

# Brainware Intelligent Capture

## Release Notes

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## Brainware Intelligent Capture 5.9.1 Release (July 2019)

This release includes the following versions.

- Brainware Intelligent Capture 5.9.1

### New Features

This release provides the following new features.

#### Project Merge Tool

- The new Project Merge Tool (PMT) allows multiple users to work independently on separate copies of a project file.

Users can then merge project objects, such as classes, into one project.

For more information, see the *Brainware Intelligent Capture Tools Help*.

### Enhancements

This release provides the following enhancements.

#### PDF export

- By default, BIC now exports PDF files in PDF/A-2B format.

To enable the export in PDF 1.7 format instead, the new named property `ExportPdfVersion` was introduced to be used in scripts.

For more information, see "ExportPdfVersion" in the *Brainware Intelligent Capture Scripting Help*.

#### Document Filters

- BIC now integrates Document Filters 11.4.0.3054, which provides several updates and enhancements.

For more information, see "Document Filters 11.4 Build 3054 (November 2018)" in the *Document Filters Release Notes*.

#### Security

- To improve authentication security, two new hashing algorithms, based on SHA-256 and SHA-512, have replaced the previous algorithm based on MD-5.

**Note:**

The database update script defaults the hashing algorithm to SHA-256.

Existing MD-5 hashed credentials stored in the database are rehashed using a SHA-256 based algorithm.

For more information see "About password encryption" in the *Brainware Intelligent Capture Installation Guide*.

**Note:** The hashing algorithms in BIC 5.9.1 are not compatible with **Solution Configuration Manager 1.2 or earlier** nor with the **Remote Matching Service 1.0** authentication option "Intelligent Capture".

- Support for RSA key length 3072 has been introduced to improve the security of encrypted passwords used for database and SAP connection strings.

While RSA-1024 encryption is still supported, RSA-3072 is now the default and recommended encryption method.

For more information, see "Encrypt a password for a database connection string" in the *Brainware Intelligent Capture Installation Guide*, and "Password encryption for database connection strings" in the *Brainware Intelligent Capture Scripting Help*.

## Web Verifier

- The time required to load a project on starting Web Verifier is considerably reduced.

## Fixed defects

This release includes the following fixed defects.

### BIC

- **TFS 24756:** Resolved an issue where BIC applications, such as Verifier, may have stopped working sporadically on specific builds of Windows 10.

### Designer

- **TFS 24491:** Resolved an issue where, after deleting a base document class from a *Brainware for Invoices* or *Brainware for Transcripts* project, one random class was deleted while one of the remaining classes was listed twice after closing and reopening the project.
- **TFS 24692 / Support case ID 1212735:** Resolved an issue where, under certain circumstances, the project file size increased by about 100 KB each time the project was saved.

### Runtime Server

- **TFS 22338:** Resolved an issue where the region specified for the **Subsequent** page was applied to the **First** page of any document with 2 or more pages.

This issue occurred when the **Format Analysis Engine** page restriction was active for the **Subsequent** page, but not for the **First** page.

When both the **First** page and **Subsequent** page options were active, the correct regions were applied.

- **TFS 23941:** Resolved an issue where Runtime Server stopped working when the Format Analysis Engine settings included the string "%n".

This happened in all of the following cases.

- The string was entered as a **Format String** (for any available **Compare Method**) or as a **Prefix, Suffix** or **Ignore Characters**.
- Any string which contained '%' and 'n' separated by 0 or more digits, such as %n, 2%n0, or %1234567890n.
- The strings appeared in separate, subsequent settings, for example, if two subsequent **Format Strings** were '%123' and '456n'.

## Database

- **TFS 23689 / Support case ID 1128678:** Resolved the following issues that occurred when an Oracle database was upgraded to BIC 5.9.
  - Users could no longer login to Designer, Verifier, and Thick Verifier.
  - Runtime Server was not able to perform Security Update.
  - Designer could not export users to the database.

The following or similar errors could be seen in the Designer, Runtime Server, Verifier, and Web Verifier log files.

- The property 'FirstName' cannot be set to a null value.
- The property 'Email' cannot be set to a null value.
- `Brainware.System.DAL.DAException ---> The property 'FirstName' cannot be set to a null value.`
- **TFS 24076:** Resolved an issue where the SQL Server stored procedure `sp_CleanupObsoleteData` incorrectly calculated the batch age.

## Verifier

- **TFS 24519:** Resolved an issue where the Administrator user could not log on to Verifier after the default Administrator password was changed from blank to a string.

## Web Verifier

- **TFS 23356 / Support case ID 1041643:** Resolved an issue where the user could not click the **OK** and **Cancel** buttons in the dialog box because of lengthy button text which overlapped on the button areas.
- **TFS 23693:** Resolved an issue where the user had to click the **Cancel** button twice to close the dialog box because validations for multiple fields was erroneously triggered.

- **TFS 24205 / Support case IDs 1176370 and 1198619:** Resolved an issue where all Web Verifier users experienced the error **Request timed out** and were unable to use Web Verifier.

**Note:**

See also "Log in using Windows authentication" in the *Brainware Intelligent Capture Web Verifier Help*.

## VMware

- **TFS 24761 / Support case ID 1277549:** Resolved an issue where, after upgrading to **VMware Tools 10.3.0**, all new documents failed to import and were moved into the *Bad Images* directory. Furthermore, users were unable to display images in Web Verifier.

## BIC Patch Release Updates

This section contains information on the patch releases of BIC 5.9.1 and their updates.

Date	Build	Description	Folder Name
4-Apr-23	5930	This patch allows for the processing of 8bpp grayscale images.	Brainware_Intelligent_Capture_V591_Hot_Patch_Build_5930.zip
7-Dec-22	5929	This patch includes all fixes from 5928 and allows for usage of Chrome version 108 and later.	Brainware_Intelligent_Capture_V591_Hot_Patch_Build_5929.zip
14-Mar-22	5928	This patch restores the correct behavior in WVC of Batch Release dialog options (issues present in 5923 and previous Hot Patch 5927) as well as text box focus within custom dialogs.	Brainware_Intelligent_Capture_V591_Hot_Patch_Build_5928.zip
27-Sep-19	5925	This patch resolves authentication and Brainware API issues specific to Oracle 11g R2.	Brainware_Intelligent_Capture_V591_HotPatch_5925.zip
21-Feb-17	C35708	The Project Merge Tool (PMT) allows multiple	Project Merge Tool Add-on 5.9.1 Build 5923

Date	Build	Description	Folder Name
		users to work independently on separate copies of a project file and later merge project objects, such as classes, into one project.	C35708.zip
21-Feb-17	C32572	Kadmos5 Server Edition allows multiple users or instances to process documents concurrently.	Kadmos5 Server Edition 5.7 SP1 Add-on Version 5.0p Build C32572.zip