsequent maintenance releases.

Documentation

The following manuals are available for Enrichment in PDF format. The **Enrichment support page** contains the most up-to-date documentation for this release.

Note that a subset of the documentation is also available as help.

EngageOne Enrichment Editor User Guide

How to use this web-based application to design and test Enrichment applications.

EngageOne Enrichment Developer Guide

Information on constructing an Enrichment application. Includes how to code some of the most commonly-used processes, such as adding barcodes, sorting and CASS processing.

EngageOne Enrichment Installation Guide

Installation instructions for all platforms (Windows, UNIX/Linux, and Mainframe).

EngageOne Enrichment Language Reference

Contains details of all the Enrichment tags, functions, and system variables.

EngageOne Enrichment Messages Reference

Comprehensive listing of all error messages.

EngageOne Enrichment PCE Migration Guide

How to migrate from DOC-1 PCE to Enrichment.

EngageOne Enrichment Reprint User Guide

How to use the reprint language.

EngageOne Enrichment Sample Applications Guide

Samples that explain how new features, tags, functions, variables and so on, can be used to create Enrichment applications.

EngageOne Enrichment Visual Engineer User Guide

How to use Visual Engineer to develop control files.

Customer Support

If you find that you require any assistance, then you can **contact our Support team** .

Supported Operating Systems

Refer to the EngageOne Enrichment Installation Guide for detailed information on supported operating systems.

Fixed issues in this release

This section describes the issues that are now been resolved with this release of the software.

Key	Summary
PRE-00516697	External fonts were not correctly embedded into the output file when adding text to PDF documents. **Resolution:** The underlying code responsible for this process is updated to ensure external fonts are correctly embedded.
PRE-00439019	Some Visual Studio runtimes were missing from the Enrichment engine installation. **Resolution:** The missing runtimes are now included in the installation.
PRE-00467581	PBSSTTYALT has been added as an alternative environment variable for storing the key. This is used to facilitate upgrade testing.
PRE-00513508	Enrichment can abend when processing large PDF files. **Resolution:** <CACHEPDFPAGES> has been added to limit memory usage for very large PDF files.
PRE-00516892	For the Graphic AFP viewer in Visual Engineer, some AFP files with vertical lines were rendered incorrectly, or could cause an abend.

Key	Summary
	Resolution: The underlying code responsible for this process is updated to ensure AFP files with vertical lines are rendered correctly.

Fixed issues in previous releases

Key	Summary
PRE-00446127	Using large PDF documents with the <REORDER> tag may cause an abend. The underlying code has been updated to resolve this issue.
PRE-00451259	Certain construction of control files, such as using `%%EMPTY_PAGE` or `<SMARTMCFS>` could cause memory to be wasted on z/OS. The underlying code has been updated to resolve this issue.
PRE-00436012	Enrichment applications that generated PDR2251W using a field name of longer than 24 characters may cause an abend. The underlying code has been updated to resolve this issue.
N/A	Enrichment PDF applications using `<DOC> BOOKMARK` could take an extremely long time for large files. The underlying code has been updated to resolve this issue.
PRE-00428749	**Visual Engineer** - this issue was observed when opening a PDF printstream as follows: 1. Open a PDF printstream and then close it. 2. The Visual Engineer application aborts when attempting to open any subsequent PDF printstream.
PRE-00429810	There was previously no mechanism to add on-demand overlays from outside the print file. For this reason, <RESOURCEINDIR> was created.
PRE-00432313	Text was not being added at the end of the PDF page structure and was made not visible by some PDF objects.
PRE-00436012	The Enrichment engine was issuing incorrect return codes when long field names were used under certain scenarios.
PRE-00437763	A performance degradation was experienced when using the <DYNAFILE> tag to split a file relative to the prior PDF solution.

Key	Summary
STREAMWEAVER-3416	When attempting to execute a search from the Enrichment Editor's dashboard, the logged-in user is logged out of the system.
STREAMWEAVER-3333	This issue was observed in Visual Engineer 7.4.0. The Graphic Viewer issued an "Error: 3" error when opening a password-protected PDF, despite the <PDFUSERPASSWORD> used in the <INPUT> tag.
STREAMWEAVER-3271	The Enrichment engine became unstable when processing certain AFP files. AFP files have MDR records in a resource environment group (BSG/ESG). The issue was observed when performing certain operations with fonts, for example, when using the <WINDOW> tag.
STREAMWEAVER-3263	An exception was thrown when using the <WINDOW> tag with equal X or Y coordinates. Enrichment was issuing a severe error, or became unstable if a <WINDOW> <FIELD> contained matching X or matching Y coordinates.
STREAMWEAVER-3236	Prior to version 7.4.0, there was an issue in the Enrichment licensing module, which infrequently caused Enrichment to become unstable on certain versions of Windows. Rerunning the application was successful. This issue is corrected in Enrichment version 7.4.0 and above.
STREAMWEAVER-2908	The <POSITION> tag using variables was not working for PDF output. <POSITION>. Variable handling has been updated to fix this issue.
STREAMWEAVER-2875	This issue was observed when identifying the top of document using <DOC> T variable CHANGE.
STREAMWEAVER-2870	Issues when replacing a field within the input tag group in PDF. The issue was fixed by replacing text that has a PDF transformation matrix applied to it.
STREAMWEAVER-2791	Streamweaver abends when processing long PCL records. PCL. The underlying code has been updated to correct this issue.
STREAMWEAVER-2520	Issue with the AFP Viewer in Visual Engineer using version Enrichment 7.2.5. An Alternate Graphic Viewer option has been added in the Environment dialog.

Release lifecycle

Release Version		Level of Support
EngageOne Enrichment 7.4.3	GA	Investigate, Troubleshoot issues, Provide workarounds, Regular patches, Vulnerability updates.
EngageOne Enrichment 7.4.2	GA - 1	Investigate, Troubleshoot issues, Critical security issue patches, Provide workarounds for non-critical issues.
EngageOne Enrichment 7.4.1	GA - 2	Troubleshoot issues, Investigate, Workarounds.
EngageOne Enrichment 7.4.0	All releases GA-3 and below	Knowledge base support only.

Advance retirement notice

No retirement notices in this release.

Added support

EngageOne Enrichment 7.4.2 onwards

- Windows 2022 Server
- Windows Server 2019

EngageOne Enrichment 7.4.0 onwards

- CentOS 7.7

Withdrawn support

From this release of EngageOne Enrichment
Support for 32-bit Enrichment, except for the z/OS version is withdrawn.

From EngageOne Enrichment 7.4.2
Support for Windows 2012 R2 is withdrawn.

From EngageOne Enrichment 7.4.1
Support for zLinux is withdrawn.

From EngageOne Enrichment 7.4.0
Support for the following operating systems are withdrawn:

- Microsoft Windows Server 2008
- RHEL 5+
- HP-UX 11.23 (PA-RISC)
- Solaris 9
- Solaris 10
- Aix 6.1

Note: Although you may continue to use the earlier operating system levels, support for these, including product fixes, is no longer available. We therefore, recommend your earliest migration to one of the current vendor supported levels listed below:

- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2016
- Microsoft Windows Server 2019
- Z/OS 2.2
- Z/OS 2.3
- RHEL 7.7
- HP-UX 11.31i (Itanium)
- SUN Solaris 11.4 on SPARC
- Aix 7.1

The following operating systems are retired from EngageOne Enrichment:

- Windows 7
- Suse Linux 10

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If you are reading this document in hard copy and want to send us feedback, you may email us at EngageOneInformationDevelopers@precisely.com with the subject line "Documentation Feedback" and including the document information below

Document Title::

Software Version:

Last updated date:

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