

WEBCON **BPS 2025 R2**

history of changes for version 2025.2.1.91

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1. Before upgrading WEBCON BPS

1.1. Important information

- To upgrade to **2025 R2**, you need to have active **Software Assurance** for perpetual licenses or an **active subscription license**. After the upgrade, you should update your license package to avoid system interruptions. To do this, make sure that your WEBCON BPS licenses have been updated – check the availability of **WEBCON BPS Server 2025.2** licenses in the license report available in **WEBCON BPS Designer Studio (system menu in the upper left corner of the application -> Licenses)**. If necessary, download the updated licenses.
- If the changelog contains a section titled "Changes to existing features", please verify whether the changes will impact your implemented system in any way.

2. Security fixes

2.1. Updated components

- The Microsoft.Extensions.Caching.Memory component has been updated to version 6.0.3 due to the vulnerability patch:
CVE-2024-43483, CWE-400 - <https://security.snyk.io/vuln/SNYK-DOTNET-MICROSOFTEXTENSIONSCACHINGMEMORY-9712660>

3. Information

3.1. Important information

- Changes introduced in this version will break the compatibility of the Export-Import mechanism. Exported process packages created in versions **2025.2.1.42** and older cannot be imported to the newest system version. In order for an import to be possible, update the environment to the newest version and export the processes again.

4. Changes to existing features

4.1. Portal

- Updated the appearance of file-type icons in the attachments panel. The new icons align with the Microsoft Fluent UI system.
- Removed the ability to pin the instance preview sidebar when displaying a dashboard report in full-screen mode.
- Disabled the ability to change the **Application type** from the **Admin panel** for an API application that has already been saved.

4.2. Form

- Aligned the behavior of the **Choice field** across the **Autocomplete** and **Popup search window** modes when inserting values from outside the data source. Currently, attempting to copy a value from a parent form field into a dependent field (where a value from the data source was previously inserted) results in the value being cleared and the message "No exact match was found for: ..." being displayed.
- Improved **Tab** display behavior within the **Tab panel**. Tabs are now always displayed horizontally, regardless of window resolution. Users can access hidden tabs by horizontally scrolling them or clicking the ellipsis button on the right side of the tab panel. Additionally, long tab names now wrap to a new line, and are not truncated.

4.3. Designer Studio

- It is now possible to overwrite attachments in workflows where the **Attachments security level** is set to **High**. In such cases, users can overwrite an attachment as long as the form settings have the **Edit file** and **Add and delete** options enabled.
- Improved validation of the user-defined **Alternative application address** to ensure they differ from the current Portal address (preventing their configuration otherwise). Furthermore, the Alternative application addresses functionality (under **System settings** › **Global parameters**) is now disabled by default for Cloud installations.

4.4. Rules

- Modified the column sorting mechanism behavior of the **Item list** after invoking a rule on a callback. Previously, when a callback only changed the requiredness of a form field, user-defined sorting was overridden by ID sorting. Furthermore, the user-defined sorting arrow was still displayed in the column header, even though the sorting was no longer applied. Now, the user sorting is not reset after a callback rule invocation, ensuring the view accurately reflects the current list state.

4.5. Designer Desk

- Improved the layout of the Designer Desk home and project pages. Consequently, repositioned the **WEBCON BPS** text, increased spacing between elements, and enhanced the appearance of tiles containing tutorial links. The changes have improved readability and visual appeal on both desktop and mobile devices.

5. New features

5.1. Designer Studio

- A new **API definitions** node has been added to the **System settings** tab. This new node provides **System administrators** with a view of all registered **UDA** endpoints.
- Added the ability to share a complete history of selected processes with designated users. A **Full history access** checkbox has been added to the process's **Permissions** tab. To view the complete history, users granted such permissions must also possess administrative privileges or access to process instances.

6. Bug fixes

6.1. General

- Improved the operation of recalculating privileges and tasks after the end of a substitution. In the case of an expired or deleted substitution, when the option **Leave automatically delegated tasks after substitution expires** is disabled, the tasks are deleted and the user loses privileges in the workflow instances for which they were a substitute. However, if this option is enabled, the task remains assigned, but the substitute retains only read privileges. Additionally, the administrative view of the form privileges has been updated with information that a given privilege comes from a substitution, which allows for unambiguous determination of its source.
- Improved event log entries regarding document indexing errors in SOLR. Previously, when an attachment required for indexing was unavailable in the database, the system logged an error as **SOLR indexing failed**. Now, the entry has been altered to **SOLR indexing skipped due to missing attachment**, providing a more specific description of the situation.

6.2. Portal

- Fixed a display issue with **Report tiles** on **Dashboards**. Zooming the view beyond 150% resulted in incorrect Dashboard layout, even after resetting the zoom to its original setting (100%).
- Fixed a bug causing incorrect display of previous form versions. The bug resulted in displaying form fields visible in the current step, instead of the fields configured as visible in the selected step, when navigating to the **History** of an instance and opening a form version from a specific step.
- Fixed a bug that occurred when attempting to group a Report by the **[System] Workflow** column. The issue arose when the data source included a filter containing a **Choice field** and **Person or group** form fields belonging to different workflows.
- Fixed an issue with NULL values in report data grouping during application import. The issue occurred when a private view utilized a column removed during import.
- Resolved a display issue with a **Vacation schedule** added to the **Dashboard** using the **Add existing report or report tile** button. Due to the bug, the schedule would not appear after exiting edit mode.
- Fixed a bug that resulted in the first path transition date in the **History** of an instance being set for both the first and second transition. The bug occurred after archiving the instance and resulted in shifting the path transition dates throughout the History, making the actual last path transition date completely invisible.

- Fixed the Portal telemetry malfunction, which was incorrectly logging individual request processing stages. Improved tracking mechanism now provides a complete and consistent record of the process, enabling better problem diagnosis.
- Improved the **Application supervisor** widget behavior. Now, the user's profile photo within the widget dynamically resizes with the widget's width changes.
- Fixed the search issue in the **Search Everywhere...** feature, which occurred when a special character was present in the search query.
- Fixed an error encountered when displaying the task counter in an embedded element. Previously, attempting to open a link within this element returned a 404 error.
- Improved the loading performance of the **My tasks** tab after applying the **New** filter on the BPS Portal.
- Fixed an issue where the bottom of the calendar report in **Month** view was cut off on smaller screens - added a vertical scroll so that all calendar content is now accessible. Additionally, in **Week** and **Work Week** views, improved handling of parallel events - a maximum of two are displayed, and the rest are accessible via the **Show more** button.
- Fixed the behavior of the report filters. Previously, switching between the **Starts** and **Contains** filtering modes did not refresh the search results. After the fix, changing the mode now refreshes the result list.
- Fixed incorrect attribution of editing time in analytical reports. The update resolves an issue where the time spent editing a form was being assigned to users from the previous step instead of those currently assigned to the task. Now, the times are correctly attributed to the users involved in the given step.
- Fixed incorrect system behavior when saving custom folder visibility settings. Due to a bug, newly granted folder access permissions were removed after clicking the **Save** button. These permissions were then restored after adding and saving permissions for other users or groups.
- Improved filter list behavior in the report. After selecting and applying a filter, the list of values no longer automatically scrolls to the top. Upon reopening the dropdown, filters appear in the list at their original positions.
- Fixed an issue with chart display for pie and donut charts when data is missing. Previously, missing data caused display errors, such as "e.data.datasets[0] is undefined" or "Cannot read properties of undefined (reading 'backgroundColor')". Now, charts are correctly displayed as empty without errors when data is absent.
- Fixed the flickering issue affecting the **Filter** widget embedded on the **Dashboard**. This issue occurred when using custom zoom levels (Firefox 80% and Chrome 75%) in the browser.

6.3. Form

- Fixed a bug affecting the function that inserted the sum from an **Item list** column into a specified form field. Due to the bug, the digit 0 was not inserted into the form field when the Item list had no rows.
- Resolved an issue preventing loading the history of archived instances. Improved data validation by adding NULL handling to translated list item column values.
- Fixed a bug that prevented width constraints defined in the **Width** field (in the column configuration window) from being respected for **Item list** columns. This issue affected **Single line of text** and **Calculated text value** columns, causing them to expand when non-breaking character strings were inserted.
- Expanded the time display format in tooltips for instance **History**. As a result, seconds are now shown in addition to hours and minutes.
- Improved dynamic column width adjustment in the **Item list**. The fix addresses a situation where the column width wasn't maintained after selecting a value from a choice column.
- Fixed the filtering bug in the **Report** displayed on the form via the **Report** form field. The bug prevented the Report filtering by the **[System] Step** column from narrowing down displayed items, even when a specific step was selected. This occurred if the **All** option was selected in the **Process** field (**Source** tab) of the data source configuration.
- Fixed the bug causing the form page to continuously load after selecting the next step transition path. This issue occurred when a **Form rule** checking data validity in a text form field was invoked after changing its value, and the user subsequently attempted to proceed along the path after correcting the data.

6.4. Designer Studio

- Modified the title and content of the final item in the **Comprehensive training program (Additional courses)** section on the Designer Studio homepage. The item is now titled **Expert courses** and includes details about specialized trainings.
- Fixed a bug where a checkbox configured within a **Data row** form field was not visible. This occurred when an **SQL query** returning static HTML checkbox was defined within the form field, and the **Encode dangerous HTML tags** checkbox was unchecked in the configuration.
- Fixed a bug that appeared on SOLR reports. Previously, importing a **Document templates process** with the **Replace all instances** option enabled resulted in the report displaying both the replacing and replaced elements.
- Fixed the bug causing incorrect sorting of values in the **Choice field** operating in the **Dropdown** mode. Previously, values in this form field were not sorted alphabetically, despite the **Sort by Display Field** option being selected.

- Fixed a bug that caused excessive saving time for application configuration changes. This issue occurred only during the first save after opening Designer Studio.
- Fixed the import mechanism for the application's home page. Due to the bug, modifications in the home page structure, such as the layout of **Start** buttons, were not imported correctly.
- Fixed the application import bug. Deselecting and then reselecting the **Application home** node during import previously triggered an error. This occurred if the imported application lacked any items, such as **Reports**, **Dashboards**, **Start** buttons, under the **Configuration** node.
- Removed an incorrect translation of the German version of the user interface for Microsoft Entra ID authentication providers. Previously, the fields "Application ID" and "Tenant ID" were incorrectly translated as "Kunden ID" and "Client Secret," respectively. They will now use the original English proper names consistent with Microsoft Graph - "Application ID" and "Tenant ID".
- Fixed a bug that caused incorrect filtering of the user and group synchronization history. The bug prevented filtering by the **Status** column.
- Fixed the import of e-mail templates. The error caused the template translations to not be removed correctly.
- Improved user and BPS group creation handling. Previously, attempting to add a user or group with an existing BPSID failed. Now, the action succeeds, and the system indicates that the provided BPSID is already in use. Furthermore, during synchronization, if an existing user from the data source had the same BPSID as a newly created group, the user from the source now takes precedence.
- Enhanced handling of adding, updating, and deleting **Process phases**, steps, and paths.
- The **Applications import report** has been improved. Previously, when importing an application that included changes to the names of workflows, paths, or processes, the import report either lacked the relevant information or contained incorrect details.
- Fixed an issue related to decrypting license information. Due to incorrect decryption, incomplete data was being saved in the database.
- Fixed a bug affecting the editability of the filter button in **Choice fields** within standard processes. The button became inactive when users navigated to the configuration window of such a form field directly from the configuration window of an **Absence type** system form field in an absence process.
- Fixed an issue preventing application removal. Occasionally, the system displayed messages that the removed application was still in use, despite that not being the case.

- Fixed subordinate structure synchronization mechanism. Previously, synchronization issues occurred when a user had inactive direct subordinates, leading to errors or incorrect subordinate structure display. Now, the synchronization correctly ignores inactive users and does not attempt to create entries with empty data, ensuring consistent and accurate data.

6.5. Actions

- Corrected the error encountered when modifying attachments using the DOCX file modification action configured in a **For Each** operator based on an **Item list**. Previously, the modification action incorrectly used data from the wrong item list.
- Improved the **Clear Item List** action import. Previously, the functionality failed to operate correctly after transfer to a different environment, due to a missing item list mapping.
- Fixed a bug in the **Invoke SOAP Web service** action that returned the phrase "System.Byte[]" instead of Base64 format values when mapping values returned by the Web service to **Item list** columns. The values mapped from the form fields to the **byte[]** request field as a result of the action are now also in Base64 format.
- Fixed the saving of changes made in the configuration of the **Add Substitution** action. The issue was that modifications made in the SQL query editor (accessible by clicking the three dots) were not being saved.
- Fixed an error that occurred when closing the filter editor in the configuration of the **For each** operator in automations. After the fix, closing an empty filter editor no longer causes a `NullReferenceException`.
- Fixed an issue preventing the addition of a BPS user with a profile picture in an attachment using a cyclical **Add BPS User** action.
- Improved data cleaning issues in the **Invoke REST Web service** action configuration, addressing collection type changes. Enhanced error messages for the **User Defined API** endpoint, providing clearer communication regarding potential effects of changing the collection type.
- Improved handling of invalid JSON format in the **Invoke REST Web service** action. Previously, attempting to load a JSON template containing data in the request header resulted in an error.
- Fixed an bug that occurred when using a **SharePoint list** data source in **Timer** or **On start (cyclical)** actions.
- Fixed the mechanism for transferring values between the **Choice list** form fields. Previously, when using the **Change value of single field** action to transfer responses from one form field to another, values for the **ID + Name** tag were transferred incorrectly. Now, values are transferred correctly regardless of how the data is entered.

- Improved the attachment sorting within PDF/DOCX files merged using the **Merge attachments into Word/PDF file** action. Previously, attachments were sorted disregarding the database order and not aligning with the **Merge order: according to SQL** configuration option. Now, attachments are sorted according to the chosen configuration.
- Improved the connection type selection issue in the **Invoke REST Web service** action configuration. Previously, a user configuring the action could not change authentication methods (e.g., from OAuth) even when an alternative option was available in the configuration.
- Fixed the mechanism for generating Word documents using the **Generate/Update a Word file** action when they contain **Handwritten signature** or **Image** form fields. Previously, if these fields were empty, the Word document displayed a yellow area with the form field name. Now, empty fields display a blank image instead.

6.6. Rules

- Fixed a bug in the migration script's algorithm for converting rule configurations from XML to JSON. The bug caused a timeout for the script when the database contained more than 20,000 business rule definitions.
- Fixed a bug where the value displayed in a **Widget** form field was not recalculated after a change in a related form field. This issue occurred when a business rule configured in the Widget field included an **SQL COMMAND** function referencing a form field value.
- Fixed an issue with displaying the parameter value in business rules. The fix ensures that the parameter value is correctly substituted in the SQL command when the rule is tested. Previously, the value "{brp:id}" was returned instead of the expected value.
- Corrected the issue where warning messages appeared in the system when switching instances on the **My tasks** view. This occurred when a form rule triggered a business rule but lost the form context, resulting in empty values being sent to the business rule.
- Fixed an issue with loading the creation date of a workflow instance in the **Business Rules** editor. Previously, the variable returned the current date; now, it correctly returns the instance creation date.

6.7. Data sources

- Improved the error message displayed when a calculated column is misconfigured in a **SearchIndex**-based report. The updated message is now more user-friendly and clearly informs the user about an issue with the SOLR query.

6.8. Mobile app

- Resolved the issue preventing data source configuration saving on landscape-oriented tablets. Scrolling to the bottom of the window and saving will work correctly.

6.9. Service

- Improved handling of throttling of sending administrative notifications by WEBCON WorkFlow Service. A default limit of one email per minute within a given notification category has been introduced. The limit applies per service instance.
- Fixed an error that caused empty **Mass notifications** to be sent. Empty messages were sent to users who had only CC tasks assigned.

6.10. Designer Desk

- Fixed intermittent bug encountered when users performed two consecutive form field configuration saves. This resulted in errors appearing after navigating to the **Field matrix** page and during documentation generation.

WEBCON **BPS 2025 R2**

history of changes for version 2025.2.1.42

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1. Before upgrading WEBCON BPS

1.1. Important information

- To upgrade to **2025 R2**, you need to have active **Software Assurance** for perpetual licenses or an **active subscription license**. After the upgrade, you should update your license package to avoid system interruptions. To do this, make sure that your WEBCON BPS licenses have been updated – check the availability of **WEBCON BPS Server 2025.2** licenses in the license report available in **WEBCON BPS Designer Studio (system menu in the upper left corner of the application -> Licenses)**. If necessary, download the updated licenses.
- If the changelog contains a section titled "Changes to existing features", please verify whether the changes will impact your implemented system in any way.

2. Bug fixes

2.1. Portal

- Fixed the "Cannot read properties of undefined (reading 'original')" error that occurred after deleting the last button in the **Description panel** widget on the application dashboard.

2.2. Form

- Fixed a bug that caused the message "Not found" to be displayed after expanding the value filter from the column context menu on the **Report** attribute.

2.3. Rules

- Fixed an issue with passing automation parameters after using the **FOR EACH** operator. Previously, automation variable values were not passed correctly after the **FOR EACH** loop ended, causing an attempt to read those variables to return empty values. The issue has been resolved so that parameter passing now works correctly.

2.4. Service

- Fixed an error that caused empty **Mass notifications** to be sent. Empty messages were sent to users who had only CC tasks assigned.

2.5. Designer Desk

- Fixed a bug that occurred when editing and saving HTML in the **Designer Desk** form editor. Fixed to prevent loss of changes during undo/redo operations, and restore unsaved changes.

WEBCON **BPS 2025 R2**

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1. Before upgrading WEBCON BPS

1.1. Important information

- To upgrade to **2025 R2**, you need to have active **Software Assurance** for perpetual licenses or an **active subscription license**. After the upgrade, you should update your license package to avoid system interruptions. To do this, make sure that your WEBCON BPS licenses have been updated – check the availability of **WEBCON BPS Server 2025.2** licenses in the license report available in **WEBCON BPS Designer Studio (system menu in the upper left corner of the application → Licenses)**. If necessary, download the updated licenses.
- This update changes the SOLR search database structure. During the update, it will be necessary to provide the SOLR database admin's password – in order to update the database and correctly complete the update process.
- If the changelog contains a section titled "Changes to existing features", please verify whether the changes will impact your implemented system in any way.
- Due to security-related changes (new certificate for signing files), remembered user settings for Designer Studio and Workflow Service will be wiped clean.

Please prepare the following information:

- When updating the service component, the installer will ask for the **service account login and password**.
- When launching Designer Studio for the first time after the update, the **Portal address** will not autofill (it will need to be entered manually).

2. Security fixes

2.1. Updated components

- The SOLR component has been updated to version 9.8.1 due to the vulnerability patches:
 CVE-2024-52012 – <https://nvd.nist.gov/vuln/detail/CVE-2024-52012>
 CVE-2025-24814 – <https://nvd.nist.gov/vuln/detail/CVE-2025-24814>.
- The dompurify component has been updated to version 3.2.4 due to the vulnerability patches:
 CVE-2025-26791, CWE-79 – <https://security.snyk.io/vuln/SNYK-JS-DOMPURIFY-8722251>.
- The @babel/runtime component has been updated to version 7.26.10 due to the vulnerability patches:
 CVE-2025-27789 – <https://github.com/advisories/GHSA-968p-4wvh-cqc8>.
- On the page containing the redirection to the WEBCON BPS login screen on mobile devices, similarly to the rest of the system, a mechanism has been used to connect only to trusted sites. In the event of an attempt to redirect to an untrusted site, an appropriate message is displayed and the redirection is blocked.
- A security feature has been introduced to prevent users without administrator privileges from performing the **Generate an HTML printout** action.
- The following components have been updated:
 - @gorhom/bottom-sheet to version 4.4.4,
 - @react-navigation/devtools to version 7.0.15,
 - @react-navigation/native to version 7.0.14,
 - expo to version 52.0.27,
 - react-native to version 0.76.6
 due to the vulnerability patches:
 CVE-2024-55565, CWE-20 – <https://security.snyk.io/vuln/SNYK-JS-NANOID-8492085>,
 CWE-772 – <https://security.snyk.io/vuln/SNYK-JS-INFLIGHT-6095116>.

3. Information

3.1. Important information

- Changes introduced in this version will break the compatibility of the Export-Import mechanism. Exported process packages created in versions **2025 R1** and older cannot be imported to the newest system version. In order for an import to be possible, update the environment to the newest version and export the processes again.

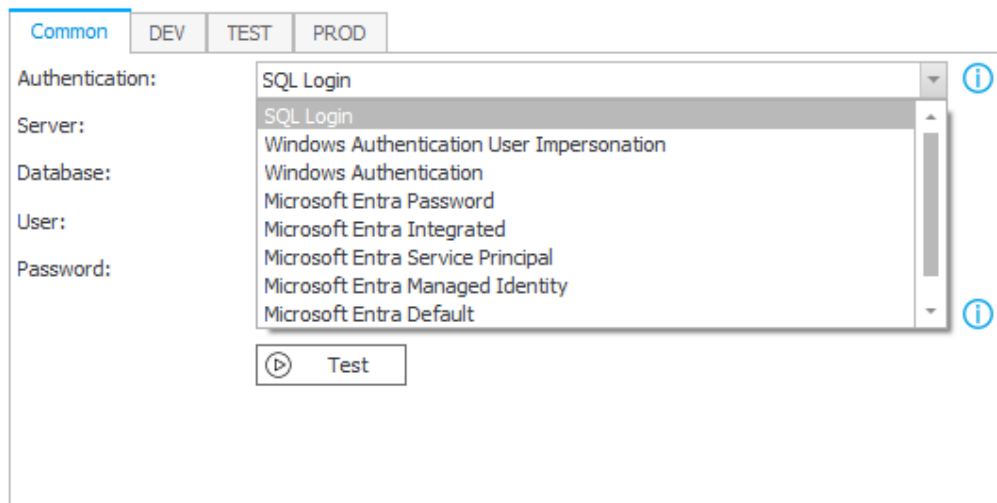
3.2. General

- Standardized the name for the free WEBCON BPS license. It is now consistently referred to as **Freemium Edition**. As a result, this new name replaces other variants – **Freemium**, **Express**, and **Express Edition** – across the platform, including the WEBCON BPS installer, Designer Studio, and Portal. This change applies to all language versions of the platform.
- Due to certain components being marked as Deprecated or Obsolete, the following changes have been made:
 - Microsoft.AspNetCore.Mvc.Versioning has been replaced with Asp.Versioning.Mvc
 - Microsoft.AspNetCore.WebUtilities version 2.2.0 has been updated to version 2.3.0
 - Microsoft.Net.Http.Headers version 2.2.0 has been updated to version 2.3.0
 - Microsoft.AspNetCore.Http version 2.2.2 has been updated to version 2.3.0
 - System.Data.SqlClient 4.6.1 has been replaced with Microsoft.Data.SqlClient
- Updated the footer information in documents containing process documentation, personal data report, and the WEBCON BPS license usage report. This update applies to the PL, EN, and DE language versions.

4. Changes to existing features

4.1. General

- Changed the names of selected **Authentication** types available in the **MSSQL database** connection configuration. The change consisted in replacing the phrase "Active Directory" with "Microsoft Entra".



- If **Content-Security-Policy** was added to the **Custom response header** list, **blob** support next to **img-src** will be added automatically. This is because OCR verification step requires blob image loading to function correctly.
- Modified the message displayed when activating a **Freemium Edition** license in an environment with multiple content databases. The message currently reads: "Multiple Content databases are not available on the Freemium Edition".
- The actions **Start a subworkflow** and **Start a subworkflow (SQL)** have been renamed to **Start workflow** and **Start workflow (SQL)**, respectively. The configuration and operation of the actions remain unchanged.

4.2. Portal

- Modified the behavior of reports embedded within dashboards. Now, the **Import from ZIP/Import from EXCEL** and **Export to ZIP/Export to EXCEL** buttons are not active for dashboard reports in edit mode.
- Added a warning message to prevent users from leaving a dashboard with unsaved changes. The message is triggered when a user attempts to start a new instance from a report that has been added to the dashboard but not saved. Additionally, in dashboard edit mode the links are inactive.
- Aligned task counter names across Portal. As a result, the **My** phrase has been replaced with **Active**.

- Changed the behavior of the **Absence chart** form field in case of an incorrectly configured company organizational structure (e.g. if the user is defined as their own supervisor). In such a situation, an error message is displayed when trying to load the Absence chart.
- Implemented several cosmetic modifications to the Portal and application webpages, including reports, dashboards, and navigation elements. These changes included dynamically adjusted width of tiles in the Portal and application webpages, adding a lock icon next to private view names, and updating control appearance.
The appearance of checkboxes, text fields, radio buttons, and Portal buttons was aligned with the existing graphic interface. Additionally, the modifications involved redesigning Toast notifications, displayed in the Portal upper right corner window and informing about operation status, and standardizing the style of links and tooltips. We also refreshed the appearance of the **Calendar** report and added a tooltip displaying the specific date to the **Absence chart**, which appears when hovering over the day-of-the-week heading.
- The behavior of the **Navigation grid** widget tile embedded on the application dashboard has been changed. Previously, users had to click the respective button to navigate to the defined application element. Now, users can click anywhere on the tile to achieve the same result. Additionally, the button can be hidden by removing its label.

4.3. Form

- Increased the character limit in choice fields and columns from 1000 to 4000 characters. Due to this, the upgrade may take more time. Depending on the amount of data collected in the database, executing the update script may take from several to several dozen minutes.
- Optimized form loading by skipping the query that retrieves tasks for a user's subordinates when unnecessary.
- In the form information panel, in the section displaying the current workflow step and the steps already completed, the last workflow step will always be visually marked as completed.
- Enhanced the highlighting behavior of the **Item list** and **Data table** form fields. The updated highlighting color improves row differentiation, making it easier for users to identify the currently hovered row.
- Modified the system behavior for transferring the cursor between columns in the **Item list** using the TAB key. The cursor now moves to the next editable column, skipping those that are read-only.
- Updated the Toast message displayed on successful authorization of path transition. As a result, the message has been aligned with a similar message displayed when authorizing form fields.

- Modified the display of values that do not fit within the controls of the **Choice field** in the **Popup search window** and **Autocomplete** mode. Now, when selecting such a value in the form field, it is displayed in a maximum of two lines ending with an ellipsis.
- Modified the system behavior when clicking a .tiff file attached to the form. Clicking such a file now initiates a download, as the preview function is not available for this file type.
- Modified the error message displayed when transitioning a path for which the **Comment required** option (on the **Parameters** tab) is set, if the **Comments** field has been configured as invisible on the respective form.
- The behavior of the **Multiple lines of text** form field available in **Read-only mode (cannot be modified except by JavaScript)** has been changed when the form is in edit mode. In this case, the form field is displayed with the number of lines set in the configuration, but if its value exceeds this number, a vertical scrollbar appears in the field.

4.4. Designer Studio

- Modified the default setting for the **Do you want the imported process <process name> (<process id>) to be in deployment mode?** checkbox, which appears during process import when email notification redirection is enabled in the deployment settings. The checkbox is now, by default, unselected to prevent unintentionally disabling email notifications in the target environment.
- In the path configuration window (**Path details**), on the **General** tab, the **Documentation** field has been resized so that it always matches the size of the **Path description in tooltip** field. Changing the size of the path configuration window now results in a corresponding change in the size of the **Availability restriction on form** field.
- Modified how the **Data table** form field presents links. Previously, if the **Instance hyperlink** checkbox was selected for a column but the data source did not return a valid hyperlink, no value was displayed. Now, in such cases, the column shows the returned data as text.

4.5. Data sources

- A mechanism has been added to prevent a **Data row** from being configured in such a way that the **SQL query** to the **Data source** contains a reference to the currently configured Data row (looping).
- In WEBCONAPPS-SaaS installations, the ability to configure connections to SharePoint 2013 has been hidden – only connections to SharePoint Online and SharePoint 2016/2019 remain available. The change is due to the lack of support for older versions of SharePoint.

5. New features

5.1. Rules for using AI functionalities

DISCLAIMER!

AI features are based on solutions from third parties, **OpenAI Ireland Ltd** or **Google Cloud Poland Sp. z o.o.** (AI providers). Using AI functionalities is tantamount to accepting the current terms of cooperation with AI providers, which are outlined in the EULA when installing the new version and/or in the WEBCON EULA.

This version introduces new features that use LLM models, such as AI actions, AI rules and the AI Assistant (Process Builder) available in Designer Desk. All of these features require an additional type of licenses called **AI Token**, available only in the subscription model. Each activation of a feature using AI will subtract from this **AI Token** pool. Additional details concerning **AI Token** pricing are available in the license price guide.

The rules for using **AI Tokens** and the way in which data is shared to the models has been described in the EULA document. Currently, AI functionalities in the system use **Google Gemini 1.5 Flash** and **Google Gemini 2 Flash** models. If Google services are unavailable, the system will use **OpenAI GPT-4o mini** as backup.

AI models are accessed in the moment a feature is invoked (e.g. an action is triggered) by using the available Proxy. Due to this, the system environment must have constant access to <https://aiservices.webconapps.com>.

System administrators can monitor the usage of **AI Tokens** through a report in the Admin panel on Portal under **User management** → **Users and licenses** → **AI Token Settlements**. Detailed information concerning **AI Token** pricing is available in the license price guide.

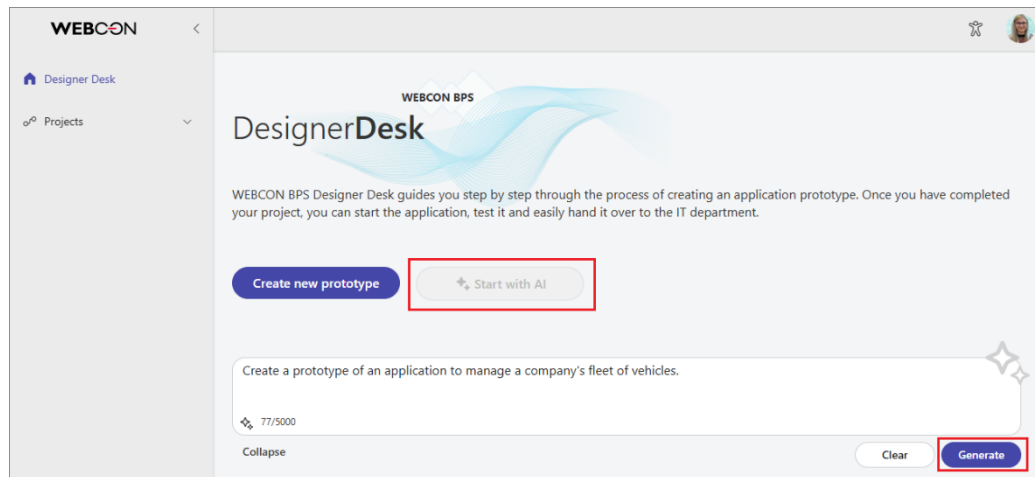
5.2. AI Process builder in Designer Desk

It is now possible to use artificial intelligence to automatically create application prototypes in WEBCON BPS Designer Desk.

Note: the functionality requires an additional dedicated license. For more information, see the "Rules for using AI functionalities" section.

Home page

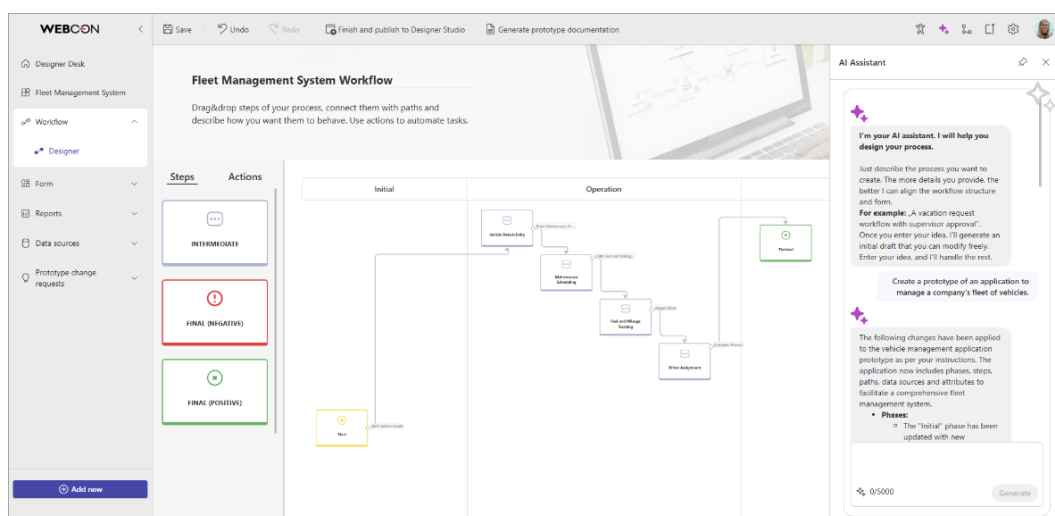
WEBCON BPS Designer Desk has undergone significant visual and functional changes. A new **Start with AI** button has been added to the home page. After pressing the button, a text box appears where the user can interact with the AI assistant by entering information about the application prototype they would like the assistant to help them create. The message cannot exceed 5,000 words. (Once pressed, the button is no longer active.)



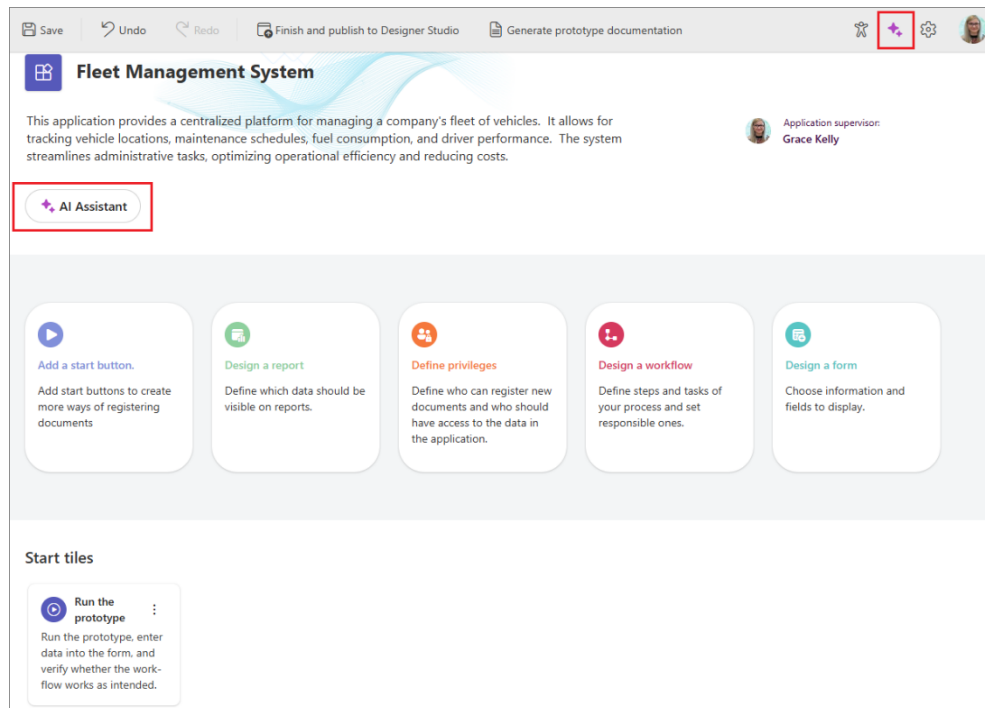
After clicking **Generate**, AI creates a prototype of the given business application, designing a process, workflow, form, etc. for it.

Prototype development

After the application prototype is automatically generated, a page with the design of its workflow opens. In addition, the **AI Assistant** window is displayed on the right side, which allows the user to continue the conversation with the AI assistant and give it further commands to modify the created application prototype.



The application prototype created in this way can be edited both manually and with the help of artificial intelligence. The AI Assistant window can also be opened by clicking the stars icon in the top menu or by selecting the dedicated button on the prototype home page.



This option is also available for existing prototypes and can be used to automatically modify or reconfigure them.

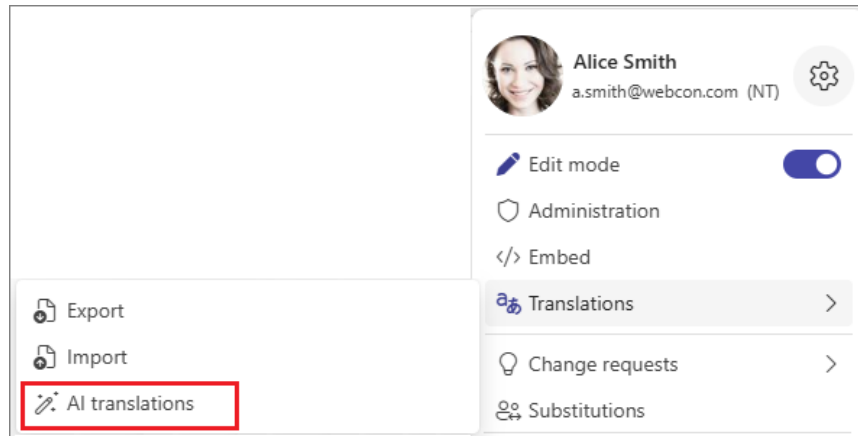
5.3. AI translations

WEBCON BPS has been enhanced with functionality for automatic translation of application configuration elements and presentation layer (reports and dashboards) using artificial intelligence.

Note: the functionality is based on an external AI model and requires an additional license. It is also worth remembering that the automatic generation of translations may affect their content and accuracy. For more information, see the "Rules for using AI functionalities" section.

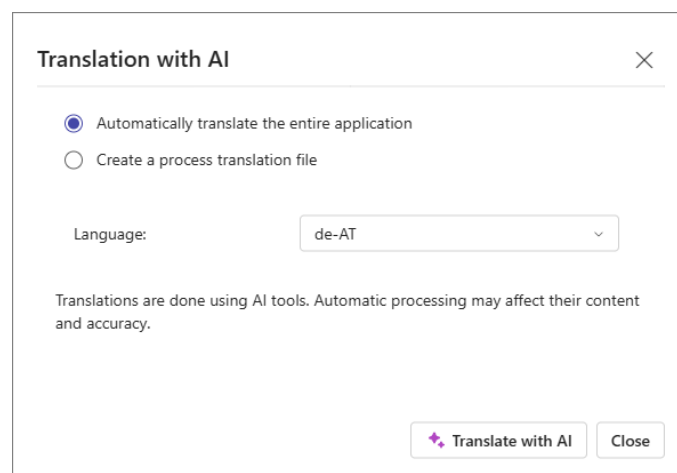
Translations of applications and processes

In the user menu, in the **Translations** section (visible on the application page, after entering the **Edit mode**), an AI translation option has been added.




After selecting it, the **Translation with AI** window opens, where two options are available:

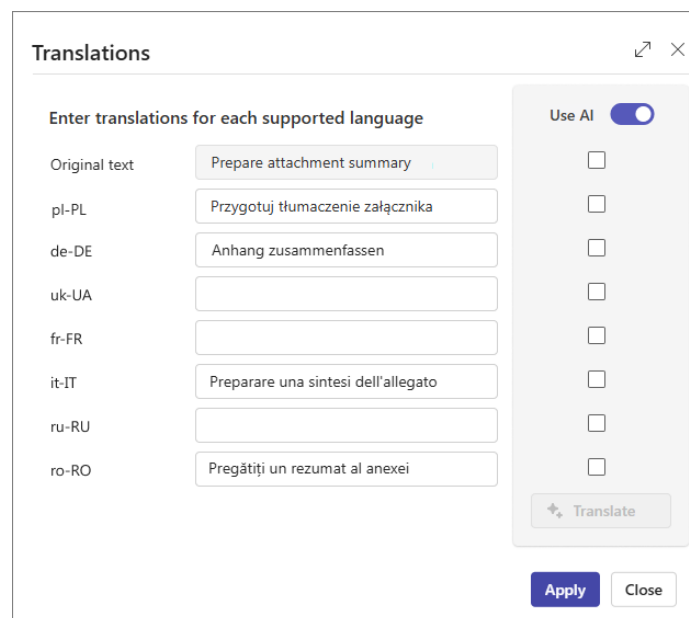
- **Automatically translate the entire application** – the configuration elements of the application are automatically translated into the selected language (the list of available languages is determined by the **Translation languages** defined in the **System settings** in WEBCON BPS Designer Studio).
- **Create a process translation file** – after selecting this option, specifying the process and the translation language, and confirming with the **Translate with AI** button, a file with the process configuration elements is created, in which a column with their translations in the selected language is automatically added. If the process configuration elements already had translations in the selected language, they will not be overwritten by the automatic translations. In addition, AI-translated values in the file are highlighted in blue. The file prepared in this way can then be loaded using the standard translation import function.



Translations of multilingual fields

In Portal, it is now also possible to use AI to translate individual text fields related to process configuration elements, such as the names of form fields, steps, and paths in the **Process design**, as well as the names of reports, their columns and views, and the names of dashboards and their widgets. This means that the functionality can be used for all fields marked with the translations icon  in Portal.

A **Use AI** slider has been added to the **Translations** window, which can be opened by clicking on this icon. Its activation is equivalent to activating the checkboxes added next to the fields with language codes. Checking one of these boxes will activate a new **Translate** button. When it is pressed, the original text of the field is automatically translated by the artificial intelligence into the selected languages. By clicking **Apply**, the user can approve the translation suggestions for the original name of the configuration element.



| Language | Original text | Translation | Use AI |
|---------------|-------------------------------------|-------------|-------------------------------------|
| Original text | Prepare attachment summary | | <input checked="" type="checkbox"/> |
| pl-PL | Przygotuj tłumaczenie załącznika | | <input type="checkbox"/> |
| de-DE | Anhang zusammenfassen | | <input type="checkbox"/> |
| uk-UA | | | <input type="checkbox"/> |
| fr-FR | | | <input type="checkbox"/> |
| it-IT | Preparare una sintesi dell'allegato | | <input type="checkbox"/> |
| ru-RU | | | <input type="checkbox"/> |
| ro-RO | Pregătiți un rezumat al anexei | | <input type="checkbox"/> |

Buttons: Translate, Apply, Close

5.4. AI Create transcription

WEBCON BPS now has a new action group named **AI** where the action **AI Create transcription** has been added.

The action uses artificial intelligence to create a transcription of an audio recording attached to a workflow instance in .wav, .mp3, .aac, .ogg vorbis, or .flac format. The voice memo transcription created by the action can then be saved as a value of the **Multiple lines of text** or **Comment** field, or as an attachment in the form of a text file (in .txt, .docx, .pdf, or .pdf/a format).

Note: the action requires an additional dedicated license. For more information, see the "Rules for using AI functionalities" section.

Configuration - AI Create transcription

Attachments to be processed

☒ Category:
None

☐ Dynamic:

☒ Select:
All attachments

☐ Regular expression:

☐ SQL query:

Save as:

Field value

Field:

<Choose>

Comment's author:

System

Result file settings:

File type:

TXT

File name:

File description:

Category:

The same category as source file

Dynamic:

☐ Overwrite if attachment with this name already exists

Values

Enter text to search...

Name

System fields
Form fields
Global constants
Process constants
Context variables
Automation context variables
Attachment details
Performance indicators

☐ Switch all editors into advanced edit mode

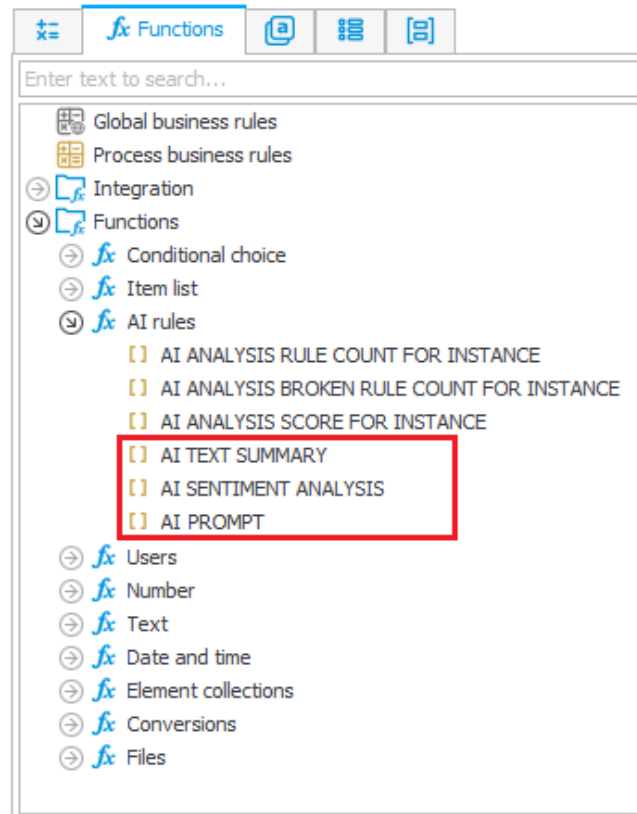
Save

Cancel

5.5. AI rules

Three new functions have been added to the **AI Rules** group in the **Business rules** configuration – **AI TEXT SUMMARY**, **AI SENTIMENT ANALYSIS**, and **AI PROMPT**.

Note: these functions are based on an external AI model and require an additional license. For more information, see the "Rules for using AI functionalities" section.



AI TEXT SUMMARY

The function uses artificial intelligence to create a summary of text taken from form fields, attachments (using the **GET ATTACHMENTS** function), or manually entered as one of the function's arguments. It is possible to specify the maximum number of words in the summary to customize the length of the summary. Depending on the length of the source text, the rule execution time may increase.

AI TEXT SUMMARY [GET ATTACHMENTS ...] [1000]

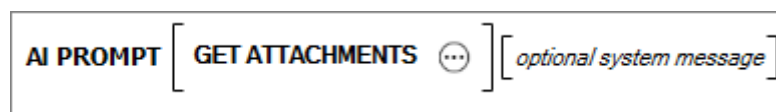
AI SENTIMENT ANALYSIS

The function uses artificial intelligence to analyze the emotional overtones of a text, i.e. its sentiment. The analysis can be performed on text entered manually as one of the function's arguments, text retrieved from attachments (using the **GET ATTACHMENTS** function), or form field values. The result of the analysis is presented as an integer within a specified range, where extreme values indicate negative or positive sentiment, and intermediate values, close to the middle of the range, correspond to neutral sentiment. By default, the scale is -1 to 1, but the user can customize it, keeping in mind that the scale range should include at least 3 values, such as 0 to 2 or 1 to 3.



AI PROMPT

The function allows the user to pass their own commands or system instructions to communicate with the AI model and receive a text value in response. The function takes two arguments: the first is used to define the command text that will be passed to the model (entered manually, retrieved from an attachment using the **GET ATTACHMENTS** function, or retrieved from a form field), while the second is optional (it plays a supporting role) and allows the user to pass texts that are system instructions.



In its simplest form, the function can take a single variable that is a general question, e.g. "Compare the advantages and disadvantages of contract and B2B employment". The function can also operate on any number of attachments (provided by the GET ATTACHMENTS function), which will be analyzed/processed based on the command entered as the function's second variable, e.g. "Write what are the contractor's obligations under the attached contract and its appendices". The command can also be passed in the content of one of the attachments of the workflow instance.

5.6. Dashboard grid and widget configuration changes

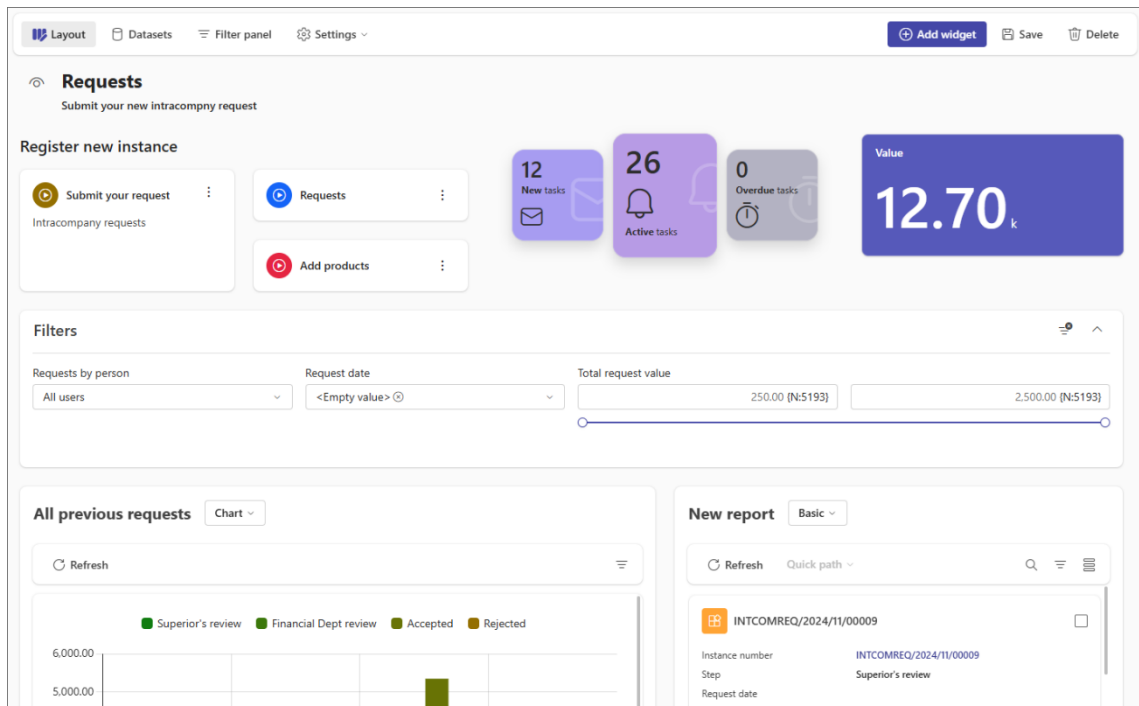
Modified the dashboard design process by implementing a design grid and introducing changes to the widget configuration. As a result, improved dashboard space management and provided designers with greater flexibility in widget placement and management.

Grid-based dashboard design

A design grid, visible only in the **Edit** mode while dragging a widget, has been applied to the dashboard space. The grid's width consists of 12 columns, while its height is not fixed and is determined by the number of rows. It organizes the dashboard space and streamlines its design. Thanks to its feature that automatically moves widgets upward (as close to the upper edge as possible), it enables optimal utilization of available space.

Note: a twelve-column dashboard view automatically adapts to the screen width. For narrower screens, widgets adjust to a six-column grid, and for very narrow screens (e.g., on mobile phones), to a one-column grid. As a result, users can edit widget locations only in the twelve-column view, which is available only for screen resolutions above 1024 px.

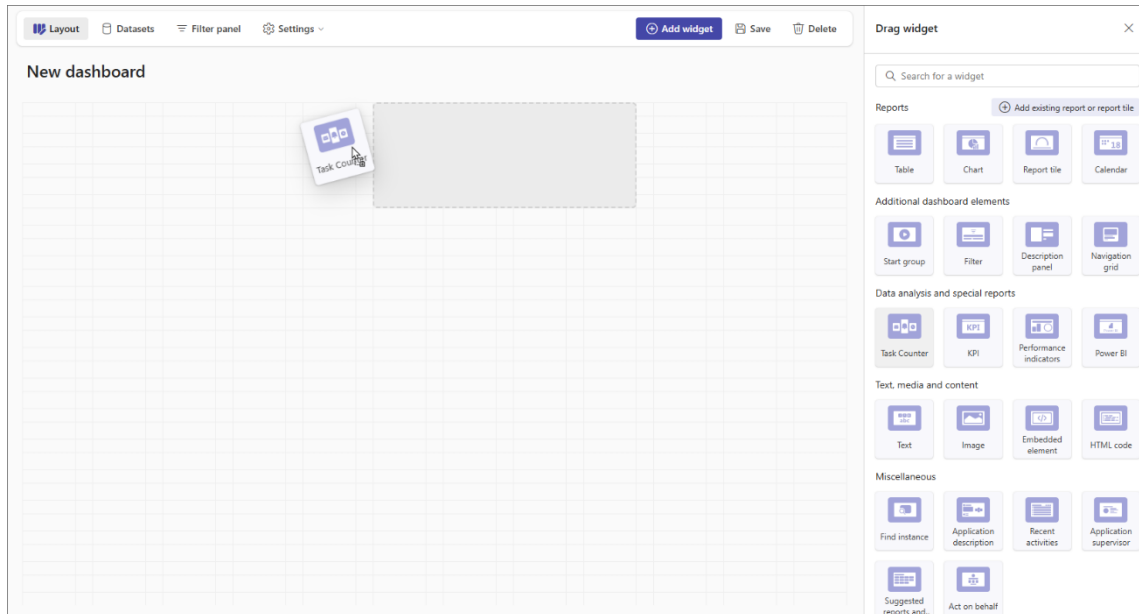
Along with the addition of the design grid, a field has been added to the upper part of the dashboard, allowing users to enter the dashboard's name and description.



Note: updating to the newest version may change the size and appearance of dashboard components, which may require modifications to their configuration. This is particularly relevant in scenarios where the dashboard contains an HTML code widget with unconventional code.

- **Changes to widget embedding**

Following changes to the widget embedding process on dashboards, the **Add widget** button has been introduced in the upper panel of the widget configuration window. Clicking this button opens the widget panel, where users can add widgets by dragging and dropping them into available spaces within the widget grid. (The new platform version no longer requires creating dashboard sections.) As part of the new approach to managing grid space, the vertical alignment option from previous platform versions has been removed.



New widget: Separator

A new widget, **Separator**, has been added. This widget allows users to divide the dashboard grid space with a horizontal line that spans the full width of the grid. Once embedded, it serves as the upper edge to which widgets located below it are automatically moved.

Changes to existing widget configurations

Given that the widgets are currently automatically aligned with the grid, it is no longer possible to set custom margins.

Note: after updating the platform to the latest version, the widget width is adjusted according to the width of the section in which it was originally embedded. This means that the widget width will be 33%, 66%, or 100% of the dashboard width.

It is now possible to define the width of the area occupied by widgets. The configured width is either automatically filled with widget content (e.g., **Table**, **Report tile**) or gradually expanded as new elements or information are added to the widget (e.g., **Start group**, **Suggested**). In addition, for the report-type (e.g., **Table** or **Chart**), **Image**, and **HTML code** widgets, users can manually adjust their height or select the **Automatic height** option, which adjusts the height based on the content (the height of other widgets is always automatically adjusted to their content).

Apart from the above-mentioned changes, individual changes to specific widgets are outlined below:

- **Start group**

The appearance of the **Start** buttons embedded within the widget has been modified to improve legibility across different screen setups. As a result, the option to align the widget to the right has been removed, and a new option to configure a Start button within the widget has been added. Users can now create a Start button at the widget level.

- **Report tile**

Users can now adjust the width and height of the tile by stretching it, which also affects the font size of the value displayed within the tile. As a result of this change, it is no longer possible to define the tile's height, width, or font size in the widget configuration. (Additionally, the size and type of the heading font are now standardized and cannot be modified.) It is now possible to define an expected value and change the color of the tile or bar once that value is reached (for the **Progress bar**, **Circular progress bar**, and **Gauge** widgets, users can also define a maximum value). The **Footnote** field has been replaced with the **Description tooltip** field – the description now appears when hovering over the tooltip button in the tile's upper-right corner. For the **Numeric value** tile, the **Basic** layout scheme has been removed. After the update, existing widgets using this scheme will be replaced with the **No accent** style.

Note: after the update, the widget height will be set based on the value from its previous configuration; however, it will be adjusted to align with the new design grid. (For values entered in units other than pixels, the default tile height will be applied.) Additionally, since the original sizes of the value and header fonts are not considered when calculating the target widget height, minor differences in the widget's appearance may occur after the update.

- **Image**

The image displayed within the widget now automatically adapts to its size. As a result of this change, the **Horizontal align** option from the previous version has been removed.

Note: similar to the Report tile widget, after the update, the height of existing Image widgets will be set based on their previous configuration, with adjustments made to fit the new design grid. (If the previous configuration used the “auto” value or specified units other than pixels, the **Automatic height** option will be applied after the update.)

- **Application description**

A gradient background has now been applied to the widget.

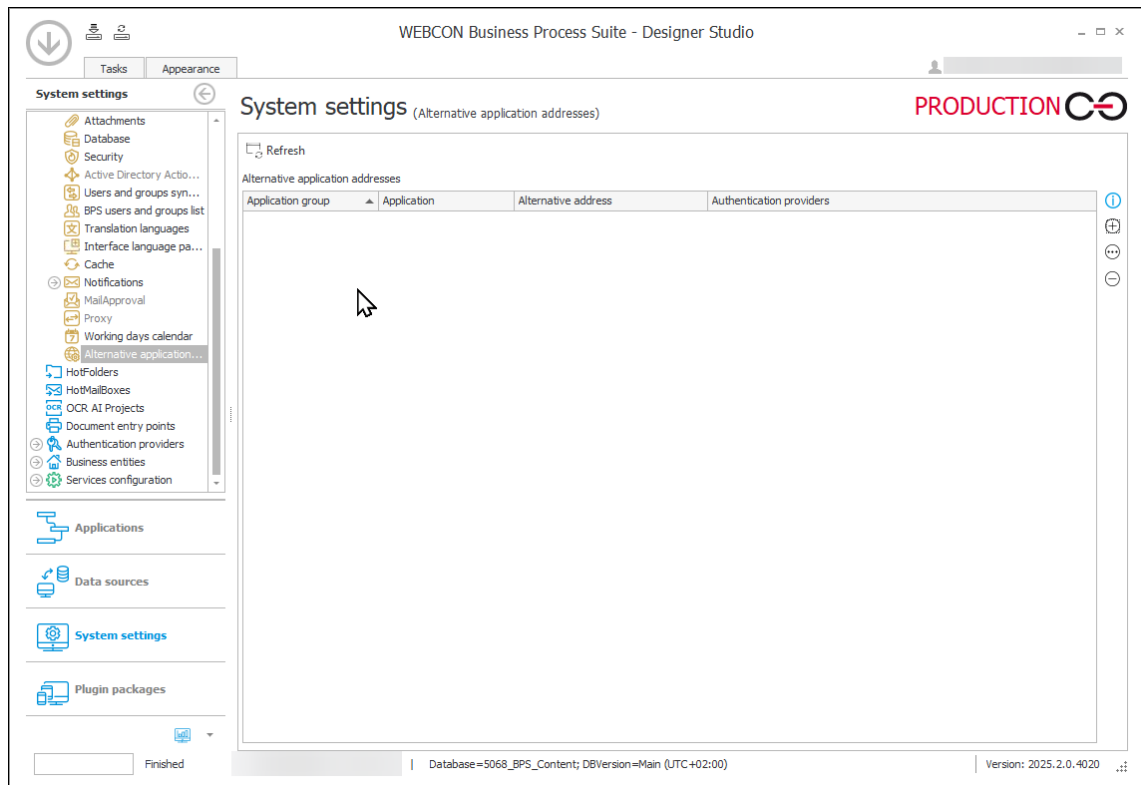
- **HTML code**

The HTML code widget replaces the **Embedded element** widget available in previous versions of the platform. After the update, all widgets of this type previously embedded on the dashboard will be replaced with the HTML code widget.

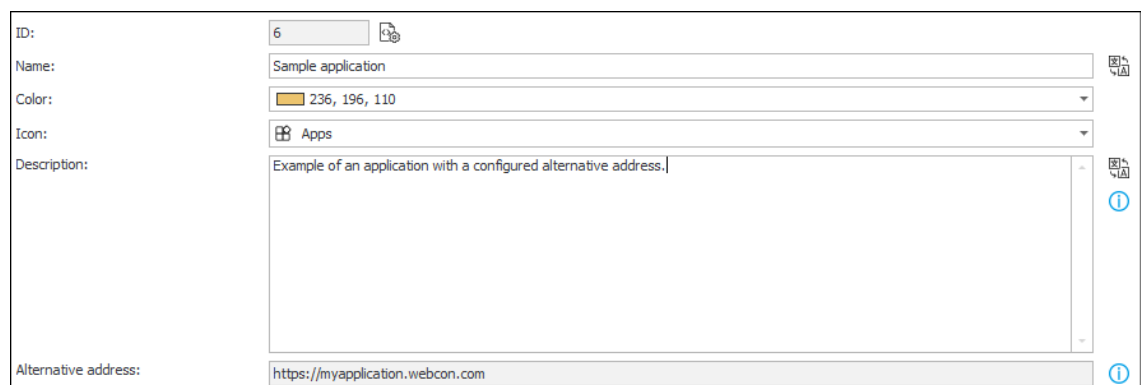
5.7. Alternative application addresses

Added the ability to configure an **Alternative application address** – a URL address under which the application will be available to users. When accessing an application through an alternative address, users may only work in that one application and will not have access to others. Links generated from the application will take the alternative address into account.

An alternative address may be configured in the **Alternative application addresses** node of the **System settings**.



A correctly configured address will appear in the application configuration.



The configuration involves defining an address and choosing an authentication provider. The users will use this provider to log in, at least one must be chosen.

Alternative address configuration

Application: ? <Select>

Alternative address:

Authentication providers active in the application with alternative address:

| Provider Name | Enabled |
|--------------------------|--------------------------|
| Windows Active Directory | <input type="checkbox"/> |

Add Cancel

Alternative address may be defined as subdomain (e.g. <https://myapplication.webcon.com>), but will require an additional certificate.

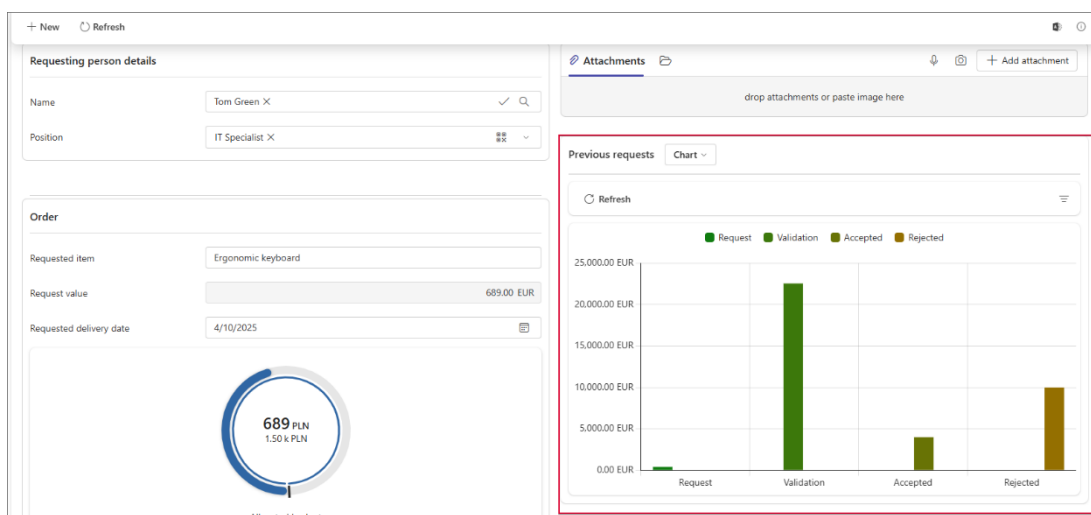
In order to ensure that the alternative address works for the application, additional network infrastructure configuration is necessary (DNS Alias, IIS, firewall).

The application alternative address functionality can be used only in environments where no Portal virtual directory (RunningAddress) was defined during installation.

5.8. New form field type: Report

The **Data presentation** form field group has been expanded to include a new form field, **Report**, which allows users to create independent reports and display them as a table, chart, or calendar on the form.

The report created through the form field offers most of the functionalities available in the application report. As a result, users can not only manage the displayed data (e.g., filter, sort, and search data, or hide columns), but also change the report view and export the report to an Excel file. The form field enables previewing instances listed in the report through a side panel that expands from the right-hand side.

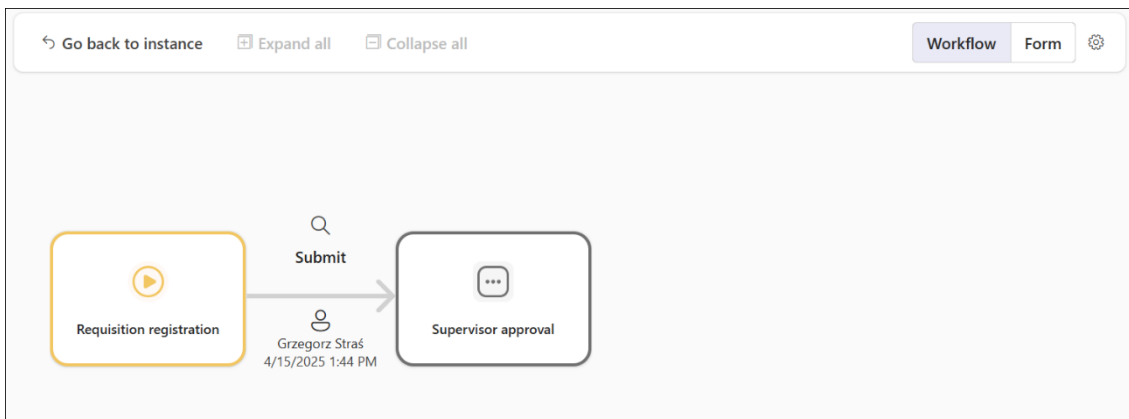


The **Report** field presents data sourced exclusively from a BPS internal view data source, with the option to create a new source or connect an existing one. Within the form field configuration window (specifically the **Filter** field), users can define an additional filter that narrows the report data based on values entered into form fields. The report is configured directly in Designer Studio (under **Advanced configuration**), in a window that – apart from the **Data source** section – generally mirrors the dashboard report configuration window (note that the report cannot be configured at the form level). Changes made within the report configuration are saved in the process's **History of changes**.

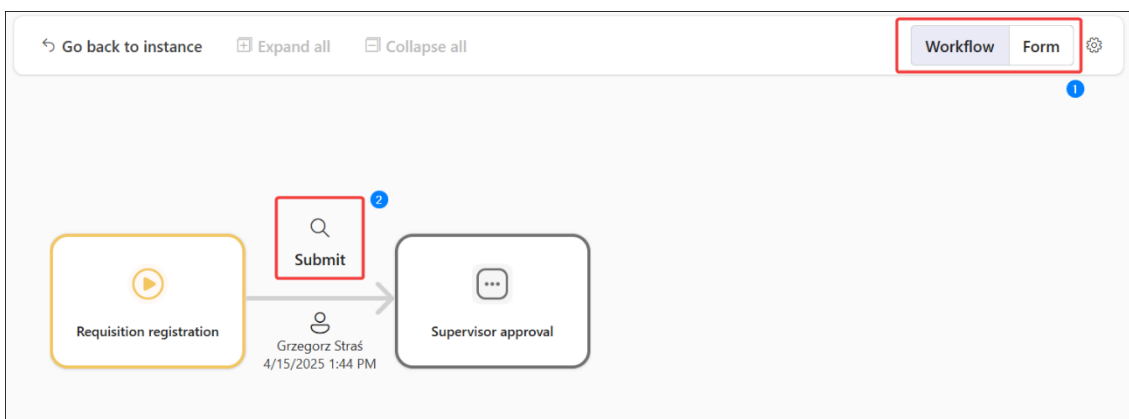
The screenshot shows the 'Konfiguracja' (Configuration) window. At the top, there are checkboxes for 'Pokaż nazwę atrybutu' (checked), 'Pokaż opis atrybutu', and 'Wczytaj na żądanie'. Below these are tabs for 'Widoki', 'Panel wyszukiwania', 'Uprawnienia', and 'Dostosuj układ'. The 'Widoki globalne' section is active, showing a list of views. The 'Podstawowy' view is selected, and a '+ Dodaj' button is visible. Below this, the 'Konfiguracja widoku : "Podstawowy"' section is shown. It contains a table with columns: 'Kolumny widoczne', 'Menu akcji', 'Link', 'Agregacja', and 'Opcje w'. The table has two rows: one for '[Systemowe] ID' and one for '[Systemowe] Sygnatura'. The 'Menu akcji' column has checkboxes for both rows. The 'Link' column has checkboxes for both rows. The 'Agregacja' column has dropdown menus for both rows. The 'Opcje w' column has checkboxes for both rows. To the right of the table is a 'Kolumny ukryte' (Hidden columns) section with a list of columns: 'Imię i nazwisko', 'Nazwa zamówienia', and 'Wartość'. At the bottom right, there are 'OK' and 'Anuluj' buttons.

5.9. Compact instance history

Added a simplified **Instance history** view intended for all users.



The view contains a compressed instance history: it shows the steps that the instance was in, skipping **Flow control** steps. The history of changes in this view is also limited to changes made by the given user – they will not be able to see changes made by other users.



Users with access to the full history may switch views in the top right corner (1). The form preview is limited to changes made by the given user (2).

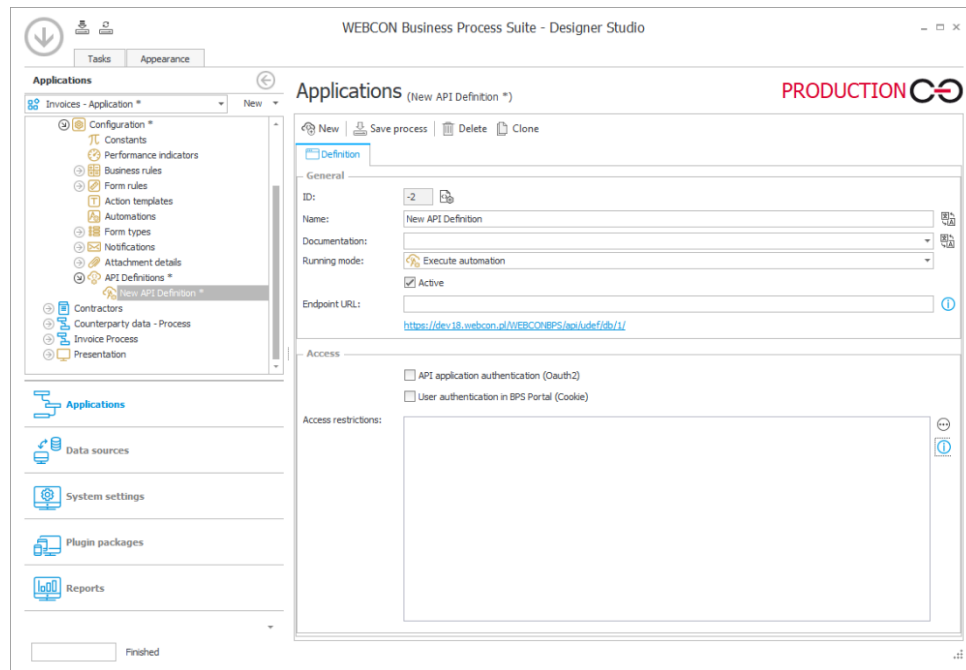
The full (regular) history can still be accessed by **Administrators**, **Auditors**, users with **Access to all instances** (on process and workflow levels), as well as users with privileges granted via actions.

Users with full access will see all steps and instance versions on the simplified view.

The **Add privileges** and **Remove privileges** action can now manage access to the instance history – however, to add privileges to the history, the user must first have privileges to the instance in question.

5.10. API definitions

In the process configuration, an **API definitions** node has been added to create the definition of a simple API and ultimately to integrate the external system with WEBCON BPS.



Using the provided API, the external application will be able to execute the specified automation, retrieve and filter values from any data source, and retrieve the values of a workflow instance.

Specifying the **Endpoint URL** where the definition will be available to be called by the external system is critical for the functionality to work correctly. If the API operation mode requires a reference to a workflow instance, the API call path ends with an additional segment that contains the workflow instance ID.

In the case of an API definition configured in the context of a process, two authentication methods are available, i.e., **API application authentication (OAuth2)**, using a token, as for a public API, and **User authentication in BPS Portal (Cookie)**.

An API definition can be accessed by users with privileges for the application in which the definition was created, as well as users with appropriate permission scopes, as long as authentication is performed using the API application. However, it is possible to restrict access to the definition with a **Business rule**.

5.11. Access authorization to report columns

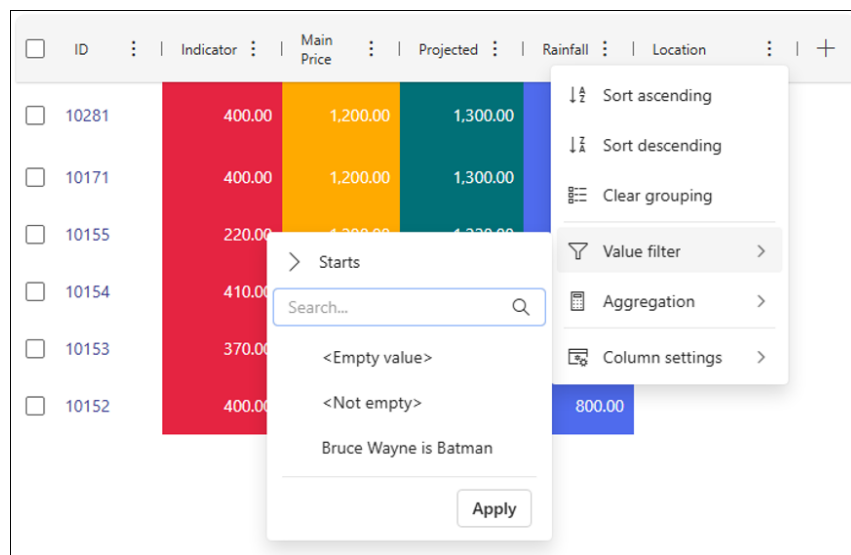
Added the ability to authorize access to report columns. A form field that has **Access authorization** configured on it can now be added as a column of a **Table report**. It may not be used in a chart or calendar view.

| <input type="checkbox"/> | ID | Indicator | Main Price | Projected | Rainfall | Location |
|--------------------------|-------|-----------|------------|-----------|----------|--|
| <input type="checkbox"/> | 10281 | 400.00 | 1,200.00 | 1,300.00 | 800.00 |  Restricted access Click to authorize |
| <input type="checkbox"/> | 10171 | 400.00 | 1,200.00 | 1,300.00 | 800.00 | |
| <input type="checkbox"/> | 10155 | 220.00 | 1,200.00 | 1,220.00 | 780.00 | |
| <input type="checkbox"/> | 10154 | 410.00 | 1,300.00 | 1,350.00 | 900.00 | |
| <input type="checkbox"/> | 10153 | 370.00 | 1,130.00 | 1,200.00 | 730.00 | |

After successfully authorizing, all columns that require authorization will be visible.

In the configuration of the report, columns that require authorization cannot be used for **Grouping** or **Additional filters**.

However, on the report, it is possible to group/filter by the column after access has been successfully authorized.

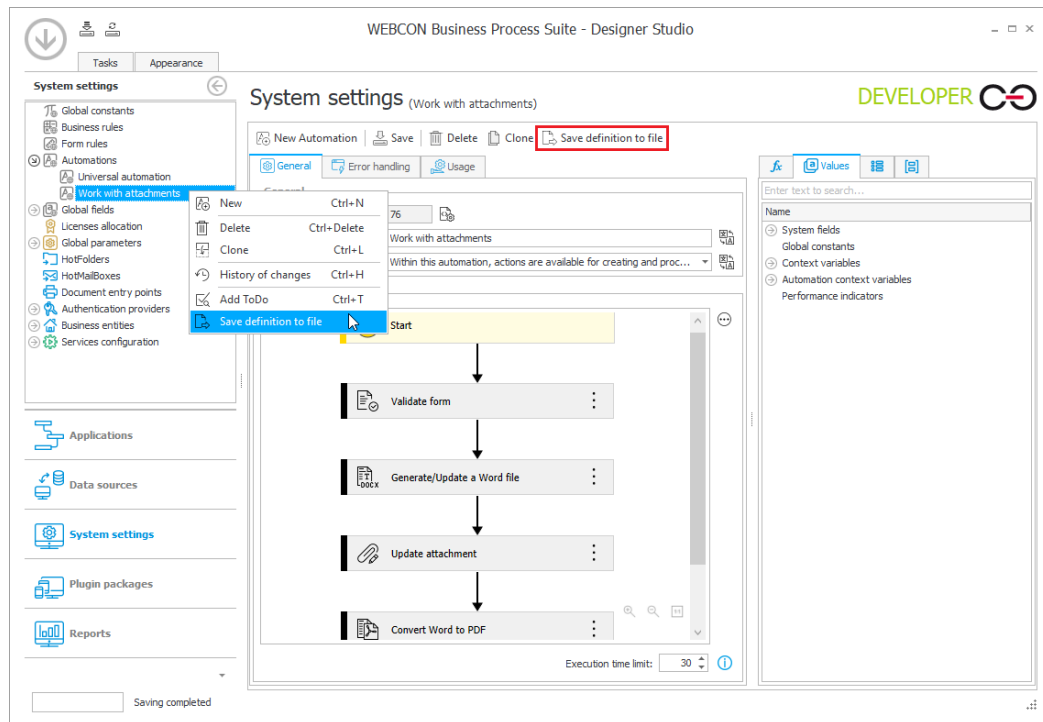


5.12. Saving and loading global automations to/from a file

The ability to save the **Global automation** configuration to a file and then import it to another environment and/or installation has been introduced.

Saving an automation to a file

Once the automation to be shared has been created and saved, it can be exported to a .bpa file by selecting **Save definition to file** from the top menu or context menu of the global automation tree. The file will be saved to the specified location on the local disk.

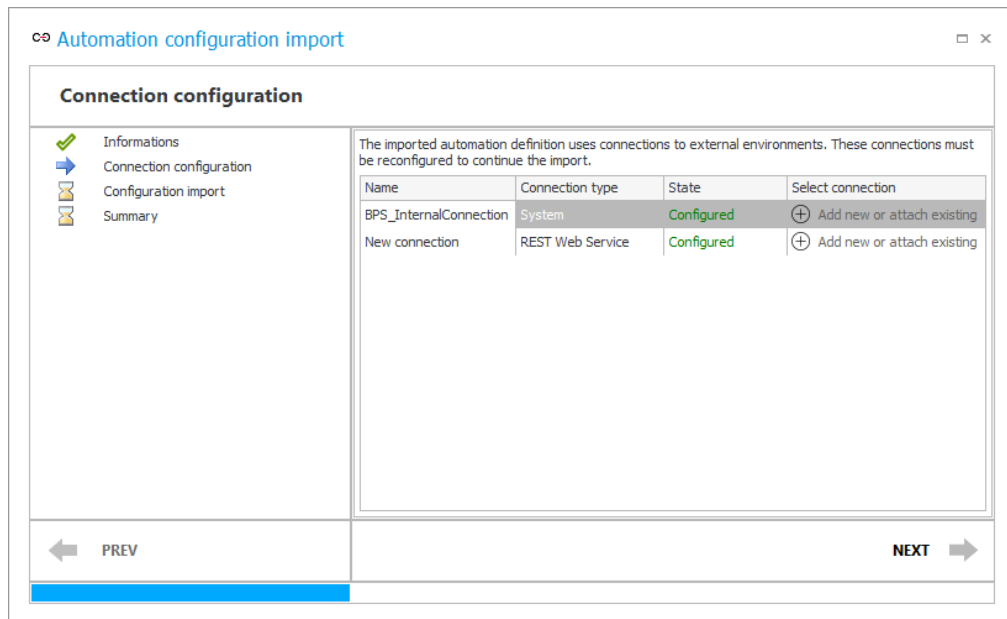


Note: it will not be possible to create a file with a global automation definition if it contains references to another **Global automation**, **Global business rules**, **Global constants**, **Data sources** or **SDK plugins**. In this case a message will be displayed and the exported automation will need to be reconfigured.

If there are references to **Connections** in the automation definition, any sensitive data present in their configuration, such as user logins and passwords, secrets, etc. will be removed during export.

Loading an automation to a file

Importing a global automation into the target environment is done by selecting the **Load definition from file** option from the top menu or context menu of the main global automation tree. Once the location of the .bpa file has been specified, the **Automation configuration import** wizard is launched. The **Connection configuration** step displays a list of all the connections used by the automation. In order for the import to continue, an existing Connection that the automation will use after the import must be specified, or a new Connection must be created based on the imported data. Such a new Connection can be temporarily saved even if not all its parameters (including the sensitive data removed during the export) have been specified, but their subsequent completion is necessary for the correct operation of the imported global automation.

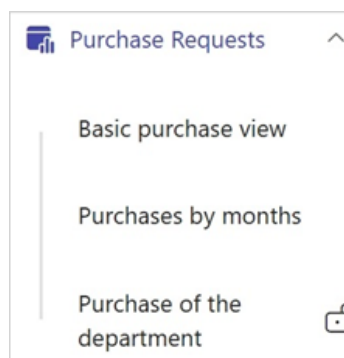


It should be noted that it is possible to import global automation configurations within the same major versions of the system, or from a lower to a higher version (provided that the configuration structure of the elements that make up the imported automation has not been modified).

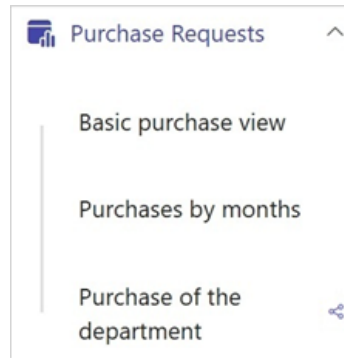
5.13. Seeing a shared private view in the browser

After opening another user's Private View, the user will see the name of this view in the Report header and in the navigation menu. This will persist after exiting the view.

When a user's Private View is shared with the public, it will be indicated by an open padlock icon.



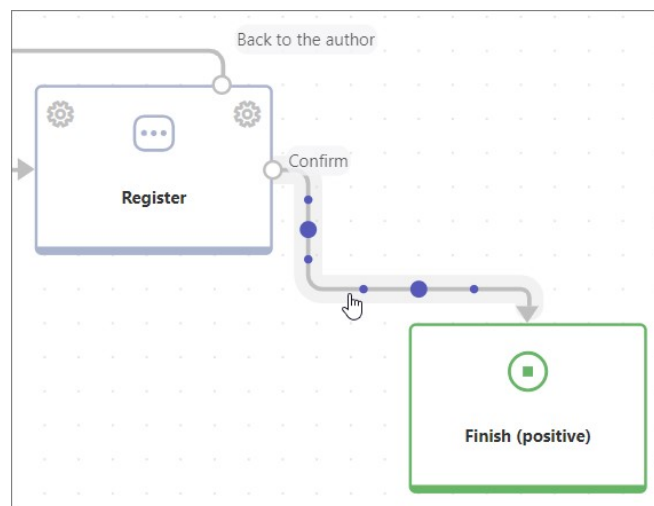
If another user is seeing a view that has been made available to them, they will see a sharing icon.



5.14. Editing the position of paths in Workflow designer

The ability to manually adjust the position of paths in the **Workflow designer** in WEBCON BPS Designer Studio and WEBCON BPS Designer Desk, as well as on the **Process design** and **Heatmap** pages in **WEBCON BPS Portal** has been introduced.

These modifications allow users to change the position of a path that, e.g. overlaps another path, improving the overall readability of the workflow diagram. For this purpose, special editing points have been added in the middle of each path section. Clicking on a larger point and dragging it in the desired direction causes a corresponding change in the position of the associated path section, always keeping the section aligned with the **Grid**. Clicking on a smaller point, on the other hand, creates an additional path breaking point. A double left click on a larger point is equivalent to restoring the previous state of the corresponding path segment. Note that editing points are only available for sections of path that are at least three grids long.

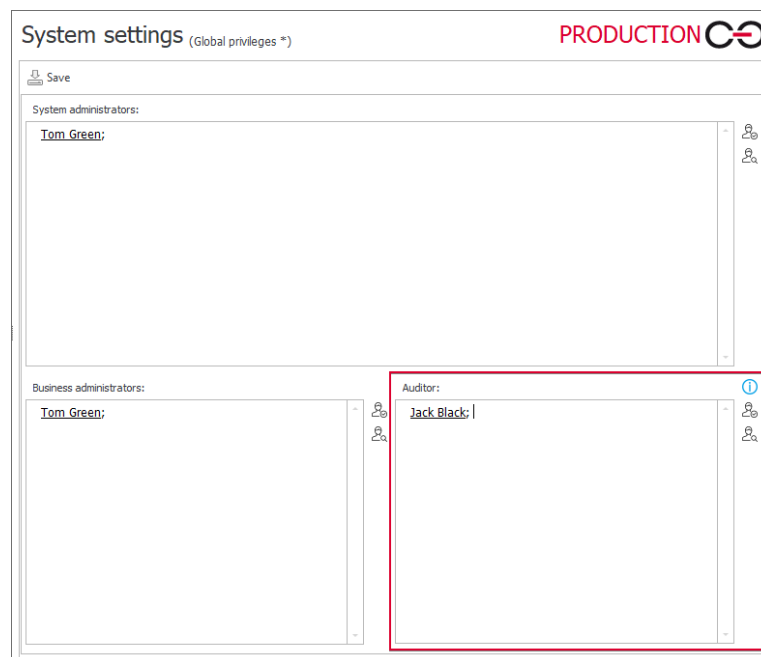


Changes have also been made to the size and placement of ports on step blocks. In addition, it is now possible to route the path so that it is above adjacent steps when edited and below them when already drawn. If a loop is detected, the entire path is automatically redrawn.

5.15. New role: Auditor

Introduced a new type of privileges: **Auditor**, which replaced the previous type **Workflow data read-only access**. Unlike the replaced privileges, the Auditor role provides access in read-only mode to all applications published in a specific environment, including to dashboards, reports, and entered data. At the same time, an individual holding these privileges cannot start new workflow instance and access **Start** buttons.

Any WEBCON BPS user can be granted the Auditor privileges in the **Global privileges** window (**Global parameters** → **System settings**).



5.16. Workflow phases and actors in reports and rules

The system now includes some additional references to **Workflow phases** and **Workflow actors**.

Reports

A new column, **Workflow phase**, has been added to the system columns available in the report configuration. When selected as one of the report columns, it will contain the names of the workflow phases for the instances displayed in the report, determined by the step in which the instance is located. The column is available for reports with both **SearchIndex** and **SQL** sources and can be used to configure **Calculated columns**, default filters, row coloring, dashboard value filtering, etc.

Dataset columns

| Form field | Name | Default view |
|--------------------------|------|-------------------------------------|
| [System] ID | | <input type="checkbox"/> |
| [System] Instance number | | <input checked="" type="checkbox"/> |
| Date of registration | | <input type="checkbox"/> |
| Participant | | <input checked="" type="checkbox"/> |
| Webinar name | | <input checked="" type="checkbox"/> |
| Description | | <input type="checkbox"/> |
| Date | | <input checked="" type="checkbox"/> |

+ Add default columns
+ Add calculated column

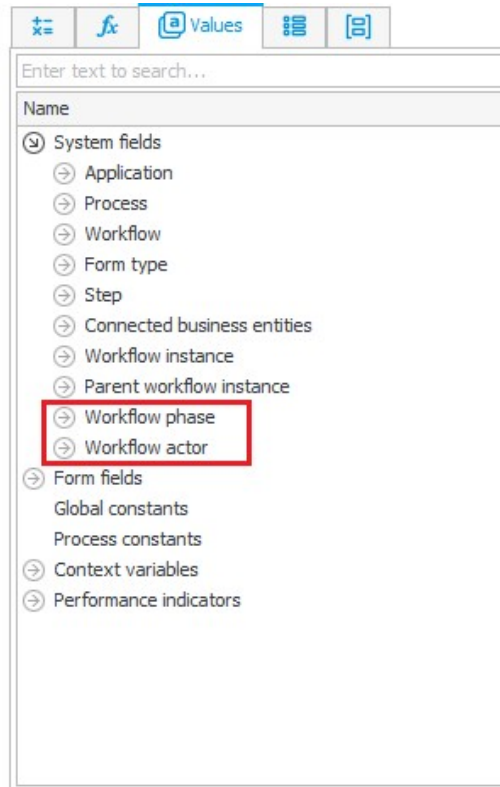
Columns

Search

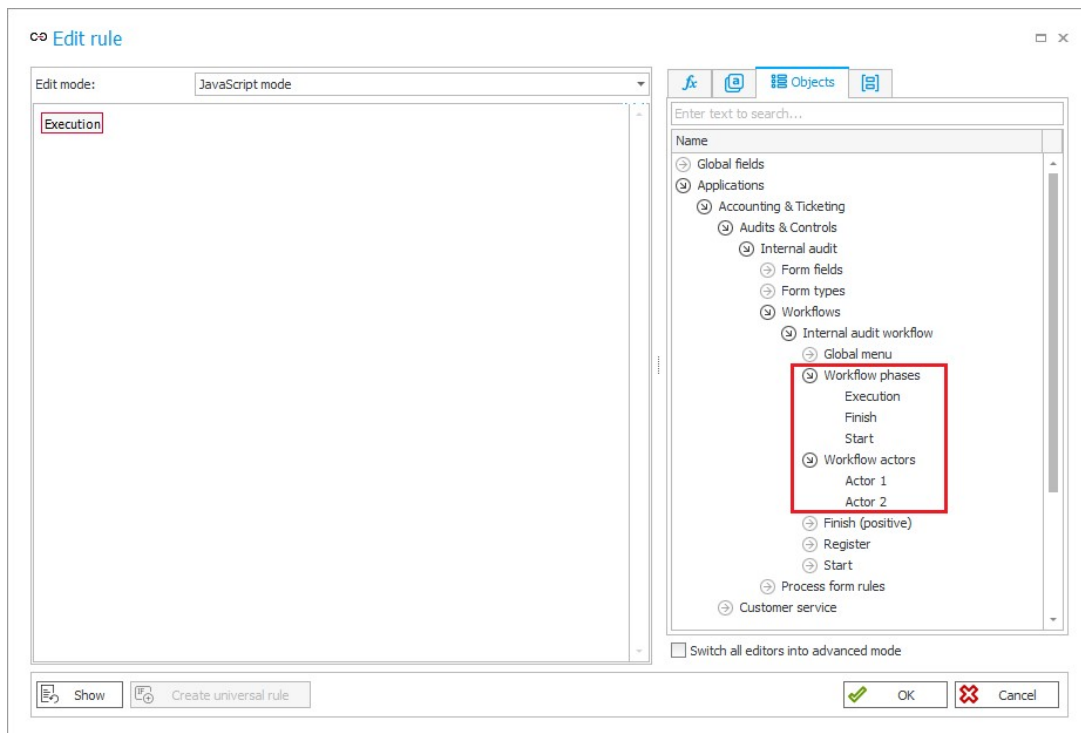
- System
 - Process
 - Form type
 - Workflow
 - Step
 - Workflow phase**
 - Created by
 - Assigned to
 - Modified by
 - Created date
 - Created date and time
 - Modification date
 - Modification date and time
 - Duration
 - Duration in working days
 - Hours in step

Business rules and Form rules

Workflow phase and **Workflow actor** variables are now also available in the dictionary of the **Expression editor** displayed when creating Business rules and Form rules in WEBCON BPS Designer Studio. They can be found in the **Values** tab under **System fields**, as long as the functionalities are enabled in the workflow configuration. The variables return a value of a given phase or actor that is valid for the step in which the instance is located.



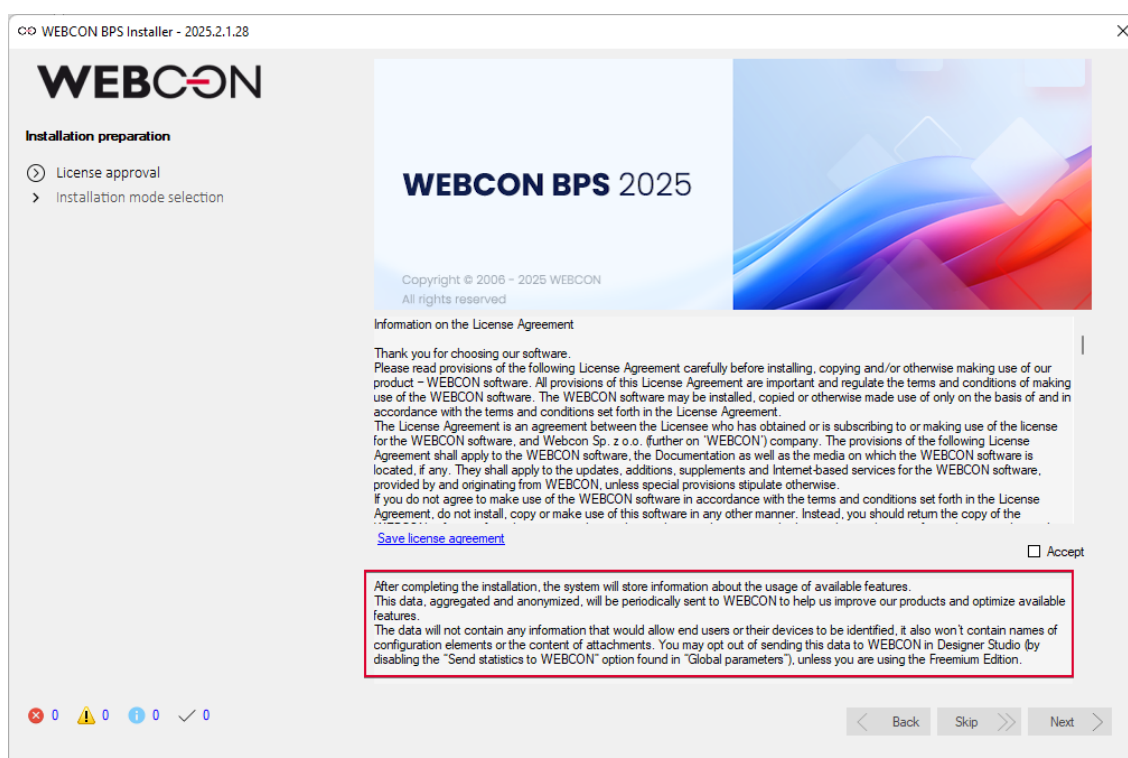
Workflow phases and **Workflow actors** are also available in the **Objects** tab for both types of rules, including Form rules in **JavaScript mode**.



5.17. Statistics on using WEBCON BPS functionalities


A new functionality has been introduced that automatically transmits statistical data on the usage of WEBCON BPS functionalities within a given installation to WEBCON. The data is collected exclusively for analytical and statistical purposes and does not include any information that could enable the identification of end users or their devices, nor does it contain names of configuration elements or file contents.



The consent for data transmission is granted by default, regardless of the environment type, and the user is informed about the transmission of statistical data during the platform installation process at the **License approval** stage. The data collected within the system is automatically sent in an aggregated form every 30 days (every 5th day of each month at the time specified in the **Database maintenance hours** field in the service operation schedule configuration).



The functionality can be managed through a new section, **WEBCON BPS Statistics**, (**System settings** → **Global parameters**), which was added to Designer Studio. The section allows users to withdraw their consent (the **Allow sending statistics** checkbox) (note that in such cases, the information is still collected even though it is not transmitted), check the last data delivery time (**Date of last sent data**), view a file listing delivered data (**Show sent data**), and send previously unsent, but already calculated, data manually at any time (**Send now**).

Note: this functionality cannot be disabled for installations based on the **Freemium Edition** license.

System settings (Global parameters) PRODUCTION 

 Save  Reset all caches

Environment settings

Environment unlocked, full ability to edit


Environment type:

Installation type:

Substitutions

☒ Substitutions enabled

Time mode:

 Update tasks for substitutes

REST Web Service

☒ Activate REST Service

Database acronym

Current acronym:

Previous acronyms

Business entities structure

Default business entities structure:

Applications IDs in external systems

Google API key:

Power BI application ID:

Microsoft Graph API

Cloud type:

Required mobile application security level


Level:

Push notifications

☒ Activate mobile push notifications

Diagnostic logging mode



Level:

 Clear all diagnostic data

WEBCON BPS Statistics

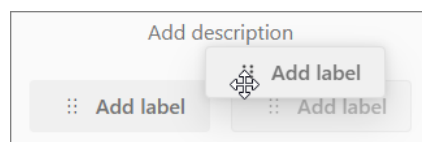
☒ Allow sending statistics

Date of last sent data:

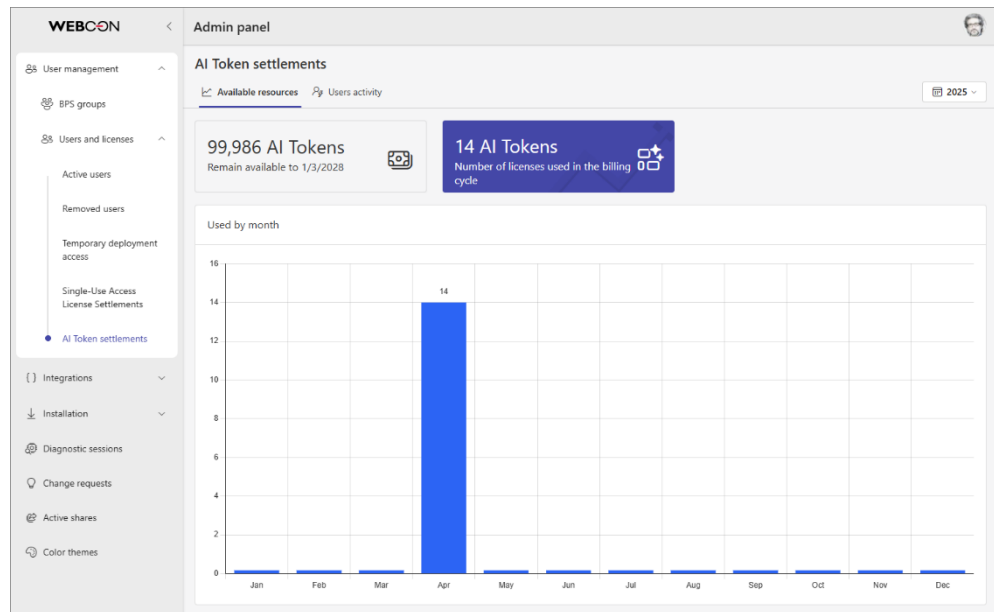
 Show sent data  Send now

5.18. Portal

- Added the ability to configure private views in KPI reports for non-administrator users.
- In the widget configuration panel, information about its type is now available. When you hover over the widget in the dashboard editing mode and click the **Edit** icon, the **Configuration** side panel appears on the right. The title of the panel located at the top will contain the name.
- In the **Description Panel** application dashboard widget, the ability to change the order of buttons using the mouse (drag & drop function) has been added.



- The **AI Token settlements** view was added to the **Admin panel**. The AI settlements view can be used to track the usage of AI Tokens per-user and per-year.

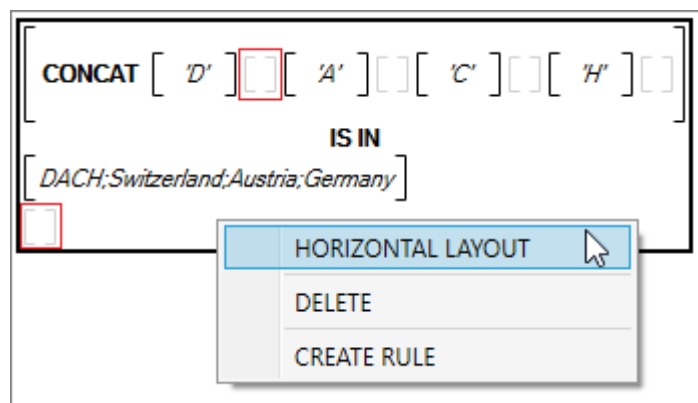


5.19. Designer Studio

- Added an option to choose a default **Attachment database** or **Archive database** from the dropdown menu during configuration of import process.

5.20. Rules

- Additional placeholders have been introduced for the **CONCAT** and **IS IN** functions, making it easier to insert new values anywhere in an expression while editing it. It has also been made possible to change the orientation of expressions created with these functions – the user can now switch between vertical and horizontal layout of the expression.



5.21. Add-In

- For the **Choice list** form field, the Word add-in functionality has been extended to include the ability to use variables that return the name of the selected answer with translation included. Previously, this option was not available for the **Choice list** form field, which resulted in inserting raw values instead of translated names.

6. Bug fixes

6.1. General

- Improved the operation of recalculating privileges and tasks after the end of a substitution. In the case of an expired or deleted substitution, when the option **Leave automatically delegated tasks after substitution expires** is disabled, the tasks are deleted and the user loses privileges in the workflow instances for which they were a substitute. However, if this option is enabled, the task remains assigned, but the substitute retains only read privileges. Additionally, the administrative view of the form privileges has been updated with information that a given privilege comes from a substitution, which allows for unambiguous determination of its source.
- Fixed a bug that caused custom privileges on a database function to be removed after upgrading the platform to version 2025 R2.
- Optimized query retrieving user tasks for SOLR indexation on the server.
- Fixed an issue that caused attachment databases to update incorrectly. Unicode migration was improved. During this update, the installer will again update attachment databases in environments where they were updated incorrectly.
- Fixed a bug that prevented enabling maintenance mode when updating the content database from the 2022 version and earlier ones.
- Fixed a bug that prevented the platform upgrade. The bug occurred when executing the 7363 script and was caused by a script execution timeout. As a result, the business rule migration mechanism was improved by disabling the default timeout when retrieving data for the upgrade.
- Fixed a bug that prevented removing a newly created or cloned **Report view** if it had not been saved yet. The bug occurred in both WEBCON BPS Designer Studio and Portal.
- Fixed an error that occurred when transferring translations between the dashboard and a report during a version upgrade.
- Fixed a bug that prevented WEBCON BPS version upgrades if the names of content/attachment databases contained special, non-Latin characters, e.g. ö, ä.
- Fixed a bug that occurred when updating environments from version 2023, which in some cases caused the update script to fail (7335). The problem was related to, among other things, updating report view translations and a large number of reports on dashboards.

6.2. Portal

- Fixed a bug that prevented embedding a report within a dashboard when Swedish was selected in Portal as the language.
- Improved the display of **Navigation menu** elements when searching for and opening a workflow instance in an application for which the user does not have privileges.
- Fixed a bug where selecting additional **Form types** in the configuration of a dashboard-embedded report resulted in deleting its **Calculated columns** and clearing the applied filters.
- Fixed a bug that prevented an application from being searched correctly when the name of a process belonging to that application was entered in the **Search application** field on the Portal home page.
- Enhanced the mechanism used for searching icons in the **Navigation grid** widget and adjusted layout names in the widget configuration panel.
- Improved loading of a library for entering formatted text that is used, for example, in the **Multiple lines of text** form field in **Append mode**, in the **Comment** field, and in **Dashboard** widgets.
- Improved the operation of the filter buttons in the **Logger View** window that contains the results of a diagnostic session.
- Fixed a bug that prevented dashboards with the **Application supervisor** widget from opening due to missing translations for the supervisor's name.
- Fixed a bug that caused the sorting defined in the report's **Views** tab to be removed. The issue occurred after adding an additional filter at the report level and clicking the **Save view** button.
- Fixed the saving of header names in the **Quick paths** column in reports. The header name was not saved correctly if the report was added as a part of a dashboard.
- Improved the display of **Table report** values when a form field that is not a **Data source column** is defined as a **Standard filter** for that report.
- Added a missing Polish translation of the **See all** button in the **Available applications** section.
- Fixed a bug that occurred after selecting the **No color** value for the **Border color** option in the data series style configuration of the line chart. The bug appeared when a user had previously set a value for the **Lightening / darkening** parameter. As a result of the fix, this parameter is no longer available after selecting the No color value.

- Fixed the display of the **Total** row in the **Item list** so that it does not overlap other rows in the list when **Limited height of the control** is enabled.
- Fixed a bug that caused the **Anomalies** report (the **Analysis** node) to display empty objects referring to already deleted or archived instances.
- Fixed a bug where the aggregation value was offset in relation to the respective column of a tabular report. The bug occurred when the report contained archived instances.
- Fixed a bug where the filtering configuration was not cleared after switching the **Absence chart** view.
- Removed redundant logging in the **Event Viewer** of information about parsing tags that refer to the **Item list**.
- Fixed a bug where the **Vacation schedule** displayed in the **Simplified presentation (present/absent)** did not show previous absences. The problem occurred in spite of selecting the **Vacations history** template in the data source configuration.
- Fixed a bug where value of a business rule created for a process was calculated more than once when it was inserted in the **Default value** section of a form field.
- Fixed a bug where the application background was not retrieved and a user login window was displayed after opening a publicly shared instance.
- Fixed a bug that prevented saving the report after adding a new **Calculated column**. The bug occurred when the column was used to specify the row coloring conditions prior to its saving.
- Optimized the loading time of the **Searching structures** view for users that only have access to individual workflow instances.
- Fixed a bug where a workflow instance could still be edited and modified after it was deleted and would still appear in search results.
- Improved the display of the **My tasks** number badge in the **Navigation menu**. After the change, this badge is vertically aligned with the arrows of the sections below.
- Improved layout responsiveness of the **Recent activities** widget. After the change, the widget dynamically adjusts to fit the width of the column in the dashboard or the width of the home page. If the username does not fit in the space provided, it is displayed when the cursor hovers over the user's profile picture.
- Fixed an error that prevented exporting an application if one of its elements was a **Table** report for which **Quick paths** were configured. The error was caused by the presence of an invalid tag retrieving the path ID in the Quick paths configuration.

- Corrected the message displayed when the **Instance numbers** in the **Dictionary process** are conflicting during application import.
- Improved filtering of column values in a report with the **SearchIndex** source if these values contained space and tab characters or 2 or more spaces next to each other.
- Improved the performance of reports when using additional filters **Step** and **Form type**. Improved how SQL queries are constructed when filtering using indexed WFD_STPID and WFD_DTYPEID columns.
- Fixed a bug that prevented chart labels from displaying the defined translation for a given step.
- Fixed a bug that allowed users to save a report even when a column used in the coloring condition of another column was hidden. A validation error message is now displayed in such cases.
- Improved the efficiency of loading reports that use the **Tasks** system column and the entire **My Tasks** view while using filtering by category.
- Fixed a bug that occurred when searching within a **SearchIndex** report containing the **Attachments** system column in an en-GB application. In such cases, users can now search for attachments in Portal by typing the text they contain.
- Fixed an issue with the loading animation when grouping results on **Reports**.
- Fixed a bug where the **Absence chart** report excluded day-offs in the next calendar year, despite the applicable configuration.
- Fixed a bug where the dropdown list opened by clicking the **Add new filter (Searching structures → Archive)** did not contain any selectable options.
- Fixed a bug that blocked the display of translations for name and description of the current workflow step. This issue occurred when the name or description was inserted into the form field using a context variable. The translation is now correctly retrieved based on the user's selected language in WEBCON BPS Portal.
- Fixed a bug in the **Searchindex** source report that prevented sorting of values in its columns.
- Fixed a bug in the vacation schedule that caused a loading icon to remain constantly visible next to the names of individuals with subordinates in the company hierarchy. This issue occurred after switching the vacation schedule view.
- Fixed a bug that prevented filtering the values of a report based on **SQL data source** from being filtered by **Business entity**.

- Fixed a bug that occurred when changing or adding a step, workflow, or form type in an existing report configuration. Such modifications resulted in the removal of all process columns from the report configuration.
- Fixed a bug where the **Save view** button remained active even if the user did not have permission to edit the modified view.
- When saving a Dashboard with an empty name, the default name will be used, e.g. "New Dashboard(2)".
- Fixed an error that occurred during application import. The error was caused by opening the node containing the system dashboard in the import wizard.
- Fixed an issue that occurred while filtering the **Active users** list in the **Admin panel**. Currently, filtering also works correctly for users whose names contains special characters.
- Fixed a bug in the Bar chart report where the next color was not set correctly when random coloring was enabled and the number of series exceeded 16. The bug occurred when hovering the mouse pointer over the chart legend. After the fix, the colors will be assigned correctly, regardless of the number of series.
- Previous behavior of reports based on the **SearchIndex** source has been restored. It is no longer possible to specify **Archived** applications as feeding the report source.
- Fixed a bug that caused the **Filters** panel in SOLR search results to display an incorrect year or month for filter creation. This issue occurred when the end user's time zone differed from the SOLR database time zone.
- Fixed a bug that caused the URL filter to disappear when switching report views in the navigation menu.
- Fixed a bug that occurred after adding a second data series to a chart report. The issue appeared after saving the new configuration and refreshing the report view (the configuration and report view windows were opened simultaneously in two browser tabs).
- Fixed a bug where navigation link was not displayed for applications that used non-default database.
- Fixed a bug where the time of exit of a workflow instance from a step was not correctly updated in the **WFHistoryElements** table.
- Fixed an issue that prevented the default Dashboard of an application from being refreshed. This error occurred when switching to an application in a different database, whose default Dashboard had the same ID.
- Performance indicators defined in the process are now displayed in alphabetical order by their names in the instance status panel.

- Fixed a bug that prevented restoring the default filters in the configuration of the system reports **All documents** and **Archive**.
- Fixed a bug that caused report tiles and summary rows in tabular reports, calculated for a column of type **Rating scale**, to display average values ??as integers - regardless of the decimal precision set. After the fix, averages are presented according to the configuration, including the specified number of decimal places.
- Fixed an issue on reports that occurred when there was a large number (>100) of selectable filtering options.
- Added a missing warning against leaving without saving changes after cloning a widget and trying to leave dashboard.
- Fixed a bug in the **Search everywhere** view. Previously, when selecting the All words option and choosing the filter, the actual value used for filtering could have been different. After the fix, the filter narrows search list properly.
- Improved support for URL filtering in reports for hidden item list columns. An error occurred when opening a report with a URL filter if the report column being filtered was an item list column that was marked as invisible in the default report view. Filtering now works correctly regardless of the column visibility.
- Fixed an issue where the bottom of the calendar report in **Month** view was cut off on smaller screens - added a vertical scroll so that all calendar content is now accessible. Additionally, in **Week** and **Work Week** views, improved handling of parallel events - a maximum of two are displayed, and the rest are accessible via the **Show more** button.

6.3. Form

- Fixed a bug that prevented path transitions using the **Move workflow (SQL)**. The bug occurred when the moved workflow contained a form field with a visibility restriction rule that included the **Current user is one of** function.
- Fixed a bug that caused the text defined for an empty element (via the **Display empty element** option) to appear in a **Choice field** column when the column was displayed in read-only mode.
- Disabled automatic removal of the target="_blank" attribute from links in the body of a form field of type **Multiple lines of text** in **Formatted** with append mode. Previously, when editing a field with these settings, links added with the target="_blank" attribute were automatically stripped of this attribute. With this fix, links retain the target="_blank" attribute, allowing them to open in new tabs as intended.
- Fixed a bug where the item list on the form could be initialized multiple times instead of just once for a given workflow instance. This resulted in unpredictable

behavior of the list, e.g. no data when opening the form. After the fix, the lists work stably and are displayed according to the configuration.

- Fixed a bug that prevented setting a bold value for the **Integer number**, even though the appropriate style was defined for that field value.
- Fixed a bug that prevented the background of the **Multiple lines of text** value from being colored, even though the appropriate style was defined for that field value. In read-only mode, the entire form field value is colored, while in edit mode, the value is placed in a 4-pixel frame of the specified color.
- Fixed a bug where electronic signatures included in the .pdf document attached to the form were not visible when the document was displayed within the form in the preview mode.
- Fixed a bug causing images to display incorrectly in the **Instance history**. An error occurred when adding an image to a **Multiple lines of text** form field running in **Rich** mode. Currently, images added to this field are scaled to the column width in the Instance history.
- Fixed a bug that caused long links to be displayed incorrectly in the **Hyperlink** item list column. The issue only occurred in form edit mode.
- Fixed a bug where pressing ENTER to confirm a new value in the **Floating-point number** column reverted it to the previously entered value.
- Fixed the incorrect behavior of the additional **Past** and **Future** filters in reports. The application of the aforementioned filters to the **Date and time** form field also caused instances with the current date entered in that field to appear in reports.
- Fixed a bug that caused incorrect creation date to be displayed for new workflow instances.
- Fixed a bug that resulted in creating an incorrect link after clicking the **Download all attachments** button in the **Attachments panel**. The bug was the result of not including the base Portal address in the created link.
- Fixed a bug in recognizing empty values in the choice field for which the **Allow selecting values no longer available in the data source** option has been enabled. White-space characters are no longer treated as an entered value. After the fix, when switching between an empty value from the data source and an empty value from outside the data source in the choice field, the script for changing the value will not be executed.
- Corrected the error message that appears when users attempt to traverse a path and the form includes a **Choice field** for which the allowed number of characters has been exceeded. This correction applies only to the Polish-language version of the message.

- Fixed a bug where floating-point numbers stored as text in an Excel file were incorrectly represented in an **Item list** after importing the file.
- Fixed a bug that caused incorrect value display in the **Single line of text** form field and column in read-only mode when the value exceeded the field or column width. In this scenario, the system now displays a truncated fragment of the value ending with an ellipsis symbol, and the mouse cursor changes to a text cursor.
- Fixed an error that caused the checkout of an instance in the parent workflow to be forcefully removed. The error occurred when going through a path in a subworkflow.
- Fixed an error that prevented text from the clipboard from being pasted as an attachment on the form.
- Fixed an error that allowed attachments to be overwritten even when the **Allow attachment editing** option was disabled in the workflow configuration.
- Fixed the persisting loading animation that occurred when the access authorization session was interrupted.
- Fixed an issue with the **Additional link** option found in the **Choice field** configuration when it contained a hyperlink that would open the selected instance from a **BPS internal view** data source. The link would not refresh correctly – if a different value were set in the field, the hyperlink would still redirect to the original value.
- Fixed an error that occurred when trying to go through a **Quick path** that contained references to workflow instances created in system versions prior to 2021 R1. The error was caused by the missing login of the author of **Comments** added in such workflow instances.
- Fixed a bug that resulted in incorrect coloring of a **Chart** form field if the **Use data series color** option was selected for the chart color in WEBCON BPS Designer Studio and translations of the series names were added, and then the language in Portal was switched to one of the translation languages.
- Improved logging of email recipient information in the **History**:
 - When a standard email is sent (as configured on the path), its recipients are defined, and their email addresses are provided – this operation will be logged in the History along with the recipients' email addresses.
 - If recipients are defined but their email addresses are not provided – the History will contain their logins, along with information about the failure to send the email,
 - When a standard email is sent (through the **Send standard email** action), its recipients are defined, and their email addresses are provided – this action will be logged in the History along with the recipients' email addresses.
 - If no recipients are defined – the History will inform about unspecified email recipients.

- Fixed a bug that prevented entering the value of a **Floating point number** with a **Prefix** set.

6.4. Designer Studio

- Improved the way the step name is displayed in the **Field matrix** after breaking the inheritance of form settings in this step. In this case, the step name turns red.
- Improved copying of paths from the step configuration level in the **Workflow designer**.
- Fixed an issue with **Proxy** connection handling to Exchange Online – Microsoft Graph.
- A typo in the **Package content** step of the application import wizard has been corrected. The change only affected the Polish language, and after the correction the phrase reads "Zostanie zaktualizowane".
- Fixed an error that occurred when changing the order of start buttons in the **Starts** tree in WEBCON BPS Designer Studio and when removing them.
- The context-sensitive help in WEBCON BPS Designer Studio regarding **SQL queries** has been extended to include "7. When an IF expression is used, the data is neither grouped or filtered".
- The scaling of the **Exchange server connection test** window in the **HotMailBoxes** configuration has been improved so that the **Account** field is always visible regardless of the screen resolution.
- Fixed an issue with logging user synchronization in scenarios where a user was removed from Microsoft Entra ID.
- Fixed a bug that prevented application import due to incompatible IDs of navigation menu items in the source and target environments.
- Fixed a bug that prevented the generation of process documentation if the process contained a **Choice list** that was previously configured as a **Choice field (Popup search window)**.
- Corrected descriptions of tags (variables) that refer to the names of steps, **Workflow phases**, and **Workflow actors**, available after switching the **Variable editor** to advanced mode. In addition, the values of such variables in expressions are treated as database columns instead of strings.
- Fixed a bug where step names in emails were not displayed in the recipient's language despite the corresponding configuration. The issue occurred when the context variable referring to the workflow step name was used in the email title or content.

- Fixed a bug that caused form fields to double after importing an application. This occurred when the application was imported with a related process from a different application, and the process was exported without its original application.
- Fixed an issue that caused deleted Microsoft Teams groups to be synchronized to the group list in the system.
- Fixed a bug that caused duplicate entries in the log file downloaded from the **Import history** level.
- Fixed a bug that prevented editing the **Business entity** in the previously saved configuration of the **Start** button. In addition, editing this button now results in an asterisk icon next to its name.
- Fixed a bug that prevented the export of an application using the **Import-Export** mechanism. The issue occurred when an action was deleted, but its unused automation was retained. The fix introduces a mechanism to check during export for the presence of such automations in the environment.
- Fixed an error that occurred when rearranging form fields on the form template after disabling **Workflow phases**.
- Fixed a bug that caused **Private view** columns in reports to be removed when transferring the application using the import-export mechanism. The removed columns were related to process form fields.
- Fixed an error that blocked application importing and returned the "KeyNotFoundException" error message. The error occurred when establishing differences between environments when one of the applications was not available on the target environment.
- Fixed a bug that caused an incorrect error message to be displayed when testing an SQL query. This message contained redundant and incorrect information: **Object reference not set to an instance of an object**. The bug occurred only in WEBCON BPS installations where no low-privilege users were defined.
- Fixed a bug that occurred when selecting a node with an empty name in the selection tree which allows users to choose elements included in the application export process. Now, in such cases, the system automatically assigns the node a name corresponding to the type of element it refers to.
- Fixed a bug that caused the exported application to contain BPS groups originating from processes not included in the export configuration (unchecked in the **Related elements** step).
- Fixed a bug that occurred after exporting configuration when language used in the **TEXT** function was removed earlier. Fixed configuration saves language code in the right form.

- Fixed the behavior of the **REMOVE HTML TAGS** function and the **Plain text** variable which transforms formatted text into a text without formatting. Currently, characters such as "<", ">", and "&" are converted into a proper text form.
- Fixed a bug that occurred when adding or modifying a filter containing the **GROUP MEMBERS** function for a choice column [**Choice field**, **Choice field (picker)**, or **Autocomplete**] and then changing tabs within the column configuration window.
- Translated into English the error message displayed when a workflow form could not be located in the dictionary process.
- Fixed a bug that occasionally caused the "Width and Height must be non-negative" message to appear when working in Designer Studio.
- In this release, the **<Global Cc Template>** system message template has been removed. For newly created processes, if the user selects the *"Use another Cc task template"* option, the **<Global Template>** template will now be suggested by default. For processes that previously used the **<Global Cc Template>** template being removed, the system automatically creates a copy of this template. This template will behave like templates created by users on the **Notifications** node. Additionally, a bug has been fixed in which a standard email was not sent to the Cc person in the implementation mode if the sending of a standard email to the person with a direct task was unchecked on the workflow path.
- Fixed a bug that prevented setting the same **Form** for the **Create a task** action configured in a path as in the current step.
- Fixed a bug that allowed the system column **Last comment** to be selected in the section activated by enabling the **Override sort** option in the configuration window of the respective form fields.
- Fixed a bug where the application did not work correctly in WEBCON BPS Designer Studio after publishing its prototype from Designer Desk. The error was caused by the presence of a remnant (NavBarItem) of a start button previously removed in Designer Desk.
- Fixed a bug where deleting a name of the form field or column prevented changing its type.
- Improved handling of the exception that occurs when the import history saving operation exceeds the time limit. The fix also corrected the error message displayed in this situation.
- Added ExtensionAttribute support for synchronized groups in AD, Entra ID, LDAP synchronizations.
- Improved handling of application package import in case of dependencies between automations. Fixed an error that could occur when importing changes made in the source environment to the target environment. The problem occurred when the imported package contained dependencies for automations not yet imported in the

given environment. The system now correctly handles such cases, allowing the import of automations in the correct order.

- Fixed a bug in process documentation generation that occurred when the process included the **Invoke REST Web Service** action with the **Application (OAuth)** connection.
- Fixed an issue preventing Designer Studio configuration windows from being resized. The problem occurred when opening the step editor for a second time.
- Fixed a validation error for the **Popup search window** choice field that caused an incorrect message about selecting multiple values to be displayed during validation. The issue occurred in the Firefox browser.
- Fixed an issue with importing application presentation elements, which caused the order of folders in the navigation to be lost. The problem occurred when importing only the presentation structure (bypassing the application), which resulted in the lack of import of information about the order of folders in the navigation menu.
- Fixed a bug that caused currently active absences to be missing from the **Vacations schedule**. The issue occurred when the **Absence process** included a **Holiday history** configured for absences starting before and ending after the current date.
- Fixed a bug that occurred when adding a global business rule with a parameter to the execution condition of an action template (**Configuration** → **Action templates** → **Execution condition**).
- Fixed an issue with testing data sources in Designer Studio that caused values from text columns to be displayed as formatted dates when the values in the text columns matched the date format.
Expanded the **REST Web Service** data source and **Invoke REST Web service** action to convert to date type for values in Microsoft JSON Date format.

6.5. Actions

- In the **Add a substitution** action, the handling of the substitution start date has been improved when using a date from an attribute value.
- Fixed a bug that caused incorrect passing of output parameter values ??in nested automations. In some scenarios, especially when using the **Start subworkflow** action and deep nesting of cycles, parameter values ??were lost or set to null. The parameter handling mechanism was rewritten so that passing and setting them now works correctly in all cases.
- Fixed a bug that occurred during the execution of the **Add SP Privileges** action for a specific object in the SharePoint environment. Currently, the URL address of a SharePoint list can include both uppercase or lowercase characters.

- Fixed a bug where **Form Rules** triggering a path transition could not function correctly if the form was in preview mode and the path was configured as fast. The form rule now correctly follows the selected path – regular or fast – according to its configuration.
- Fixed a bug that prevented values from being mapped to a subworkflow form field through the **Start a subworkflow** action. As a result, the respective field on the form of the started subworkflow remained empty, even though the value was inserted according to the action configuration in the instance **History**.
- Fixed a bug that prevented printing of barcode labels using the TCP protocol of the **SignalR Barcode Service**.
- Fixed a bug that prevented actions from being triggered subsequently by the **Timer**. The issue was caused by exceeding the timeout for an SQL query that retrieved data from the **WFElements** table in the content database.
- Fixed a bug that caused the filter in the **Exceptions** field (**Configuration** → **Notifications**) to operate incorrectly when using the **Send a custom email** action. As a result, despite specifying a BPS group in the filter, its members still received an email.
- When an error of division by 0 occurs in a SQL query carried out in the context of the <Current BPS database>, the automation should be interrupted correctly.
- Fixed an error that prevented correct execution of an action (e.g. **Replace item list**) created on the basis of an action of another type with configured filtering of **Data source** values based on a **Business rule**.
- Fixed an issue that prevented the opening of action configurations within a **For each** operator. This error occurred when the operator's collection was an **Item list** that contained overlapping IDs for the list itself and one of its columns.
- Fixed the formatting of new-line characters in the **Multiple lines of text** field when it is included in e-mail messages.
- Fixed an error of the **Invoke REST Web service** action. If multiple sub-collections were added as part of a single collection in the value mapping, only the last one was sent to the service.
- Fixed a bug that allowed the **Invoke SOAP Web service** action configuration to be saved with an incorrect **WSDL address**.
- Improved creation of the **Unicode content and attachment databases** from the Installer. During the version upgrade, the corresponding columns of the content/attachment database are now automatically updated. This allowed to optimize the **OCR AI recognition** action so that the recognition of logos and non-Latin characters on document no longer generates errors.

Note: if the size of the **ATF_FRData** column of the attachment database exceeds

3 GB, automatic database update is not possible. In this case, the Installer will display a message informing the user that a manual update is required, with instructions on how to proceed. For more information, see the article: <https://community.webcon.com/posts/post/manual-database-update-prerequisites-and-procedure/515/3>.

- Fixed a bug that occurred when executing the **Generate/Update a Word file** action. The issue arose if the **Download after file generation** checkbox was selected in the action configuration window, and the action was initiated through the **Menu button**.
- In the **Invoke REST Web service** action, in the **Values mapping** configuration, it is now possible to select an empty node to clear the value.
- Improved the handling of translations for variables used in the **Send custom email** action. Variables used in the message body were translated to the recipient's language, now variables in the title will also be translated.
- Fixed an error in the execution of the **Teach OCR AI** action when the **Attachment selection mode** is specified using an SQL query.
- Improved **Global automations** to save defaults for actions that do not require user configuration (e.g. **Send standard email**, **Finish editing a file using OneDrive**).
- The bug with counting the number of pages remaining under the ABBYY FineReader license when performing the **Add a text layer** action has been fixed so that it does not interrupt document processing.
- Resolved an issue with exporting and importing translations of error messages, messages for validation errors and successful validation, notification headers and bodies, as well as task names and descriptions defined in the configuration of the actions: **Change value of single field** and **Choose an approver**, **Validate form**, **Send a PUSH notification**, and **Create a task**, respectively.
- Fixed a bug that prevented the **Add attachment to another workflow instance** action from being configured within **Global automation**.
- Fixed a bug that occurred when sending values from two different **Item lists** through the **Invoke REST Web service** action. As a result, a NULL value was sent specifically for the Item list that was configured as second in sequence.

6.6. Rules

- Fixed an issue in the configuration of the **Default value** of a form field that contained a **Business rule** with the **DATA SOURCE VALUE** function. The error occurred after cloning such a form field.
- Fixed a bug where an incorrect value was entered after selecting the **Mark as required** or **Mark as not required** function for the **Item list**. The bug occurred in

the form rule editor operating in the **JavaScript mode**. Currently, an Item list ID number is entered as a parameter of a function inserted into a form rule.

- Improved the handling of **Business rules** in the configuration of **REST Web Service** data sources. The {PickerVal} and {PickerCol} variables will now return correct values when used in parametrized Business rules in data source configuration.
- Fixed an error where the value of the **Rating scale** form field in rules was treated as a text value rather than a numeric value. After the change, the form field values can be used to create valid arithmetic operations.
Improved handling of the **Single line of text** global field values in **Form rules**.
- Fixed a bug in the rule editor where testing a rule containing the **DATA SOURCE VALUE** function caused an exception. The issue occurred after pasting the function into the rule editor and pressing the **Test** button.
- When testing the **DATA SOURCE VALUE** business rule in WEBCON Designer Studio, the number of returned rows parameter was taken into account. The execution of the **DATA SOURCE VALUE** business rule was optimized so that the narrowing to the column and the number of returned rows was done on the data source side, and not only after retrieving its value.
- Fixed query generation for the **Choice field** (form field) as well as the **Choice field, Choice field (picker)**, and **Autocomplete** columns when using the **ANY TRUE** or **ALL TRUE** functions in the data source filter.
- Fixed an issue that prevented the generation of rule documentation and previews when using an empty value in the execution conditions of actions in automations. This error led to an exception that prevented the rule from rendering in both the Studio preview and the generated documentation. After the fix, the rule documentation and previews are generated correctly.

6.7. Data sources

- Fixed a bug that caused dates to be entered in the wrong format (MM.DD.YYYY) in Excel files generated from reports with a Searchindex data source.
- Restored default sorting in Searchindex reports. If no custom sorting is configured and the report results do not include the WFD_ID column, the data is once again sorted by default in descending order by WFD_ID, as it was previously.
- Fixed an error occurring in the **Connections** node. Improved the authentication type and cleared erroneous data that would be inserted when switching the **Connection type**. Updating the version will fix the erroneously saved data in the database.
- Fixed a bug that prevented saving an advanced filter for the default system data source, **Users and Groups**.

- Improved filtering of values by **Oracle database** source column in the configuration of selected form fields.

6.8. Add-In

- Fixed a bug that prevented users from logging in to Portal using the **Word Classic** and **Word Modern** add-ins. The issue occurred for a **Single-Use Access** license used in the **WEBCONAPPS-SaaS** environment.
- Fixed an issue with adding tables (**Item list**, **Data table**) to documents via the **Word Modern** add-in.

6.9. Service

- Optimized the number of entries added to the SOLR indexing queue for a workflow instance when executing the **Add privileges** and **Remove privileges** actions.
- Updated the description of the OpenTelemetry metric for the path traversal time distribution histogram.
- Optimized sending of PUSH notifications for task counter updates to iOS mobile devices.
- Improved operation of **HotMailBoxes** in **Start one workflow for each selected attachment** mode when processing certificate-signed emails with text attachments.
- Improved handling of errors that occur when a connection to the SOLR cannot be established during **Database maintenance hours**.
- Improved calculation of the next execution of the **Timer** action in case of a validation error on its previous execution.
- Fixed an issue where the system incorrectly processed responses of type "text/html" instead of the expected JSON format. This error occurred sporadically, mostly during maintenance hours, and was related to calls to the Graph API. Enhanced error logging to better monitor similar situations in the future.
- The service initialization mechanism now logs warning information about a time difference greater than 29 minutes between the value of the global DatabaseTimeZone parameter in the database and the time zone returned by the SQL dbo.GetDbDateImpl() function. The change makes it easier to identify incorrect environment configuration that can lead to problems with date recording (e.g. WFDC_CheckoutTime). Logs are saved in the AdminServiceLogs table.
- Optimized mechanism for reloading the configuration and restarting the WEBCON BPS WorkFlow Service for long-running operations of the task recalculation module.

- Improved behavior of the WEBCON BPS Workflow Service in case of **HotMailBoxes** failure. After the change, attachment files saved as a result of such a malfunction are automatically deleted from the temporary files directory of the service.
- Added ability to set custom WebCon Workflow Service temporary file path via configuration file or environment variables. Additionally, fixed bug causing appsettings.user.json and otlpsettings.user.json files to not be included by the service, which previously led to inconsistency with portal configuration.
- A fix was introduced to resolve the issue of missing statistics for the *CacheOrganizationStructureExtendedTokens* table after full user synchronization, which caused timeouts during report generation. The problem resulted from statistics being out of date as a result of operations performed during synchronization, which negatively affected query performance. As part of the solution, a step was added to update SQL statistics for the mentioned table, performed after the full user synchronization was completed.
- Optimized the memory usage of the WebCon Workflow Service when executing the **Teach OCR AI** action. Improved handling of memory shortage situations while the service is running.
- Updated the barcode recognition component to a version that supports operation within Docker containers. Fixed the bug-handling mechanism in the barcode recognition component.
- Fixed a bug that caused the system to send a very long trace with an indefinite number of spans. This bug hindered trace analysis and prevented visualization in dedicated telemetry tools.
- Fixed an issue that occurred when extracting text for large attachments in the SOLR queue. This will ensure stable and efficient processing of attachments, even of larger size.
- Improved the scope of telemetry – added indicators to complete the timeline.
- Improved the operation of the service's text extraction mechanism from PDF attachments. In previous versions, files with a large number of pages or a complex structure (e.g. tables, unusual tags) could cause the processing time limit (default 60 seconds) to be exceeded, which resulted in the lack of content in the index and warnings in the logs. As part of the fix, the text extraction operation from the file was separated into a separate subprocess, which prevents the service's memory from being saturated when processing large files.
- Fixed a bug that caused historical login sessions to be removed during database maintenance hours by the **WebcCon WorkFlow Service**.
- Updated telemetry metrics of SOLR indexation queue.

- Fixed handling of an error that occurs when loading new configuration data from SQL. Fixed WEBCON Workflow Service configuration reloading mechanism.
- Fixed a bug that occurred after updating the platform to the 2024 R1 version. The bug prevented further processing of an instance within the workflow after executing OCR AI recognition. Consequently, the mechanism responsible for instance path transitions through the **WebCon WorkFlow Service** – from **Wait for a text layer**, **Wait for OCR AI scan**, and **Wait for OCR AI to learn** steps – has been improved.
- Improved handling of throttling of sending administrative notifications by WEBCON WorkFlow Service. A default limit of one email per minute within a given notification category has been introduced. The limit applies per service instance.
- Improved error handling in **WEBCON WorkFlow Service** by eliminating redundant *Warning* type entries in Event Viewer logs. Warnings were related to empty databases for cyclic services (*RecurrentActions*) and appeared despite no real problem.
- Fixed an issue with resetting processing counters in SOLR queues. For records with status *ProcessingError*, resetting the counter did not cause the item to be reprocessed because its status was not updated. Improved logic similarly to other queues - now when resetting the counter, the record status is changed to *ProcessingPending*, which allows it to be processed further.
- Improved the mechanism for cleaning temporary files in the service when extracting a text layer.
- Blocked entries containing excessive information "Process with an Id of <ProcessID> is not running." in the **WebCon WorkFlow Service** log.
- Fixed an error that caused empty **Mass notifications** to be sent. Empty messages were sent to users who had only CC tasks assigned.

6.10. Designer Desk

- Optimized the queries loading user privileges defined in the configuration. These queries are used, e.g., for reloading the cache after changing the configuration in Designer Studio, or when saving new privileges at process level.
- The way unsaved changes are handled in Designer Desk projects has been standardized. Previously, when trying to return to the Designer Desk home page, a message would appear about losing unsaved changes - after confirming it, the changes would be permanently deleted. From now on, instead of deleting changes after confirming exit, the application will preserve the project state - after reopening the project, the user will still be able to restore unsaved changes.

6.11. API & SDK

- Fixed the clearing of choice columns on **Item lists** using SDK.

- Fixed an issue in an endpoint of the public API:
`/api/data/{ver}/db/{dbld}/workflows/{wflldguid}/associatedFormTypes/{idguid}/admin/privileges`
 The business entity will be correctly taken into account when assigning privileges to the form type.

WEBCON **BPS 2025 R1**

history of changes for version 2025.1.1.152

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1. Before upgrading WEBCON BPS

1.1. Important information

- To upgrade to **2025 R1**, you need to have active **Software Assurance** for perpetual licenses or an **active subscription license**. After the upgrade, you should update your license package to avoid system interruptions. To do this, make sure that your WEBCON BPS licenses have been updated – check the availability of **WEBCON BPS Server 2025** licenses in the license report available in **WEBCON BPS Designer Studio (system menu in the upper left corner of the application -> Licenses)**. If necessary, download the updated licenses.
- If the changelog contains a section titled "Changes to existing features", please verify whether the changes will impact your implemented system in any way.

2. Security fixes

2.1. Updated components

- A security feature has been introduced to prevent users without administrator privileges from performing the **Generate an HTML printout** action.
- The dompurify component has been updated to version 3.2.4 due to the vulnerability patches:
CVE-2025-26791, CWE-79 – <https://security.snyk.io/vuln/SNYK-JS-DOMPURIFY-8722251>.

3. Information

3.1. Important information

- Due to security-related changes (new certificate for signing files), remembered user settings will be wiped clean.

Please prepare the following information:

- When updating the service component, the installer will ask for the **service account login and password**.
- When launching Designer Studio for the first time after the update, the **Portal address** will not autofill (it will need to be entered manually).

4. Changes to existing features

4.1. Form

- Modified the display of values that do not fit within the controls of the **Choice field** in the **Popup search window** and **Autocomplete** mode. Now, when selecting such a value in the form field, it is displayed in a maximum of two lines ending with an ellipsis.
- The behavior of the **Multiple lines of text** available in **Read-only mode (cannot be modified except by JavaScript)** has been changed when the form is in edit mode. In this case, the form field is displayed with the number of lines set in the configuration, but if its value exceeds this number, a vertical scrollbar appears in the field.

4.2. Designer Studio

- Modified how the **Data table** form field presents links. Previously, if the **Instance hyperlink** checkbox was selected for a column but the data source did not return a valid hyperlink, no value was displayed. Now, in such cases, the column shows the returned data as text.

5. Bug fixes

5.1. General

- Fixed an issue that caused attachment databases to update incorrectly. Unicode migration was improved. During this update, the installer will again update attachment databases in environments where they were updated incorrectly.
- Fixed a bug that prevented enabling maintenance mode when updating the content database from the 2022 version and earlier ones.

5.2. Portal

- Fixed a bug that caused a timeout error to be displayed after pressing the **New** button in the **My tasks** panel. Consequently, the error handling mechanism for the configuration database has been fixed.
- Previous behavior of reports based on the **SearchIndex** source has been restored. It is no longer possible to specify **Archived** applications as feeding the report source.
- Fixed a bug that caused the **Filters** panel in SOLR search results to display an incorrect year or month for filter creation. This issue occurred when the end user's time zone differed from the Portal's time zone.
- Fixed an issue that prevented the default Dashboard of an application from being refreshed. This error occurred when switching to an application in a different database, whose default Dashboard had the same ID.
- Added a missing Polish translation of the **See all** button in the **Available applications** section.
- Fixed a bug that prevented an application from being searched correctly when the name of a process belonging to that application was entered in the **Search application** field on the Portal home page.
- Improved loading of a library for entering formatted text that is used, for example, in the **Multiple lines of text** form field in **Append mode**, in the **Comment** field, and in **Dashboard** widgets.
- Fixed a bug that prevented changing the view of a report embedded in the dashboard. The issue occurred after updating the platform from version 2023 R3 to 2025 R1. As a result, the defined report configuration was ignored after saving the dashboard, and the view set before the update was restored.
- Fixed a bug where navigation link was not displayed for applications that used non-default database.

- Fixed a bug where the time of exit of a workflow instance from a step was not correctly updated in the **WFHistoryElements** table.
- Fixed a bug that caused the URL filter to disappear when switching report views in the navigation menu.
- Fixed a bug that prevented embedding a report within a dashboard when Swedish was selected in Portal as the language.

5.3. Form

- Fixed a bug that prevented entering the value of a **Floating point number** with a **Prefix** set.
- Fixed a bug that prevented setting a bold value for the **Integer number**, even though the appropriate style was defined for that field value.
- Fixed a bug that prevented the background of the **Multiple lines of text** value from being colored, even though the appropriate style was defined for that field value. In read-only mode, the entire form field value is colored, while in edit mode, the value is placed in a 4-pixel frame of the specified color.
- Fixed a bug where electronic signatures included in the .pdf document attached to the form were not visible when the document was displayed within the form in the preview mode.
- Fixed a bug where the link contained within the **Hyperlink** form field was not displayed in full if it was long and was not replaced on the form by the display name defined by the user. The bug appeared only in form edit mode.
- Fixed a bug where pressing ENTER to confirm a new value in the **Floating-point number** column reverted it to the previously entered value.
- Fixed an error that occurred when trying to go through a **Quick path** that contained references to workflow instances created in system versions prior to 2021 R1. The error was caused by the missing login of the author of **Comments** added in such workflow instances.
- Fixed an issue with the **Additional link** option found in the **Choice field** configuration when it contained a hyperlink that would open the selected instance from a **BPS internal view** data source. The link would not refresh correctly – if a different value were set in the field, the hyperlink would still redirect to the original value.
- Fixed a bug that caused incorrect value display in the **Single line of text** form field and column in read-only mode when the value exceeded the field or column width. In this scenario, the system now displays a truncated fragment of the value ending with an ellipsis symbol, and the mouse cursor changes to a text cursor.

- Fixed a bug that resulted in creating an incorrect link after clicking the **Download all attachments** button in the **Attachments panel**. The bug was the result of not including the base Portal address in the created link.
- Fixed a bug that caused incorrect creation date to be displayed for new workflow instances.

5.4. Designer Studio

- Fixed a bug that caused the exported application to contain BPS groups originating from processes not included in the export configuration (unchecked in the **Related elements** step).
- Fixed a bug that occurred when adding or modifying a filter containing the **GROUP MEMBERS** function for a choice column [**Choice field**, **Choice field (picker)**, or **Autocomplete**] and then changing tabs within the column configuration window.
- Translated into English the error message displayed when a workflow form could not be located in the dictionary process.
- Fixed a bug that occasionally caused the "Width and Height must be non-negative" message to appear when working in Designer Studio.
- Fixed an error in the import/export mechanism caused by automation configuration.
- Fixed a bug that prevented setting the same **Form** for the **Create a task** action configured in a path as in the current step.
- Fixed a bug where the application did not work correctly in WEBCON BPS Designer Studio after publishing its prototype from Designer Desk. The error was caused by the presence of a remnant (NavBarItem) of a start button previously removed in Designer Desk.
- Corrected descriptions of tags (variables) that refer to the names of steps, **Workflow phases**, and **Workflow actors**, available after switching the **Variable editor** to advanced mode. In addition, the values of such variables in expressions are treated as database columns instead of strings.
- Improved the way the step name is displayed in the **Field matrix** after breaking the inheritance of form settings in this step. In this case, the step name turns red.
- Fixed a bug where deleting a name of the form field or column prevented changing its type.
- Fixed an error that occurred when changing the order of start buttons in the **Starts** tree in WEBCON BPS Designer Studio and when removing them.

5.5. Actions

- Resolved an issue with exporting and importing translations of error messages, messages for validation errors and successful validation, notification headers and bodies, as well as task names and descriptions defined in the configuration of the actions: **Change value of single field** and **Choose an approver**, **Validate form**, **Send a PUSH notification**, and **Create a task**, respectively.
- Fixed a bug that prevented printing of barcode labels in a cloud installation (WEBCONAPPS-SaaS) using the TCP protocol of the **SignalR Barcode Service**.
- Fixed a bug that prevented actions from being triggered subsequently by the **Timer**. The issue was caused by exceeding the timeout for an SQL query that retrieved data from the **WFElements** table in the content database.
- Fixed a bug that occurred when sending values from two different **Item lists** through the **Invoke REST Web service** action. As a result, a NULL value was sent specifically for the Item list that was configured as second in sequence.
- In the **Invoke REST Web service** action, in the **Values mapping** configuration, it is now possible to select an empty node to clear the value.
- Fixed a bug that prevented values from being mapped to a subworkflow form field through the **Start a subworkflow** action. As a result, the respective field on the form of the started subworkflow remained empty, even though the value was inserted according to the action configuration in the instance **History**.
- When an error of division by 0 occurs in a SQL query carried out in the context of the <Current BPS database>, the automation should be interrupted correctly.
- Fixed a bug that caused the filter in the **Exceptions** field (**Configuration -> Notifications**) to operate incorrectly when using the **Send a custom email** action. As a result, despite specifying a BPS group in the filter, its members still received an email.

5.6. Data sources

- Fixed an error occurring in the **Connections** node. Improved the authentication type and cleared erroneous data that would be inserted when switching the **Connection type**. Updating the version will fix the erroneously saved data in the database.
- Fixed an issue with SharePoint connections in the cloud installation (WEBCONAPPS-SaaS).
- Improved filtering of values by **Oracle database** source column in the configuration of selected form fields.
- Fixed a bug that prevented saving an advanced filter for the default system data source, **Users and Groups**.

5.7. Service

- Improved the scope of telemetry - added indicators to complete the timeline.
- Fixed a bug that caused historical login sessions to be removed during database maintenance hours by the **WebcCon WorkFlow Service**.
- Improved calculation of the next execution of the **Timer** action in case of a validation error on its previous execution.
- Added the ability to configure the path for the WebCon WorkFlow Service temporary files when initializing the service in a database using a configuration file or environment variables. Fixed a bug where the WebCon WorkFlow Service did not use the appsettings.user.json and otpsettings.user.json files.
- Updated the barcode recognition component to a version that supports operation within Docker containers. Fixed the bug-handling mechanism in the barcode recognition component.
- Fixed a bug that caused the system to send a very long trace with an indefinite number of spans. This bug hindered trace analysis and prevented visualization in dedicated telemetry tools.

5.8. Designer Desk

- Optimized the queries loading user privileges defined in the configuration. These queries are used, e.g., for reloading the cache after changing the configuration in Designer Studio, or when saving new privileges at process level.

WEBCON **BPS 2025 R1**

history of changes for version 2025.1.1.105

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1. Before upgrading WEBCON BPS

1.1. Important information

- To upgrade to **2025 R1**, you need to have active **Software Assurance** for perpetual licenses or an **active subscription license**. After the upgrade, you should update your license package to avoid system interruptions. To do this, make sure that your WEBCON BPS licenses have been updated – check the availability of **WEBCON BPS Server 2025** licenses in the license report available in **WEBCON BPS Designer Studio (system menu in the upper left corner of the application -> Licenses)**. If necessary, download the updated licenses.
- If the changelog contains a section titled "Changes to existing features", please verify whether the changes will impact your implemented system in any way.

2. Security fixes

2.1. Updated components

- A security feature has been introduced to prevent users without administrator privileges from performing the **Generate an HTML printout** action.

3. Bug fixes

3.1. General

- Fixed a bug that occurred during the platform update. The bug resulted from an incorrect script that updated the content of the database.

3.2. Portal

- Improved the display of **Navigation menu** elements when searching for and opening a workflow instance in an application for which the user does not have privileges.
- Fixed a bug where selecting additional **Form types** in the configuration of a dashboard-embedded report resulted in deleting its **Calculated columns** and clearing the applied filters.

3.3. Form

- Fixed a bug where after renaming an attachment and trying to add another attachment with the same name as the first attachment before the change, a message would appear stating that an attachment with the same name already existed.
- Fixed an error that allowed attachments to be overwritten even when the **Allow attachment editing** option was disabled in the workflow configuration.
- Fixed a bug that resulted in incorrect coloring of a **Chart** form field if the **Use data series color** option was selected for the chart color in WEBCON BPS Designer Studio and translations of the series names were added, and then the language in Portal was switched to one of the translation languages.

3.4. Designer Studio

- The scaling of the **Exchange server connection test** window in the **HotMailBoxes** configuration has been improved so that the **Account** field is always visible regardless of the screen resolution.
- Fixed an issue with **Proxy** connection handling to Exchange Online – Microsoft Graph.
- Fixed a bug that prevented application import due to incompatible IDs of navigation menu items in the source and target environments.
- Fixed a bug that prevented the generation of process documentation if the process contained a **Choice list** that was previously configured as a **Choice field (Popup search window)**.

3.5. Actions

- Improved **Global automations** to save defaults for actions that do not require user configuration (e.g. **Send standard email**, **Finish editing a file using OneDrive**).
- Fixed a bug that prevented the **Add attachment to another workflow instance** action from being configured within **Global automation**.

3.6. Service

- Updated the barcode recognition component to a version that supports operation within Docker containers. Fixed the bug-handling mechanism in the barcode recognition component.
- Optimized the memory consumption of the Webcon WorkFlow Service when executing the **Teach OCR AI** action.
Improved handling of low memory conditions during Webcon WorkFlow Service operation.
- Improved behavior of the WEBCON BPS Workflow Service in case of **HotMailBoxes** failure. After the change, attachment files saved as a result of such a malfunction are automatically deleted from the temporary files directory of the service.

WEBCON **BPS 2025 R1**

history of changes for version 2025.1.1.94

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1. Before upgrading WEBCON BPS

1.1. Important information

- To upgrade to **2025 R1**, you need to have active **Software Assurance** for perpetual licenses or an **active subscription license**. After the upgrade, you should update your license package to avoid system interruptions. To do this, make sure that your WEBCON BPS licenses have been updated – check the availability of **WEBCON BPS Server 2025** licenses in the license report available in **WEBCON BPS Designer Studio (system menu in the upper left corner of the application -> Licenses)**. If necessary, download the updated licenses.
- If the changelog contains a section titled "Changes to existing features", please verify whether the changes will impact your implemented system in any way.

2. Bug fixes

2.1. General

- Fixed a bug that prevented WEBCON BPS version upgrades if the names of content/attachment databases contained special, non-Latin characters, e.g. ö, ä.

2.2. Portal

- Improved layout responsiveness of the **Recent activities** widget. After the change, the widget dynamically adjusts to fit the width of the column in the dashboard or the width of the home page. If the username does not fit in the space provided, it is displayed when the cursor hovers over the user's profile picture.
- Improved the display of **Table report** values when a form field that is not a **Data source column** is defined as a **Standard filter** for that report.
- Fixed the display of the **Total** row in the **Item list** so that it does not overlap other rows in the list when **Limited height of the control** is enabled.

2.3. Designer Studio

- Fixed an issue that caused deleted Microsoft Teams groups to be synchronized to the group list in the system.
- Fixed an issue with logging user synchronization in scenarios where a user was removed from Microsoft Entra ID.

2.4. Actions

- The bug with counting the number of pages remaining under the ABBYY FineReader license when performing the **Add a text layer** action has been fixed so that it does not interrupt document processing.
- Fixed an error in the execution of the **Teach OCR AI** action when the **Attachment selection mode** is specified using an SQL query.

2.5. Rules

- Fixed an issue in the configuration of the **Default value** of a form field that contained a **Business rule** with the **DATA SOURCE VALUE** function. The error occurred after cloning such a form field.

2.6. Service

- Optimized mechanism for reloading the configuration and restarting the WEBCON BPS WorkFlow Service for long-running operations of the task recalculation module.

WEBCON **BPS 2025 R1**

history of changes for version 2025.1.1.87

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1. Before upgrading WEBCON BPS

1.1. Important information

- To upgrade to **2025 R1**, you need to have active **Software Assurance** for perpetual licenses or an **active subscription license**. After the upgrade, you should update your license package to avoid system interruptions. To do this, make sure that your WEBCON BPS licenses have been updated – check the availability of **WEBCON BPS Server 2025** licenses in the license report available in **WEBCON BPS Designer Studio (system menu in the upper left corner of the application -> Licenses)**. If necessary, download the updated licenses.
- If the changelog contains a section titled "Changes to existing features", please verify whether the changes will impact your implemented system in any way.

2. Security fixes

2.1. Updated components

- In the **WEBCONAPPS SaaS** environment, a mechanism has been introduced that forces the user to re-enter the password stored in the **Admin panel** after changing the SMTP server address.
- A mechanism has been added to the page containing a redirect to the login address for WEBCON BPS on a mobile device to connect only to trusted sites. For untrusted sites an appropriate message is displayed.

3. Information

3.1. General

- Updated the footer information in documents containing process documentation, personal data report, and the WEBCON BPS license usage report. This update applies to the PL, EN, and DE language versions.

4. Changes to existing features

4.1. General

- If **Content-Security-Policy** was added to the **Custom response header** list, **blob** support next to **img-src** will be added automatically. This is because OCR requires blob image loading to function correctly.

4.2. Portal

- Added the ability to configure private views in KPI reports for non-administrator users.
- Aligned task counter names across Portal. As a result, the **My** phrase has been replaced with **Active**.

4.3. Form

- Optimized form loading by skipping the query that retrieves tasks for a user's subordinates when unnecessary.

4.4. Designer Studio

- Modified how the **Data table** form field presents links. Previously, if the **Instance hyperlink** checkbox was selected for a column but the data source did not return a valid hyperlink, no value was displayed. Now, in such cases, the column shows the returned data as text.

5. Bug fixes

5.1. General

- Fixed an issue in the address redirecting the help manual (F1) in the configuration database.
- Fixed an error that occurred when transferring translations between the dashboard and a report during a version upgrade.
- Fixed a bug that prevented removing a newly created or cloned **Report view** if it had not been saved yet. The bug occurred in both WEBCON BPS Designer Studio and Portal.

5.2. Portal

- Improved layout responsiveness of the **Recent activities** widget. After the change, the widget dynamically adjusts to fit the width of the column in the dashboard or the width of the home page. If the username does not fit in the space provided, it is displayed when the cursor hovers over the user's profile picture.
- Corrected the message displayed when the **Instance numbers** in the **Dictionary process** are conflicting during application import.
- Improved filtering of column values in a report with the **SearchIndex** source if these values contained space and tab characters or 2 or more spaces next to each other.
- Fixed a bug where the application background was not retrieved and a user login window was displayed after opening a publicly shared instance.
- Fixed a bug that prevented filtering the values of a report based on **SQL data source** from being filtered by **Business entity**.
- Fixed a bug that prevented saving the report after adding a new **Calculated column**. The bug occurred when the column was used to specify the row coloring conditions prior to its saving.
- Fixed a bug that occurred when changing or adding a step, workflow, or form type in an existing report configuration. Such modifications resulted in the removal of all process columns from the report configuration.
- Fixed a bug where the **Absence chart** report excluded day-offs in the next calendar year, despite the applicable configuration.
- Fixed a bug where the dropdown list opened by clicking the **Add new filter (Searching structures -> Archive)** did not contain any selectable options.
- Fixed a bug that blocked the display of translations for name and description of the current workflow step. This issue occurred when the name or description was

inserted into the form field using a context variable. The translation is now correctly retrieved based on the user's selected language in WEBCON BPS Portal.

- Fixed a bug in the **Searchindex** source report that prevented sorting of values in its columns.
- Fixed an error that occurred during application import. The error was caused by opening the node containing the system dashboard in the import wizard.
- Fixed a bug that prevented chart labels from displaying the defined translation for a given step.
- Fixed a bug that occurred when searching within a **SearchIndex** report containing the **Attachments** system column in an en-GB application. In such cases, users can now search for attachments in Portal by typing the text they contain.
- Fixed a bug that prevented dashboards with the **Application supervisor** widget from opening due to missing translations for the supervisor's name.
- Fixed the saving of header names in the **Quick paths** column in reports. The header name was not saved correctly if the report was added as a part of a dashboard.
- Fixed a bug that occurred after selecting the **No color** value for the **Border color** option in the data series style configuration of the line chart. The bug appeared when a user had previously set a value for the **Lightening / darkening** parameter. As a result of the fix, this parameter is no longer available after selecting the No color value.
- Fixed a bug that caused the sorting defined in the report's **Views** tab to be removed. The issue occurred after adding an additional filter at the report level and clicking the **Save view** button.
- Fixed a bug that caused the **Anomalies** report (the **Analysis** node) to display empty objects referring to already deleted or archived instances.
- Fixed a bug that occurred when users searched a report using a column hidden in the report's default view.
- Enhanced the mechanism used for searching icons in the **Navigation grid** widget and adjusted layout names in the widget configuration panel.
- Improved loading of a library for entering formatted text that is used, for example, in the **Multiple lines of text** form field in **Append mode**, in the **Comment** field, and in **Dashboard** widgets.

5.3. Form

- Fixed an error that prevented text from the clipboard from being pasted as an attachment on the form.

- Fixed a bug that caused OCR data to load when initiating a form, regardless of whether the form was displayed in the OCR verification view.

5.4. Designer Studio

- Fixed an error that occurred when rearranging form fields on the form template after disabling **Workflow phases**.
- Fixed a bug that caused form fields to double after importing an application. This occurred when the application was imported with a related process from a different application, and the process was exported without its original application.
- Fixed a bug that caused an incorrect error message to be displayed when testing an SQL query. This message contained redundant and incorrect information: **Object reference not set to an instance of an object**. The bug occurred only in WEBCON BPS installations where no low-privilege users were defined.
- Fixed a bug that occurred when selecting a node with an empty name in the selection tree which allows users to choose elements included in the application export process. Now, in such cases, the system automatically assigns the node a name corresponding to the type of element it refers to.
- Fixed a bug that prevented editing the **Business entity** in the previously saved configuration of the **Start** button. In addition, editing this button now results in an asterisk icon next to its name.
- Fixed an error that blocked application importing and returned the "KeyNotFoundException" error message. The error occurred when establishing differences between environments when one of the applications was not available on the target environment.
- Fixed a bug where step names in emails were not displayed in the recipient's language despite the corresponding configuration. The issue occurred when the context variable referring to the workflow step name was used in the email title or content.

5.5. Actions

- Improved the handling of translations for variables used in the **Send custom email** action. Variables used in the message body were translated to the recipient's language, now variables in the title will also be translated.
- Fixed a bug that occurred when executing the **Generate/Update a Word file** action. The issue arose if the **Download after file generation** checkbox was selected in the action configuration window, and the action was initiated through the **Menu button**.
- Improved creation of the **Unicode content and attachment databases** from the Installer. During the version upgrade, the corresponding columns of the content/attachment database are now automatically updated. This allowed to

optimize the **OCR AI recognition** action so that the recognition of logos and non-Latin characters on invoices no longer generates errors.

NOTE: if the size of the **ATF_FRData** column of the attachment database exceeds 3 GB, automatic database update is not possible. In this case, the Installer will display a message informing the user that a manual update is required, with instructions on how to proceed. For more information, see the article: <https://community.webcon.com/posts/post/manual-database-update-prerequisites-and-procedure/515/3>.

- Fixed an error of the **Invoke REST Web service** action. If multiple sub-collections were added as part of a single collection in the value mapping, only the last one was sent to the service.
- Fixed a bug that allowed the **Invoke SOAP Web service** action configuration to be saved with an incorrect **WSDL address**.
- Fixed an error that prevented correct execution of an action (e.g. **Replace item list**) created on the basis of an action of another type with configured filtering of **Data source** values based on a **Business rule**.
- Fixed the formatting of new-line characters in the **Multiple lines of text** field when it is included in e-mail messages.
- Fixed an issue that prevented the opening of action configurations within a **For each** operator. This error occurred when the operator's collection was an **Item list** that contained overlapping IDs for the list itself and one of its columns.

5.6. Rules

- Fixed an error where the value of the **Rating scale** form field in rules was treated as a text value rather than a numeric value. After the change, the form field values can be used to create valid arithmetic operations.
Improved handling of the **Single line of text** global field values in **Form rules**.
- Fixed a bug in the rule editor where testing a rule containing the **DATA SOURCE VALUE** function caused an exception. The issue occurred after pasting the function into the rule editor and pressing the **Test** button.
- Fixed a bug where an incorrect value was entered after selecting the **Mark as required** or **Mark as not required** function for the **Item list**. The bug occurred in the form rule editor operating in the **JavaScript mode**. Currently, an Item list ID number is entered as a parameter of a function inserted into a form rule.
- Improved the handling of **Business rules** in the configuration of **REST Web Service** data sources. The {PickerVal} and {PickerCol} variables will now return correct values when used in parametrized Business rules in data source configuration.

5.7. Add-In

- Fixed an issue with adding tables (**Item list**, **Data table**) to documents via the **Word Modern** add-in.
- Fixed a bug that prevented users from logging in to Portal using the **Word Classic** and **Word Modern** add-ins. The issue occurred for a **Single-Use Access** license used in the **WEBCONAPPS-SaaS** environment.

5.8. Service

- Improved calculation of the next execution of the **Timer** action in case of a validation error on its previous execution.

5.9. API & SDK

- Fixed an issue in an endpoint of the public API:
/api/data/{ver}/db/{dbld}/workflows/{wflidguid}/associatedFormTypes/{idguid}/admin/privileges
The business entity will be correctly taken into account when assigning privileges to the form type.

WEBCON **BPS 2025 R1**

history of changes for version 2025.1.1.44

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1. Before upgrading WEBCON BPS

1.1. Important information

- To upgrade to **2025 R1**, you need to have active **Software Assurance** for perpetual licenses or an **active subscription license**. After the upgrade, you should update your license package to avoid system interruptions. To do this, make sure that your WEBCON BPS licenses have been updated – check the availability of **WEBCON BPS Server 2025** licenses in the license report available in **WEBCON BPS Designer Studio (system menu in the upper left corner of the application -> Licenses)**. If necessary, download the updated licenses.
- If the changelog contains a section titled "Changes to existing features", please verify whether the changes will impact your implemented system in any way.

2. Security fixes

2.1. Updated components

- The DotNetZip component has been replaced with System.IO.Compression in version 4.0.0 due to the vulnerability patches:
 - CVE-2024-48510, CWE-22
<https://security.snyk.io/vuln/SNYK-DOTNET-DOTNETZIP-8376680>.

3. Information

3.1. Important information

- Changes introduced in this version will break the compatibility of the Export-Import mechanism. Exported process packages created in versions **2025.1.1.23** and older cannot be imported to the newest system version. In order for an import to be possible, update the environment to the newest version and export the processes again.

3.2. Updated components

- Updated the **SOLR Search Server** component to version **9.6**.
The Installer will verify that **Java 11** or newer is installed.

4. Changes to existing features

4.1. General

- When updating to Solr 9, if the option to skip the export of user activities was chosen, the installer will not attempt to export the user activities during future updates. Skipping the export is noted in the AdminDBScriptInfos table.
- Due to a change in nomenclature by Microsoft, any use of the **Azure Active Directory (AAD)** name in the system has been replaced with the current name: **Microsoft Entra ID**.
- Logs of cyclical actions older than one year will be removed from the **AutomationSessionExecutions** table. Additionally, deleting logs from the AdminServiceLogs and WFR recurrentActionsExecutions tables has been optimized.

4.2. Portal

- Made minor adjustments to the appearance of the **Description panel** and **Navigation grid**. The modifications included, among other things, adding the widget name to the upper part of its side configuration panel, improving the image scaling mechanism within columns, and reducing the gap between the text column and the image.
- Added an expiry date check for the **Working on behalf of substituted person with full access** substitution. If the expiry date has passed, the **Substitute** is prompted that they do not have the privileges to perform operations for the **Replaced person**.

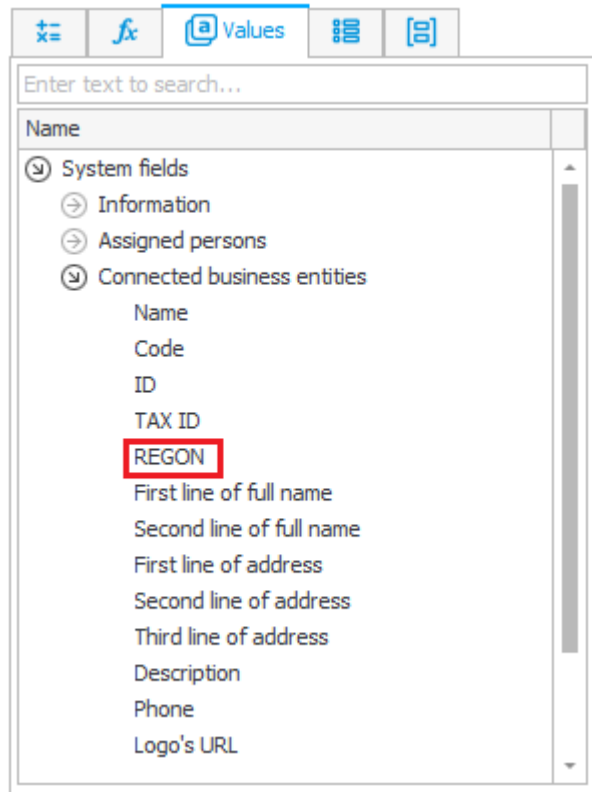
4.3. Form

- Added the ability to capitalize all file extensions added in the **Attachments** section of the workflow instance. In the case of MS Excel files, documents with .XLSX extension will be correctly imported, e.g., into the **Item list**.

4.4. Designer Studio

- In the **System fields** -> **Connected business entities** node of the **Variables editor**, a **REGON** variable ({COM_REGON}, Polish State Statistical Number) has

been added to be used when creating **Business rules**.



- Changed the system behavior when no license is available for a newly created **BPS user** profile. In this scenario, the system now registers the exception, records it in the database, and displays an appropriate message in the Designer Studio tool.
- Added an option to the **Import wizard** to select whether to overwrite the application page (**System dashboard**).
- Changed the way in which the **Single-Use Access License** is checked and used when a subworkflow is initiated by the parent workflow started by an external user. In such cases, two Single-Use Access licenses will be used: the first one as a result of initiating the parent workflow, and the second one due to the initiation of the subworkflow. Previously, the initiation of the subworkflow was interrupted by a message indicating that no license was assigned.

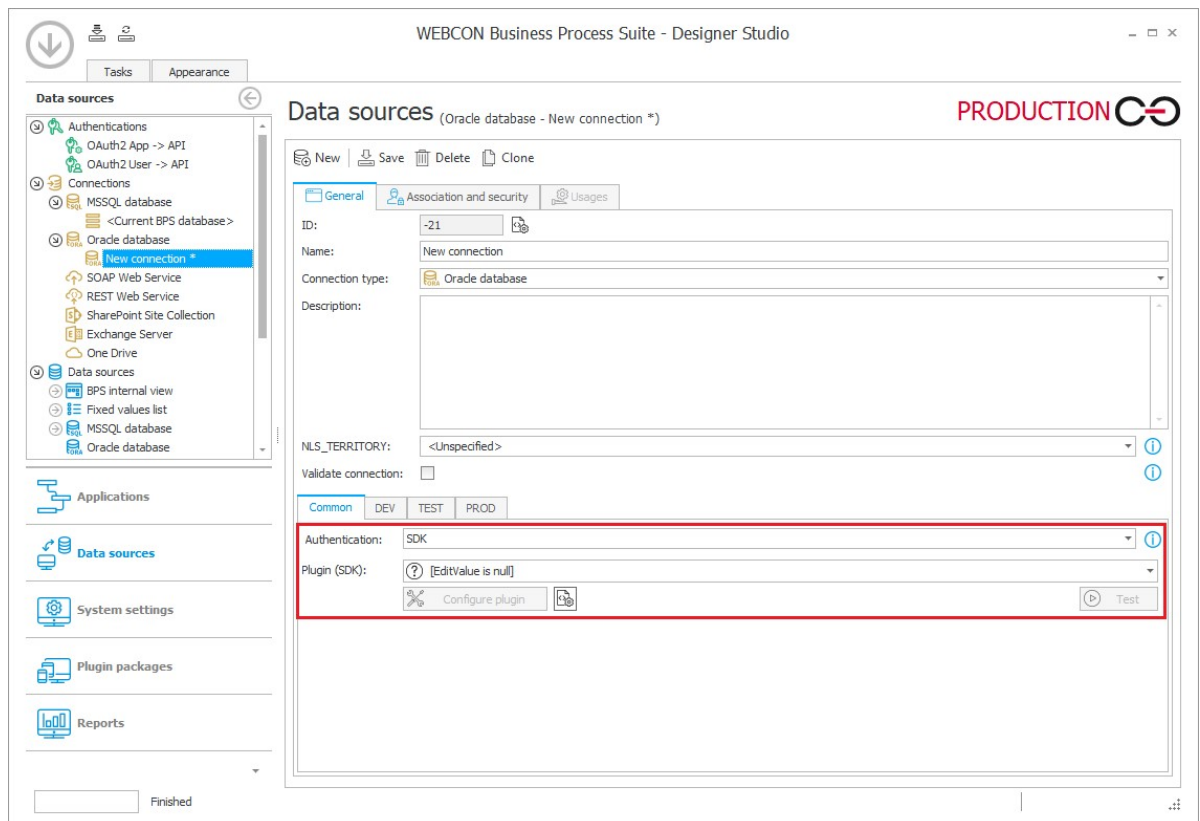
4.5. Designer Desk

- A preloader icon animation has been added, which is displayed when a prototype is published to WEBCON BPS Designer Studio, indicating that this operation is in progress.

5. New features

5.1. New authentication type – SDK

A new authentication type, **SDK**, has been added in the configuration of **REST Web Service**, **MSSQL database**, and **Oracle database** connections. After selecting it, authentication to a given server can be performed with the previously configured SDK plugin.



This solution will allow users to set custom authentication parameters for the **REST Web Service** data sources and **Invoke REST Web Service** actions used in the system, and also to define connection strings for **MSSQL database** and **Oracle database** data sources and connections, accordingly.

Moreover, due to the above update of **Oracle database** connections, the corresponding http methods: GET, POST, and PATCH have been changed in API beta.

```
"oracle": {
  "common": {
    "serviceName": "string",
    "connectionType": "SqlLogin",
    "user": "string",
    "password": "string"
  },
}
```

5.2. Portal

- Added a tooltip that displays the full name of the report embedded in the **Dashboard**. The tooltip appears when hovering over the shortened report name within the widget.

5.3. Form

- Added a tooltip that displays the full name of the path in the **History**. The tooltip appears when hovering over a path button with a shortened path name.

5.4. Service

- A WEBCON BPS Workflow Service telemetry metric, **webcon-workflow-ocr-finereader-licence-remaining-pages**, has been added to count pages that can be subjected to optical character recognition (OCR) under a valid ABBYY FineReader license.

5.5. Designer Desk

- Added the new option **Encode dangerous HTML tags** which allows users to specify whether dangerous HTML tags, i.e. the ones that allow for initiating a JavaScript code, are to be deleted or are permitted. The new option is available and selected by default for the form fields **Data row** and **Data table** whose **Advanced configuration** now includes respective column with checkboxes. Additionally, the option is available for the **Item list** columns **Data row** and **Calculated text value** in the form of respective checkbox in their Advanced configuration which selected by default.

NOTE: after updating the existing installations to the newest version, the Encode dangerous HTML tags option is by default selected for all columns of the Data row and Data table form fields. For the Item list columns Data row and Calculated text values, the respective checkbox remains unchecked after updating the installation to the newest version.

6. Bug fixes

6.1. General

- Fixed an issue in the mechanism that waits for form operations to finish. The mechanism is supposed to ensure that operations executed on the form in the background (e.g. setting fields with rules) are executed correctly. The error caused the mechanism to not work correctly if the fields were set to an invalid value (e.g. a target choice field was set to an empty value) and would prevent path transition in such cases.
- Improved parameter validation during WEBCON BPS installation using **Service Principal** authentication (Microsoft Entra ID) to SQL Server.

6.2. Portal

- Fixed an error that occurred when importing dictionary items if two form fields had the same name.
- Fixed an error in the document template report that occurred when the system column, **Attachment name**, was deleted, preventing further editing of the report.
- Improved responsiveness of the **Recent activities** widget. The widget now dynamically resizes to fit the width of the dashboard column or the home page.
- Fixed a bug where the filtering configuration was not cleared after switching the **Absence chart** view.
- Fixed an error that prevented exporting an application if one of its elements was a **Table** report for which **Quick paths** were configured. The error was caused by the presence of an invalid tag retrieving the path ID in the Quick paths configuration.
- Improved mouse scrolling on the **Absence chart** page. Scrolling speed is now the same across the entire page.
- Fixed a bug that prevented going to the workflow instance preview via a link when the database context was missing, such as when searching for an instance on the Portal home page.
- Improved sorting of **My tasks** by **Days in step**.
- Fixed a bug that prevented editing a report view with misconfigured row coloring. The error was also present in WEBCON BPS Designer Studio.
- Fixed a bug where a workflow instance could still be edited and modified after it was deleted and would still appear in search results.
- Fixed a bug that caused the running address to be removed from the Portal URL in **Service mode**.

- Fixed an issue where cancelling the creation of a new **Data source** for a report embedded in the **Dashboard** did not result in its deletion.
- Improved the display of the **Navigation button** and the **Navigation menu**. After the change, these options are displayed alternately depending on the set browser's window width. The position of the active Navigation button is adjusted so that changing the window width does not reduce its visibility.
- Fixed an error when switching between report **Views** if the same numeric column was used in their configuration. The error occurred if the coloring for that column was set to **Color scale** mode in one View and the column was hidden in the other View.
- Improved the display of the application name and color on the **History** banner when the History is accessed from the workflow instance in the **My tasks** section, rather than in the context of that application.
- Fixed a bug that prevented the new **Absence chart** view from being set as the default.
- Improved editing of translations in the text fields of the **Description panel**, **Navigation grid**, and **Start** widgets.
- Fixed a bug in the **Absence chart** if its configuration used a data source based on the **Vacations history** or **Days off** template where dates were expressed as decimal values.
- Improved the display of the **My tasks** number badge in the **Navigation menu**. After the change, this badge is vertically aligned with the arrows of the sections below.

6.3. Form

- Fixed an issue that caused only one of many selected attachments to be added to a workflow instance. The error occurred if the workflow instance already had an attachment with the same name as one of the files to be added.
- Fixed the behavior of panels with many tabs on the form. An error caused the tabs to switch into dropdown mode unnecessarily, even when there was adequate space on the form.
- Fixed an error that caused the checkout of an instance in the parent workflow to be forcefully removed. The error occurred when going through a path in a subworkflow.
- Fixed an issue in the **Calculated floating-point value** column that caused the formula to divide by zero. The mechanism for detecting such operations has been improved.

- Limited the number of exceptions logged from Aspose to only those related to fonts. The error caused an excessive number of entries in the Event Viewer originating from Aspose (related to e.g. generating attachments or attachment preview).
- Improved the display of the "i" icon with the form field description so that it does not extend beyond the configured **Field group** or **Tab** area for long form field names.
- Improved the display of the default font name in the **Multiple lines of text** form field editor.
- Improved cache loading of TinyMCE plugins. This fixed a bug in the **Multiple lines of text** form field that prevented it from being edited (and adding images to it).

6.4. Designer Studio

- The error message that appears when a task is not assigned to a person has been enhanced to include **the name and ID of the path** for which the error occurred.
- Added info about the **BPS_ID** to logs concerning the user's profile picture synchronization.
- Fixed a bug that prevented **BPS user list synchronization with Microsoft Entra ID** (previously Azure Active Directory) from being configured if the extension attributes in the **Columns mapping** column had an underscore "_" in their name.
- Fixed a bug where after removing the **Dashboard** from WEBCON BPS Designer Studio, translations of its text fields were still available in the system, preventing the export of the entire application.
- Deleted an erroneous message that appeared when saving the **REST Web Service connection** configuration if different **Authentication types** were specified for different environments (**DEV/TEST/PROD/Common**).
- Fixed a bug where a **Business rule** created in the configuration of the **Waiting for sub-workflows** step in the **Parent workflow** replaced tag values from the context of the current **Subworkflow** instance.

6.5. Actions

- Fixed a bug that prevented changing the **Priority** in the **Teach OCR AI** action configuration in WEBCON BPS Designer Studio.
- Fixed a bug in the **Invoke SOAP Web service** action that returned the phrase "System.Byte[]" instead of Base64 format values when mapping values returned by the Web service to **Item list** columns. The values mapped from the form fields to the **byte[]** request field as a result of the action are now also in Base64 format.

6.6. Rules

- Fixed an error caused by using **SQL COMMAND** and **DATA SOURCE VALUE** functions when configuring the visibility of form fields. The error occurred when attempting to send an email whose body contained variables that referenced these fields.

6.7. Data sources

- Fixed a bug that occurred when trying to remove a non-existent association of a **Connection** with an application.
- Improved filtering of **Data source** values based on a condition, so that the configuration of the Data source itself (e.g., limiting the value to a selected process) is also taken into account.

6.8. Add-In

- Fixed an issue with adding tables (**Item list**, **Data table**) to documents via the **Word Modern** add-in.
- The **Word Modern** add-in's behavior when switching content databases has been fixed. Form values will be loaded after selecting the database and pressing **Search**.

6.9. Mobile app

- Improved the display of the navigation menu in the mobile application. By default, this menu is hidden so that it does not interfere with the application elements.

6.10. Service

- Fixed a bug where the phrases "%BodyContent%" and "%Content%" were placed in the body of the e-mail together with the form field values corresponding to these parameters in the **HotMailBox** configuration.
- A protective measure was added to ensure that the WebCon WorkFlow Service is not stopped when attempting to read a barcode from a PDF document containing pages with invalid sizes.
- Optimized logging of the WebCon WorkFlow Service. If the logged operation was carried out in a context that was not the database (e.g. PowerShell actions), the levels of service logging were not considered (e.g. „info“ was mixed with „importantinfo“).
- Optimized sending of PUSH notifications for task counter updates to iOS mobile devices.
- Optimized the number of entries added to the SOLR indexing queue for a workflow instance when executing the **Add privileges** and **Remove privileges** actions.

6.11. Designer Desk

- In the publicly available **Designer Desk** version, the option to generate documentation in MS Word has been disabled.

6.12. API & SDK

- Fixed an issue with the API endpoint, **/api/data/{ver}/admin/groups**. It will no longer require additional permissions for the API account. Each of the required scopes will suffice to load all groups.

WEBCON **BPS 2025 R1**

history of changes for version 2025.1.1.23

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1. Before upgrading WEBCON BPS

1.1. Important information

- To upgrade to **2025 R1**, you need to have active **Software Assurance** for perpetual licenses or an **active subscription license**. After the upgrade, you should update your license package to avoid system interruptions. To do this, make sure that your WEBCON BPS licenses have been updated – check the availability of **WEBCON BPS Server 2025** licenses in the license report available in **WEBCON BPS Designer Studio (system menu in the upper left corner of the application -> Licenses)**. If necessary, download the updated licenses.
- If the changelog contains a section titled "Changes to existing features", please verify whether the changes will impact your implemented system in any way.
- Changes introduced in this version will break the compatibility of the Export-Import mechanism. Exported process packages created in versions **2024 R1** and older cannot be imported to the newest system version. In order for an import to be possible, upgrade the environment to the newest version and export the processes again.
- Changed the way of defining and the range of variables that can be set for **Color themes** in Portal. In connection with this change, all custom color themes have been disabled and using them requires their reconfiguration. The predefined **WEBCON White** color theme has been removed.
If users utilize the removed or disabled color theme, the default theme in which Portal will be displayed after the upgrade will be **WEBCON Light**.
- Starting with version 2024 R1, the required component to be installed on the server running SOLR is **Java 11** or later (the recommended distribution is OpenJDK). This component will be installed as part of a standard system update in the C:\Program Files\Java\jdk-22.0.1 folder.

It is permissible to install the Java component independently, outside the standard WEBCON BPS installation. In this case, it is necessary to set the environment variable **JAVA_HOME** with the path to the directory where the Java component is installed.

- Due to the discontinuation of the **Sign an attachment with CoSign** action, it is necessary to remove all existing uses of this action before upgrading the system. The installer will not allow an upgrade if the system has this action configured.

2. Security fixes

2.1. Updated components

- The following components have been updated:
 - System.IdentityModel.Tokens.Jwt to version 6.35.0,
 - Microsoft.Identity.Client to version 4.61.3,
 due to vulnerability patches:
 - CWE-362
<https://security.snyk.io/vuln/SNYK-DOTNET-AZUREIDENTITY-7246762>
<https://security.snyk.io/vuln/SNYK-DOTNET-MICROSOFTIDENTITYCLIENT-7246763>.
- The tinymce component has been updated to version 6.8.4 due to the vulnerability patches:
 - CVE-2024-38356
<https://github.com/advisories/GHSA-9hcv-j9pv-qmph>
 - CVE-2024-38357, CWE-79
<https://security.snyk.io/vuln/SNYK-PHP-TINYMCETINYMCE-7278051>.
- The System.Security.Cryptography.Pkcs component has been updated to version 7.0.3 due to the vulnerability patches:
 - CVE-2024-38095, CWE-20
<https://security.snyk.io/vuln/SNYK-DOTNET-SYSTEMFORMATSASN1-7443633>.
- The System.Text.Json component has been updated to version 8.0.4 due to the vulnerability patches:
 - CVE-2024-30105, CWE-400
<https://security.snyk.io/vuln/SNYK-DOTNET-SYSTEMTEXTJSON-7433719>.
- The fast-xml-parser component has been updated to version 4.4.1 due to the vulnerability patches:
 - CVE-2024-41818, CWE-1333
<https://security.snyk.io/vuln/SNYK-JS-FASTXMLPARSER-7573289>.
- The MimeKit component has been updated to version 4.7.1 due to the vulnerability patches:
 - CVE-2024-29857
<https://www.cve.org/CVERecord?id=CVE-2024-29857>
 - CWE-770
<https://cwe.mitre.org/data/definitions/770.html>.
- The following components have been updated:
 - Azure.Identity to version 1.11.4,
 - Microsoft.Identity.Client to version 4.61.3
 due to the vulnerability patches:
 - CVE-2024-35255

<https://www.cve.org/CVERecord?id=CVE-2024-35255>

- CWE-362

<https://cwe.mitre.org/data/definitions/362.html>.

- The micromatch component has been updated to version 4.0.8 due to the vulnerability patches:
 - CVE-2024-4067, CWE-1333
 - <https://security.snyk.io/vuln/SNYK-JS-MICROMATCH-6838728>.
- The react-native component has been updated to version 0.75.3 due to the vulnerability patches:
 - CVE-2024-4067, CWE-1333
 - <https://security.snyk.io/vuln/SNYK-JS-MICROMATCH-6838728>.
- The dompurify component has been updated to version 3.1.6 due to the vulnerability patches:
 - CVE-2024-45801, CWE-1321
 - <https://security.snyk.io/vuln/SNYK-JS-DOMPURIFY-7984421>.
- The path-to-regexp component has been updated to version 6.3.0 due to the vulnerability patches:
 - CVE-2024-45801, CWE-1321
 - <https://security.snyk.io/vuln/SNYK-JS-PATHTOREGEXP-7925106>.
- The System.Text.Json component has been updated to version 8.0.5 due to the vulnerability patches:
 - CVE-2024-43485, CWE-407
 - <https://security.snyk.io/vuln/SNYK-DOTNET-SYSTEMTEXTJSON-8168848>.
- The System.Runtime.Caching component has been updated to version 8.0.1 due to the vulnerability patches:
 - CVE-2024-43483, CWE-407
 - <https://security.snyk.io/vuln/SNYK-DOTNET-SYSTEMRUNTIMECACHING-8168846>.

3. Information

3.1. Portal

- The introduction of a new graphical user interface entails modifying the HTML structure of the Portal pages and adjusting the CSS that these pages employ. This is particularly relevant when using the **Global CSS styles** functionality, which may not function as intended following the system upgrade, potentially impacting the Portal's visual appearance. Altering the HTML structure may also influence the operation of the **HTML code** widget on the application dashboards and the **HTML form field**, if system CSS styles were incorporated into these controls.
- Optimized memory consumption of WEBCON BPS Portal.
- Improved the data retrieval mechanism for reports. Now, SQL queries are limited to columns visible to the user in the report view, as well as system columns essential for proper functionality, instead of fetching all columns defined in the report's data source.
Note: Reports with coloring configurations are the exception — in these cases, all columns will still be retrieved to enable accurate coloring based on complete data.
- Introduced a series of efficiency improvements when loading the main Portal and application pages. Improved how data about user privileges is verified and sent.

3.2. General

- To run Designer Studio remotely (launched on a local machine from the User menu in Portal), a symmetrical connection with a transfer of at least 100Mb/s is recommended.
- Optimized the basic roles of the service, user synchronization, and Mail Approval. The changes that were implemented include:
 - the timeout for loading an individual piece of data during user synchronization has been set to 15 minutes (with no option to change it),
 - the mechanism for calculating AI analysis is limited to 3000 instances and 3 million historical versions,
 - the handling of signed emails containing attachments with no extension (but having a correct mime-contenttype based on which it can be defined) has been improved.

3.3. Add-In

- As per the “Platform compatibility roadmap”, the **Outlook Classic** add-in will only work on the 64-bit version of Outlook.

3.4. API & SDK

- **API v4.0** has been removed, while version **5.0** has been marked as deprecated. The **api/login** endpoint used for authentication has been removed and replaced

with the **/api/oauth2/token** endpoint. Therefore, if a REST Web Service connection is configured in Designer Studio and WEBCON BPS is specified as the authentication type, the connection will be automatically updated to **Application (oAuth)**. Additionally:

- if the connection to WEBCON BPS versions 2022 and higher is established by an application (Connect as -> Application), no further action is required,
- if the connection to older versions of WEBCON BPS is established by an application, the settings must be changed to **Connect as -> Application (obsolete)**,
- if the connection to WEBCON BPS 2025 is established by a user (Connect as -> User), it is necessary to reconfigure the connection to use the **oAuth2 User -> API** authentication type, or connect as **Application (oAuth)**.

4. Changes to existing features

4.1. Important information

- The **Users and groups synchronization** mechanism has been changed significantly. The change overhauls the handling of accounts loaded from external sources that do not have mandatory attributes required by the synchronization mechanism (the attributes considered mandatory are listed at the bottom).

Handling user accounts with missing mandatory attributes.

Until now, accounts that were missing attributes were synchronized anyway and marked for later correction. After a period of time defined by the `HoursToKeepFaultySyncObjects` global parameter, if the missing info was not added, the user was automatically deleted during the next incremental synchronization.

From now on, only users with all mandatory attributes will be synchronized to the database. New accounts with missing data will not be synchronized. Accounts that lose mandatory attributes will be deleted from the database during synchronization.

Deleting user accounts as a result of OU connection error during incremental synchronization with the AD.

Until now, when running an incremental synchronization, if the system failed to read data from the defined OU, its users that were already synchronized would remain unchanged.

From now on, a failed connection to the OU will result in its users being removed. The users from the OU will be treated as if they no longer exist (not found in the synchronization source), and will therefore be removed from the database.

Note: This change may affect the integrity of the user synchronization structure.

Therefore, it is recommended to use the **Interrupt synchronization on any Active Directory error** option in Designer Studio (*System settings -> Global parameters -> Users and groups synchronization -> Configuration -> Advanced*).

With this configuration, an OU connection error will cause the synchronization to fail, and the user structure will remain the same as before the synchronization.

List of mandatory attributes.

If any of the following attributes are missing during the synchronization, the affected object (user or group) will be skipped during synchronization. Such an object will not be found in the BPS users list or will be deleted from it.

AAD:

- UPN (UPN may not contain # characters)
- Azure ID

AD:

- distinguishedname

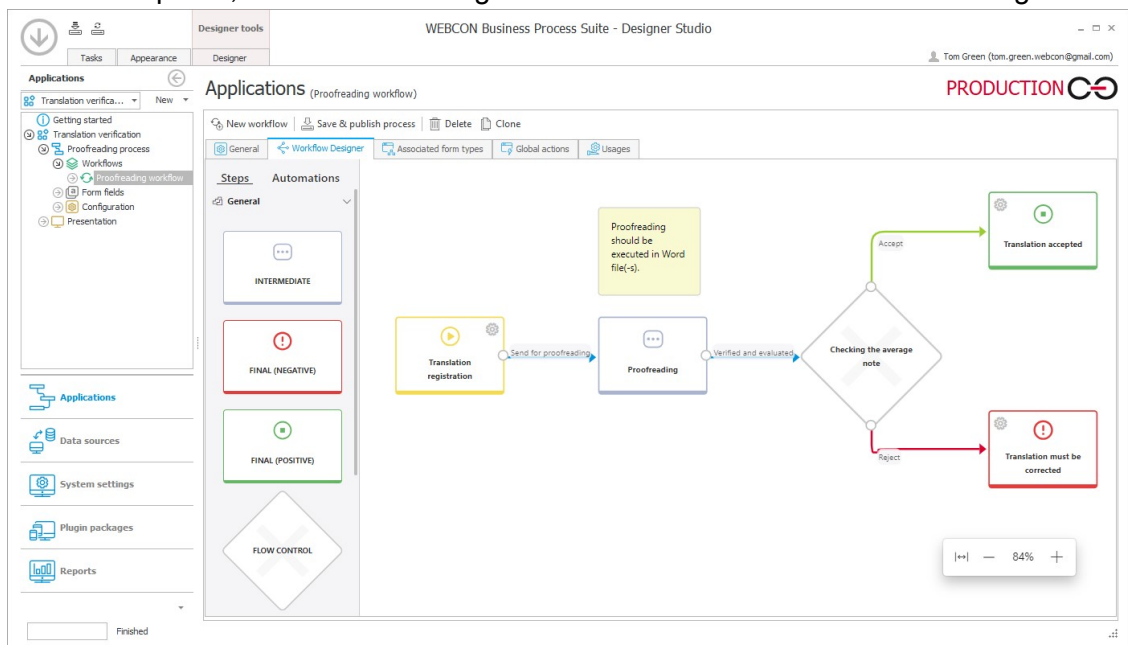
- samaccountname
- objectclass
- UserPrincipalName (for users)
- useraccountcontrol (for users)
- samaccounttype
- objectsid (for groups)

LDAP:

- objectclass
- useruniqueidentifier (for users)
- groupuniqueidentifier (for groups)

4.2. Changes to the Workflow designer

A web-based version of the **Workflow designer**, previously known from WEBCON BPS Designer Desk and Portal, has been introduced in WEBCON BPS Designer Studio. As part of this update, a number of changes have been made to the workflow design tools.



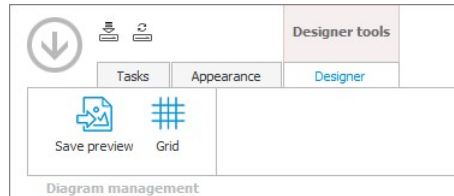
Steps and Automations

Each newly created workflow is automatically configured with one start step and one positive final step connected by a path. Users have the option to extend the workflow by adding **General** steps, as well as the steps associated with **OCR and scanning** operations available from the menu on the left. Note that adding workflow steps is now only possible from the Workflow designer. The new **Automations** tab allows users to add process and global automations by dragging and dropping them onto the step entry/exit and the path.

Path/Step context menu and Designer tools

The **Show analysis** option has been added to the context menu of steps, replacing the **Analysis** parameter previously available in **Designer tools**. When the **Hide on diagram** option is used in the context of a step or path, the selected workflow design element is highlighted in grey and, for steps, **[HIDDEN]** appears next to the step name.

At the same time, the Designer tools have been restricted to the **Diagram management** tab, where the **Save preview** and **Grid** options are available.



Notes

All notes added in Designer Studio are now visible in the **Workflow designer** in Portal, where it is also possible to edit their content, move them freely, and resize them in the diagram. All notes added will be visible in the generated documentation.

Notes can now also be created and edited in WEBCON BPS Designer Desk.

Buttons for resizing the workflow preview

The menu for zooming in and out of the Workflow designer has also been changed. The diagram size is now given as a percentage, and there is also a **Fit to screen** button which, when pressed, automatically adjusts the diagram size to the current window size. The appearance of this menu has been standardized in all places where the workflow preview is available: in the **Workflow designer** in Designer Desk and Portal, in the **Workflow heatmap** report, and in the workflow preview on the form. In addition, the zoom status and position in the preview are remembered and saved in the browser.

4.1. Timers replace Timeouts and related functional changes

The latest system release introduces numerous changes and improvements to the operation of **Timers** (formerly known as **Timeouts**). Among other things, it is now possible to configure timers for **immediate** initial activation and subsequent activations at a specified **Interval**, as well as to remove activated timers from related workflow instances. These changes have been made by extending and customizing the **Timer details** configuration window.

As part of the functionality, the configuration associated with the handling of validation/execution errors of timer-related actions has also been enhanced by introducing two additional parameters: **Acceptable number of consecutive errors** and **Number of minutes to retry after error**.

Additionally, a **Test** button has been added to allow users to check the planned execution dates of their configured timer via an additional **Planned timer executions** window. The view contains a maximum of 10 scheduled timer executions.

4.2. Configuration of the Widget form field in the Process design tool

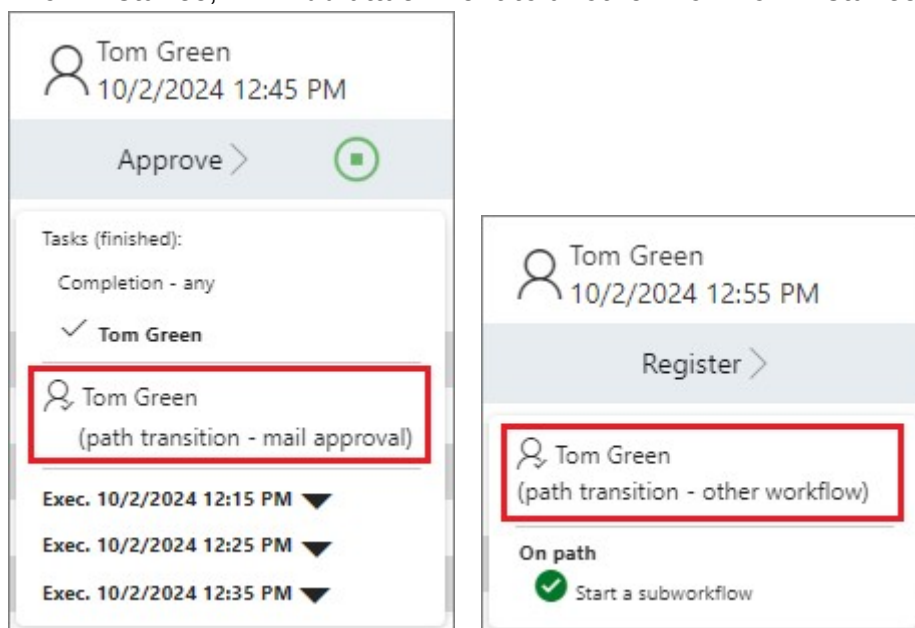
Expanded the configuration options for the **Widget** form field within the Portal's **Process design** tool. As a result, after navigating to the **Advanced settings** of the form field and opening the **Configuration** tab, users can now configure most options that were previously available only in Designer Studio. Consequently, users can modify various settings, including widget type and color, define the visibility and location of the form field name, as well as enable color scale.

4.3. Changed author of related workflows (MailApproval)

The information recorded in the instance **History** when a path transition has occurred via the **MailApproval** functionality has been changed. The full information in this case will now read “path transition – mail approval”.

Additionally, if such a path transition using the MailApproval command triggers a subworkflow as a result of executing an action configured on the path, the user who went through the path will be shown as the author of such a change in the related workflow's History. Previously this was always the **WebCon Workflow Service**. The information “path transition – other workflow” will also be displayed there.

The change relates to starting/modifying related workflows using the actions: **Start a subworkflow**, **Start a subworkflow (SQL)**, **Move workflow (SQL)**, **Update related workflow instance**, and **Add attachment to another workflow instance**.



4.4. Changes within the Verify attachment's signature action

Modified the names of some parameters in the configuration window of the **Verify attachment's signature** action to better reflect their function. Additionally, refined the description in the hint (the "i" button) for the **Regular expression** option.

4.5. Portal

- Updated and unified how suggested elements are selected to be displayed on the main application page. The **Suggested dashboards and reports** section will only display tiles for views, not entire reports. In situations where the user has not used the report (not enough activity data to make a view suggestion), the default view will be suggested.
- When running WEBCON BPS Portal via the CMD console, the returned logs will now contain a date and time stamp at the beginning of each line.

- Introduced the ability to integrate logs and logging tools with OpenTelemetry in WEBCON BPS Portal.
- Changed the approach to the type of response returned when entering Portal operating in the maintenance mode. Currently, in such cases, the 503 code is returned for all the endpoints whose address begins with the “/api/” prefix. For other endpoints, the page informing about active maintenance mode is displayed.
- Added a warning to the **Event Viewer** tool that appears when attempting to view a file with unavailable fonts in Portal.

4.6. General

- Changed the handling of prohibited special characters in addresses used in OData endpoints. Currently, those characters are replaced with an underscore (_).
- Changed the default compatibility level for new SQL databases created during the installation of the WEBCON BPS platform. As a result, the previous compatibility level set to 120 (SQL Server 2014) has been replaced with the highest possible level, which, however, cannot exceed 160 (SQL Server 2022). This modification does not affect existing databases, which will retain their compatibility level of 120.
- The **Abbreviation** option has been removed from the application configuration window in Designer Studio. This parameter is no longer available in the system or displayed on the application page, reports or dashboards.

4.7. Form

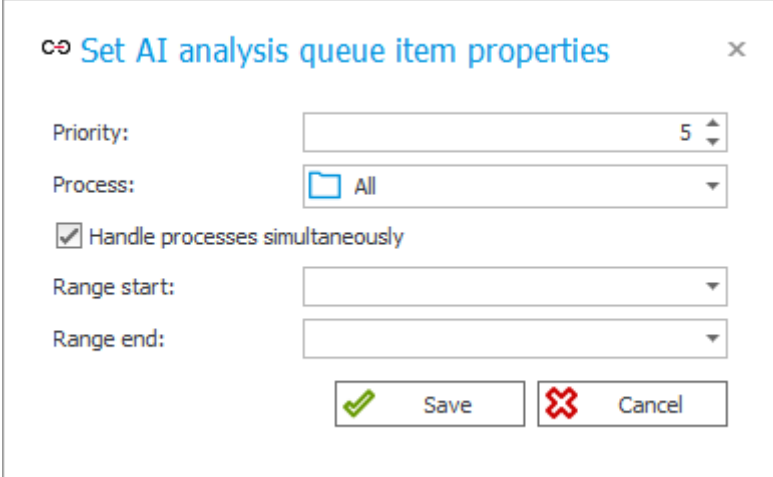
- Changed the naming convention for image files when pasting them into the **Attachments** section. If a file that already exists in the system is pasted within this section, its system name is preserved. However, when a user pastes a screenshot, the file name is defined by the currently opened internet browser. Additionally, if a user attaches a file with a name that has already been added to the section, a sequence number in parentheses is added to its name.
- Changed the approach to retrieving data in **Choice field** operating in the **Dropdown** mode and the **Choice tree** form field. Now, in both cases, data is not retrieved when the form is not displayed in the edit mode. Furthermore, data is not retrieved if the form operates in the edit mode but the form fields are configured as **Read-only** in the **Field matrix**, and, additionally, for Dropdown mode, if the value has already been filled out.
- Changed the approach to recalculating values in the **Item list** form field. Currently, recalculation is not performed when values are changed in the cells of a column that has been configured as invisible in the **Field matrix**.
- Changed the moment when the **Update item list values** action sets the value of target fields dependent on **Choice columns**. Currently, after setting the value in a

Choice column, this value is immediately copied into the target field and then potentially replaced by the action.

- Changed the behavior of the **Choice field** when operating in **Autocomplete** mode. Now, after expanding the dropdown associated with the form field, the focus is automatically set to the input.
- Changed the form behavior for path transition when a picker field operating in read-only mode is initiated with a default value from outside the field's data source. Currently, in such situations, a message is displayed informing about the incorrect value provided in the picker configuration, and the path transition is not possible. Previously, the system permitted the path transition despite the incorrect value entered in the picker field.

4.8. Designer Studio

- In the **AI Analysis** report configuration, the meaning of an empty value in the **Range start** parameter was changed.



Until now, an empty **Range start** was treated as the current date minus one year.

After this change, an empty **Range start** will be treated as the creation date of the process.

An empty **Range end** will still be treated as the current date.

- Changed the approach to the presentation of numerical values after pressing the **Test** button that verifies whether an SQL query is correct. Currently, the numerical data is displayed with all trailing zero digits of a given number (previously, those zero digits were omitted).
- If an error occurs when parsing **Form rules**, the error log available in **Administration tools** will contain the name and ID of the form rule that failed.

4.9. Actions

- In the **Generate/Update a Word file** action, if the output file has a configured dynamically-set category, but the process does not have an attachment category

source defined, the category of the attachment will be saved in the database anyway – in ID#Name format. Previously, if no defined categories existed, the attachment was saved with an empty category.

- Modified the behavior of the actions **Add a barcode** and **Print a barcode label** with respect to the 1D codes. Currently, when the number of instances in the system approaches 10 million, the **Event Viewer** tool and the instance **History** display a warning about reaching the limit for generating 1D codes and indicate the need to switch to 2D codes. If the limit is exceeded, the execution of these actions will result in an error. It is then necessary to select the **2D** option in the configuration to go through the path if the **Linear (1D)** option is selected. Alternatively, if both **Linear (1D)** and **2D** option is selected, the action will be stopped, but the path transition will still be possible.
- Removed the option for users to deactivate action execution logging. Consequently, the **Log execution** checkbox has been removed from the action **Properties** window. Additionally, the **ACT_LogExecution** column has been removed from the content database table.
- Changed the behavior of the **Add attachment** action. Now, the action allows path transition even when the action does not return the attachment.

4.10. Data sources

- Changed the default setting for a newly created **Users and groups** data source. Now, the checkbox **Data source type: person or group** is selected by default immediately after creating the source.

4.11. Service

- Increased processing performance for each queue and module of the WebCon Workflow Service.
- Changed the message content in the event log that appears when an unsupported Abbyy FineReader version is detected. Currently, the system displays the version of the software the user is utilizing and the version supported by WEBCON BPS.
- The rules for sending email notifications in **Deployment mode** have changed. If a notification is sent in multiple languages, each recipient of such a notification will receive it in all language versions.

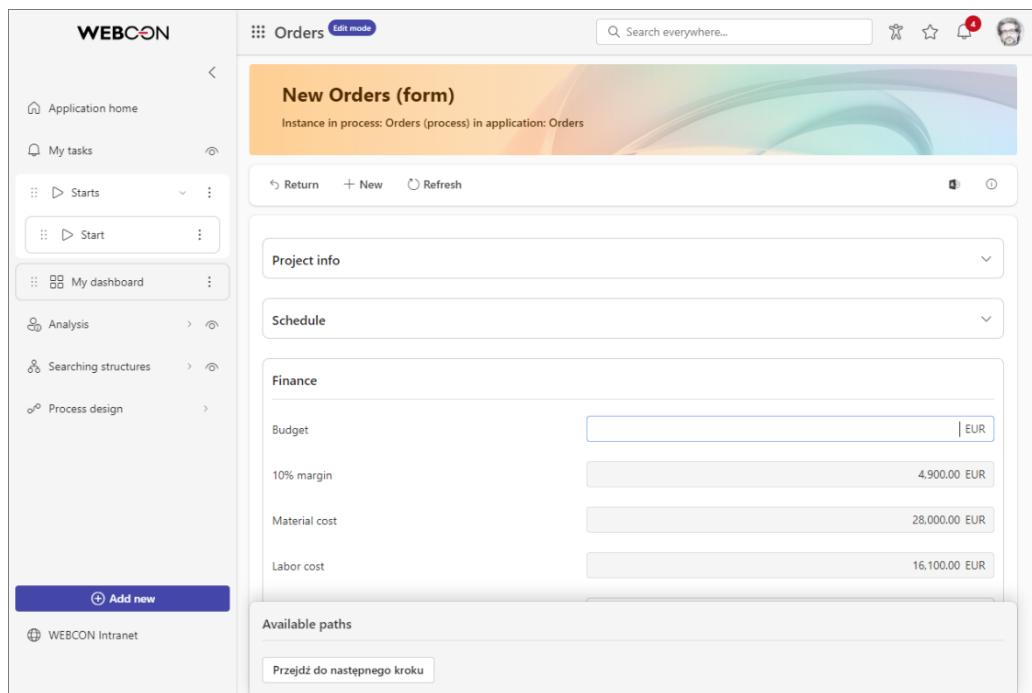
4.12. API & SDK

- The **resolveFieldValue** and **resolveColumnValue** endpoints in the public API will now accept empty request body.

5. New features

5.1. New graphical user interface in Portal

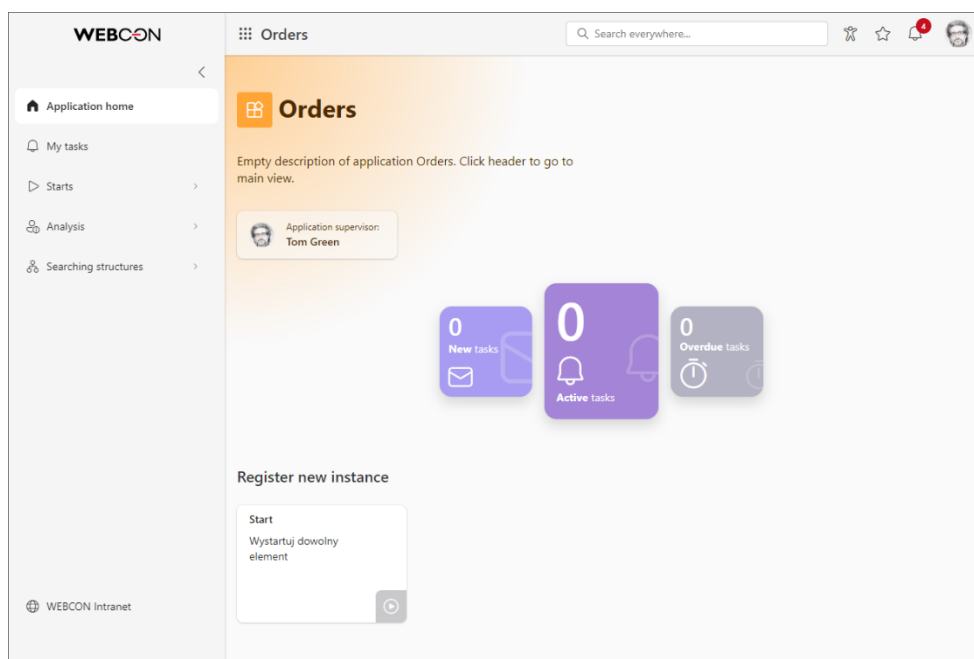
The latest version of WEBCON BPS features a new graphical interface for Portal, now based on the Fluent 2 design system. As a result of the introduced modifications, both Portal pages and their elements, such as the **User menu** and toolbars, now feature a coherent, minimalist design that enhances the user's focus on key interface elements. Most elements, such as tiles and buttons, now feature rounded corners and subtle shading, making them easier for users to notice on the page and enhancing the overall aesthetic appeal. Additionally, the font size has been increased from 13 px to 14 px to improve the clarity of Portal pages.



Apart from the changes related to the new graphical interface, some Portal components have been rearranged or had their behavior modified.

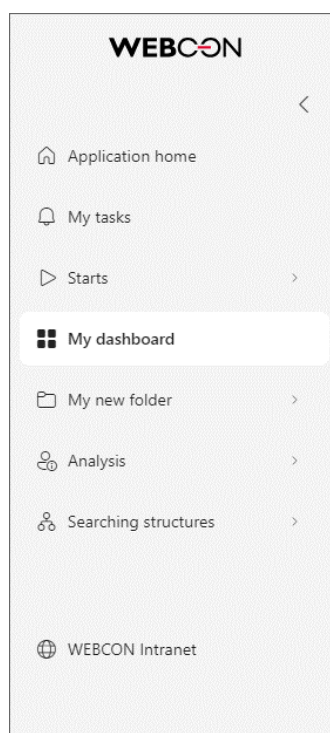
New application page

The appearance of the application page has been modified, and it now functions as a standard dashboard. The page's elements have been preserved, but now feature a different design. For example, an application icon is now displayed next to the application name, which can be selected by the application designer in Designer Studio. It is worth noting that both the page design and its elements can now be modified after enabling the edit mode (the **Restore default configuration** button allows users to revert to the standard appearance of the page).



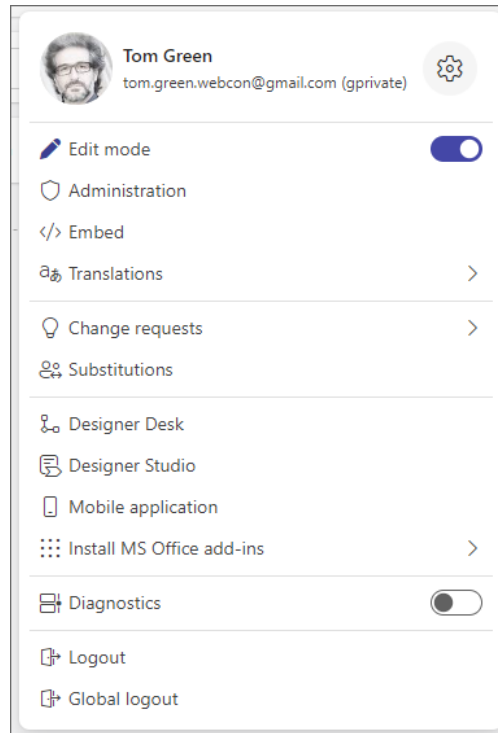
New design and functionality of the Navigation menu

The **Navigation menu** in the new platform version has not only been given a fresh appearance, but also been reorganized and enhanced with new functionality: folder creation. In the first case, an administrator can now hide certain menu elements (e.g., **My tasks** or **Searching structures**) and manage items such as reports, dashboards, or Start buttons by clicking the reversed ellipsis button located on their right side. These items can also be assigned to folders created by the administrator, which are designed to facilitate navigation (the administrator can define the folder's name, icon, and visibility).



Changes within the User menu

The appearance of the **User menu** has been changed and reorganized to include the **Edit mode** button, allowing administrators to activate edit mode, as well as two options previously grouped under the button in the upper bar (**Translations** and **Embed**).



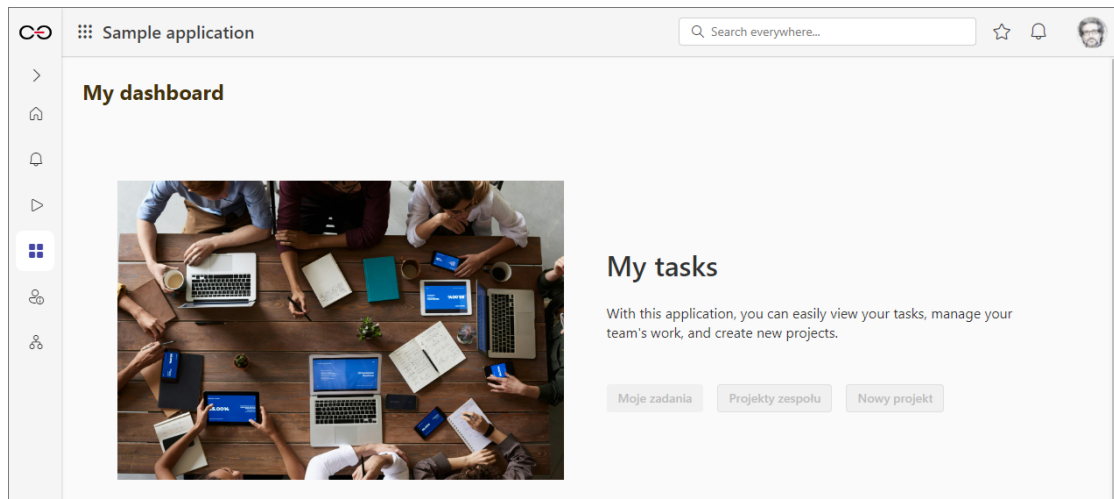
Color themes

The configuration options for color themes have been expanded. Users can now apply a selected theme in one of the three available types: **Light**, **Dark**, or **Contrast**. Additionally, it is now possible to define a **Brand color**. After specifying this color, system automatically generates a palette with corresponding shades (individual palette colors can be overwritten with custom colors). Additionally, users can define custom CSS styles to be applied to the Portal page after selecting a specific theme.

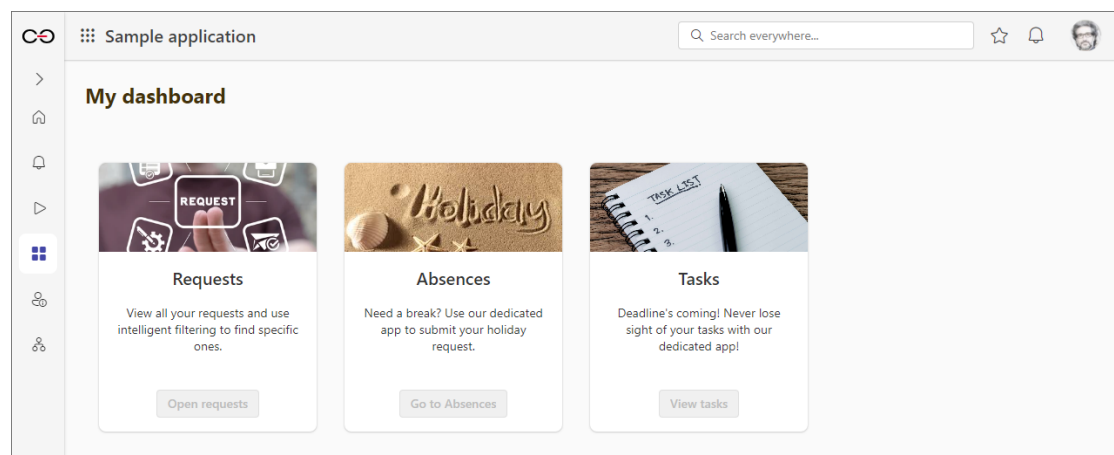
5.2. Navigation grid

Two new widgets, **Description panel** and **Navigation grid**, have been added to the **Additional dashboard elements** group. The new elements can be embedded within a one-column section of the dashboard. The widgets allow users to navigate between various application elements from the dashboard level, while the added images (from a device or via a link) enable the creation of a visually appealing start page. In both cases, users navigate using buttons that contain links to user-defined application elements, such as reports, dashboards, or **Start** buttons.

The Description panel widget allows users to embed an image, text, and up to four navigation buttons. The image can occupy up to half of the widget area, and users can specify its position by selecting one of the four available layout options.

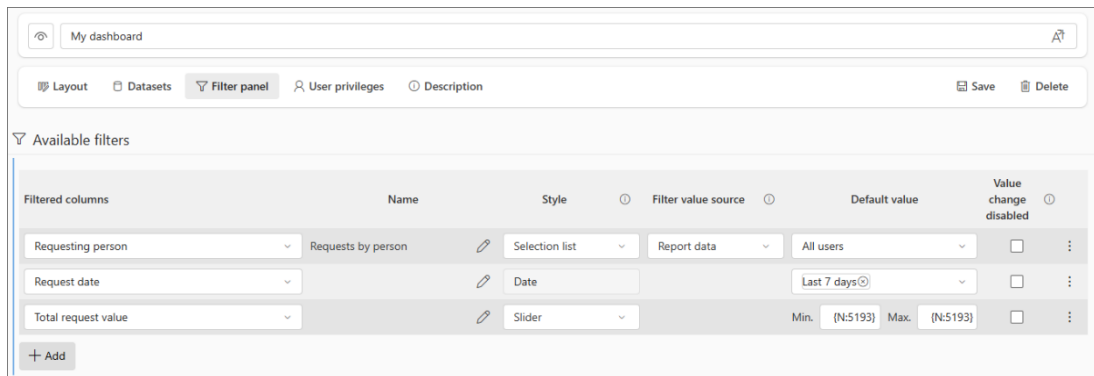


The other of the two widgets, the Navigation Grid, allows users to embed tiles containing an image or icon (depending on the selected layout option), as well as text and a navigation button (one per tile). The selected tile layout option applies to all tiles embedded in the widget.

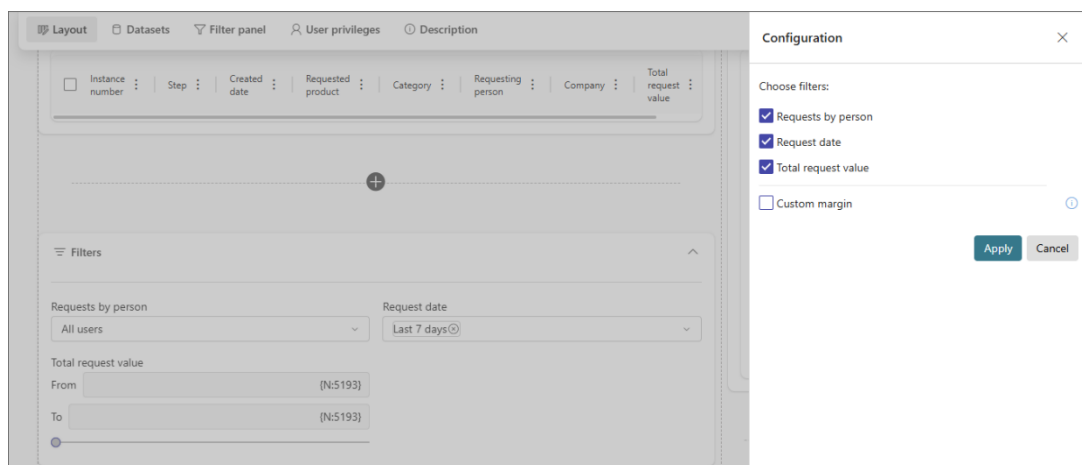


5.3. Filtering dashboard data sets

Added a new tab named **Filter panel** to the dashboard configuration window. This tab allows users to define filters that apply to data sets created within dashboards which supply the reports and **Report tiles** embedded in it. As a result, once a user adds and configures the filter(s), they can limit the data displayed in all dashboard reports that are supplied from the same data source.

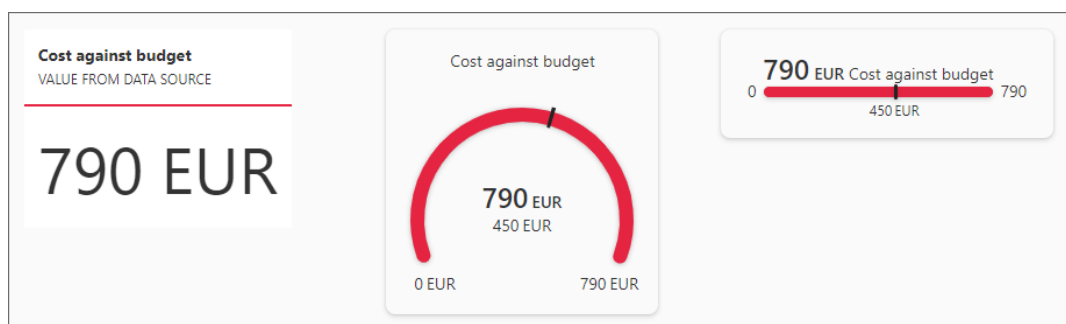


A dedicated widget named **Filter** has been added to allow users to apply the filters created in the Filter panel. Once a user adds this widget to the dashboard and selects the filters provided within it, they can enable or disable individual filters and define their values.



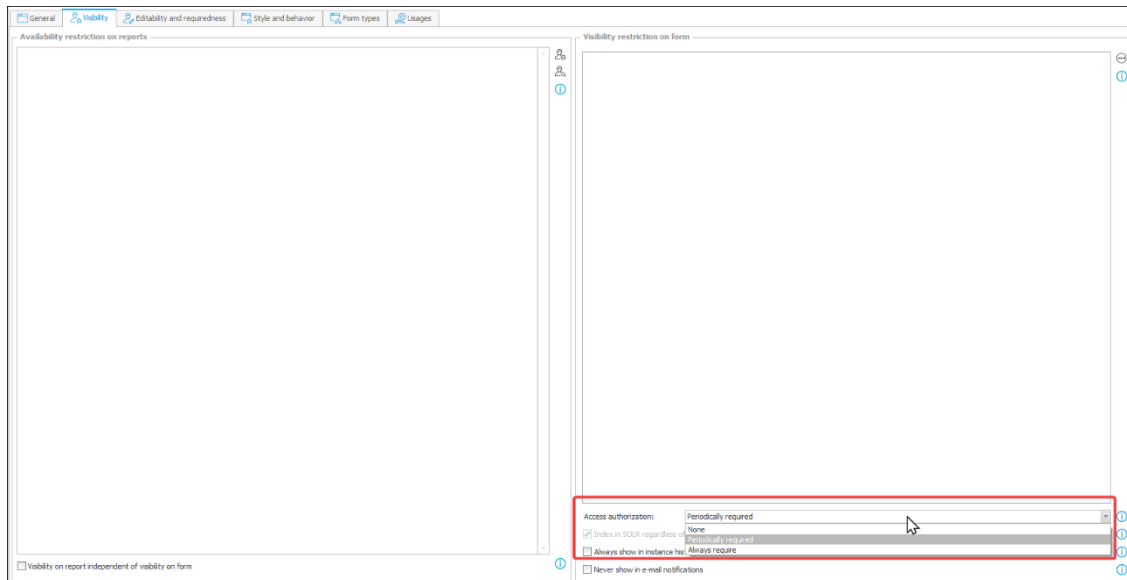
5.4. New styles for Report tile

The **Report tile** element added to the dashboard now offers additional style variants. Users can choose from four tile visualization styles: **Numeric value**, **Progress bar**, **Circular progress bar**, and **Gauge** (similar to the types available for the **Widget** form field, but offering wider configuration options). Consequently, the information within the tile can now be presented against other values.



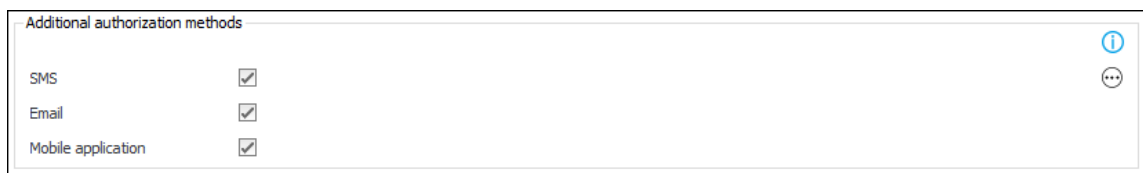
5.5. Access authorization on the form

It is now possible to authorize access to form fields analogously to authorizing path transition. This aims to add an additional layer of security for sensitive/confidential information on the form. The option is found in the **Visibility** tab of form field, group, and tab configuration.



Just like in path authorization, the authorization methods are defined by the administrator under **System settings** → **Global parameters** → **Security**.

These methods are SMS, Email, and Mobile app.

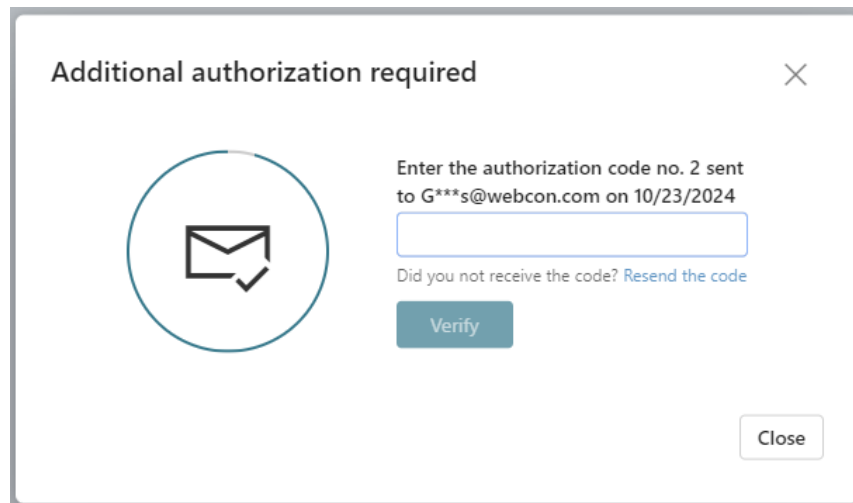


The authorization session for form fields is shared with the path authorization session.

The form field access authorization behaves in two general ways, depending on the mode in which the form is being displayed – Edit or View.

Form in edit mode

Opening the form in edit mode will require the user to authorize access through one of the available methods. This is to ensure that form and business rules work correctly.



A dialog box titled "Additional authorization required" with a close button (X) in the top right corner. On the left, there is a circular icon containing an envelope with a checkmark. To the right of the icon, the text reads: "Enter the authorization code no. 2 sent to G***s@webcon.com on 10/23/2024". Below this text is a text input field. Under the input field, it says "Did you not receive the code? [Resend the code](#)". Below that is a blue button labeled "Verify". In the bottom right corner of the dialog box is a button labeled "Close".

On the form that is saved (i.e. not in the start step), form fields, groups, and tabs will be hidden under the authorization button:



A horizontal bar representing a form section. On the left, the word "Reviewers" is displayed in a bold, dark blue font. To the right of "Reviewers" is a button with a blue padlock icon. To the right of the padlock icon, the text "Restricted access" is shown in a smaller font, and below it, "Click to authorize" is displayed in a blue, clickable font.

Clicking this button reveals the form field, as long as the access authorization sessions is still valid. If the **Periodically require** option is chosen, the access authorization is valid for a defined period (5 minutes by default). When the session is valid, the user may reveal any number of form fields with the **Periodically require** option.

If the **Always require** option is chosen, each form field with this configuration needs to be authorized separately to be viewed. This will also refresh the session for **Periodically require** fields.

Form in View mode (read-only)

In read-only mode, the preliminary access authorization when opening the form is not required. Access authorization to fields with the **Periodically require** option will authorize access to any number of fields with this access authorization method – within the allowed timeframe.

The **Always require** option will require each form field with this configuration to be authorized separately, but it will additionally refresh all fields using the **Periodically require** option, if they are also used on the form.

Configuration

There are certain limitations for form fields with access authorization enabled. Form fields used in Reports, Dashboards, or as distinguishers cannot have access authorization enabled on them.

Because groups and tabs can also have access authorization, placing a field that is being used in one of the restricted areas will not be possible.

Additionally, access authorization cannot be configured on fields that use custom controls (SDK).

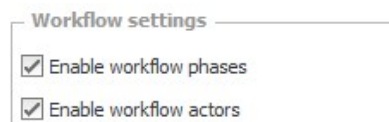
Access authorization does not work on shared instances – the authorization button is grayed out and displays info that authorization is not possible.

5.6. Workflow phases and actors

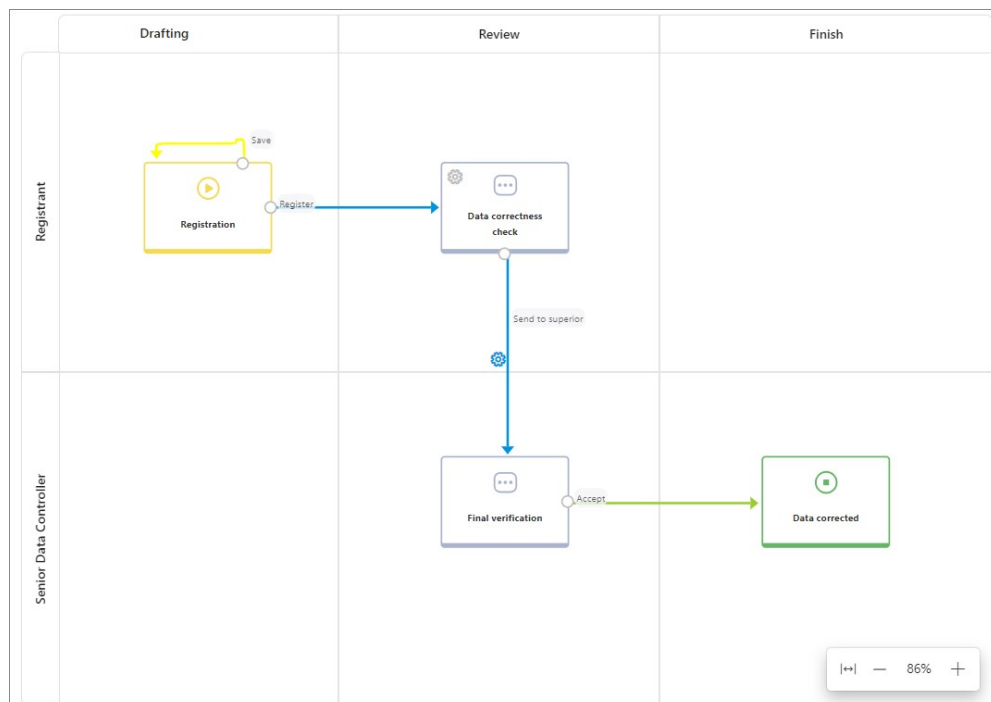
Two new functionalities have been added to WEBCON BPS: **Workflow phases** and **Workflow actors**. The main purpose of these new features is to provide a visual representation of the steps and related tasks, divided according to the stages of execution (phases) and the people responsible for their completion (actors), respectively. Together, these features provide another layer of workflow visualization.

Designer Studio

Functionalities can be enabled in WEBCON BPS Designer Studio by activating the corresponding checkboxes in the **Workflow settings** section of the **General** tab in the workflow configuration window.



Three phases appear in the **Workflow designer**: **Start**, **Execution**, and **Finish**, as well as two actors: **Actor 1** and **Actor 2**. By default, the entire workflow is placed in the Execution phase and/or at the Actor 1 level. Users can drag steps to any phase/actor field, as well as add and remove phases and actors using the menu available by clicking on their names.



Selecting the **Edit** button (pencil icon) in this menu opens the **Properties** window, where it is possible to change the name, description and documentation of the phase/actor and their translations. Directly on the diagram, it is also possible to change the size of individual phase/actor blocks, with a minimum size of 400 px.

Enabling Workflow phases is equivalent to activating the grouping and sorting of steps by defined phases in the **Workflow steps** section (**General** tab). At the same time, new steps can no longer be added here.

Workflow steps

| ID | Icon | Name | Type | Order | ToDo |
|------------------------|------|------------------------|-------------------|-------|------|
| Phase: Drafting | | | | | |
| 1681 | | Registration | Start | 1 | |
| Phase: Review | | | | | |
| 1682 | | Final verification | Intermediate | 2 | |
| 1683 | | Data correctness check | Intermediate | 3 | |
| Phase: Finish | | | | | |
| 1680 | | Data corrected | Finish (positive) | 4 | |

For newly created applications, standard processes and their workflows, the Workflow phases functionality is automatically enabled – the start step is assigned to the Start phase and the end step to the Finish phase.

Information on defined phases and actors is also available in dedicated chapters of the documentation generated for a given process.

Form

Enabling Workflow phases also makes changes to the **Global form template** in Designer Studio, where the **Workflow phases** option appears in the **System areas** section. Its function on the form is to inform the user which of the defined phases the workflow instance is currently in. Clicking on this option in the configuration window brings up the **Properties** node, where users can select one of two area **Display types**: **Axis** or **Blocks**. For newly created workflows, the Workflow phases area is automatically added to the top panel of the form.

The screenshot shows the 'Global form template' configuration window. On the left, the 'System areas' section is expanded, and 'Workflow phases' is highlighted. The 'Properties' window is open, showing the 'Display type' dropdown set to 'Axis'. The main form area shows a task details panel with fields for 'Project alteration start date', 'Project no.', 'Project alteration end date', and 'Client information' (Company name, Tax ID, Street, Post code, Town/City). There are also sections for 'EMAIL CONVERSATIONS', 'ALL ATTACHMENTS', 'ATTACHMENTS', and 'Comments'.

The division of steps into phases is also visible in the **Field matrix**. In addition, enabling the functionality determines the content of its **Standard areas** tab. In this case, the **Steps** row is replaced by the **Phases and steps** row, and steps are displayed by phase in the form's **Info panel**.

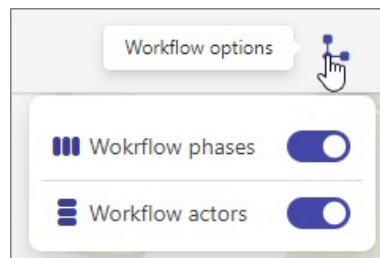
The screenshot displays the WEBCON interface. At the top, a progress bar shows three steps: 1 Drafting, 2 Review, and 3 Finish. Below this, the 'Project alteration start date' is 10/6/2022, and the 'Project no.' is PROJECT/KLT/2022/10/01345. The 'Attachments' section shows a document 'Project details.docx' modified on 10/6/2024 9:27 AM by Sarah Connor, version 1. The 'Task description' field contains the text: 'Please verify the attached document and change it if needed.' The 'Comments' section shows a comment from Tom Green on 10/6/2024 9:27 AM stating 'The document requires no changes.' On the right, the 'Info panel' is visible, with tabs for 'Details' and 'Statistics'. The 'Phases and steps' section is highlighted with a red box, showing a tree structure: 'Drafting' (expanded) with 'Registration' (selected), 'Review' with 'Final verification' and 'Data correctness check', and 'Finish'.

The **Steps** option in the **Area visibility** section (**Forms** tab of the step edit window) is updated in the same way.

Designer Desk and Project designer

Similar changes have been made in WEBCON BPS Designer Desk and in the **Process design** section of Portal.

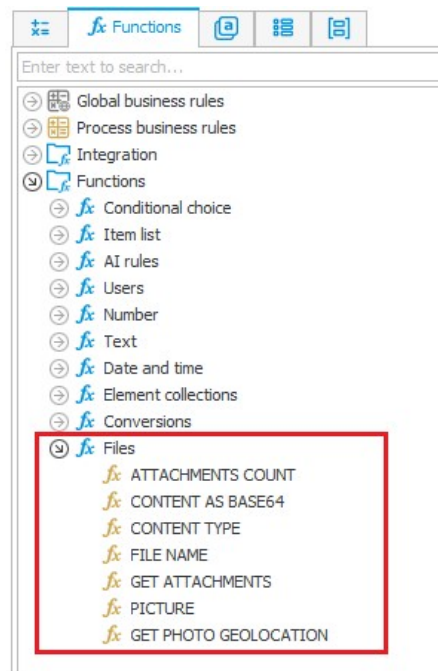
In Designer Desk it is possible to enable and disable the **Workflow phases** and **Workflow actors** functionalities, assign steps to them, edit the number, names and descriptions of phases and actors, present information on Workflow phases in the form and Field matrix as well as include data on phases and actors in the generated prototype documentation.



The **Process design** section in Portal displays the settings of phases and actors entered in Designer Studio, and users can change their metadata (names, descriptions, documentation and translations).

5.7. New Business rule functions

Two new items have been added to the list of functions for **Business rules**: **PICTURE** and **GET PHOTO GEOLOCATION**. The functions are available in the expression editor in the **Files** group (previously known as Attachments).



PICTURE

The function is used to load images (in .png, .jpg, .jpeg format, among others) and save them, for example, as Business rule defaults. The maximum size of a single file is 512 KB and it is saved in Base64 format after loading.

GET PHOTO GEOLOCATION

The function is used to retrieve a geographic location based on the metadata of an image file. The data is retrieved by specifying an attachment ID (or multiple IDs separated by semicolons) or by using the **GET ATTACHMENTS** or **PICTURE** functions. The **GET PHOTO GEOLOCATION** function returns a text value containing latitude and longitude separated by a comma. If there are multiple values, the pairs of values are separated by semicolons. If none of the images contain geographic location metadata, an **EMPTY** value is returned.

5.8. New functions and a new group dedicated to the Item list in Form rules

The form rules have been expanded by including new functions dedicated to the **Item list** form field and a new function group named **Item list styling**.

New functions

Added four new functions that control the visibility of the buttons within the **Item list** group (the **Functions** node in the variables editor selection tree). The functions are:

- **HIDE ITEM LIST ROW BUTTON** – hides a selected action button in the Item list row (**Delete**, **Clone**, or **Edit**),
 - **SHOW ITEM LIST ROW BUTTON** – displays a selected action button in the Item list row (**Delete**, **Clone**, or **Edit**),
 - **HIDE ITEM LIST BUTTON** – hides a selected action button for the whole Item list (**Add**, **Edit all**, **Restore defaults**, **Remove all**, **Export**, or **Import from Excel file**),
 - **SHOW ITEM LIST BUTTON** – displays a selected action button for the whole Item list (**Add**, **Edit all**, **Restore defaults**, **Remove all**, **Export**, or **Import from Excel file**).
- Additionally, the Item list group now includes a new function named **IS NEW ROW** which returns information whether a given row has been already saved in the data base.

New functions in the element dictionary in JavaScript mode

The functions **Item list button** and **Item list row button**, whose operation is analogous to the above-described functions available in the **Form rule** mode, have been added to the **JavaScript functions** node in the variables editor element dictionary. The functions are available in the **Show** and **Hide** groups after expanding the **Item list** form field node, allowing users to select a specific button to show or hide either within the Item list row or in the context of the entire Item list.

New group Item list styling and modified name of the Styling group

Added a new group named Item list styling to the Functions node. As a result, all functions associated with modifying the Item list style have been moved to this group, namely:

- SET CELL FONT COLOR,
- SET CELL BACKGROUND,
- SET CELL FONT DECORATION,
- SET CELL FONT SIZE,
- SET CELL FONT FAMILY,
- SET CELL STYLE.

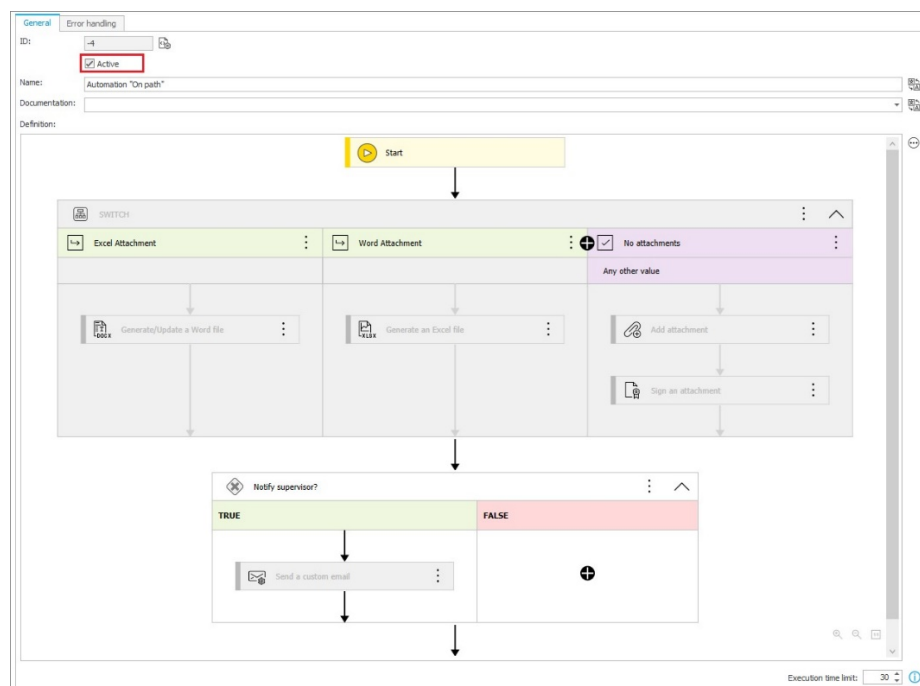
Additionally, the previous name of the group Style has been changed to **Filed styling**. The group includes only functions associated with modifying form field appearance.

5.9. Deactivating automations or parts of them

It is now possible to deactivate an entire automation using the dedicated **Activate** checkbox. The option is available for automations configured from the **Workflow Designer** and the automation can be deactivated by unchecking it.

At the same time, the context menu (**Deactivate** option) now allows users to deactivate not only individual actions, but also entire groups of them configured under operators: **SWITCH**, **For each**, and **Condition**.

Deactivated automations or parts of them are grayed out and do not appear in the instance **History** in Portal after execution.



Users can also preview deactivated automations in the **Workflow designer** accessible from the **Process design** in Portal.

5.10. Overwriting existing attachments with files uploaded through actions

A new checkbox, **Overwrite attachment with the same name**, has been added to the configuration window for the following actions: **Convert Word to PDF**, **Generate an**

Excel file, **Generate/Update a Word file**, and **Generate a PDF file**. The checkbox allows users to specify whether the file uploaded through the action will replace an attachment with the same name in the attachments panel (if selected) or will be added next to the existing attachment with an ordinal number in brackets appended to its name (if unselected).

5.11. The Generate a text file action

The **Attachments** action group now includes a new action called **Generate a text file**.

The action operates in one of the three available modes (the **Working mode** field in the **Template** tab) which enable creating a new file, appending text to an existing file in the attachments panel, or overwriting that file. The created or processed file can include text inserted using context variables entered through the variables editor (in the **Content** tab). In addition, it is possible to select the encoding applied to characters specific to a particular alphabet. The file generated or updated by the action is added as a form attachment.

The execution of the action always results in creating only one version of the instance, regardless of the number of operations modifying the attachment.

5.12. The Merge attachments into a Word/PDF file action

Added a new action, **Merge attachments into a Word/PDF file**, which combines files uploaded as form attachments. As a result, a single file is created in the format specified by the user (DOCX, PDF, or PDF/A), composed of the attachments merged in the defined sequence. The action allows merging files of different formats.

5.13. The Add attachment to another workflow element action

The **Add attachment to another workflow element** action has been added to the **Attachments** group. This action allows users to transfer an attachment from the current instance to a different instance, including those belonging to other workflows or processes. The action configuration requires defining the target instance and specifying at least one attachment to be added to it. In the first scenario, when selecting the target instance, users can choose the **Parent workflow instance** (via the **Selection mode** field), use a variable associated with a form field that stores the instance ID (the **Form field value** option), or create an **SQL query**. On the other hand, selecting an attachment involves specifying the category from which it will be retrieved (the **Category** field), defining whether the attachment will be copied or transferred (the **Source files** field), and indicating the attachment's category in the target instance (the **Output file settings** section).

5.14. The Update privileges for a OneDrive file action

The OneDrive action group now includes a new action called **Update privileges for a OneDrive file**. The action allows adding access privileges to a form attachment in the form of a document shared via the Microsoft OneDrive service. The privileges are assigned to users who have access to the instance containing the attachment. (The ability to edit or view the document in OneDrive depends on the type of privileges the user holds for the respective instance workflow.) The action can be configured to grant

privileges to additional users (using the **Add privileges** mode) or to overwrite the existing privileges with new ones (using the **Overwrite privileges** mode).

5.15. The Send a PUSH notification action

The **Notifications** group in the action selection menu now includes a new action named **Send a PUSH notification**. The action allows users to send a PUSH notification to user's mobile device which has been registered in the system. The delivered notifications may relate to operations executed within the system, such as task assignment within an application, or workflow instance registration or modification.

The notification within the action can be sent to at least one recipient or group; however, it will not be delivered if a user blocked receiving PUSH notifications for the application from which the notification had been sent (**User profile** → **Notifications in the mobile application (PUSH)**). Both the notification header and body can be modified and contain context variables. A notification can be sent to individuals substituting the recipient if the latter is absent (the **Send to substitutes** checkbox).

Together with the new action, a new parameter **Send standard PUSH notification in mobile application** (path configuration window → the **Task creation** tab) has been added. Its selection results in sending a PUSH notification after receiving a task in the BPS system when a user transits a path.

In addition, the previous name of the **E-mail notifications** node has been changed to **Notifications (System settings** → selection tree).

NOTE: to ensure correct operation, please update the mobile application to the latest version available on the Google Play or App Store platforms.

5.16. Actions for managing BPS group owners

Two new actions have been added to automate the management of BPS group owners. The first action, **Add BPS groups owners**, allows users to add or overwrite the owners of a BPS group, while the second action, **Remove BPS groups owners**, enables users to delete existing owners from a group. In both cases, the user to be added or deleted and the target group are specified using the BPS ID (the **User identifiers (BPS ID)** and **Group identifier (BPS ID)** fields in the action configuration window). These actions can also be used within global automations; however, in this scenario, it is not possible to use variables that refer to form fields.

5.17. Extended REST API

The **API beta** has been extended to include additional functionalities for assigning tasks and editing attachments.

Dynamic task assignment

Introduced the ability to dynamically assign tasks via the API beta. An additional parameter, **specifiedUsersTasks**, has been added to the **PublicApiElements** endpoint that can be used to specify users to be assigned a task.

```
},
"specifiedUsersTasks": {
  "directTasks": [
    "string"
  ]
}
}
```

If dynamic task assignment has been configured in Designer Studio on the path through which a workflow instance goes, the settings made via the API will be overridden.

Dynamic assignment of tasks to users is also possible via the new **additionalUsersTasks** parameter in the **HighTrustApiElements** endpoint. In this case, the task will be assigned to additional users while maintaining the dynamic assignment settings entered in Designer Studio.

Ignored checkout when editing an attachment

An **ignoreCheckout** parameter has been added to selected attachment endpoints in **HighTrustApiElements** mode, allowing users to perform operations on the attachment without having to check out the workflow instance.

| | | | | |
|------|--|---|---|---|
| GET | /api/data/beta/hightrust/db/{dbId}/elements/{id}/attachments | Returns a collection of attachments for the selected element. | ▼ | 🔒 |
| POST | /api/data/beta/hightrust/db/{dbId}/elements/{id}/attachments | Adds new attachment to selected element. | ▼ | 🔒 |

5.18. Updates to the Invoke REST Web service action

It is now possible to define the **Invoke REST Web service** action as a global **Cyclical** action. Due to the lack of access to form fields, the value mapping in this case is done using a **Business rule** and reference to automation/operator parameters.

The action has also been updated with the ability to add attachments to workflow instances. In the action configuration window, in the **Response** tab, the **Body type – Binary** parameter has been added. The response to an HTTP request is loaded as a binary file and added to the form as an attachment. It is possible to take the file name from the **Content-Disposition** header (or define a custom name) and specify its category.

Configuration - Invoke REST Web service

Authentication Request data Request body **Response** Error responses

Body type: Binary

File name: From headers

Custom file name: Example: Document_{WFD_Signature}#.pdf

Category: None

Dynamic:

Values

Enter text to search...

Name

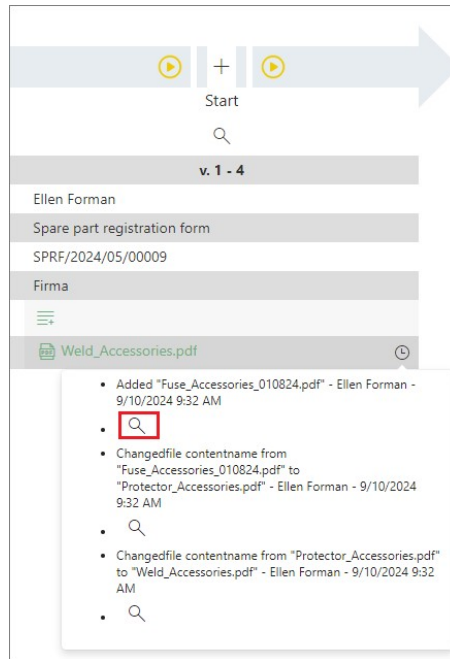
- System fields
- Form fields
- Global constants
- Process constants
- Context variables
- Automation context variables
- Performance indicators

☐ Switch all editors into advanced edit mode

Save Cancel

5.19. Viewing historical versions of attachments

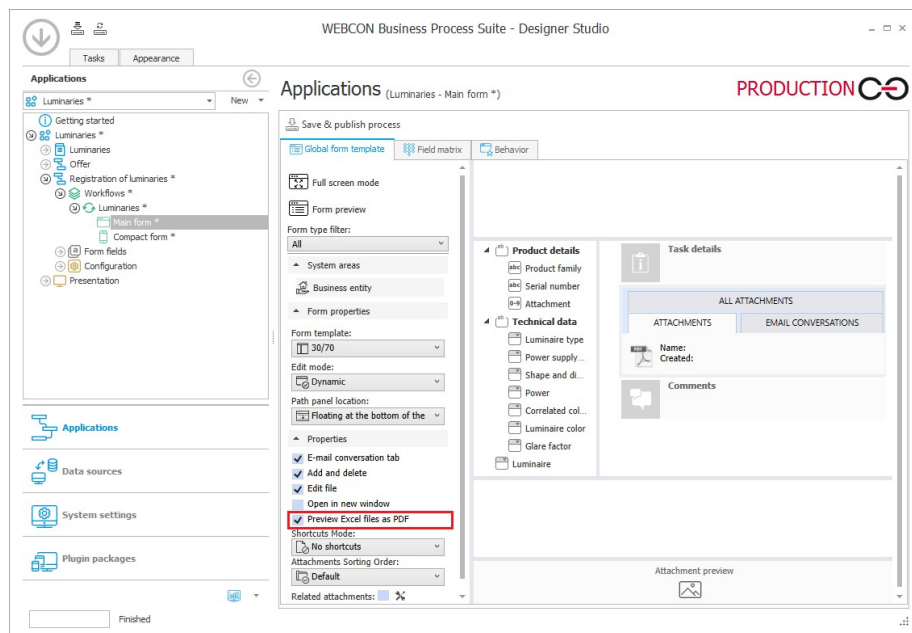
In the instance **History**, it is now possible to view historical versions of files added to the form. If the attachment file was modified in any way in the given step, the user can click the magnifying glass icon to view the different versions and compare the changes made to the current file.



5.20. Preview of Excel files

Added an option to preview Microsoft Excel files that are attached to a form (also in the mobile app), in **History** and **Template** reports.

The option can be configured in the **Main form Properties** in WEBCON BPS Designer Studio.



If checked, spreadsheets can be displayed as .pdf files directly in Portal.

List of candidates.xlsx

| | First Name | Last Name | Gender | Country | Age | Date |
|---|------------|-----------|--------|---------------|-----|------------|
| 1 | Amy | Lee | Female | United States | 32 | 15/10/2017 |
| 2 | Sandra | Nasic | Female | Germany | 25 | 16/08/2016 |
| 3 | James | Hetfield | Male | United States | 36 | 21/05/2015 |
| 4 | Tarja | Turunen | Female | Finland | 25 | 15/10/2017 |
| 5 | Kirk | Hammett | Male | United States | 58 | 16/08/2016 |
| 6 | Matt | Healy | Male | United States | 24 | 21/05/2015 |
| 7 | Lars | Ulrich | Male | Denmark | 56 | 15/10/2017 |
| 8 | Matt | Tuck | Male | United States | 27 | 16/08/2016 |
| 9 | Michael | Paget | Male | United States | 40 | 21/05/2015 |

Download Close

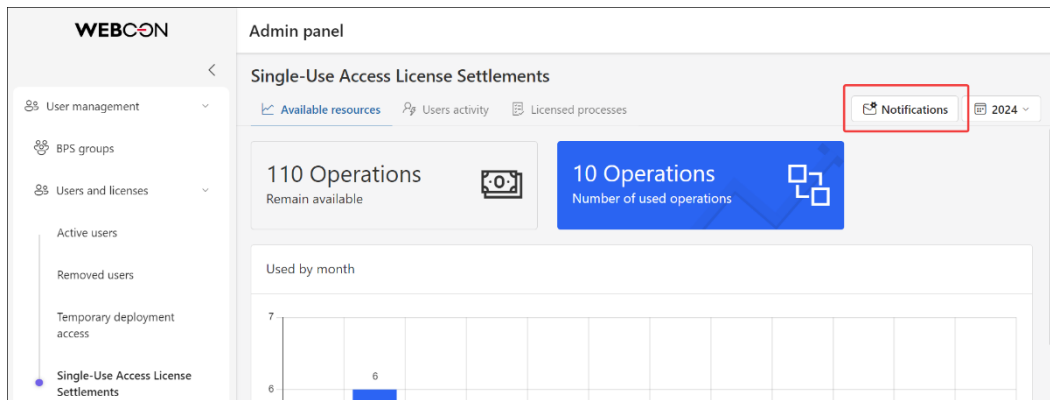
The option is unchecked by default. In this case, clicking the Excel file in Portal will download it to the local disk as before.

5.21. General

- Added support for Security Information and Event Management (SIEM) providers, allowing users to integrate with Google Cloud, AWS CloudWatch, and Microsoft Sentinel through the **OpenTelemetry** tool in WEBCON BPS.

5.22. Portal

- The **Text** widget, embedded within the dashboard, now allows the translation of formatted text. The translated text can then be edited by selecting the desired language from the toolbar's drop-down list.
- Added functionality that allows users to define the name displayed above the **Start** button on the **Dashboard**. To enable this, a **Display name** field has been added to the Start button's configuration panel.
- The Dashboard configuration window now includes a new **Full screen layout** button. Unchecking the button (which is selected by default) will limit the Dashboard's presentation area. This solution allows users to easily enhance the legibility and overall aesthetics of the Dashboard, especially when it includes navigation widgets.
- A **Notifications** button was added to the **Single-Use Access License Settlements** view. This option sets a threshold of remaining licenses beneath which a warning will be sent. Another warning will be sent once all licenses are exhausted completely.



The warnings are sent as **Administrative notifications** – the Licensing range must be added to their configuration.

Notifications

☒ Notify when Single-Use Access Licenses run out.

Notifications about licenses are sent as **Administrative notifications** as part of the **Licensing range**.
To enable, toggle **Licensing** in **System settings** → **Notifications** → **Administrative notifications** → **Range**.

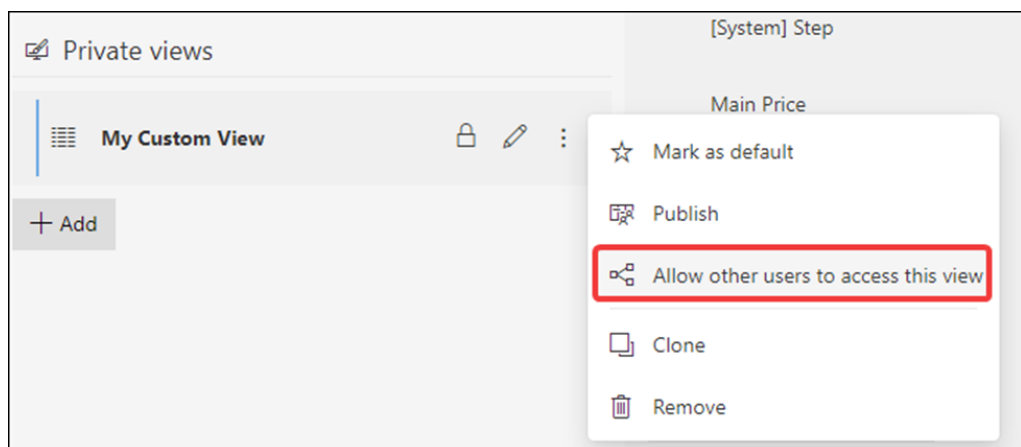
Send warning when the number of available licenses drops below the following threshold:

A notification will also be sent once all licenses are exhausted.

Save

Cancel

- Added the option to share private views with other users. If the option to allow other users to access the view has been enabled, the view can be shared with other users simply by giving them the direct URL as long as they have privileges to see the report.



5.23. Designer Studio

- Added functionality that allows users to choose an application icon which is displayed next to its name in Portal. Once the application is created, users can select their preferred icon from a set of approximately 2,500 icons using the dropdown list in the **Icon** field, located under the **General** tab in the application configuration window.
- Added the possibility to define the welcome and description text displayed on the Portal main page. Users can enter their own text in the **Welcome text** and **Description** fields in the appearance configuration window (**System settings** -> **Appearance**). The entered text can be translated and – in the case of the Description field – formatted.
- In the case of the Entra ID (AAD) service, added the possibility of synchronizing Member-type users whose UPN identifier includes the phrase "#EXT#". In such cases, the user's main e-mail address is utilized as the BPS ID. Additionally, for all synchronization types, the system now skips users whose BPS ID contains the "#" character.

5.24. Rules

- Added the **IS BUSINESS DAY** function to **Business rules** that will return True if the specified date is a working day. This function works based on the **Working days calendar** defined in the **Global parameters**.

The screenshot shows a rule configuration window with the following structure:

- IF** [**IS BUSINESS DAY** [Registration Date ISO (Date)]] **THEN** [**PATH** Initial Review -> Save]
- ELSE** [**PATH** Initial Review -> Request Input]

A plus sign icon is visible to the right of the THEN clause, indicating the ability to add more conditions or actions.

Additionally, existing **ADD DATE** and **DATE DIFF** functions now have the ability to operate on working days via the **BUSINESS DAY** parameter. This allows for working days to be added to the specified date, or for calculating how many working days there are between two dates.

The screenshot shows the configuration for the **DATE DIFF** function:

- DATE DIFF** [**BUSINESS DAY**] [Registration Date ISO (Date)] [Receipt Date ISO (Date)]

The **ADD DATE** and **DATE DIFF** are available in both Business and Form rules.

- The **DATE PART** function can now return the day of the week via the **WEEKDAY** parameter. The value is returned as text in English.

IF [DATE PART WEEKDAY [Registration Date ISO (Date)] = [WEDNESDAY] THEN [TRUE]

ELSE [FALSE]

To allow comparisons, the **Date and time** group will now have functions that represent the days of the week in English.

fx Date and time

- fx NOW
- fx TODAY
- fx DATE DIFF
- fx ADD DATE
- fx DATE PART
- fx MONDAY
- fx TUESDAY
- fx WEDNESDAY
- fx THURSDAY
- fx FRIDAY
- fx SATURDAY
- fx SUNDAY
- fx IS BUSINESS DAY

- Added **ALL TRUE** and **ANY TRUE** logic operators to the rule editor. These operators aim to replace multi-layered conditions built from many **AND** or **OR** operators nested in each other.

ALL TRUE

CURRENT USER IS ONE OF [Access Control Assistance Operators;]

[Current date ISO (Date)] < [TODAY]

[ATTACHMENTS COUNT] > [0]

ALL TRUE returns TRUE when all conditions are met – used to replace layered **AND** operators.

ANY TRUE returns TRUE if any condition is met – used to replace layered **OR** operators.

The **ALL TRUE** and **ANY TRUE** operators can be freely switched between one another from the context menu. An **AND** operator can be changed into **ALL TRUE**, while an **OR** operator can be changed into **ANY TRUE**.

- The variables library available in the rules editor now includes a new context variable, **{PORTALADDRESS}** (in JavaScript mode, it is accessible under the

name **GetPortalAddress**). The variable returns the currently set full Portal address, ending with a slash character (/).

- The Business rules editor now has two additional context variables: **Do I have permission to edit?** and **Is this a new instance?** These variables can be used to build conditions (e.g. visibility) based on the relevant information: does the user have privileges to edit the form or is the form a part of a new, unsaved workflow instance.
- Added the **SET FORM SUBTITLE** function to the **Behavior** node (in the **Functions** tab) of the form rules. This new function allows users to set the subheading in the form banner.

5.25. Actions

- In the **Add attachment** action configuration, a button was added next to the category selection used to refresh and load categories defined in the **Attachment details** node of a process.
- Full information logging has been introduced for each request sent by WEBCON BPS to OneDrive. The solution will streamline diagnostic operations in case of an error in the execution of related actions.

5.26. Service

- Implemented a mechanism to cancel long-running path transitions executed by the service. Currently, if the time limit specified in the **Service operations timeout in seconds** field (found in the **Configuration** tab of the service settings window) is exceeded, the path transition executed by the service is canceled. This operation also results in the cancellation of any actions that have been executed on the path or were scheduled to be executed.

5.27. API & SDK

- The SDK has been expanded to include a mechanism that enables loading from a plugin package independent files for service and Portal. This mechanism relies on two folders, **ServiceDependencies** and **PortalDependencies** where the respective files for Service and Portal are stored. These folders can be added to a plugin package, ensuring that the files they contain are loaded only in the specific environment (Service or Portal).

6. Bug fixes

6.1. General

- Changed the execution condition for the script that alters report configuration during the platform update to the 2021 version. Previously, the script was executed unnecessarily when updating the content database from version 2021.1.4.9 or higher to the 2022 version. The script execution error resulted in changing the predefined filter of the date saved in the report view.
- Improved the SQL query that triggered a timeout during the execution of migration scripts while updating the WEBCON BPS platform.
- Corrected the error message displayed when an incorrect SharePoint directory was provided. Additionally, fixed a bug related to the versions of the Microsoft.SharePoint.Client.dll file which occurred when attempting to connect to SharePoint on an environment where the SharePoint service was not installed.
- Fixed an issue with logging into Portal when a prefix was defined in the address (running address). The problem was caused by the forward slash being placed incorrectly, therefore the address was not built correctly.
- Fixed an issue with the installer that occurred when updating from version 2023 to 2024. Increased the size limit for Rules when saving, and removed the time limit for queries in this migration script. Error logging has also been improved.
- Fixed an issue with the **/health** endpoint. Added the ability to define a timeout for SQL server connection in the healthCheck mechanism (5 seconds by default).
- Fixed an issue with the tool used to validate FineReader 12 installation.
- Improved the creation of rule previews that appear in the documentation generated for processes. Instead of correct variables, the rule diagrams contained only the identifier of the given value/object.

6.2. Portal

- Fixed a bug that caused a new browser tab to open with the Portal home page displayed when the middle mouse button (scroll) was clicked on an application name in the **Frequently used applications** section. After the change, the new tab correctly displays the page of the selected application.
- Fixed an error that occurred when rapidly editing and saving the text widget on **Dashboards**.
- Improved filtering of column values for a report based on a **SearchIndex source** when the source contained similar values that differed only in case size.

- Fixed a bug that prevented going through a path when a user with an assigned task was to receive an associated PUSH notification.
- Fixed a bug that prevented a report from being displayed and its configuration from being changed if incorrect grouping settings were entered in the **Private view** of that report.
- Fixed a bug that prevented the correct loading of **Archive** data in **Searching structures** after disabling the previously set sorting.
- Increased the efficiency of reports by optimizing indexes related to user tasks. In the **ActiveTasks** table, Instead of IX_ActiveTasks_User index, the following one will be created:
IX_ActiveTasks_User_IsDeleted_IsFinished_TSK_WFHID_Incl_WFDID_STPID_AssignTypeID_ElementWasDisplayed_Flag_Overdue.
- Fixed an error in the **Search everywhere...** box when pressing the up arrow key.
- Restored the ability to take over tasks from people who are not direct reports of the user (e.g. subordinates of subordinates).
- Fixed a bug that caused the removal of additional filters in the configuration of **Report Tile**. The bug occurred after saving an unmodified dataset configuration.
- Fixed a bug that occurred when the time of adding an attachment file was too long due to its large size. The bug caused a timeout at the end of the file upload, which was divided into chunks.
- Fixed a bug in the **Vacation schedule** where expanding the node of an individual at the 5th level of the company hierarchy also expanded the nodes of all individuals at higher levels if their nodes had been previously collapsed.
- Corrected the alignment of numerical values to the right side of the column in a tabular report. The bug occurred when the user selected a checkbox in the **Action menu** within the **Views** tab of the report configuration for the column containing numerical values.
- Improved filtering of **Report** items (configured based on **Searchindex source**) using the predefined filter **All where I participated or created by me**.
- Fixed an error that occurred when opening the instance **History** in a language that uses the minus sign (U+2212) as a prefix for negative numbers instead of the regular hyphen-minus (U+002D). This applies to languages such as Swedish, Finnish, Croatian, Norwegian, and Lithuanian.
- Improved the efficiency of the Analytics module. Increased the speed of generating element aggregates.

- Fixed a bug that occurred when the URL address of any Portal page included the phrase "DB" in capital letters. Now, such pages will open correctly regardless of the letter case of this phrase.
- Fixed a bug that prevented the correct display of the **Absence chart** when its data applied to more than one person, such as when the default filter **Me and my subordinates** was selected.
- Improved logging of the execution of system operations in the **AdminWEEventLogs** table.
- Fixed a bug that prevented an instance from being found in a report with **SearchIndex** source. The issue occurred when the instance was accessible to a group with an "&" character in its name.
- The message: "Workflow instance does not exist" will be displayed when trying to manually change the URL of a Designer Desk instance to that of a Portal instance in the address bar.
- Fixed a bug that occurred when searching for phrases using **Search in navigation** and narrowing search results using the available filters.
- Fixed a bug due to which the **Horizontal bar** report contained the values "0" and "1" instead of the defined label names.
- Optimized searching in **CacheOrganizationStructure** for users whose data is no longer available in the system, but to whom tasks have been assigned. In this case, once the form is accessed, such users will be searched by **BpsId**.
- Fixed a bug that caused a message informing on the possibility to force a workflow instance check out to be displayed every 10 seconds. After the change, this message is displayed 10 minutes after another user checks out the workflow instance.
- Fixed a bug that prevented finding an instance in the **All my tasks...** search box within the **My tasks** panel. The bug occurred only if the search was performed within the context of all applications, i.e., if the My tasks panel was opened from the Portal main page.
- Improved the width scaling of the attachment preview section, so that attached e-mail previews correctly show larger images placed in the e-mail content.
- Added handling for incorrectly configured SQL Filters in **Reports**. Until now, an incorrectly configured filter could cause errors and a "kill state" in the Report. The fix adds a mechanism to prevent a "kill state" when the filter is configured incorrectly.
- Fixed a bug that prevented a Portal page from refreshing in Firefox. The bug occurred when the page was inactive, meaning the user was operating within a different application at the time.

- **OpenTelemetry** packages have been updated to the latest versions so that metrics are now exported in the correct format.
- Fixed a bug that occurred for reports with the **SearchIndex (SOLR)** source set when searching for report items from a defined range and one of the range values was not specified.
- Improved logging of report information in the .json file from the executed **Diagnostic session** by including SQL parameters.
- Fixed a bug that caused discrepancies between the values shown in the **Absence chart** form field within an instance and the corresponding report in the Portal. Due to the bug, absences occurring at the turn of the month were not visible in the form field.
- Improved filtering of **Report** items by **Person or group** form field. When a person is selected from the list in the filter configuration, sorting will be automatically enabled. Person list will be displayed and sorted correctly also when multiple users are selected/unselected.

6.3. Form

- Fixed a bug that occurred when attempting to display a report whose **Attachments** column included file names containing the semicolon character.
- Restored the ability to use HTML elements in calculated columns of **Item lists**.
- Added a "No matches found" message when no values are returned for a **Choice field** configured based on a **REST Web Service** data source.
- Fixed a bug that caused the action button text to be copied along with the instance number text when the latter was copied using the Google Chrome browser.
- Corrected the behavior of the **Item list** when changing the default value in one of its cells, which caused the entire list to be updated instead of the specified dependent fields.
- Fixed an Invalid checksum exception, which occurred after changing the value of a **Choice (picker)** or **Autocomplete** column on an **Item list** with multiple values enabled. The error occurred in a cloned row when the original row already had selected values.
- Fixed a bug that prevented drag-and-drop addition of folders containing files (and subfolders) as form attachments.
- Fixed a bug where using a **Form rule** with **DELETE ALL ROWS** function would unintentionally focus on the "Add" button of the **Item list**.

- Fixed a bug due to which the data in the **Data table** form field did not change dynamically based on the respective rule after selecting value in a different form field.
- Fixed a bug causing incorrect behavior of paths returning to the previous step. Due to the bug, the path with the value **Back to the previous step** selected in the **Destination step** field transferred users to the start step.
- The Edge browser suggested previously entered values. This has been disabled – browsers should not suggest values in form fields.
- Added a warning when attempting to save a process with a configured **Google Map** form field if the **Google API key** is not specified in the **Global parameters**.

6.4. Designer Studio

- Fixed an application import error when the operation required transferring privileges between environments.
- Fixed a bug that prevented erroneous emails from being removed from the queue in the **Email sending report** in WEBCON BPS Designer Studio.
- Fixed a bug that resulted in an unintended alteration to an SQL query after it was saved in the **Expression editor**. The error occurred if the tag used in the query contained a newline character in its display name.
- Fixed a bug that prevented the generation of documentation for the process configured with a form field that retrieves data from the **Users and groups source** with value filtering set.
- The **FILE NAME** function in **Business rules** has been improved to return the current name of the attachment rather than its original name. Similarly, the **Convert Word to PDF** action and actions from the **OneDrive** group will use the current name of an attachment rather than its original name.
- Fixed an issue that occurred during application import. Added safeguards against empty values when saving the import history.
- Corrected the message that appears when attempting to save changes in the **Diagnostic logging mode** to include the information that WEBCON BPS Portal needs to be restarted.
- Fixed a bug that prevented correct connection between domains when user credentials were entered manually in the **Active Directory synchronization configuration**.
- Fixed an issue related to user synchronization. Incremental synchronization was launched only for one content database – this could result in missing privileges even though the synchronization was successful.

- Fixed a bug that prevented attachments contained in a .zip file from being imported into the attachments report.
- Corrected the content of the warning in German and English displayed when attempting to delete a path containing automation.
- Fixed an error that occurred after entering incorrect data in the **Active Directory Actions Configuration** node. The error will be shown when attempting to save incorrect data. It will not be shown when closing the configuration window.
- Fixed a bug that prevented the transfer of filter values between environments using the export/import mechanism. The bug was caused by the incorrect saving of filter configurations, where tags were omitted.
- Fixed a bug that resulted in the incorrect transfer of the **Multiple lines of text** field value by the **Start a subworkflow** and **Change value of single field** actions. The bug occurred when the form field configuration had both compatibility mode and **Append mode** enabled.
- Fixed a bug where no asterisk character was displayed next to the **Main form** item in the selection tree after a modification was made in the **Field matrix**. The bug occurred when a step column was dragged to the right and the moved step had been preceded by at least two **Workflow control steps**.
- Fixed a bug that occurred during the import of an application. The bug appeared when the checkboxes **Business entity named [...] already exists on the target environment. Do you want to overwrite its privilege settings?** and **Do you want to overwrite security settings?** were selected.
- Fixed a bug that allowed saving a synchronization configuration with Entra ID (Azure Active Directory) without defining the **Client secret** parameter or after changing the other parameters (**Tenant ID** and **Client ID**) to incorrect values.
- Fixed a bug that occurred when importing an application from the **DEV** environment to the **TEST** environment. The bug appeared if the translation of the form field name contained only a space character.
- Improved retrieving the list of attachment categories in the configuration of actions performed on attachments when using **Dictionary process** as a data source.
- Fixed a bug that prevented displaying the location where an MSSQL connection is used if such a connection had been configured in the **Validate form** action.
- Improved saving of translations of newly created **Message templates**.
- Fixed a bug that displayed a blank message when importing elements from an Excel sheet took too long. Now, an error message is shown when the allowed import time is exceeded.

- Improved the display of the **ToDo List** window. After the change, the window is always displayed in the upper left corner of the screen where the cursor is currently positioned.

6.5. Actions

- Fixed a bug due to which, as a result of the **Add a text layer** action, the number of consumed pages available for text recognition under the FineReader 11 license was larger than the actual one.
- Corrected the layout of the text in the footer of a document created by the **Generate/Update a Word file** action. An issue occurred after going to the print preview of a document whose contents were defined by a **Business rule**.
- Improved the performance of the **Add a text layer** action by modifying the default parameters for creating a text layer engine and aligning them with ABBYY documentation.
- Fixed a bug causing deletion of **Item list** rows that were hidden on the form in **Acceptance** mode.
- Fixed a bug that caused incorrect retrieval of connection parameters when editing/viewing a file that was checked out in OneDrive through the **Start editing a file using OneDrive** action.
- Modified the behavior of the rule that processes the received value in the **Invoke REST Web Service** action. When the input value was empty and the **Date** type was selected for the rule, inserting the value into the date form field resulted in an error. The value of the field will now clear in such a case. Similarly, the behavior of the rule for the **Floating-point number** type has been changed. Instead of setting the value to "0," the value of the form field will clear.
- Fixed a bug that prevented the insertion of values recognized through the **OCR AI recognition** action into the **E-mail** form field, as well as global form fields like **Single line of text**, **Choice field**, and **Date and time**.
- Fixed a bug that caused the execution of a global automation, which set an output parameter, to obstruct the setting or transfer of subsequent variables or parameters in a process automation where that global automation was used.
- Fixed a bug that occurred during the configuration of the **Generate an Excel file** action. The issue arose when the GUID identifier of the document template started with the "def" prefix and the template was dynamically calculated.
- Fixed a bug that occurred after cloning a workflow that contained an automation with the **For each** operator. The bug appeared when attempting to open the configuration window of the cloned automation.
- Fixed a bug that occurred when attempting to delete a non-existing meeting through the **Exchange events** action. Currently, when trying to delete such a

meeting through the action embedded **On entry** or **On path**, the message "Meeting does not exist" is displayed in the instance **History**.

- Fixed a bug where the **Generate/Update Word file** action incorrectly referenced the SQL query, even when the **SQL query** option was not selected in the action configuration.
- Fixed a bug that prevented the **OCR AI recognition** action from executing correctly if a form field (e.g. **Choice field**) whose values were retrieved from the **REST Web Service** data source was among the mapped fields.
- Fixed a bug where, after archiving an instance using the **Archive workflow instances** action, the instance still appeared in the **Recent activities** section of Portal. The bug was caused by incorrect queuing of operations in the archiving process.
- Improved creation of a content database and Unicode attachments from the Installer to streamline the **OCR AI recognition** action. Consequently, the recognition of logos on invoices will no longer generate errors.
- Fixed incorrect behavior of the **Invoke REST Web service** action. Previously, when this action modified values in the **Choice field**, **Choice field (picker)**, and **Autocomplete** columns, the changes were saved unvalidated in the content database. Now, these values are saved in the validated form whenever possible.
- Fixed an issue with setting values in **Choice fields** in **Dropdown** mode and **Choice trees** via the **Change value of single field action**. The action would not work if the form field was in read-only mode.
The values of these form fields will be loaded regardless of their editability, as long as the form is in edit mode.
- The **Generate/Update a Word file** action has been enhanced so that the text generated based on the form fields and rules in the template contains only characters that will not cause changes to the text layout and will display correctly in the header, footer, and main area of the document print preview.
- Fixed a bug where the HTML template displayed a value different from the one provided in the form. This issue occurred in templates generated by the **Generate an HTML printout** action in Polish and affected the summation of numerical values.
- Fixed a bug that resulted in doubling the execution of the SQL procedure in the course of the **Change value of single field** action. The implemented fix prevents queries utilizing SQL connections from sending excessive query to database.

6.6. Rules

- Improved the handling of queries in the **SQL COMMAND** rule. An error occurred when loading columns.

- Fixed a bug that prevented the creation of a universal **Form rule** in **JavaScript mode**.
- Fixed a bug where adding, removing, or cloning an **Item list** row did not refresh the configured rules for managing form field requiredness.
- Fixed a bug where a business rule defined within the **Validate form** action only operated correctly on the second attempt to transition a path.
- Fixed a bug that prevented the correct execution of the **Send custom email** action if a **Business rule** with a configured **Parameter** was used in the message body.
- Fixed the incorrect sending of parameter values used in asynchronous **Form rules** to **Business rules**. Previously, sending a date through a parameter resulted in an error when attempting to use that parameter in operations requiring a date. Additionally, fixed the conversion of data types in asynchronous form rules containing the functions **SET** and **SUBSTRING** so that the received data types can be used correctly in Business rules.
- Fixed a bug that prevented utilization of values returned by the **MIN** and **MAX** functions in comparison rules. As a result, in the case of dates, the values returned by the aforementioned functions were of string type, which prevented their comparison with the values retrieved directly from form fields. Now, the MIN and MAX functions return values of specific type.

6.7. Data sources

- Improved the warning message content that appears when loading a WSDL in the configuration of a **SOAP Web Service** data source. The warning should never be empty.
- Fixed an issue with the mechanism for changing any SQL connection to SQL ADServicePrincipal through the public API. Due to this bug, the system used incorrect credentials (**User** and **Password** instead of **Client Id** and **Client Secret**) when changing the connection.
- Fixed a bug that caused the **Report Tile** filter value to load incorrectly. The bug occurred when the tile's data source contained calculated columns with IDs that were not in sequential order (e.g. 1, 3, 4).
- Fixed a bug that occurred when attempting to save the default **Users and groups** data source. The bug appeared when a user profile with read-only privileges to the data base was used in a given environment.
- Fixed a bug that prevented connection to the Oracle database after updating to the 2024 system version. The fix involved removing the **Windows integrated authentication** checkbox from the Oracle database connection configuration window.

- Fixed a bug that prevented the creation of a data source based on a **REST Web Service** connection, where the defined authentication type was **Salesforce**.

6.8. Add-In

- Fixed a bug that caused the **Word Modern** add-in to hang. The bug occurred when the user first entered a correct ID and then an incorrect instance number. When attempting to search for an instance using the correct ID afterward, the add-in would hang.

6.9. Mobile app

- Fixed a bug that caused the configuration fields for the **Chart** view report to be displayed outside the designated user interface area.
- Fixed a bug that caused the default values of form fields configured from the start button to be cleared on a form in the mobile application. The error occurred when the workflow was started by scanning the QR code of this start button.
- A few issues with PUSH notifications were fixed in the mobile app and certain small visual problems were resolved. PUSH notifications will work correctly for long path names and will correctly redirect to instances. An overlapping input has been fixed in the PIN configuration window and the way new connections are added has been improved – the app will no longer redirect to a login window if the user is already logged in.

6.10. Service

- Improved performance of the database cleanup module for environments where full user synchronization has never been performed.
- Added "User-Agent" to the headers of queries used by the service to download currency exchange rates from NBP (National Bank of Poland). Queries without this header could result in a 403 error.
- Improved handling of the attachment indexing queue in SOLR. Items will now be removed from the queue if they are no longer available at the time of processing.
- WEBCON BPS Workflow Service operation logs will now contain information on how long the service tried to start and how long it ran until it stopped.
- Fixed a bug that caused the execution of tasks assigned to the service modules to stop. The issue was due to missing information on the activity of the service thread for the "Heartbeat" mechanism in the service log table within the database.
- Fixed a bug that occurred during the execution of a query containing the Get_With_Body request in the course of a cyclical action.
- The configuration of the WEBCON Workflow Service has been corrected, as a result of which errors could occur when running SDK plugins, including "Could not

load file or assembly 'System.Collections, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a' or one of its dependencies. The system cannot find the file specified."

- The checkbox **Interrupt synchronization on any Active Directory error** has been added to the configuration for synchronization with the Active Directory service. This checkbox cancels the entire synchronization if an error related to the connection or data retrieval from AD occurs in any Organizational Unit. As a result, when an error occurs and synchronization is halted, all changes made during the process are reversed, and the cache tables are restored to their state prior to the synchronization.
- Fixed an incorrect metrics configuration for the Prometheus exporter in the service. The issue stemmed from a missing dedicated Uri field, which hindered the operation of the metrics endpoint.
- Fixed a bug that caused the license service thread to stop because the service took too long to go through the path or process the attachment during SOLR indexing.
Additionally, in the event that the duration of a path transition performed by WEBCON BPS Workflow Service exceeds the expected timeframe (for example, in the case of **Timer actions** or **Cyclical actions**), a warning log will be generated with details about the long path transition.
- Fixed a bug where the service did not activate the **OCR AI** role after service hours. In order to do this, the fix streamlines the activation of modules that register a missing connection to the service with the **License service** role after service hours.
- Reduced memory consumption of WEBCON BPS Workflow Service when synchronizing users with Active Directory.
- Improved retrieval of plain text email content based on the **%BodyContent%** variable in the **HotMailBox** configuration.

6.11. Designer Desk

- Fixed a bug where the line symbolizing a path did not align with the cursor direction while dragging. This issue occurred when the workflow scheme field had previously been moved to its outermost position.

6.12. API & SDK

- Fixed an issue in the SDK that prevented the configuration from being updated if the group contained a grid.
- Fixed the issue with updating SDK packages containing files for Portal and service environments. Now, files that do not exist in a package are correctly removed, regardless of the environment.

- An unsupported **parentID** property has been removed from the PATCH API endpoint model **/api/data/{ver}/db/{dbld}/elements/{id}**.
- Fixed a bug that occurred when changing the SQL connection type, where properties not required by the target connection type were being validated.
- Implemented a change in the API module in version 6.0 and BETA. The change involves replacing the word "application" with "applications" in the routing of the following endpoints:
 /api/data/{version}/db/{dbld}/applications/{idguid}/admin/privileges
 /api/data/{version}/db/{dbld}/applications/{idguid}/admin/privileges/add
 /api/data/{version}/db/{dbld}/applications/{idguid}/admin/privileges/remove
- Fixed an SDK library bug that occurred when using **ConfigEditableGrid** and **ConfigEditableItemList** form fields in a group if the configuration window was not displayed in WEBCON BPS Designer Studio.
- Fixed a bug that occurred when attempting to retrieve data through the OData protocol. The issue arose when the process included configured performance indicators.