Brainware for Transcripts

Release Notes

Version: 2.4.x

Written by: Documentation Team, R&D
Date: Friday, April 03, 2020

Hyland

Copyright

Information in this document is subject to change without notice. The software described in this document is furnished only under a separate license agreement and may be used or copied only according to the terms of such agreement. It is against the law to copy the software except as specifically allowed in the license agreement. This document or accompanying materials contains certain information which is confidential information of Hyland Software, Inc. and its affiliates, and which is subject to the confidentiality provisions agreed to by you.

All data, names, and formats used in this document's examples are fictitious unless noted otherwise. Complying with all applicable copyright laws is the responsibility of the user. Without limiting the rights under copyright law, no part of this document may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the express written permission of Hyland Software, Inc. or one of its affiliates.

Hyland® and Hyland Software®, as well as Hyland product names, are registered and/or unregistered trademarks of Hyland Software, Inc. and its affiliates in the United States and other countries. All other trademarks, service marks, trade names and products of other companies are the property of their respective owners.

© 2020 Hyland Software, Inc. and its affiliates. All rights reserved.

Table of Contents

Brainware for Transcripts Release 2.4 (April, 2020) 5
General Notes *5*
Compatibility *5*
New Features *5*
Fixed Defects BFT 2.3 to BFT 2.4. ..... *7*
Release 2.3 (January 2019) 10
General Notes *10*
Compatibility *10*
New Features *10*
Fixed Defects Build 2.2.2200 to build 2.3.2300 ..... *11*
Release 2.2 (December 2017) 12
General Notes *12*
Compatibility *12*
New Features *13*
Fixed Defects Build 2.1.2100 to build 2.2.2200 ..... *15*
Release 2.1 (April 2017) 16
General Notes *16*
Compatibility *16*
New Features *16*
Fixed Defects Build 2.0.2000 to build 2.1.2100 ..... *18*
Known Issues *19*
Release 2.0 (August 2015) 19
General Notes *19*
Compatibility *19*
New Features *20*
Known Issues *22*
Release 1.3.1303 (November 2014) 23
General Notes *23*
Compatibility *23*
New Features *23*

Fixed Defects *24*
Release 1.3.1302 (August 2014) 24
General Notes *24*
Compatibility *24*
Prerequisite *24*
Installation *24*
New Features *25*
Release 1.3.1301 25
General Notes *25*
Compatibility *26*
New Features *26*
Fixed Defects *28*

Brainware for Transcripts Release 2.4 (April, 2020)

General Notes

This document, the Release Notes for Brainware for Transcripts (BFT) 2.4., contains descriptions of enhancements and updates identified by Customers, Support, and the Professional Services implementation teams.

Compatibility

You can only use Brainware for Transcripts 2.4 with the following Brainware Intelligent Capture versions:

- 5.7 Service Pack 1 and Hot Patch for Transcript engine build 5722
- 5.8
- 5.9
- 5.9.1

Note:
Features like memory utilization, RSA3072 password encryption and support for AEB Role are available only if you are using BIC 5.9.1.

New Features

Category	Description
BFT Installer	• Introduction of a warning message for users stating that the BFT Installer is currently usable for new installations only and does not support uninstallation or upgrade. Use of this installer application for purposes other than a new installation could corrupt an existing implementation. • Introduction of a warning message that the installer can no longer be used to uninstall a previous version of the application. Any existing version of the application needs to be removed manually. • Addition of project path validation logic - The installer can no longer be used to overwrite an existing database. The user will either need to change the database name or manually remove the existing data-base table before continuing. • When installing BFT, if the connection string for

Category	Description
	the Brainware Intelligent Capture database is encrypted, the user will be required to enter the connection string manually. • Masking of connection string password.
ALM	Added integration with ALM to support SSL connectivity.
Extraction and Classification	• Enhanced extraction logic for text-based PDF (electronic) Transcripts. • Ability to auto-index Transcript Type, reducing chances of error owing to manual entry, and enabling faster processing.
Configuration	Improved memory utilization for the internal storage of project configuration settings. **Note:** This feature is only available if using Brainware Intelligent Capture 5.9.1.
Search	Improved user interaction when performing applicant and institution search.
Security	Added support for RSA3072 password encryption. **Note:** This feature is only available if you are using Brainware Intelligent Capture version 5.9.1.
Refactoring	Improved existing database scripts by moving to a universal script that can be configured for database creation, database overwrite and update.
Onbase Integration	The standard XML output file now includes document page information required for Onbase integration. **Note:** This feature is only available if using Brainware Intelligent Capture 5.9.1.

Fixed Defects BFT 2.3 to BFT 2.4.

TFS ID	Description
TFS #32009	Web Verifier fails to load High School transcript without BFT Plus license.
TFS #32070	ALM unable to return candidate on 5.9.1 for a trained field in Verifier.
TFS #32171	XML Military Credit Details Header is Mandatory when saving a packet in BFT Export Options.
TFS #32322	Expired copyright dates in database creation and update scripts.
TFS #32421	Expired copyright dates in BFT scripts.
TFS #30435	Improper functioning of the Multi-district feature without SiteID.
TFS #25886	Occurrence of a custom script error (RFA 1212478) when reclassifying a document to VOID.
TFS #26913	Inability to validate a transcript due to invalid field (tmpRTSLineItems).
TFS #26879	Visibility database scripts included with BFT are missing BrwdistillerFields primary key creation.
TFS #29308	Special characters not allowed in term within coursework table.
TFS #31580	The term “Perceptive” is found in line 1018 in the Packaged script in SDP.
TFS #31832	Dynamic Verifier Form doesn't work.
TFS #31699	Multidistrict college codes are not getting validated in Verifier.
TFS #31563	XMLMilCreditDetailsHeader in the BRWEXP does not have default value in it, for SQL Server version of the script.

TFS ID	Description
TFS #31518	Oracle- BRWUser table incorrectly created.
TFS #31466	Product version incorrect for 2.4 pipeline builds.
TFS #31449	Outdated Hyland copyright in BFT project scripts.
TFS #31420	Failure to export documents that are re-classified as VOID.
TFS #28129	PDF Extraction fails on certain documents.
TFS #28072	Whenever Org ID is used, it's value is displayed as "null" in the UI of Capture Reports.
TFS #27687	Transcripts that are auto-indexed as College type are incorrectly set to the Multi-District type.
TFS #30056	Special character in XML Tag causes the export to fail.
TFS # 30043	The UI help text for Client Settings\Instruction Profile incorrectly display "DFI".
TFS #29920	Changes made in settings are not reflected in a batch when it is re-processed from state of 100/200.
TFS #29798	IVRType settings are not used on VerifierFormLoad to populate the **Invalid Reason** drop-down list.
TFS #29779	Incorrect default value for the INI ImportODBCSelect parameter.
TFS #29748	User Management Password field allows for string lengths incompatible with BIC login password length restrictions.
TFS #29743	Inability to login using credentials from imported users.
TFS #29736	User Management field allows passwords of 200 characters length only.
TFS #29686	The overwrite operation fails when existing DB with

TFS ID	Description
	BFT 1210 is configured into the script.
TFS #29681	The new unified database script fails to update the database when used in update mode.
TFS #29653	The new unified database script cannot handle the database names that has special characters in them.
TFS #29361	Tab order discrepancy. Cancel button should be focused after list box.
TFS #26410	Validation of Config and Reporting database is no longer performed during installation.
TFS #26297	When a user already exists in the BIC User table, adding the same user in a different project prevents additional users in the BFTUsers table to be added.
TFS #26261	TranscriptType is case sensitive if Auto-Indexing is active.
TFS #26242	System Security update fails when the BFT connection string in the project.ini file is configured with an encrypted password.
TFS #26237	BFT Installer fails when installing to a BIC installation with an encrypted password in the connection string.
TFS #25875	Unexpected termination of the uninstall operation on clicking the **Uninstall** button multiple times.
TFS #25675	Occurrence of an unhandled exception when ALE URL returns 404 error.
TFS #25636	Failure to install BFT when attempting to create the database tables on an Oracle server.
TFS #25632	The Configuration Database edit dialog box is incorrectly displayed during the installation of BFT.
TFS #25537	Failure to create an instruction profile in SCM with a BFT 2.3 install.

TFS ID	Description
TFS #25201	Failure of BFT installation when a period(.) is used in a SQL database catalog name.

Release 2.3 (January 2019)

General Notes

This document, the Release Notes for Brainware for Transcripts (BFT) 2.3., contains descriptions of enhancements and updates identified by Customers, Support, and the Professional Services implementation teams.

Compatibility

You can only use Brainware for Transcripts 2.3 with the following Brainware Intelligent Capture versions:

- 5.7 Service Pack 1 and Hot Patch for Transcript engine build 5721
- 5.8
- 5.9

New Features

Category	Description
Rebranding	Re-branding of all product and documentation to reflect Hyland logo and nomenclature.
Installation	Ability to use an installer to automatically install Brainware for Transcripts with the use of a user interface or even without it (silent installation). This results in reduced manual effort in the installation process.
Columbus	Ability to incorporate Columbus for Automated Learning.
Extraction and Classification	• Ability to support multi-campus or multi-district school capture for transcripts that have the campus code detailed in the course line items. This results in reduced manual entry error and faster processing. • Ability to automatically translate date range

Category	Description
	terms so that the values are normalized prior to transmission. This results in an increased efficiency in the extraction process. • Ability to process transcripts in a multi-pass extraction system where the data is extracted in multiple steps, based on the document status. This results in reduced implementation time, cost, and work load. • Ability to automatically translate numerical grades so that the values are normalized prior to transmission. This results in an increased efficiency in the extraction process.
Configuration	• Ability to use Import API to facilitate user configurations in the SCM, by introducing the Authorization for External Batches (AEB) role. • Ability to modify the parameters of an XML file export. This results in reduced implementation time and cost.

Fixed Defects Build 2.2.2200 to build 2.3.2300

TFS ID	Description
TFS #22798	Fixed the defect where BFT system fails to extract several fields from a customer's transcripts.
TFS #23323	Fixed the defect where there were multiple references to the term Distiller in the BFT.ini file.
TFS #23448	Fixed the defect where a folder named Global is not removed from the install directory even after uninstallation.
TFS #23452	Fixed the defect where upon extraction, the ALE results are also getting modified, although the ALE candidate option is not selected.

TFS ID	Description
TFS #23453	Fixed the defect where the wrong log message was thrown when ALE returned zero candidates for a field.
TFS #23454	Fixed the defect where BFT is not showing the top candidate returned from ALE.
TFS #23468	Fixed the defect where during BFT uninstallation, the Installer uninstalls BFI program files and folders.
TFS #23478	Fixed the defect where providing the domain name is mandatory for user creation in Oracle DB through the SCM.
TFS #23555	Fixed the defect where the BFT Installer throws a warning message at the first instance stating that the project file does not exist.
TFS #23560	Fixed the defect where the system throws an error message in RTS during the classification and extraction stages, for an ALE-enabled document.
TFS #23561	Fixed the defect where extraction results would get deteriorated for ALE-enabled documents.
TFS #23596	Fixed the defect where the help text for the Connection Group settings page in SCM that erroneously stated that if the ALE DB connection string, defined in the INI file is `SQL_VL_06_ConnectionString=connection string to ALE DB`, then the connection group value, corresponding to this connection string would be "6".
TFS #23680	Fixed the defect where the system fails to create RTS instances when the time format is set to 24 hours.
TFS #23681	Fixed the defect where the BFT Installer would complete the installation without throwing any error messages, inspite of the RTS instances failing to get created.
TFS #24622	Fixed the defect where the ALE server crashes when BFT reporting is disabled.

Release 2.2 (December 2017)

General Notes

This document, the Release Notes for Brainware for Transcripts (BFT) 2.2.x, contains descriptions of enhancements and updates identified by Customers, Support, and the Professional Services implementation teams.

Compatibility

You can only use Version 2.2.x with the following Intelligent Capture versions:

- 5.7 SP1 with TTE patch 5721
- 5.8

New Features

Category	Description
Verfication	Added "Copy Year" and "Copy Grade Level" buttons to the High School Verifier form above the Coursework table. You can use these buttons to enter the content of the previous rows in the empty Year and Grade Level cells. This enables populating the manually entered terms within Verifier faster.
Verfication	Added "Copy Terms" button to the College Verifier form above the Coursework table. You can use this button to enter the content of the previous rows in the empty Term cells. This enables populating the manually entered terms within Verifier faster.
Configuration	Added the ability to pre-link the Institution ID and Institution Site ID to a transcript before processing through BIC. This helps to continue the transcripts receipt process while not stopping the documents in Verifier based on the InstitutionID Associative Search Engine (ASE) results.
Extraction	Enabled filtering the ASE results based on the classname. For example, only Colleges are returned for ASE searches when the document is classified as College. This helps in achieving better Institution ID extraction results. Filtering is applied during both RTS and Verifier searches.
Configuration	Enabled automatically adding an institution to the BRWNUMGRD table if the institution reports numeric grades during export, but does not already exist in the table. The transcript is processed by the engine to extract alpha grades and additional details. If the reporting institution is in the "Uses Numeric Grading" table, the transcript is processed to extract numeric grades. Any alpha grades that were previously extracted are removed. However, if no alpha grades were extracted during the first step, then the transcript is processed to extract numeric grades even if the reporting institution is not in the table. Additionally, if numeric grades are extracted and confirmed by the Verifier, or if the Verifier enters numeric grades, then the reporting institution is automatically added to the "Uses Numeric Grading" table. This automatic processing and subsequent addition to the "Uses Numeric Grading" table is performed only if the solution is configured to permit such processing. It is disabled by default.
Validation/Formatting	Enabled the normalization of extracted terms from a college transcript. The

Category	Description
	extracted term can be normalized by profile and mapped with an existing normalized term from the database. If term normalization is enabled and the system is unable to automatically normalize the term, the extracted term is presented for verification. A manually entered term is validated against the normalized terms configured in the database. Also, if a Verifier user enters a valid normalized term, but the date is not in the correct format, then the manually entered date is reformatted automatically. For example, date entered is in YYYY format, whereas dates in the normalized term table are in YY format.
Configuration	Enabled the ability to process the applicants for multiple clients through a single project and at the same time allow for filtering of the applicants returned based on the assigned partition of the client. • The ApplicantASE results are filtered based on the Applicant Partition assigned to the client in the BRWClient table. • The Applicant filtering is enabled or disabled through the 'GRL_OP_ ActivateApplicantFiltering' setting in the INI file. • The Applicant filtering column is defined through the 'GRL_VL_ ApplicantFilterColumn' setting in the INI file. If enabled, filtering is applied during both RTS and Verifier searches. Also, filtering is applied when using the "Show Best" button in Verifier search.
Extraction	Enabled adding format analysis search strings to extract terms not returned by out-of-the-box settings. This helps to process transcripts that are not currently extracting any term. Custom College Term formats added to the format analysis settings are considered as term candidates and are used for extraction.
Classification	Enhance college vs. high school classification based on customer sample documents.
Extraction	Enhanced the extraction process to fix the following issues from customer sample documents: • No terms populated in Verifier. • Some course numbers did not populate. • Some course numbers were extracted as lowercase though they appear in uppercase on the transcript. • Some transcripts were processed into Verifier with no data populating.
Extraction	Enabled support for term extraction below the coursework block. BFT can now

Category	Description
	extract terms from college transcripts which present the term below the coursework block. • Enabled specifying institution IDs where terms are always presented below the coursework block. If the institution ID is in the configuration, the term below the course block extraction is applied. • This functionality is enabled by a new database table BRWTermsBelow, with columns ProfileID, InstitutionID, and SiteID (if applicable).
Scripting	Added new User Exit calls to extend custom scripting accessibility: • UserExitAppendWorkdoc • UserExitBatchClose • UserExitBatchOpen • UserExitPreOCR • UserExitPostOCR • UserExitProcessBatch • UserExitVerifierClassify • UserExitMoveDocument • UserExitUpdateSystemSecurity

Fixed Defects Build 2.1.2100 to build 2.2.2200

ID	Description
TFS #21000	Fixed the defect where the SQL statement "UpdateSystemSecurity" used in BFT is displaying errors in the log file for the user table.
TFS #21260	Fixed the defect where the "Term" and "Course Number" columns were becoming invalid when a user tried to validate any other active header field while having unconfirmed changes in any cell.
TFS #21919	Fixed the defect where the "Item Details" button in the ASE search dialogue box did not fetch the details of the selected search candidate from the list when using PME. When the data source was set to PME (RMS), the item details pop-up did not contain any information about the selected search candidate.
TFS #21920	Fixed the defect where PIFUpdate was called during ScriptModule_VerifierException when no exception state was selected.

Release 2.1 (April 2017)

General Notes

This document, the Release Notes for Brainware for Transcripts (BFT) 2.1.2100, contains descriptions of enhancements and updates identified by Customers, Support, and the Professional Services implementation teams.

Compatibility

You can only use Version 2.1.2100 with Intelligent Capture version 5.6 SP1 with TTE add-on 5640, 5.6 SP2, or 5.7 with TTE patch 5721, or 5.7 SP1 with TTE patch 5721.

New Features

Category	Description
Extraction/Validation	Added 10 Custom fields to the Verifier form which are used to capture additional data. These fields are not automatically extracted from the Transcript. You can either lasso the data from the Transcript or manually enter data into these fields.
Extraction	Enabled extraction of numeric grades from the coursework table in college transcripts. To execute this, you need to add the institution IDs, for which numeric grades are present, to the relevant database table. If the institution ID is available in the database configuration, the system removes any RTS extracted grade and extracts numeric grade for the transcript. Additionally, if the institution ID for a college transcript does not exist in the database configuration, the system attempts to extract numeric grades from the coursework details, if no alpha grades were initially extracted.
Configuration /Settings	Enabled connectivity between Brainware for Transcripts and Perceptive Connect Runtime (PCR). The BRWPCO configuration table is updated to activate the connection. The Connector acts as the bridge between Perceptive Content and BFT. It also enables you to receive status updates and execute XML export through the REST Web Service.
Configuration /Settings	Modified the default minimum and maximum scores for ACT writing to match the current minimum and maximum scores allowed by the ACT. The user does not need to manually change these scores during implementation. The minimum and maximum scores, stored in the BRWACTScores table, are changed from 2 and 12 to 1 and 36 respectively.
Configuration	Enabled the ability to configure high school coursework filtering by profile . This feature allows the user to configure unique export filters for different clients.
Configuration/Settings	Enabled the ability to configure batch filtering within the Verifier batch list based

Category	Description
	on the transcript type, such as Military, College, or High School. A new table BRWBAT is added to the configuration database for this purpose.
Validation	Enabled the ability to validate SAT transcripts for tests held after March 2016 with the new scoring methodology, as well as the ones held before March 2016 with the old scoring format. The tests held prior to March 2016 were reported on a scale of 200 - 800 on each of the three sections, Math, Reading and Writing, and Essay. The total score range was 600 - 2400. The tests held after 2016 are reported on a scale of 200 - 800, in 10 point increments on each of the two sections, Math and Evidence-Based Reading and Writing. The total score range has changed to 400 - 1600. The essay is now optional and is scored on a scale of 0 - 24, in 1 point increments.
Extraction/Validation	Enabled extraction and validation of ACE identifiers from Joint Service Transcripts that include version numbers in the ACE ID.
Extraction	Enabled extraction of the Start Date from the Joint Service Transcripts.
Extraction	Enabled extraction and export of Credit Area, Credit Recommendation, and Course Level (lower or upper division course) from the Joint Service Transcripts.
Configuration	Enabled controlling the Perceptive Matching Engine (PME) configuration options externally from the Brainware Intelligent Capture Designer. This helps to migrate projects from the testing to the production environment without making changes by using the Designer. BIC version 5.7 introduced PME as an alternative implementation of the Associate Search Engine (ASE). A project can be configured to use PME in the Designer application by selecting the "Remote Matching Service" option from the "Used core engine" list when the "Associative Search Engine" is selected as the analysis engine. After the "Remote Matching Service" is selected, the connection options can be specified via the GUI. The necessary connection options are: • URL • Connection String • Search Index These options can currently be configured only through the Designer GUI. BFT configuration allows "Remote Matching Service" to be selected and configured through the project INI file, thereby eliminating the need to use the Designer GUI.
Validation	Enabled validation of both Start Date and Date Completed fields in the Joint Service Transcripts. This ensures that the extracted data is correct. The Start Date and Date Completed are marked as invalid if the following

Category	Description
	validations fail: • Start Date is greater than the Date Completed. • The difference in Start Date and Date Completed is not greater than a configurable number of days. The JSTDateGapAllowed column is added to the BRWDAT table and set to 365 by default.
Export	Resolved the type identification problem for Joint Service Transcripts. The BFT project is updated to export the ACT, SAT, and Other test scores to XML as designed in the common.xsd file. Since the XML export pattern changes with this version, the usage of customised XML parsing tools with earlier versions needs to be updated accordingly.

Fixed Defects Build 2.0.2000 to build 2.1.2100

ID	Description
TFS #11658	Fixed the defect of terms being duplicated in eForm. The terms were duplicated during XML export due to case sensitivity. The issue is resolved now in XML export by using upper case for all terms.
TFS #2066	Fixed the defect where the term on the second column was not properly extracted for some multi-column and landscape-oriented transcripts.
TFS #2082	Fixed the defect where unique transcript terms were not extracting correctly to coursework for specific universities.
TFS #2085	Fixed the defect where the grade points extracted from some documents were placed in the Earned column instead of the Grade Points column.
TFS #2086	Fixed the defect where the extracted grade points were not properly optimized. For example, the extracted value "16.00" was entered as "16-00" in the Grade Points column due to poor quality of scan.
TFS #20104	Fixed the defect where all military fields and some college coursework fields required an input in Verifier even after setting RequiredInVerifier to FALSE. Now, if RequiredInVerifier is set to FALSE for these fields, no further input is required in Verifier.
TFS #20141	Fixed the defect where the validation process was running even if the Final Grade column was marked as inactive. However, the validation could not be completed as the invalid cells in the

ID	Description
	Coursework table were not displayed. Now, if the Final Grade column for High School is marked as inactive, the validation process is no longer triggered.
TFS #20380	Fixed the defect where, for certain documents, the "Term" details for transfer credit in the coursework table was not getting extracted from the correct stack in the document.
TFS #20382	Fixed the defect where, for certain documents, if a term was not OCRed properly, then the subsequent coursework rows were incorrectly associated with the previous term.
TFS #20383	Fixed the defect where, for certain documents, if the term details for a course continued for more than a page, the rows on the next page(s) did not extract the term.
TFS #20384	Fixed the defect where the first few rows of the coursework related to Transfer Credit of different universities did not include any candidates for certain documents. These rows were getting incorrectly associated with either terms from different stacks or, with the admission term from the student info section.
TFS #2101	Fixed the defect where the XML export routine did not escape the "&" character that was being eliminated from the XML code for all fields following BFT export.
TFS #2102	Fixed the defect where the Active column for the Coursework.Repeat field was set to TRUE, causing issues with form validation. The Active column is now set to FALSE by default for the Coureswork.Repeat field.

Known Issues

Issue: Multiple instances executing Export can run into an issue with Deadlocked Transactions which can cause loss of data in the Visibility tables.

Workaround: Only enable one instance of Export per RTS Machine per Project.

Release 2.0 (August 2015)

General Notes

This document, the Release Notes for Brainware for Transcripts (BFT) 2.0.2000, contains descriptions of enhancements and updates identified by Customers, Support, and the Professional Services implementation teams.

Compatibility

You can only use Version 2.0.2000 with Intelligent Capture version 5.6 SP1 with TTE add-on, or 5.6 SP2.

New Features

Category	Description
Validation	Enhanced Grade Point Validation: Grade Points only allow numeric values.
Extraction	HS Transcript Coursework Extraction: This is a major feature introduced in this release. The previous version of the solution supported header level extraction for High School transcripts, but no course detail extraction.
Enhanced TTE version	Improvements of Transcript Engine in Add-on Build 5561 The following improvements have been implemented in the build 5561 of the transcript engine: New "Unknown" column type of the transcript columns is now available for both College and High School transcript types. This column type helps to unmap a data column from being a transcript column (previously you would need to delete the target column first and then recreate and move it afterwards). For College transcripts, the 6th transcript column type "Grade Points" was unsupported in the version 5560 of the add-on. This issue has been addressed in version 5561 and "Grade Points" is now available in the transcript column selection drop down list. The patch included a number of important general stabilization of GUI and data storage routines related to transcript engines (both High School and College). For High School transcripts, in case some of the columns are not mapped in the GUI but effectively extracted by the engine, the system now extracts the data into so-called "unmapped" columns of the table data control.
Validation	Enhanced Course ID Validation: BFT calculate a Levenshtein distance for courses available in the Coursework database and automatically replace the erroneous field if it meets a certain tolerance.
Unmapped Column Support	Unmapped Column Support for Transcript Coursework: If a data column is effectively extracted by the High School transcript engine but it is not explicitly mapped to a table control column in the GUI, the system previously would lose this information. In the add-on build 5561, it now stores this data in the so-called "unmapped" columns of the data control. These unmapped columns can be accessed from within the BIC custom script and then either analyzed for further processing or even directly mapped to one of (or more) the existing reserved columns of the data control.
Invalid rows in Coursework	Remove invalid rows from Coursework: Sometimes the engine will extract header lines within the table and additional rows beneath the table. Post-extraction, these additional rows are now systematically removed so that only

Category	Description
	true Coursework rows are presented for verification and exported.
Empty Grade Column Validation	Empty Grade Column Validation: Often times, not all 5 grade columns are present on a Transcript. If all empty cells are presented for verification, this could cause unnecessary Enter key presses. It is now possible to validate a column of grades in Coursework Validate from RTS.
Configuration	Dynamic Coursework Column Display: Some customers do not require all of the columns we extract from the Coursework table. In order to alleviate additional verification times, these columns can be set to blank in Document Validate on RTS. Additionally, the column is not visible in Verifier. This setting is driven by the Active column in BRWFLD.
Configuration	Configurable Coursework Column Settings via BRWFLD: College and HighSchool Coursework columns formatting and validation are now configurable via BRWFLD like header fields so that we have only one configuration location.
Configuration/Settings	Header fields now use BRWFLD validation and format settings.
Form/Configuration	Dynamic Verifier Form: BPO or large customers may process multiple client's document through the solution. These clients may have different field requirements from other clients. The system can now dynamically adjust the Verifier form based on Active fields within BRWFLD.
Configuration/Validation	Ability to turn on/off Cumulative GPA Calculation Validation: Ability to disable the GPA calculation validation and/or automatically override the invalid GPA within Verifier so that documents which do not calculate do not stop for verification of the GPA field when it is not required.
Configuration/Export	Configurable option to exclude non-issuing institution courses in export process (Transfer coursework)
OCR Page counting	Modified OCR Page Counting: If a document is processed again the OCR pages are incremented instead of just storing the last page count.
Configuration	Configurable Option to buffer Client Settings: A configurable option to buffer client settings so that in a single or static client environment, the Verifier form loads faster, or in a multi-client or evolving environment, we can reload the Verifier form on each batch load.
Verification	Submitting Student ID populates Student Address on Verifier Form: We can now type in the Student ID number, press enter, and all respective fields would be updated including the address.

Category	Description
Verification	HS Test Scores: There are 3 sections for test scores. SAT, ACT and Other test scores. You have the ability to add or remove rows for each section.
Export	PDT XML Export: Ability to export data via XML to Perceptive Data Transfer.
Export	Normalized Term Export: Semester/Quarter Terms are now normalized for export in order to achieve better analytics against the exported data.
Extraction	HS Field Optimizations based on Validated Data: Field level extraction rates for HS documents are lower than the College ones. Important improvements have been made to field and column extraction to improve the FLE rates. This is a continuing effort and the next version of the solution should offer better FLE rates.
Validation	Total Credits Earned- Internal Validation:An internal validation logic on total credits earned have been implemented to minimize false positives.
Verification	Ability to enter the Grade as stated on the transcript regardless of the Accepted Grades listed in the database configuration.
Validation	Auto validation of Scores Tables when the first column is blank in Verifier.
Extraction	Multi Page HS Transcript Optimization: First round of the optimization efforts allowing multi page transcripts to extract as well as single page transcripts. This is a continuing effort; the next release should offer better extraction capabilities for multi-page transcripts.
Configuration	Ability to encrypt the INI file connection strings password.
Validation	A button is now available on the form to enable the validation of all remaining cells in the Coursework table.
Licensing	Ability to process HS Transcript header data without TTE License: Customers can now process College transcripts, Military transcripts, along with High School header data and test scores without licensing HS TTE.

Known Issues

Issue: Multiple instances executing Export can run into an issue with Deadlocked Transactions which can cause loss of data in the Visibility tables.

Workaround: Only enable one instance of Export per RTS Machine per Project.

Release 1.3.1303 (November 2014)

General Notes

This document, the Release Notes for Intelligent Capture for Transcripts (ICT) version 1.3.1303, contains descriptions of enhancements and updates identified by Customers, Support, and the Professional Services implementation teams.

Compatibility

You can only use Version 1.3.3 with Intelligent Capture version 5.5 SP2 or 5.5 SP3.

You can upgrade previous versions of Intelligent Capture for Transcripts to Version 1.3.1303 using the following steps.

1. Stop the Intelligent Capture Runtime Service and close all Intelligent Capture applications (Verifier and Designer).
2. Create a backup of existing project files (SDP, INI, ASE pools, and so on).
3. Create a backup of the ICT configuration database.
4. Execute the **1210To1300.sql**, **1300To1310.sql**, **1310To1312.sql**, and **1312To1330.sql** scripts on the ICT configuration database.
5. Configure the new columns within the IC configuration database as outlined in the New Feature section below.
6. Replace the existing SDP and INI files with the version 1.3.1303 SDP and INI files.
7. Update the new INI file with the settings from the backup INI file.
8. If any custom scripting was placed in the UserExits and GlobalVariables classes, copy the custom script from the backup project file to the version 1.3.1303 project file.
9. Update the Class Name Format and the Fields Contents Format in both Applicant and Institution ASA pools in Designer, unless their default format is preferred.
10. Start the Runtime Service. Reset all batches that were not exported to state 200.

New Features

Category	Description
Enhanced Support for Sailor/Marine Corps Transcripts	Brainware for Transcripts 1.3.1303 has been optimized to extract more line item details from Sailor/Marine transcripts.
New Support for Military Joint Service Transcripts	Brainware for Transcripts 1.3. 1303 now processes military Joint Service Transcripts.

Category	Description
Enhanced ASE Search	The Associative Search Engine area is now configured based on document class to return better results for both Applicant and Institution searches. Additionally, the applicant search now utilizes the Student Name when found on the transcript to return better results.
Enhanced Performance on Dialog Load Times	Brainware for Transcripts 1.3.1303 has enhanced its performance by decreasing applicant and institution dialog search load times.
Cumulative GPA Export	Brainware for Transcripts 1.3.1303 supports export of cumulative GPA on college transcripts.

Fixed Defects

ID	Description
DE39045	When the document file name was over 50 characters, extracted coursework would not write to the Visibility reporting database. This was corrected so that all coursework data is now reported.

Release 1.3.1302 (August 2014)

General Notes

This document contains information about the installation and configuration of an Oracle database for Brainware for Transcripts.

Compatibility

Brainware for Transcripts 1.3.1302 is only compatible with Brainware Intelligent Capture version 5.5 SP2.

The supported Oracle Database version is 11g Release 2.

Prerequisite

Before installing Brainware for Transcripts 1.3.1302, you must install and configure Oracle Data Access Components (ODAC) 11.2 Release 4 with Oracle Developer Tools for Visual Studio version 11.2.0.3.0.

Installation

To upgrade previous versions of Brainware for Transcripts to 1.3.1302, complete the following steps.

1. Stop the **Intelligent Capture Runtime Service** and close all **Intelligent Capture** applications, including **Verifier** and **Designer**.
2. Create a backup of the existing **SDP** and **INI** files.

3. Create a backup of the **ICT configuration database**.
4. Replace the existing **SDP** and **INI** files with the version **1.3.1302 SDP** and **INI** files.
5. Update the new **INI** file with the settings from the backup **INI** file created in step 2.
6. If the **UserExits** and/or **GlobalVariables** classes contain any custom scripting, copy the custom script from the backup INI file to the **1.3.1302** project file.
7. If you are creating a new database for **SQL Server**, complete the following substeps.
    1. In the **Create** directory, open the **MasterICT.sql** script.
    2. In **Section 1.0**, uncomment out the **Create database section** in the script and change the database name from **TargetDatabase** to the name that is applicable for your database.
    3. Run the **MasterICT.sql** script.
    4. On the **ICT configuration database**, execute the **1301To1312.sql** script.
8. If you are performing an update for **SQL Server**, complete the following substeps.
    1. Open **SQL Server Management Studio**.
    2. In the **Update** directory, open each file in order.
    3. In the **Available Database** list, select the current **Transcripts** database.
    4. Run the update scripts in order.
9. For the new **Oracle database**, complete the following substeps.
    1. In the **Create** directory, open the **MasterICT.sql** file.
    2. In **Section 1.0**, review the commented out section for creating users.
    3. If needed, create a user and grant the appropriate user permissions.
    4. Log in as the newly created user.
    5. Run the **MasterICT.sql** script.
10. Reset all of the batches that have not been exported to `state 200`.
11. Restart the **Intelligent Capture Runtime** service.

New Features

Category	Description
New Configuration Option - Support for an Oracle database	Brainware for Transcripts 1.3.1302 supports the use of an Oracle database.

Release 1.3.1301

General Notes

This document contains information about the installation and configuration of an Oracle database for Brainware for Transcripts. This document, the Release Notes for Brainware for Transcripts (ICT) version 1.3, contains descriptions of defect corrections and software extensions identified by Customers, Support, and the Professional Services implementation teams.

Compatibility

Version 1.3 can only be used with Intelligent Capture version 5.5 SP2.

Previous versions of Intelligent Capture for Transcripts can be upgraded to **Version 1.3** using the following steps:

1. Stop the Intelligent Capture Runtime Service and close all Intelligent Capture applications (Verifier and Designer).
2. Create a backup of existing project files (.sdp, .ini, ASE pools, etc).
3. Create a backup of the ICT configuration database.
4. Execute the "1210To1300.sql" script on the ICT configuration database.
5. Configure the new columns within the ICT configuration database as outlined in the New Features section below.
6. Replace the existing .sdp and .ini files with the version 1.3 .sdp and .ini files.
7. Update the new .ini file with the settings from the backup .ini file.
8. If any custom scripting has been placed in the UserExits and/or GlobalVariables classes, copy the custom script from the backup project file to the version 1.3 project file.
9. Reset all batches that have not been exported to state 200.
10. Restart the Intelligent Capture Runtime Service.

New Features

Category	Description
New Configuration Option - College Course Number Export	College coursework export has been updated to export the Subject and Course Numbers separately for courses that successfully validated against the SIS coursework data. Two new columns have been introduced in the BRWCRS table: 1. SubjectColumn - Column in the database table which holds the SIS course subject. 2. CourseNumberColumn - Column in the database table which holds the SIS course number. Coursework lines, which were not successfully validated, will be exported with the Course Number extracted from the document in both the Subject and Course Number sections of the XML. If either of the columns above is blank within the ICT configuration database, the new export logic will not be enabled.
New Configuration Option - Applicant Custom Values	Applicant data can now contain up to five custom values to be included in the export. These values are passed through the columns within the ApplicantASE pool. Five new columns have been added to the BRWSRA table for mapping these custom values from the ApplicantASE pool: Custom1-Custom5 - Capture ASE column name denoting the custom value that can contain additional information about the applicant.

Category	Description
	Additionally, five rows have been added to BRWEXPStudentHeader allowing mapping of the Custom fields to XML tags. The default tag names are userField1-userField5.
New Configuration Option - Filtering College Coursework for Export	Extracted College coursework lines can now be filtered for export by grade letter. Two new columns have been introduced in the BRWEXP table: 1. EXPFiltering - Flag to indicate that whether the exported courses will be filtered. If set to TRUE, the exported courses will be filtered based on the value of EXPExcludedGradeLetters column. Otherwise, the exported courses will not be filtered. The default value for this column is FALSE. 2. EXPExcludedGradeLetters - Comma separated list of grade letters that will be filtered out from export files. This setting only applies if the EXPFiltering column is set to TRUE. If the value of the field is set to empty string, no course will be filtered out. The default value for this column is "W,I".
New Configuration Option - Cumulative GPA validation for College Transcripts	Validation of the CumulativeGPA field for College transcripts has been expanded to validate mathematically the extracted value against the calculated GPA based on the coursework data. Two new columns have been introduced in the BRWGRD table: 1. GPAValidationTolerance - The decimal tolerance that is acceptable between the Calculated GPA derived from the extracted coursework and the Cumulative GPA. 2. ExcludedGradeLetters - Comma separated list of grades to exclude when calculating the GPA. Additionally, four new invalid reasons have been added to BRWIVRType. 1. CUMULATIVE GPA <> CALCULATED GPA - This invalid reason can be selected by a Verifier user to allow a document to be exported if the Cumulative GPA does not match the calculated GPA within the configured tolerance. 2. GPA AND APPLICANT INVALID - This invalid reason can be selected by a Verifier user to allow a document to be exported if the Cumulative GPA does not match the calculated GPA within the configured tolerance and the transcript applicant cannot be found using the applicant search function. 3. GPA AND INSTITUTION INVALID - This invalid reason can be selected by a Verifier user to allow a document to be exported if the Cumulative GPA does not match the calculated GPA within the configured tolerance and the institution issuing the transcript cannot be found using the institution search function. 4. GPA, INSTITUTION, APPLICANT INVALID - This invalid reason can be selected by a Verifier user to allow a document to be exported if all three of the following conditions apply: 1. The Cumulative GPA does not match the calculated GPA within the

Category	Description
	configured tolerance. 2. The institution issuing the transcript cannot be found using the institution search function. 3. The transcript applicant cannot be found using the applicant search function.
UI Update - Institution Search Dialog	The results displayed within the Institution Search Dialog have been expanded to include the Institutions' State, City, and Address1.

Fixed Defects

ID	Description
NA	Corrected issue where ApplicantID exported as blank when ExternalID was null in database configuration. (Build 1301)
N/A	Corrected documentation issue regarding RTS settings for Update System Security event. (Build 1301)