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Version 5.4.0

ibml Capture Suite
Release Notes

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User Interface Supports: English, German, French, and Spanish.

Minimum Base Software Versions	Minimum Feature/Option Related Software Versions

• Minimum ibml Scanner Manager version 7.1.0 or greater
• Minimum TWAIN Manager version 6.8.0 or greater
	• Minimum ibml Image Quality Analysis Service (IQAS) version 1.1.0
	• Minimum DocNetics 5.8.0 or greater
	  • ICR: Version 20.4
	  • IBR: Version 2018.4.5895; SDK 5.1.2
	  • IDR (DocType): Version 4.4.0.35776
	• Minimum Legacy DIRU version 2.1.1 or greater

*See Enhancements table below for any additional minimum version requirements.

This release was tested with the following Operating Systems:

• Windows 10 22H2 Build 19045.2728 • Security Updates (Microsoft KB numbers) tested with this release; KB5020372; KB5021089; KB890830; KB5020872; KB5021233; KB5020372	• Windows 11 Pro 21H2 Build 22000 • Security Updates (Microsoft KB numbers) tested with this release; KB5007651; KB5028182; KB890830; KB5028319.	• Windows Server 2022 Standard 22H2 Build 50348 • Security Updates (Microsoft KB numbers) tested with this release; KB5014353; KB5021124.
• Windows Server 2019 • Security Updates (Microsoft KB numbers) tested with this release; KB4589208; KB502885; KB890830; KB5028168; KB5028316.	• Windows Server 2016 • Security Updates (Microsoft KB numbers) tested with this release; KB5028854; KB4589210; KB5028169; KB890830.	• Windows Server 2012 • Security Updates (Microsoft KB numbers) tested with this release; KB5021129; KB5028228; KB5003279; KB5027574; KB5025285; KB890830;.

* KB numbers included are obtained from Microsoft using Microsoft Update. This list may not represent what Microsoft Update installs for your host computer. Reference Microsoft Windows release health information - United States; United Kingdom; Deutsch; Espanõl

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Notices or Considerations

- **When a job is configured to use the "Remote document scanning mode" using the Batch Upload application**, it is critical to ensure that all batches scanned in the previous version have completed the upload process ***before*** beginning the installation of a new ibml Capture Suite version. Failure to do so may cause data inconsistencies or errors after the upgrade.
- **FoxIt PDF Compressor install or upgrades:** If a reboot is pending on the computer for any reason, such as a previous installation, you must first restart the system **before** running Setup.
  - If after an install or upgrade, the PDF Output (PostScan Processing) does not produce files, this may be due to an undetected pending reboot on the computer. To address this, reboot the computer then reinstall Capture Suite installer.
- **For PostScan Processing:** What solution is needed when the following message is displayed, "`[Error] System.InvalidOperationException: The 'Microsoft.ACE.OLEDB.12.0' provider is not registered on the local machine.`"
  - Install the `AccessDatabaseEngine.exe` that is provided along with the Capture Suite installation files.
  - This must be installed on all computers using PostScan Processes.

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Enhancements

The following enhancements were made in this release:

Name	Module Name	Changes Minimum Version Requirements	Internal ibml Number
Updated DevExpress to 23.1.5	ibml Capture Suite		62028; 63358
Updated SQL ODBC driver to 17.10.15.1	ibml Capture Suite		64668
Upgraded .NET Framework to version 4.8.	ibml Capture Suite		62028
Update to Microsoft Visual C++ Redistributable Package (x64) 14.38.33130	ibml Capture Suite		63361
You can copy multiple configurations in the Scanner-To-Job List and paste them into other jobs. You can also remove multiple configurations at the same time.	Job Setup		62270
New option for the Image Insert process that allows rear camera images to be inserted in addition to front camera images.	Job Setup		62534
Both supported and unsupported files that attempt to import from a watch folder are now logged in an audit trail.	Job Setup		63234
You can now assign color highlighting to Batch Statuses in Job Setup to be displayed in Admin Console on the Batch Admin tab.	Job Setup; Admin Console		62533

Name	Module Name	Changes Minimum Version Requirements	Internal ibml Number
The rename shortcut key options that are configured in Job Setup to be used in Validation Client and Quality Control Client are now available for Scan Client.	Job Setup; Scan Client		62149
The Job Setup wizard for TWAIN/ISIS scanners has new image options: Color PNG and GrayScale PNG. Also, if a job is selected in Scan Client with FADGI compliance options enabled, the operator is required to run the test prior to scanning.	Job Setup; Scan Client		49507
New option for Validation index fields called "Retain Index Field Data during Batch Reprocessing." With this new option, you can now keep your data from index fields in document and transaction job objects intact when reprocessing a batch. This enhancement eliminates the need for Validation Client operators to re-enter data that remains unchanged during batch reprocessing, resulting in a more efficient and time-saving process.	Job Setup; Validation Client		62324
A new option in Job Setup allows validation ICR text index fields to populate if the value fails the mask, but passes a set minimum string confidence.	Job Setup; Validation Client		62959
Added the flexibility to seamlessly switch between scanning on a FUSiON, ImageTrac 6000 version 2 scanners to scanning on a TWAIN device within a single batch. Added a TWAIN mode button to the "Home" ribbon bar in Scan Client. This TWAIN mode is not available until at least one TWAIN device is installed on the host computer. Notice: This feature does not use ibml's ScanDS or "TwainServer" solution.	Scan Client		63220
Options added to Data Display for batch input, custom keywords, and internal keywords.	Scan Client		62535

Name	Module Name	Changes Minimum Version Requirements	Internal ibml Number
When a FADGI test is successful on the Front camera, Capture Suite will automatically switch to the Rear camera.	Scan Client; Quality Control Client		54164
When importing images, import multiple image format types at the same type by selecting "All Files" in the "Open" dialog.	Scan Client; Quality Control Client		62153
Added TWAIN/ISIS and FADGI Support for auto document feeder and flatbed scanning.	Scan Client; Quality Control Client; Analytics		64561

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Defects and Issues

The following issues were corrected or addressed in this release:

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Case Number (if applicable)	Internal ibml Number	iCS Module	Defect Description	Fix
	63655	Scan Client; Remote Scanning; Batch Upload	Issue: When upgrading ibml Capture Suite to versions 5.3.0 or higher with cached remote batches that have not yet been uploaded, users may encounter issues. • **Workaround 1:** Before upgrading ibml Cloud Capture to version 5.3.0 or higher, ensure all cached remote batches that have not yet been uploaded are uploaded. Note: If cached batches exist during the upgrade, manual file adjustments may be required for the new directory structure. • **Workaround 2:** If cached batches are from a test environment and automatic cleanup fails, manually remove batch records from `ProgramData\ibml\OfflineBatches` subdirectories: `Complete`, `Errors`, `Progress`, and `Transferring`. • **Workaround 3:** For cached batches from a production environment, manual file adjustments may be necessary to preserve them if automatic cleanup fails. Move any files to the new structure that were not moved during automatic cleanup. After upgrading, the new structure is: `'C:\ProgramData\ibml\OfflineBatches\Batches\[environment name]'` where the environment name is the database connection name. • **Important:** Make sure neither the Scan Client nor the Batch Upload application is running when performing manual file manipulations in offline batches. • The following is what was changed in version 5.3.0, reference the 5.3.0 release note for more information or the "Remote Document Scanning Mode" topic in the Job Setup help file. • **Change in Behavior in version 5.3.0:** when using mul-	Issue addressed

Case Number (if applicable)	Internal ibml Number	iCS Module	Defect Description	Fix
			tiple configuration database environments, each environment now has its own directory structure for locally cached files. • When the 'Getting Started' dialog appears in Scan Client, it will search for old records that lack environment names and update them to the new structure. To prevent duplicate batch names, a unique environment name will be used for this cleanup. Records without an environment subfolder will be moved to one named "PreEnvironmentUpgrade." • **Important Note:** This cleanup process is only applied once, the first time you launch Scan Client after this software update. Please launch Scan Client first; launching the Batch Upload application manually before Scan Client may result in errors.	
	64422	Job Setup	In the PostScan Image Insert process, the "Inserted Image Job Object Item" selected drop-down value does not persist through job export or import.	Issue corrected
00174356	64541	Client Reports	The "PostScan Output Summary" report is incorrect when a "Copy" Image Manipulation process is configured as the second processing task.	Issue corrected
00174234	64547	Auto Import	Importing a folder that includes files not specified in the job configuration, such as trying to import PDF files when the job is configured for TIFF and JPEG only with the "Archive Unsupported File Types" option enabled, results in the creation of an empty batch.	Issue corrected

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Case Number (if applicable)	Internal ibml Number	iCS Module	Defect Description	Fix
00174268	64548	PostScan Process	When a job has a Postscan Connector configured using "OutputImageCount_BatchTotal" keyword, the qualifier is not reporting a correct value.	Issue corrected
	64583	Client Reports	The "PostScan Output Summary by Job" displays a file not found error, "Could not find the report file for the selected report - [path of the report resource file]".	Issue corrected
	64624	Scan Client	The "dbo.DocTable.IsCoupon" field is incorrectly set to 1 when processing jobs that are not configured as a "lockbox jobs" and also lack ICR or MICR+ICR properties.	Issue corrected
00175181	64644	Remote Scanning; Fine Sort	Job configured for Remote Scanning and Fine Sort: Users may encounter inaccuracies in the Fine Sort alert dialog, especially after a document jam. The "Next 50 Documents" list dialog may display incorrect entries because the list picks up in the middle of the data match file rather than from the beginning during any pass after the first pass.	Issue corrected
00175544	64715	Auto Import	When compressed files are imported and the 'Archive Unsupported File Types' option is enabled, unsupported files are not removed from the configured watch folder.	Issue corrected

Case Number (if applicable)	Internal ibml Number	iCS Module	Defect Description	Fix
00170256	64742	Scan Client	When attempting to reopen a batch after a Custom Keyword has been disassociated from the original job, Scan Client closes (as designed) but inadvertently deletes the batch. • Change in Behavior: Scan Client displays a 'missing keyword' message, preventing an error state before the batch tree is built and thereby avoiding an empty batch scenario. • Note: If configurations for key components used to create the batch, such as custom keywords, are changed or removed after the batch has been created, Scan Client is designed not to reopen the previously scanned batch.	Issue corrected; Documentation Updated
00176618	64998	Scan Client	If a document is deleted after a transaction and the user then uses hand-feed to scan, the rear camera image is not displayed in the image viewer.	Issue corrected
00170804	65477	Remote Scanning; Batch Upload	When Remote Scanning is enabled and a transaction object is selected from the Scan Client tree, no thumbnails are displayed.	Issue corrected
00178463	65626	Document Processor	Changed the order of operations for the document transition rule so the document type is set properly.	Issue corrected
00179115	65769	Analytics Scheduler	Scheduled alerts are not running as expected.	Issue corrected
00177760	66054	ibml Console	An error was identified in the Japanese translation of the ibml Console.	Issue corrected

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Case Number (if applicable)	Internal ibml Number	iCS Module	Defect Description	Fix
00181088	66069	Admin Console	When attempting to restore a batch, the error message "There was a problem restoring the batch" is displayed. The subsequent lines indicate a conflict caused by database foreign key constraints.	Issue corrected
00177760	66072	Scan Client	An error was identified in the Japanese translation of the "Daily Maintenance" message.	Issue corrected
00177760	66074	Scan Client; Quality Control Client	An error was identified in the Japanese translation of the user interface button "Rotate Left Image."	Issue corrected
00177760	66076	Scan Client	An error was identified in the Japanese translation of the Inkjet and Objects Gallery buttons.	Issue corrected
00181085	66117	Job Setup	When saving Validation Configuration, the path to the Access database file does not persist.	Issue corrected
00182043	66324	Analytics	Reported issue: Analytics prompts the user to update the database if the version does not match the most recent recorded in the "AnalyticsVersion" table. • Change in Behavior: This intentional prompt has been removed in this version. • Notice: Several Analytics versions pointing to the same database carries a slight risk, but it may still function. If the database changes from a newer version of Analytics are not compatible with the older version, the user may still receive errors.	Issue addressed

Case Number (if applicable)	Internal ibml Number	iCS Module	Defect Description	Fix
00183670	66710	Scan Client	When a date violates the date range warning for a job configured with a Date/Time batch input date parameter in Scan Client, the alert dialog displays the incorrect "Override Alerts in Current Transaction" option. • Change in Behavior: If the current job has batch input configured for a date/time field and the 'Override Batch Input Date' permission is granted for Scan Client, the value can be overridden by enabling the 'Override Batch Input Date' check box in the alert dialog.	Issue corrected; Documentation Updated
	66711	Admin Console; Scan Client	Added new permission for Scan Client that, if granted, allows an operator to override a date value from a configured batch input parameter's date range warning.	Documentation Updated
	66924	Quality Control Job Setup; Quality Control Client	When utilizing the Quality Control Job Setup job option "Clear flag for documents that have been reviewed", flags are erroneously cleared when the batch is closed in Quality Control Client, even if the flagged document has been explicitly marked as 'Unreviewed.'	Issue corrected
00184777	66946	Quality Control Client	When a Quality Control Client user flags an item in the tree, and subsequently rescans it, the flag is promptly cleared in the tree and the database (docstatus). However, despite this correction, the flagged status persists incorrectly in the notification pane. Additionally, upon closing the batch, the database incorrectly reverts to the document's previous flag state, resulting in the document being flagged again.	Issue corrected

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Case Number (if applicable)	Internal ibml Number	iCS Module	Defect Description	Fix
	66964	Database Scripts; Legacy Updates	Database scripts for creating a new Legacy SoftTrac database had a column size mismatch between Capture Suite's "DocNet-ics_ICR" [ReadValue] and Legacy's "RecoSvr_Data" [ICR_Data], leading to software crashes.	Issue corrected
00185812	67030	Scan Client	On systems with a single Ultrasonic Double Detect (UDD) sensor, if an item is paused due to double detection but the 'document information two' sensor (DocInfo2) is not covered, the UDD recovery dialog fails to display.	Issue corrected
	67033	Job Setup; Scan Client	When mask tables are used, barcode alerts do not function.	Issue corrected
	67051	Image Manip-ulation	Jobs configured with image manipulation may experience slower processing of TIFF images compared to JPEG images during auto-orientation. • Change in Behavior: Implemented a behavior change to pre-vent unnecessary processing of additional images during the post-scan processing Auto Orient step, resulting in increased processing efficiency.	Issue addressed
	67175	Job Setup	Mask tables fail to import when associated with barcode alerts.	Issue corrected

Case Number (if applicable)	Internal ibml Number	iCS Module	Defect Description	Fix
	67180	Scan Client; PostScan Process	Keyword [BaseDirectory] returns an empty result. • Behavior clarification: This keyword returns the directory one level above the directory as [BatchDirectory]. Important: The keyword [BaseDirectory] cannot be used in combination with [BatchDirectory] as both results start at the root of the "batch image directory" defined in the job.	Issue corrected
	67246	Connector Setup	The tree buttons in Connector Setup for the File Output job type allowing the adding of entries is not visible. The tool tip text and button highlight on hover does not appear either.	Issue corrected
	67256	Scan Client	Data Display Option: Once scanning has begun, the configured batch input data is no longer displayed. Check Count, a custom keyword counter, does not increment.	Issue corrected
	67306	Validation Client	A transaction field that has the option to display in the tree causes an error when sorting by that column in the tree.	Issue corrected
	67394	Remote Scan-ning; Batch Input	When processing a job with the "Display Batch Input" and "Remote Document Scanning Mode" job options enabled, users encounter an issue where the last value does not display in a Batch Input definition configured with the "Remember Last Value" option set to True.	Issue corrected
	67447	Job Setup	The 'wand' icon, which launches the RecoStar Wizard, does not appear on the button within the 'Advanced Validation Settings' dialog, which is accessed via the Validation tile in PostScan Setup.	Issue corrected

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Known Issues

We are aware of the following issues and are either working to correct them or, for some items, serves as work around solutions. We apologize for the inconvenience. If you have an issue that is not listed, please contact us. Help desk information can be found at http://www.imagetracsupport.com

Case Number (if applicable)	Internal ibml Number	SCS Module	Description
	67516	Quality Control Job Setup	Reported Issue: When using a batch filter in a Quality Control Job Setup job that filters for "every Nth" batch to send for Quality Control Client review, the "every Nth" filter is ignored.
	67472	Scan Client	Reported Issue: "Error TranslateKeywords() : Keyword Not Found" after running 'small' batches where the error is displayed after an auto-batch event.
	63553	Scan Client	Reported Issue: When the keyboard command CTRL + N is pressed for a new batch using a job with batch input enabled, Scan Client displays "Waiting for Disconnect."

Case Number (if applicable)	Internal ibml Number	SCS Module	Description
	58439	Microsoft Windows 11	Reported Issue: In Windows 11 (22H2) file, folder, and storage - The Browse Dialog only displaying the Desktop folder and does not allow access to any folder outside of the Desktop. • **Workaround**: From Microsoft - OneDrive seems to be the culprit. The workaround is to stop syncing your Desktop folder with OneDrive. • **Important**: Before proceeding, copy the files in those special folders to another folder or external drive. Please don't copy them anywhere under Desktop, Documents or Pictures. This is because disabling OneDrive backup for a folder erases the local copies of the files. Copying them to a different location beforehand will ensure that you don't need to download them again from the OneDrive cloud. • https://answers.microsoft.com/en-us/windows/forum/all/windows-11-browse-for-folder-dialog-issue-only/0a0ce0a5-0a72-4483-a51e-1b3ee9dffcdb • https://blogs.windows.com/windows-insider/2022/12/14/announcing-windows-11-insider-preview-build-25267/ 1. Right-click the OneDrive icon in the Notification area and click Settings. 2. Select the Backup tab, and click Manage Backup 3. In the Manage folder backup dialog, click on the Stop backup link for "Desktop" 4. Click Stop backup in the confirmation dialog that appears.
	57433	Lockbox Processing	Reported Issue: Unable to hand feed into a lockbox configuration on an ImageTracDS scanner after a batch has been previously scanned in Scan Client.
	48362	Auto Import; Job Setup; Scan Client; Dispatcher Services	Known Issue: When an older version of ibml Capture Suite is used to connect to a version 5.0.0 database or later, an "Invalid Operation Exception" or similar error is displayed. This is a result of configuring a PNG image in Auto Import and occurs when any older version of an ibml Capture Suite application or process loads the job; such as Scan Client, Job Setup, and the PostScan Dispatcher Service.

Case Number (if applicable)	Internal ibml Number	SCS Module	Description
		PostScan Process	If using PostScan Services prior to ibml Capture Suite version 2.8.0 and wanting to upgrade to any 2.8.0 version or later, all computers running PostScan Services (Dispatcher and/or PostScan Client) must also be upgraded.
	24613	ibml Capture Suite	On a Windows 10 host, the ibml Capture Suite installer is not installing the required .NET Framework causing Job Setup to display a Unhandled Exception error. This occurs when the ASP.NET feature is disabled in Windows Features. Enable ASP.NET: 1. On the **Start** page, choose **Control Panel**, and then choose **Programs**. 2. Under **Programs and Features**, choose **Turn Windows features on or off**. • The Windows features dialog box appears. 3. Expand the root-level item **.NET Framework 4.7 Advanced Services** (for Windows 10), and then do the following: 4. Select **ASP.NET 4.7** (for Windows 10). 5. Reboot the Host PC 6. Run the ibml Capture Suite installer using the repair option.
	24460	Legacy	Unable to install Legacy Image DocType Recognition on a Windows 10 host.

Case Number (if applicable)	Internal ibml Number	SCS Module	Description
	26336	PostScan Process	Reported Issue: When using one of the following keywords as part of the destination file path **without** the standard use of brackets [ ] surrounding the keyword, results in an incorrect output destination path. • PostScanTransactionSequence0 • PostScanTransactionSequence1 • TransactionItemSequence0 • TransactionItemSequence1 • TransactionImageSequence0 • TransactionImageSequence1 • ItemImageSequence0 • ItemImageSequence1 • ImageSequence0 • ImageSequence1

‡Denotes that at the time of publication, the issue has been assigned to the next release cycle or next patch release cycle. All issues on the Known Issues list are subject to change without prior notice.

Database Changes

text = new or changed

Configuration Database Schema Comparison Table

- Primary database: Version 5.3.0
- Comparison database: Version 5.4.0

Item type	Version 5.3.0	Version 5.4.0

Table	dbo.JobPostScanImageOverlayDefinitions	dbo.JobPostScanImageOverlayDefinitions
Column		dbo.JobPostScanImageOverlayDefinitions.TextColor int NOT NULL default '0'
Table	dbo.status	dbo.status
Column		dbo.status.EnableColorHighlighting bit NOT NULL default (0)
Column		dbo.status.ColorHighlightingValue int NULL
Table	dbo.ValidationJobSettings	dbo.ValidationJobSettings
Column		dbo.ValidationJobSettings.PreserveValidationData bit NOT NULL default (0)

Data Database Schema Comparison Table

- Primary database: Version 5.3.0
- Comparison database: Version 5.4.0

Item type	Version 5.3.0	Version 5.4.0
Table	dbo.ApplicationLogTable	dbo.ApplicationLogTable
Column		dbo.ApplicationLogTable."Value" nvarchar(50) NULL
Table		dbo.AutoImportAuditLog
Table	dbo.FADGITests	dbo.FADGITests
Column		dbo.FADGITests.FlatbedResult int NULL

Notes:
- **Reference** "Rolling Back Installs" in the Getting Started manual for information on rolling back to a previous installed version.
- Code signing: binary files installed are digitally signed as ibml, Microsoft, or DevExpress.