



# CaseWare IDEA®

What's New | February 2022



## Purpose

This latest release of IDEA significantly advances the functions and features available while still maintaining IDEA's world-renowned ease-of-use.

## System Requirements and Installation Information

Please refer to the installation guide you received with the installation package from your CaseWare Partner.

## New Features and Enhancements

This release includes the following new features:

Feature	ID	Description
CaseWare Working Papers	13284, 13061, 13285	IDEA lets you collaborate with an installed, supported version of CaseWare Working Papers. You can send IDEA databases (as a database file or PDF) and other project files directly from IDEA to a CaseWare Working Papers Client folder.
Delimited Extended Import	13803	IDEA can now import CSV files that use the RFC 4180 format. The Text import and Advanced Record Definition Editor were updated to support Delimited Extended imports.
Smart Actions	10916, 13282, 11622, 11624	Smart Actions are specialized IDEAScript macros that launch your default web browser or open a web tab in the Main window (depending on the Smart Actions script). Use Smart Actions to dynamically look up information on a single Character field cell value or multiple Character field cell values within the same record without manually copying and pasting the values into another application.
Web Tabs	12306, 13388, 12397, 12398, 12611, 12840, 13386	The Main window (formerly the Database window) in IDEA displays database tabs and web tabs. Database tabs appear when you open IDEA databases. Web tabs let users have a unified experience when accessing IDEA's web-based resources, such as IDEA Lab and CaseWare Passport. You can now access those websites within a web tab in IDEA.

This release includes the following enhancements to existing features:

Feature	ID	Case	Description
Data Files	13100,		More recent dates appear in the Samples and Tutorial Managed projects
	13309		data files.
			Due to these changes, the IDEA Tutorial, Report Reader Tutorial, and
			Advanced Statistical Methods Case Study guides have been updated.
Delete Database	11406		You can now delete the active database without closing it first.
Documentation	13208	CAS-57066-MOPOK2	Installation Guide The Installing IDEA section now includes a step detailing product registration or connecting to a CaseWare Network License Server (NLS).
	13549, 14582		Installation Guide The Hardware Requirements section now includes a note about running IDEA on an Apple macOS.
			In the Technical Notes section, the Project Overview bullet indicates that there can be Project Overview information loss if IDEA 12 Managed projects are opened in IDEA 11.x and earlier.

Release Notes

Feature	ID	Case	Description
	11354	CAS-48500	CaseWare Network License Server Installation Guide The Technical Notes section indicates that you should not install CaseWare Working Papers and IDEA on the same machine as CaseWareNetwork License Server (NLS).
	13044		IDEA Tutorial The document has been updated to follow an analytics workflow.
Equation Editor	8056	CAS-36284	Field statistics are automatically calculated when @FieldStatistics is used in the Equation Editor. You are no longer prompted to calculate the field statistics.
	9025		You can now use custom functions from the Local Library in your equations without copying them to your Current Project Library first.
	893, 9026, 9092, 11669, 13747	CAS-12926, CAS-61767	The Custom Functions dialog box includes the following enhancements: <ul style="list-style-type: none"> <li>• create custom functions and Python custom functions</li> <li>• identify the custom function type</li> <li>• format the help text</li> <li>• use Time fields as input and output parameters</li> <li>• categorize the custom functions and Python custom functions into similar groups used by the @Functions</li> </ul>
Excel Import	14132		To improve the user experience, when you import an Excel source file that contains more than 5,000 records, the preview limitation warning message appears in the Microsoft Excel import dialog box and not as a separate error message.
Exporting Databases	13318, 14386		Text Delimited exports are now saved as CSV files instead of DEL files. Existing IDEAScript macros that set the database export type as DEL will still work.
IDEA Cloud Share	4460	CAS-48275	You can now connect to a CaseWare Cloud environment that uses two-factor authentication.
	11033	CAS-46981	The Connect to Cloud login page now lets you select an option to keep you signed into the cloud for a period of time.
	11424	CAS-48272	You can now connect to a CaseWare Cloud environment that uses single sign-on.
	11569		IDEA Cloud Share now detects custom Local Library folder locations.
	11700		A more meaningful message is displayed if IDEA Cloud Share cannot find the Local Library folder.
	13342		A more meaningful message appears when a new entity has not yet been configured for IDEA.
	13421		Security enhancements were made to IDEA Cloud Share's implementation of WebView2.
IDEA Lab	13537		As a security enhancement, the IDEA Lab URL now uses HTTPS encryption.
IDEA Licensing	7553		The Authorization code field is validated in the CaseWare IDEA License Manager and CaseWare Network License Manager.
	11474		The Authorization code field is validated in the IDEA Licensing dialog box.
	12029	CAS-52138, CAS-62054, CAS-59137-J2F5N5	IDEA licensing-related error messages have been updated to provide more meaningful information.
	14229, 14031	CAS-55949	To improve the user experience in the License Registration wizard, the Copy button (and the associated messaging) has been renamed to Copy to Clipboard.
IDEA Package Import	11116		You can now import multiple files from an IDEA Package file.
Installation	11679		Installing IDEA on Windows 7 is no longer supported.
	12820, 12827		LZ4 and Zlib have been upgraded to support the removal of Visual C++ 2010 Redistributable from the installer.
	13141		The IDEA installer will no longer install Visual C++ 2010 Redistributable.
	13192	CAS-56514-YOP1D9	The extracted folder from the self-extracting installer zip file now has a more descriptive, user-friendly name.
	13424		Updated the installer to remove the runsilent.vbs dependency.

## Release Notes

Feature	ID	Case	Description
Language Browser	8849		A new API, Client.EquationEditor, has been added to the LanguageBrowser. Client.EquationEditor allows you to validate criteria in the Equation Editor and returns the equation as a string to be used in different tasks.
Library Window	12563		Similar to the drag and drop functionality in the File Explorer window, you can now drag and drop files from the Library window onto other applications.
Local Library	5981	CAS-14460	You can now configure the Local Library folder location in the IDEAOptions dialog box.
MS Office 2010	7608		IDEA 12 will not support MS Office 2010 as its EOL (end-of-life) was in October 2020.
Monetary Unit Sampling (MUS)	11950		On the Summary report, if there are no understatements, this information is excluded from the report. Only the overstatements information is displayed.
Project Overview	14352, 14353		When you open your IDEA 11.x and earlier Managed projects in IDEA 12, the Project Overview data file is migrated from the SQL Server CEfile (ProjectOverview.sdf) to an SQLite file (ProjectOverview.db).
Python Integration	10849		IDEA is packaged with the Python interpreter, Python packages, and associated files for Python 3.9.2.
	11673		You can now add and edit Python scripts using the Equation Editor.
	12580		On the IDEA Options dialog box, the <b>Run Python scripts</b> check box has been renamed to <b>Enable Python integration</b> .
	14064		Performance enhancements were made to our Python integration that enables IDEA to run faster. IDEA no longer instantiates a PythonInterpreter instance unless Python is enabled.
	10544, 10850, 11672		The IDEALib.py custom Python package includes the following enhancements:  Due to the upgrade to Python 3.9.2, IDEALib.py no longer uses Python.NET.  New functions have been added to the package. See the CaseWare IDEA Help for more information.  The project_files function no longer lists hidden files and other specific files. See the IDEA Help for more information.
Silent Install	8965, 9653	CAS-41389, CAS-39381	New silent install optional parameters let you automatically register an authorization code during the installation or automatically connect to a specified CaseWare Network License Server (NLS).
SmartAnalyzer	10704		SmartAnalyzer (English) is now available in IDEA (Japanese).
Summarization	14307		Optimized the Summarization task to increase performance.
	14387		The Quick Summarization feature includes the following performance enhancements:  The 32,000 output record limit was removed. You can now summarize up to eight fields.  All Summarization statistics are now available.  The Include % in output database and Use fields from last occurrence options are supported.
User Interface	The following enhancements have been made to improve the IDEA user experience.		
			Icon updates were implemented to give the product a more modern look and feel and better represent the underlying action.
	10692	CAS-65318, CAS-64967	When the machine that hosts IDEA is connected to multiple monitors, IDEA will now launch the main IDEA window and splash screen on the monitor it was last located. If the last known monitor is not available, it will launch IDEA on the main monitor. IDEA will always launch in the maximized state.
	11365		With the Data property enabled for the Mail window, you can now resize multiple fields simultaneously.
	12030		The following commands have been renamed:  On the View tab, in the Display group, Freeze Columns is now Freeze Fields. On the View tab, the Group group is now Records. On the View tab, in the Records group, Group Records is now Group. On the View tab, in the Records group, Grouping Off is now Ungroup.

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## Release Notes

Feature	ID	Case	Description
	12285, 12286		The Library and File Explorer windows contextual menu items were re-arranged for a better user experience.
	12351, 13030, 13417		<p>The following contextual menu enhancements were implemented on the Main window (formerly known as the Database window):</p> <p>Available right-click commands are now specific to the UI element (tab, field header, row header, and cell) in the Main window. For example, when you right-click a field header, you are presented with commands that are field-related (Field Manipulation, Add Field, etc.)</p> <p>The following commands have been renamed: Freeze Column(s) is now Freeze Field(s) Column Settings is now Field Settings Close All is now Close All</p> <p>Tabs</p> <p>Show Field Stats is now Show Inline Field Stats.</p> <p>On the Data tab, in the Fields group, the Field Manipulation dialogbox launcher has been replaced with a Field Manipulation command that appears on the tab.</p> <p>The entire field is selected when you right-click a field header in the Main window.</p>
	13807		You can now use the middle mouse button to close tabs in the Main window.

## Bug Fixes

Feature	ID	Case	Description
Documentation	9077	CAS-43924	IDEA Help Updated the Exporting Databases topic to include a note about Microsoft Excel date limitations.
	9389	CAS-40556	IDEA Help Updated the Date fields note in the @If topic to state that the TrueResult and FalseResult must be the same - either string or date.
	13287		IDEA Help Updated the Cloud Import Utility link in the Importing CaseWare Accounting Package Files topic to point to the appropriate website.
	12677, 12678	CAS-54817, CAS-54824	IDEA Tutorial Updated the instructions for the Gallery button and clicking the Y-axis in the View the Results Graph section.
	13373	CAS-57481	CaseWare Network License Server Installation Guide Updated the Technical Notes section to include information about ports 80, 443, and UDP port 5093. The IDEA Installation Guide was also updated to include this information in the CaseWare IDEA License Manager Accessibility section.
@Dtoc	13510	CAS-59632	Resolved a date mask issue.
File Explorer	13360	CAS-58125	Resolved issue encountered when trying to rename or delete a database that was imported via drag and drop onto the File Explorer window.
IDEALib.py (custom function)	9554	CAS-40849	Resolved issues caused by 0000-00-00 date values.
	12457	CAS-53943	Resolved issue where IDEALib.py could not run in the French and Spanish versions of IDEA.
Installer	12010	CAS-51803	Resolved issue encountered when a space character is in the IDEAx64install.log file path within the installer command line.
	14006	CAS-61847-L8N7Y1	All EXE components have been signed so that they are no longer flagged by security software.
Language Browser	7481	CAS-33059	Removed case sensitivity in the destination path for ProjectManagement.RenameDatabase.
	9082	CAS-39631	Resolved issue where ProjectManagement.Databases ignored lowercase file extensions.
Library	13359	CAS-58182	Resolved issue encountered when trying to rename or delete a database that was imported using the right-click Import command in the Library window.

Feature	ID	Case	Description
Random Record Sampling	11531	CAS-49435-NOD3B7	Resolved issue in the Random Record Sampling History that displayed a "Stratification from:" label instead of a "Sampled from:" label.
Report Reader	11701	CAS-49650	Resolved issues encountered when previewing a database using a registered IDEA product or when connected to a CaseWare Network License Server.
Security	14521	CAS-70582, CAS-71187, CAS-70713	Upgraded the log4net.dll so that it is not flagged during vulnerability scans.
Summarization	11385	CAS-13611, CAS-42183, CAS-50712	Resolved issue where the re-run Summarization task does not retain the Create database check box state.
Text Import	9235	CAS-40136	Resolved the empty field creation issue encountered when importing a CSV file that contains a comma at the start of a text string (e.g., ", example").
	12133	CAS-52517	Resolved crash issue encountered when importing a CSV file.
User Interface	10443	CAS-44068	Resolved issue where changing the font size also changed the font style.
	11075, 11257	CAS-47040	Updated old icons in the Field Statistics window, Print Preview dialog box, and the Active Files drop-down list.
Visualization	11670	CAS-50199	Resolved a crash issue that occurs when selecting a database when its path (path including project name but not database name) is greater than 132 characters.  An informative error message is now displayed.

### Known Issues

Feature	ID	Description
Project Overview		Due to Project Overview enhancements in IDEA 12, Project Overview information loss can occur if IDEA 12 Managed projects are opened in IDEA 11.x and earlier.
Summarization	14500	Summarization and Quick Summarization are encountering issues handling Error data and 0 (zero) data. In some cases, Error data is displayed as 0 values, and 0 values are displayed as Error.

### SmartAnalyzer

The current release provides new app-related features and some improvements of existing functions and features available in SmartAnalyzer. Note that the availability of the app- or audit test-related features depends on the apps or audit tests you have on your machine and on whether they support the new features or not.

See the New Features and Enhancements topic in the SmartAnalyzer Help available in the File tab of the Select and Run and Results and Reporting modules.

#### This release includes the following new features:

The complete SmartAnalyzer user interface has been updated to match the updated IDEA user interface. The redesigned icons better indicate the underlying functionality and provide you with an optimal user experience.

The new AutomationID tool lets you automate content items such as app workflows and audit tests. The tool reads the IDs from the SmartAnalyzer database that contains the content items of all the apps you have acquired. You can then select the content item (e.g., audit test) to automate, and the tool gets the corresponding ID information required to automate the audit tests.

#### This release includes the following enhancements: Performance improvements:

There is a significant performance improvement when running analyses if an IDEA project contains many files (e.g., more than 5,000 files in one project). There is a significant performance improvement when using the Input Assistant to enter parameters for audit tests.

#### Default document structure for SAPB. DART feature:

Validates field names in files that generate an index.xml file. Renames the imported files that do not have unique file names.

The Case Management feature supports corporate structures such as larger entities with their subsidiaries. When creating the corresponding audit folder structure in Case Management, a

SourceFiles.ILB folder gets generated for the entity and each subsidiary. Therefore, each subsidiary's source files are contained in their own SourceFiles.ILB folder.

**This release includes the following bug fixes:**

All references to IDEA Server have been removed from the app workflows. Resolved the issue encountered when trying to read the audit test resource file. Resolved a licensing issue related to the Default document structure for SAPB. DART.