

eFLOW 5.3.1

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Note: These Release Notes contain only the most important information about eFLOW 5.3.1; it may happen that some of the fixed issues do not appear here.

eFLOW 5.3.1 requires eFLOW 5.2 SP1 or SP2. If you are using a version prior to 5.2 SP1, you must first uninstall the eFLOW platform and then install eFLOW 5.3.1.

The eFLOW 5.3.1 installation provides an upgrade to the eFLOW platform; OCR engines are not included.

Installation Instructions

The installation package can be downloaded from the TIS FTP site.

We recommend using the Installation Launcher to perform all the necessary upgrades.

Before performing the upgrade

- Backup all eFLOW databases.
- Backup the existing collections data.
- Backup your eFLOW applications.
- Stop the Autorun Station Starter service

Note: There can be an issue updating the Microsoft Visual C++ 2005 Redistributable if Windows Updates are not fully up to date. Please ensure all updates are fully applied, or perform the installation of the Redistributable manually prior to performing the installation.

Perform the upgrade

Important: eFLOW 5.3.1 is not supported with SQL2008. If you are using SQL2008, you should upgrade the database engine prior to performing the upgrade to a version of SQL2012 or above.

1. Install eFLOW 5.3.1.

eFLOW 5.3.1 is distributed as a full MSI installation package. It will either install eFLOW on clean machines or perform the upgrade on machines where eFLOW 5.2 SP1 or 5.2 SP2 is already installed.

Take care to check all the installation parameters and ensure they match your current configuration.

Use the same installation procedure for the clean installation and the upgrade. See the *Installation Procedure* topic in the *eFLOW Implementation Guide* for details.

2. Update the SQL databases.

All eFLOW databases will be upgraded automatically.

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3. Upgrade the eFLOW Web Stations.

The upgrade uninstalls the old version and installs the new one.

If the corresponding eFLOW web station was not previously installed on the current machine, the latest version will be installed.

The following web stations installations will be updated:

- Web Validate
- Web Front Office
- Web Scan

Improvements and changes

STS management: Load user and group information from *DomainSecurity.xml* only

A new parameter *Use Active Directory* was added to the *STSManagement.exe.config* file. When set to *True* (the default setting), user and group information is loaded only from *DomainSecurity.xml* (not from Active Directory).

This is for cases where the Active Directory tree is very large, which can result in a long delay in loading the user interface and can cause the STSManagement tool to crash.

Scan/Collect system performance

Measures were taken to improve system performance when uploading data to the eFLOW server.

Validate station configuration setting *Default Viewer Color*

A new setting *Default Viewer Color* is available in the Validate station configuration. When set to *True*, color JPG images are displayed by default instead of BW images. Previously, users had to manually switch from the default BW to the color image each time. This option can only be set to *True* if the *AllowSwitchToJpeg* option is also set to *True*.

API: *TiS.DataEntry.ApplicationServices.Navigation.Navigator*

Detailed debugging, logging and error handling was added to

TiS.DataEntry.ApplicationServices.Navigation.Navigator (Completion.ApplicationServices.dll) to aid in troubleshooting. Some formatting adjustments were also made for clarity (for example, brackets for *if* statements).

Resolved Issues

Core

Issue no.	Summary	Detailed information
31115	Learning database not updated after periods of inactivity in the Validate station	If the Validate station had not been used for some time, and then users started to work in it again, new learning data was not added to the Learning database.
33719	Installation Launcher: Error when changing Fuzzy Server path	An error was displayed after the user attempted to change the path to the TIS Fuzzy Server in the Installation Launcher.
34433	License issue: No error or warning when running station instances exceed the allowed license count	Stations were able to run even if the allowed number of licenses had been exceeded. No error or warning message was issued.
34861	Statistics: Source station not saved to the <i>eFlow_AuditCollectionsQueue</i> table when the station is Control	When the source station was Control, the <i>SourceStation</i> field was empty in the <i>eFlow_AuditCollections</i> table in the <i>Statistics</i> database.

API

Issue no.	Summary	Detailed information
33420	Locked collections released after saving changes to a collection	After saving changes in a collection, all locked collections except one were released. The issue occurred when the number of collections currently locked by the station was greater than the number of valid collections being saved.
34991	Exception in method <i>DeepCopyFormsTo</i> when splitting collections using the API	The exception <i>Failedto get entity [TIS.Core.Application.DataModel.Dynamic.TisFieldGroupData] indestination object</i> was raised when trying to split collections using the eFLOW API.

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Issue no.	Summary	Detailed information
32328	BayesLibrary: DLL gets stuck when processing specific data	When using the BayesLibrary, at some point the executable got stuck and did not finish processing all candidates.
33772	BayesLibrary: Confidence not 100% for exact match	When using the BayesLibrary, the confidence was not given as 100%, although there was an exact match.

OCR

Issue no.	Summary	Detailed information
29748	QualitySoft barcode not recognized	During recognition, a QualitySoft barcode was not recognized by the QualitySoft engine, even though the barcode had been recognized when testing the engine with the Engine Tester in eFLOW Design.
32023	Field recognition for inverted image fails (Abbey engine)	When using the Abbey engine, field recognition for an inverted image failed, even though it had succeeded when testing the engine with the Engine Tester in eFLOW Design.
33797	A2iA FieldReader amount not working in string mode	No results were returned when the <i>Extract Result</i> setting was set to <i>String (no voting)</i> in the A2iA FieldReader Engine Setup.
33919	Engine Tester crashes when testing OCE engine	If the OCE engine returned an error during testing, after running a second test, the Engine Tester crashed.

Control

Issue no.	Summary	Detailed information
33231	Control crashes sporadically	Control crashed sporadically with the error message <i>Cannot open database "Empty_Workflow" requested by the login. The login failed.</i>

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Issue no.	Summary	Detailed information
33749	Station name displayed instead of station caption	A station's <i>Name</i> was displayed in Control instead of the station <i>Caption</i> (as defined in the Design module).
34175	Prioritization menu items available for locked collections	It was possible to select the Prioritize and Restore priority menu items for a locked collection, even though selecting these menu items had no effect. The collection priority did not change, no message was displayed to the user, and no error or warning was included in the TIS log. The Prioritize and Restore priority menu items are now disabled for locked collections.

Collect

Issue no.	Summary	Detailed information
34378	No lookup tables after creation of Input form	After the creation of an Input form, no lookup tables were available in the station.

Scan

Issue no.	Summary	Detailed information
32391	JPG/TIF tab options not displayed after Dual Stream scan	After a Dual Stream scan, it was not possible to switch between TIF and JPG view.
34255	Station hangs after configuring related attachments	After configuring the scanner for Dual Stream scanning and checking the <i>Related attachments</i> check box, then attempting to scan some pages, the station stopped working.
34378	No lookup tables after creation of Input form	After the creation of an Input form, no lookup tables were available in the station.

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Recognize

Issue no.	Summary	Detailed information
23448	Custom activity DLLs in recognition workflow not exported to <i>Customization</i> folder	After adding a custom activity to the recognition workflow, you must open Design Flow, load the XAML file that uses the custom activity, and then save it again. After saving, the custom DLL is copied to the folder <i>C:\ProgramData\TIS\eflow 5\AppData\Server\[ApplicationName]\Setup\Customization</i> and can be exported to the CAB.
34087	Error message <i>Missing PRD</i> when running a Freedom script	When running a Freedom script and one of the pages was an attachment, the Recognize station displayed the error message <i>efProcessShell.exe, System.ArgumentNullException: Missing PRD - Freedom can't run without PRD Parameter name: PRD.</i>
34217	Error message <i>Not enough storage is available</i> during recognition	During recognition, the error message <i>Not enough storage is available to process this command</i> was displayed and no PRV was created for the failed collection.
34615	Forms order rearranged when running Recognize after Organize	When running a Recognize station after an Organize station, the order of the forms in the Organize station was not retained in the Recognize station.
35380	No message when license exceeded	The Integra, FieldOCR and PageOCR activities did not display an error message if the allowed number of licenses had been exceeded.

Organize

Issue no.	Summary	Detailed information
34275	Scanning pages not possible	When the user selected <i>Scan pages</i> in the Collections Tree View and then clicked the <i>Configure</i> button in the <i>Scan</i> dialog, an error message was displayed, and the station crashed on clicking <i>OK</i> .

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Issue no.	Summary	Detailed information
34869	<i>ShowInvalidOnlyAtStart</i> property not working	Unidentified forms were not regarded as invalid forms and were not displayed, even though the <i>ShowInvalidOnlyAtStart</i> property was set to <i>True</i> .
35607	Wrong OMR order for fields	After setting an EFI in specific application, for some fields the OMR order was wrong.

Validate

Issue no.	Summary	Detailed information
29967	Autofill of values that are not in the lookup table	When using SQL lookups, after the user entered a character in a field, the field was automatically filled with an irrelevant value that was not available in the lookup table.
31336	Validate crashes after layout is changed	The Validate station crashed when getting a collection after a layout was changed.
31473	Collections locked for a long time after discarding	Collections were locked for a long time after the user discarded them, but were released immediately when the station was closed.
33884	Changed page order not reflected in image viewer	When the user changed the page order in the <i>Forms navigation</i> window, the change was not reflected in the image viewer.
34689	Validate crashes when multiple users open station with same layout	When multiple users tried to open the Validate station with the same layout, the layout file was locked, and the station crashed.
34944	AutoComplete lookups do not display full list after value is deleted	When the user cleared a field value by pressing BACKSPACE or DELETE, the first item in the lookup list was entered in the field, preventing the user from selecting a new value from the list. The list now remains open when the user deletes the value.

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Issue no.	Summary	Detailed information
35039	Zoom level changes while paging through images	When the user paged through the images using the PGDN and PGUP keys, the zoom level sometimes changed from one page to the next.
35497	Layout check mark positioned above layout name	In the <i>Current layout</i> selection list, the check mark indicating the currently selected layout was positioned above the layout name instead of next to the name.

Web Validate / Web Scan / Web Front Office

Issue no.	Summary	Detailed information
31035	Web Validate: User tags cannot be accessed on form	When user tags were available at form level, in a collection with two forms, the user tags could only be accessed for one of the forms; the tags were empty on the second form.
32044	Web Validate: No error displayed when two collections are locked	When the <i>MaxWorkUnit</i> property was set to 2, and two collections were locked, Web Validate failed to issue an error message if there was an error in the second collection.
32155	Web Validate: Panel size reset after every collection	The panel size was reset after every collection, so any changes the user had made to the panel size were discarded.
33736	Web Scan: <i>Reset configuration</i> button not working	When the user pressed the <i>Reset</i> button in the Web Scan configuration, Web Scan attempted to scan instead of resetting the configuration.
34941	Web Validate: Field contents change automatically when working with multi-column lookups	In the second column of a multi-column lookup, the first character recognized in the Recognize station was automatically removed.
35688	Web Valdiate: Direct login to specific collection not working correctly	When the <i>allowDirectLoginToStation</i> parameter was set to <i>True</i> in the <i>Web.config</i> file, clicking the direct login link opened the application, but got the first collection in the queue instead of the current collection.

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Issue no.	Summary	Detailed information
35870	Web Validate: Layout does not load	After opening the Web Validate station, the layout failed to load and the error message <i>Next from does not have layouts</i> was displayed.

Escalate

Issue no.	Summary	Detailed information
35516	Not possible to put batch after exceptions cleared	After removing all exception flags, it was not possible to put the batch. The <i>Put</i> button was disabled and pressing ENTER or the shortcut key had no effect.

Tile

Issue no.	Summary	Detailed information
31313	<i>Out of memory</i> error in image viewer	Due to a known issue in the Windows Presentation Foundation, the station crashed with an <i>Out of memory</i> error after the user had been paging through the images in the image viewer. This issue was fixed by implementing a known MicroSoft workaround.

Deliver / Deliver2ERP

Issue no.	Summary	Detailed information
33941	Deliver2ERP: Process continues after the station is closed or autorun is disabled	After closing the Deliver2ERP station, the process continued to run for a while (green light indicator in Control and the license count stayed the same). This also happened when the station was running as an autorun station and autorun stations were then disabled.

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Launch / LaunchPro

Issue no.	Summary	Detailed information
30389	Launch: Stations displayed in random order	Stations are now displayed by name in alphabetical order in eFLOW Launch.
31840	LaunchPro: Administrate and Configure not accessible when no application is available	The modules Administrate and Configure are now available in the LaunchPro <i>Tools</i> menu even if no eFLOW application is available.
31856	Launch: No caption for Collect and Scan stations	The station caption is now displayed in addition to an icon for the Scan and Collect stations in eFLOW Launch.
33305	Launch: Build Free displayed	The Build Free station was displayed in eFLOW Launch. It is now only displayed in eFLOW Launch Pro.

Design Smart

Issue no.	Summary	Detailed information
35522	Progress bar does not reflect true progress of the training process	When training with a large number of images, the progress bar did not reflect the real progress of the training process. The progress bar now correctly shows progress in relation to the number of images to be processed.
35577	Settings not saved when saving to file.	After making changes, the changes were not retained after saving to an <i>.mdl</i> file.
35630	Images not displayed when Document Type is Page.	When the <i>Document Type</i> setting was set to <i>Page</i> , images were not displayed in the image viewer.

Additional hot fixes

The following hot fixes have been released by TIS, however, they are not included in eFLOW 5.3.1. If you have already deployed these hot fixes on your system, you should re-deploy them after installing 5.3.1.

Issue no.	Description
36313	Validate: The shortcut Ctrl+U, which displays a popup that allows the user to navigate to another page, caused the station to crash.
34964	Validate: Memory leak when using OMR and JPGs. The memory continually increased and was not released, which in certain cases resulted in an error.
36096	Auto run stations defined on a secondary node did not start as expected.
36556	Organize: After splitting collections using code (Collection Organizer API), sometimes the split collections have no attachments.
36572	Freedom: When changing the weight PC for a table, an error appeared in the logger when running the Recognize station.
36768 34215	Organize: The station crashed when an EFI was set. The properties <i>AllowPagesWithoutEFI</i> and <i>DisplayOnlyPagesWithoutEFI</i> were reintroduced to the station settings.
37063	Scan, Collect, Validate and Organize: Performance of the image viewer was slow when navigating between pages.
37311	Design and Design Free: After disabling TLS 1.0, and allowing only TLS 1.1 and TLS 1.2 as communication protocols, the Design and Design Free modules failed to launch.