

# WEBCON **BPS 2025 R2**

history of changes for version 2025.2.1.35

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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 0.76.6due 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.

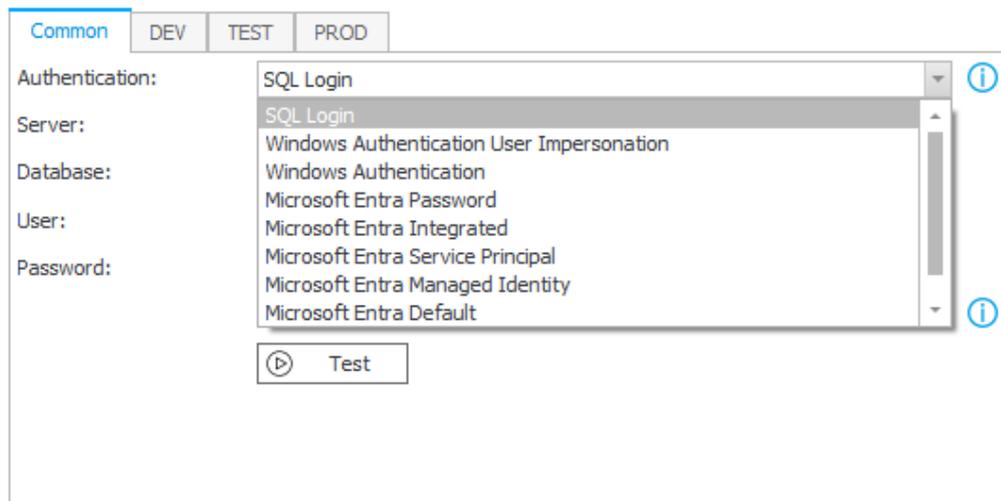
### 3.2. General

- 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.

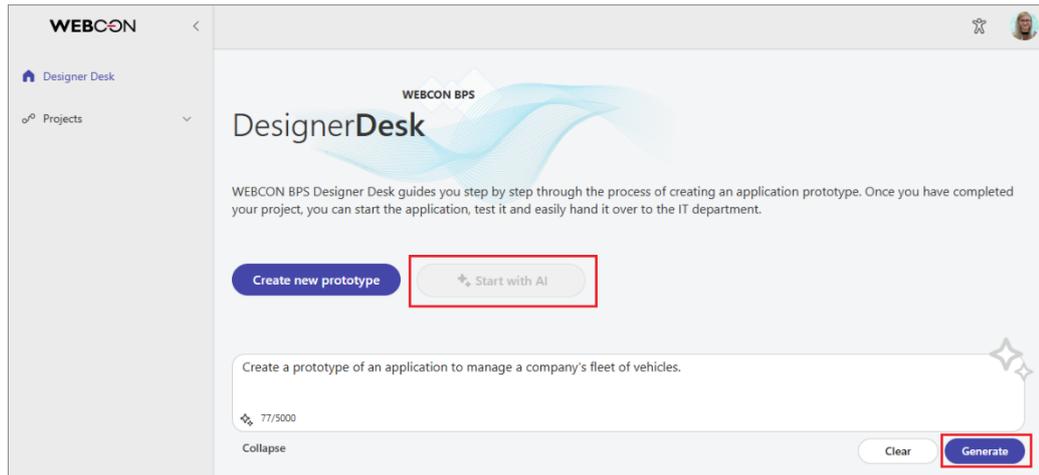
### 5.2. AI Process builder in Designer Desk

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

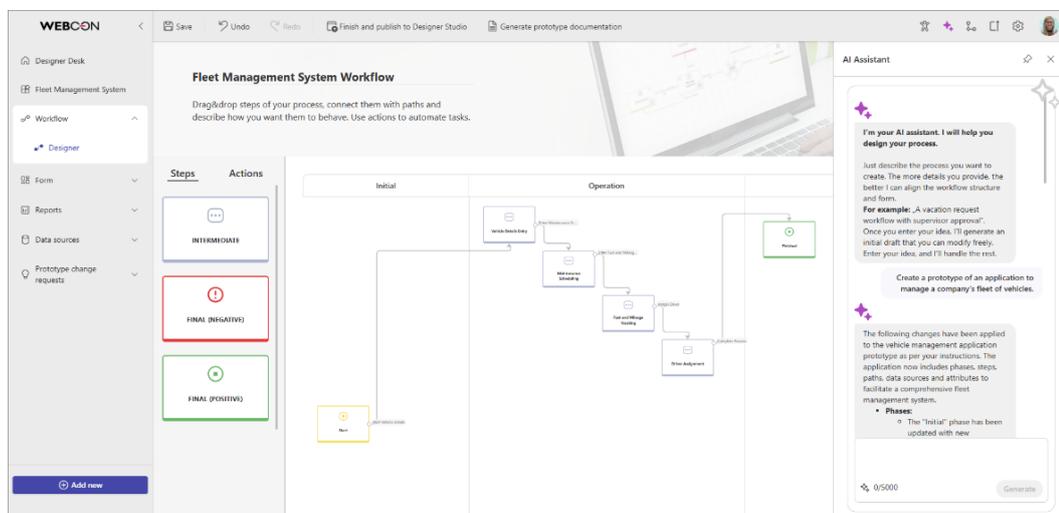
WEBCON BPS Designer Desk has undergone significant visual and functional changes. A new **Start with AI** button has been added to the home page. After pressing the button, a text box appears where the user can interact with the AI assistant by entering information about the application prototype they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 (Once pressed, the button is no longer active.)



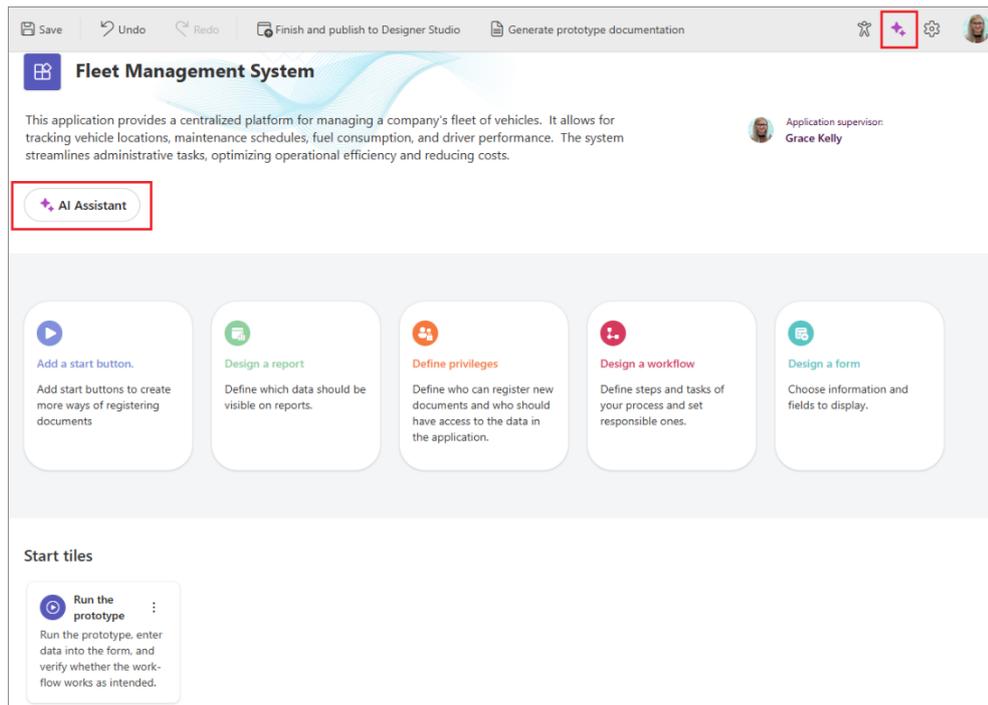
After clicking **Generate**, AI creates a prototype of the given business application, designing a process, workflow, form, etc. for it.

### 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.

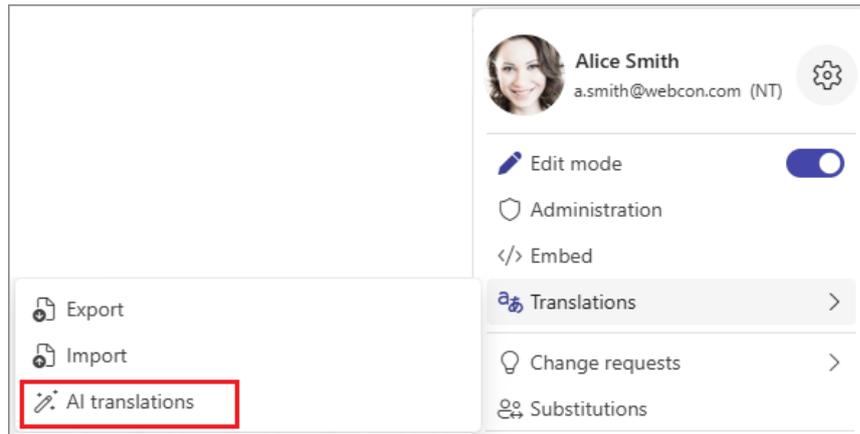
### 5.3. AI translations

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.

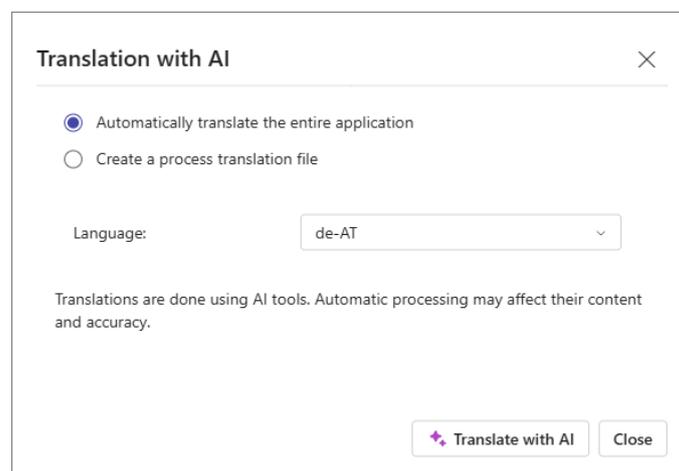
#### Translations of applications and processes

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:

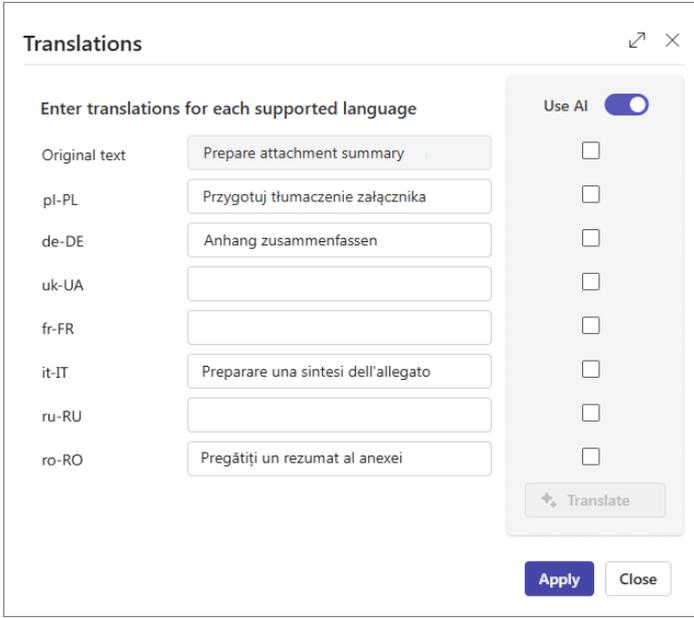
- **Automatically translate the entire application** – the configuration elements of the application are automatically translated into the selected language (the list of available languages is determined by the **Translation languages** defined in the **System settings** in WEBCON BPS Designer Studio).
- **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.



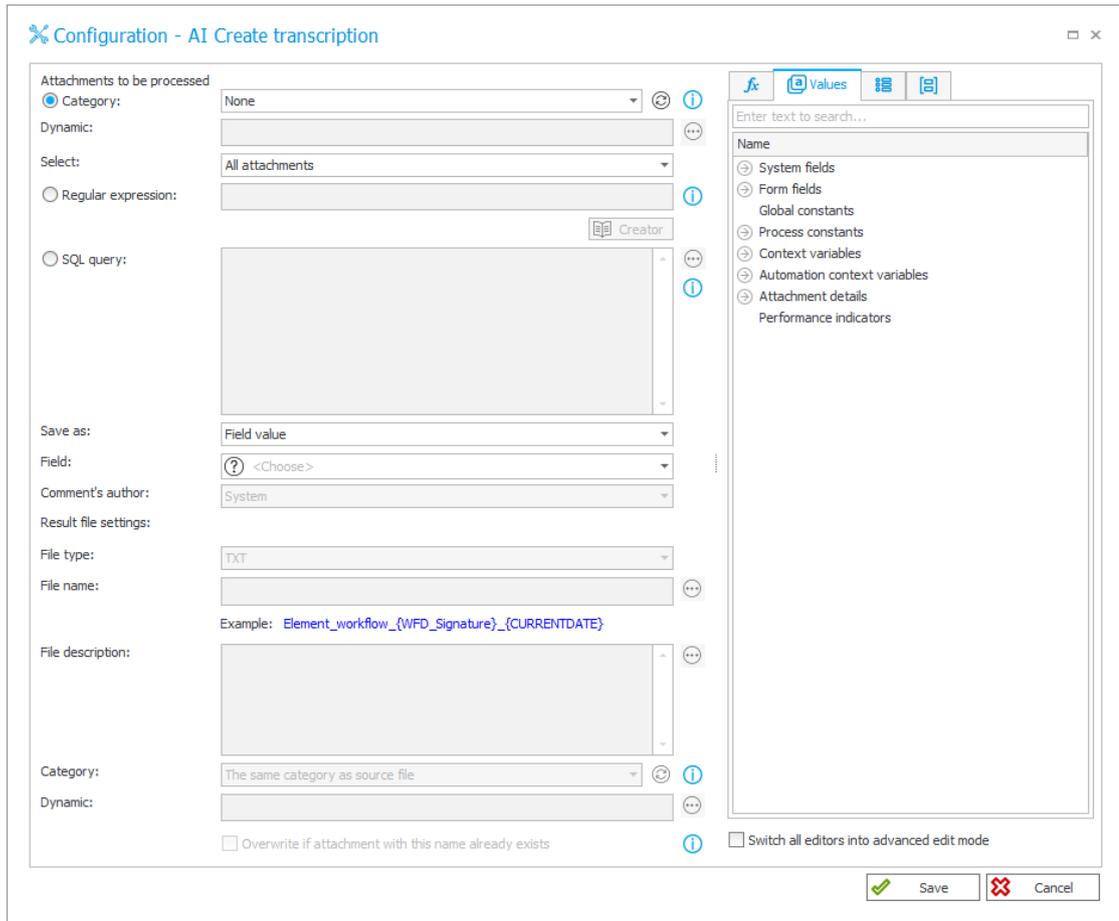
Enter translations for each supported language		Use AI <input checked="" type="checkbox"/>
Original text	Prepare attachment summary	<input type="checkbox"/>
pl-PL	Przygotuj tłumaczenie załącznika	<input type="checkbox"/>
de-DE	Anhang zusammenfassen	<input type="checkbox"/>
uk-UA		<input type="checkbox"/>
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"/>

### 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).

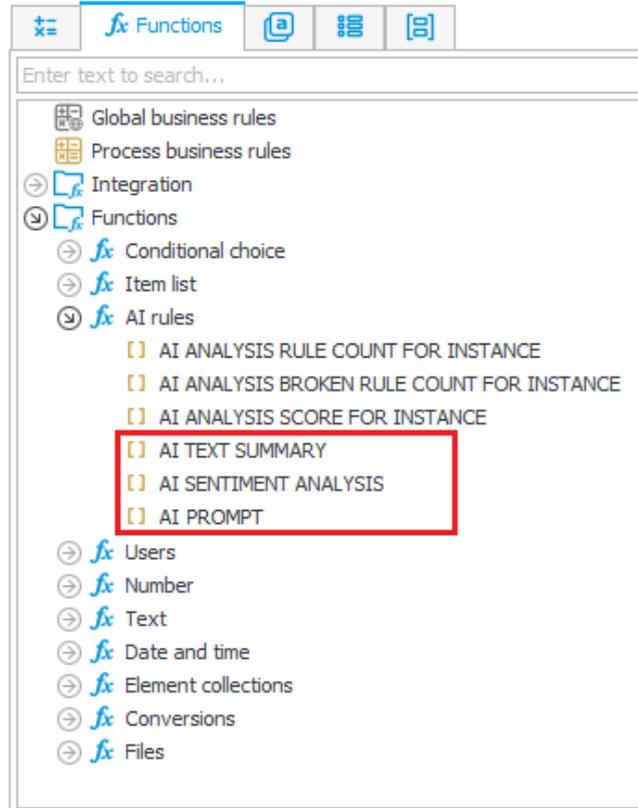
**Note:** the action requires an additional dedicated license. For more information, see the "Rules for using AI functionalities" section.



### 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.



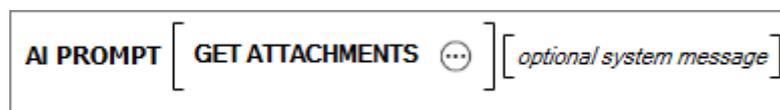
### AI SENTIMENT ANALYSIS

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

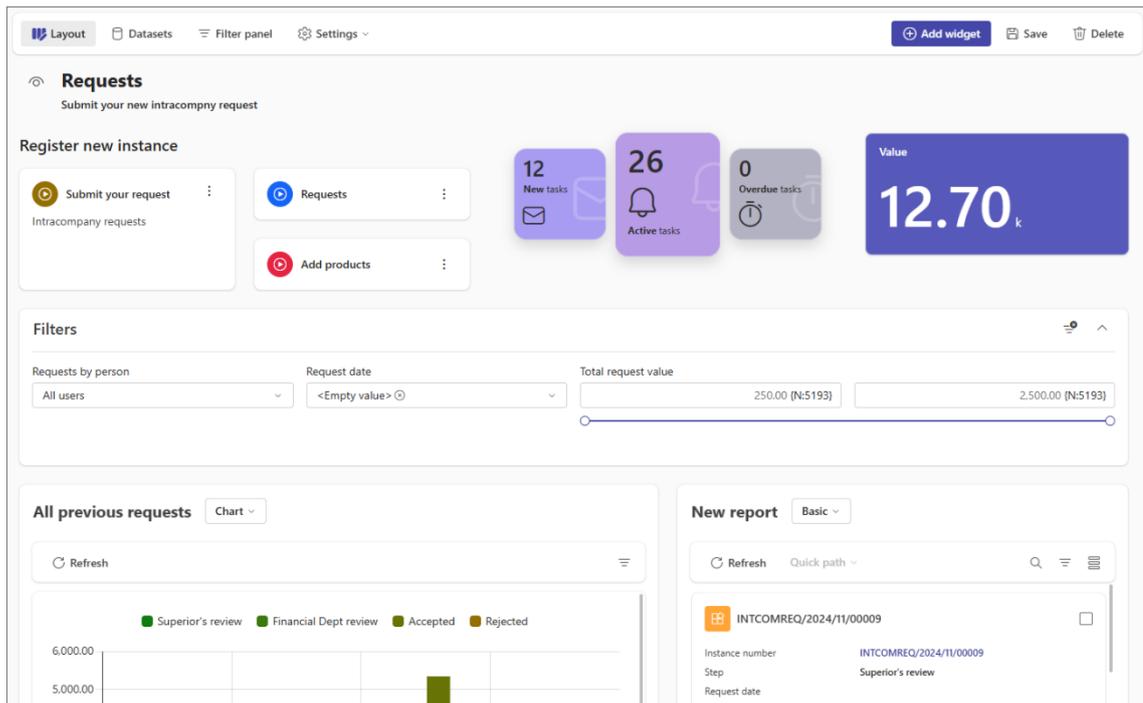
Modified the dashboard design process by implementing a design grid and introducing changes to the widget configuration. As a result, improved dashboard space management and provided designers with greater flexibility in widget placement and management.

#### 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.

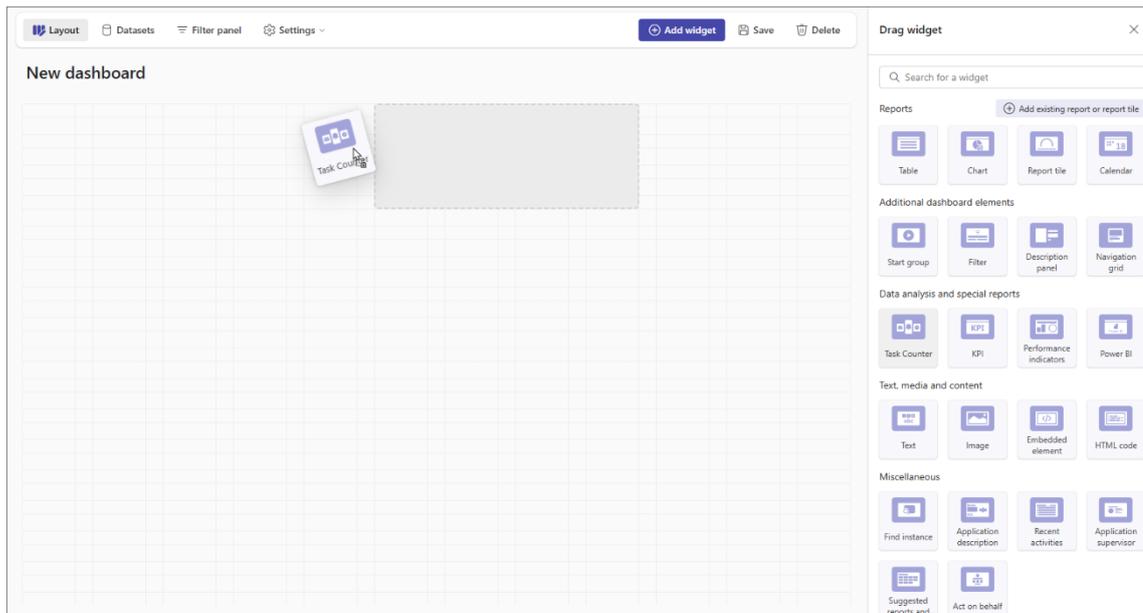
Along with the addition of the design grid, a field has been added to the upper part of the dashboard, allowing users to enter the dashboard's name and description.



**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.

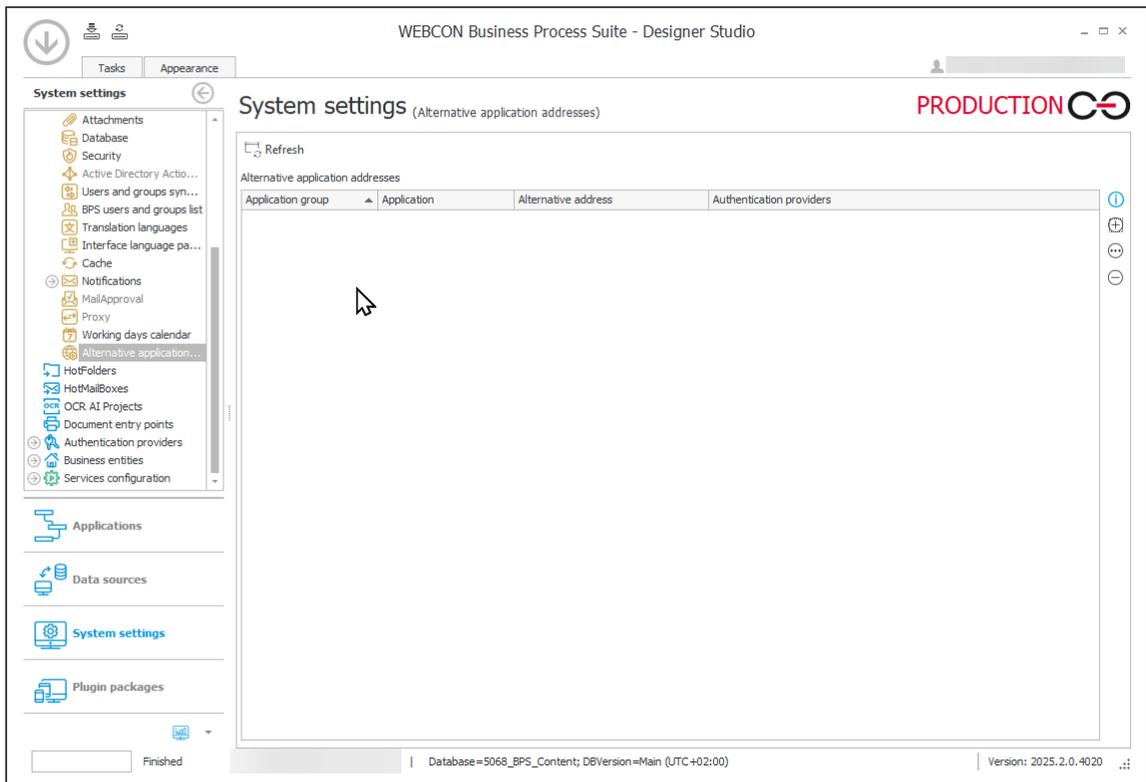
- **HTML code**

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.

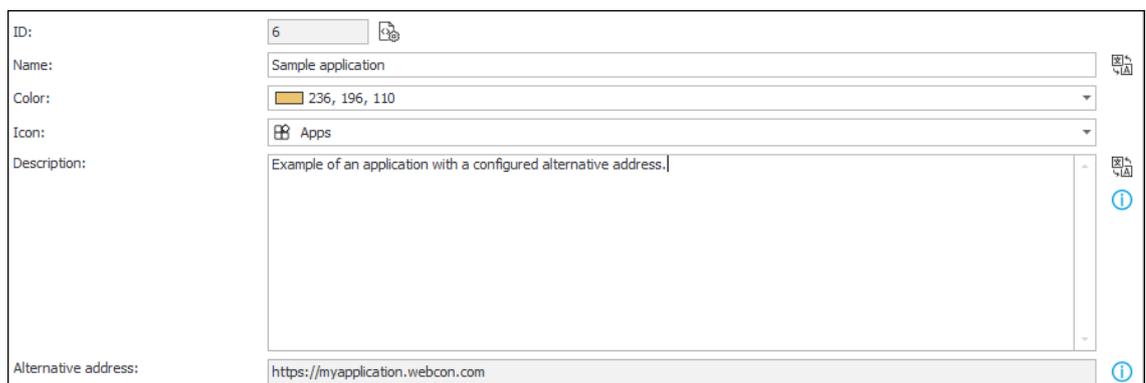
### 5.7. Alternative application addresses

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:

Alternative address:

Authentication providers active in the application with alternative address:

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

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

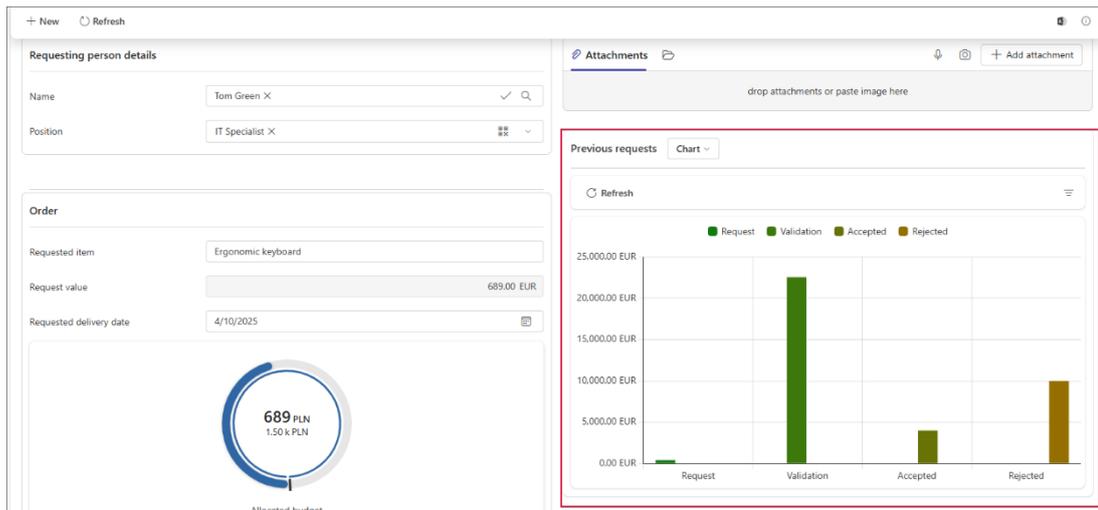
In order to ensure that the alternative address works for the application, additional network infrastructure configuration is necessary (DNS Alias, IIS, firewall).

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**.

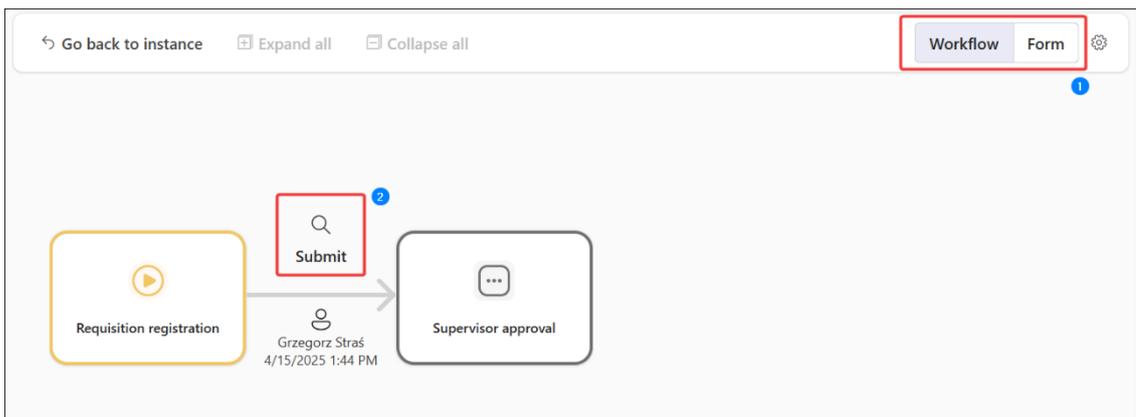
↑↓ Kolumny widoczne	Menu akcji	Link	Agregacja	Opcje w	Kolumny ukryte
[Systemowe] ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Brak		Imię i nazwisko
[Systemowe] Sygnatura	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Brak		Nazwa zamówienia
					Wartość

### 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).

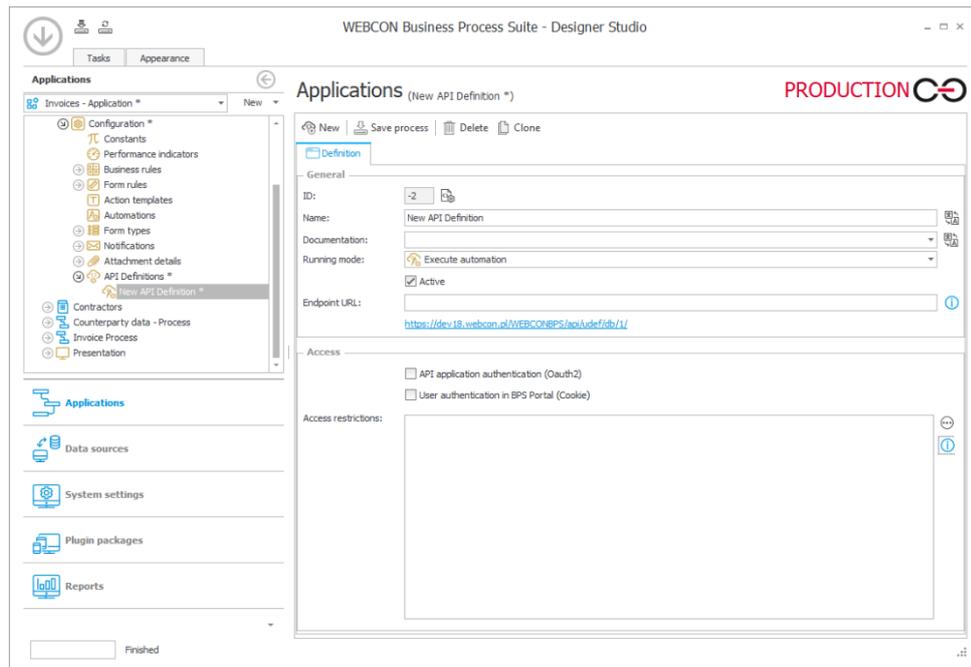
The full (regular) history can still be accessed by **Administrators**, **Auditors**, users with **Access to all instances** (on process and workflow levels), as well as users with privileges granted via actions.

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

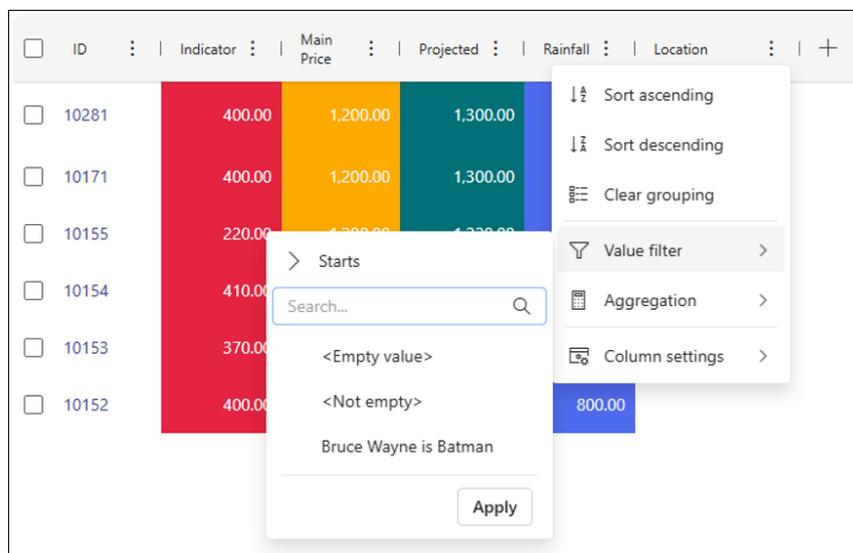
Added the ability to authorize access to report columns. A form field that has **Access authorization** configured on it can now be added as a column of a **Table report**. It may not be used in a chart or calendar view.

ID	Indicator	Main Price	Projected	Rainfall	Location
10281	400.00	1,200.00	1,300.00	800.00	 Restricted access Click to authorize
10171	400.00	1,200.00	1,300.00	800.00	
10155	220.00	1,200.00	1,220.00	780.00	
10154	410.00	1,300.00	1,350.00	900.00	
10153	370.00	1,130.00	1,200.00	730.00	
10152	400.00				

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.

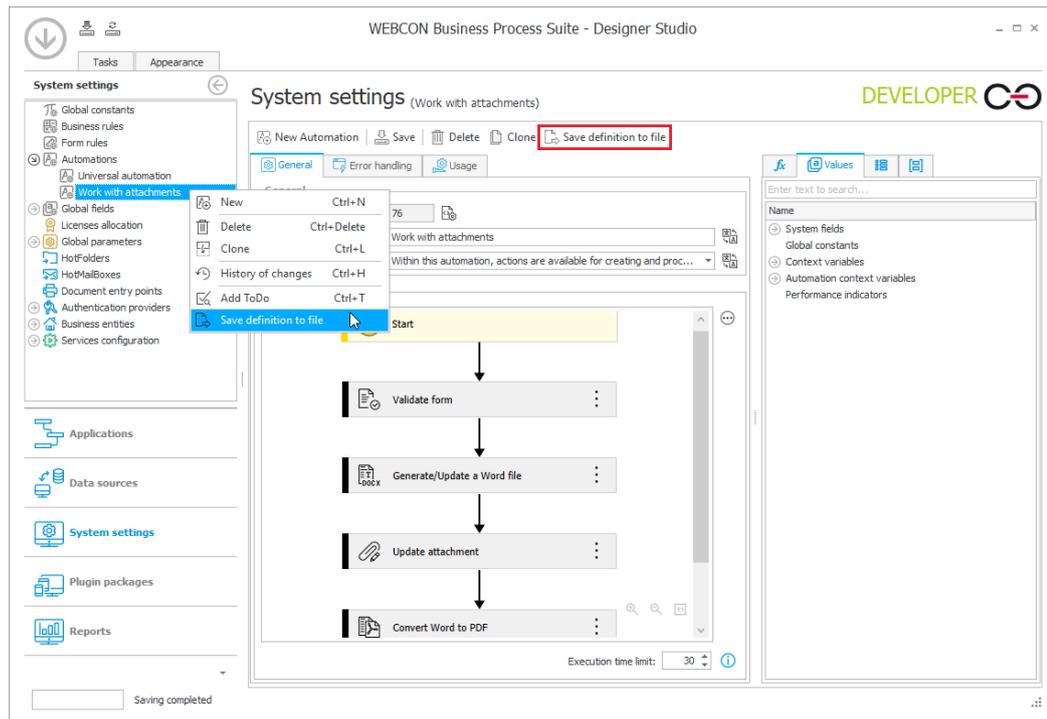


### 5.12. Saving and loading global automations to/from a file

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.

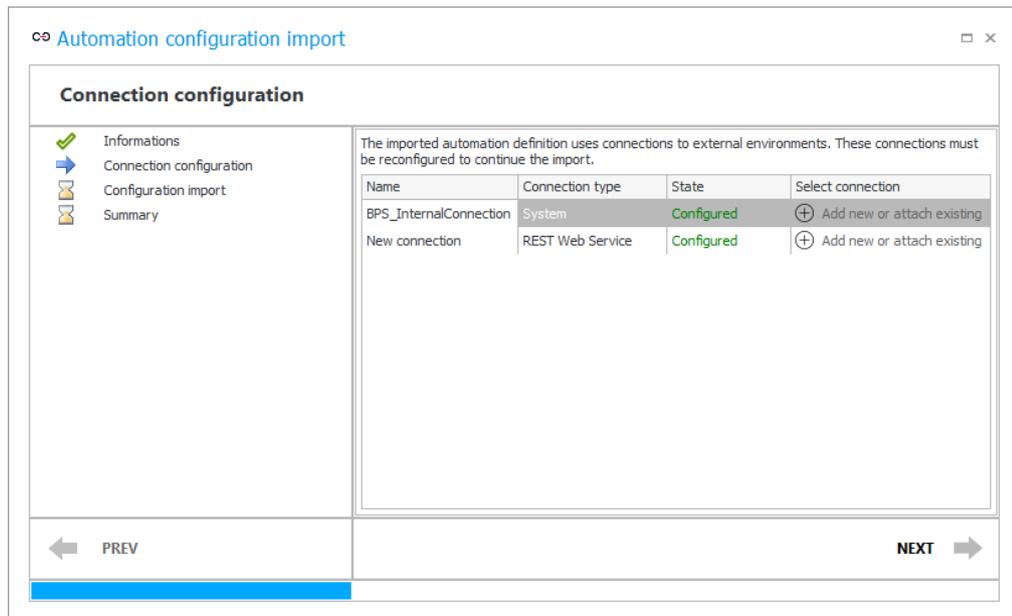


**Note:** it will not be possible to create a file with a global automation definition if it contains references to another **Global automation, Global business rules, Global constants, Data sources** or **SDK plugins**. In this case a message will be displayed and the exported automation will need to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

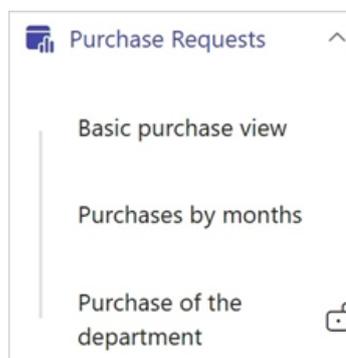


It should be noted that it is possible to import global automation configurations within the same major versions of the system, or from a lower to a higher version (provided that the configuration structure of the elements that make up the imported automation has not been modified).

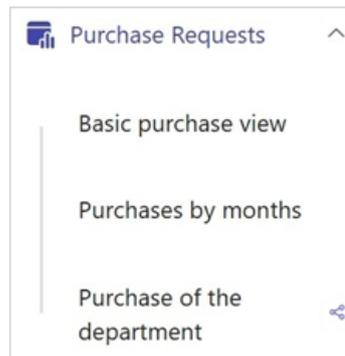
**5.13. Seeing a shared private view in the browser**

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.



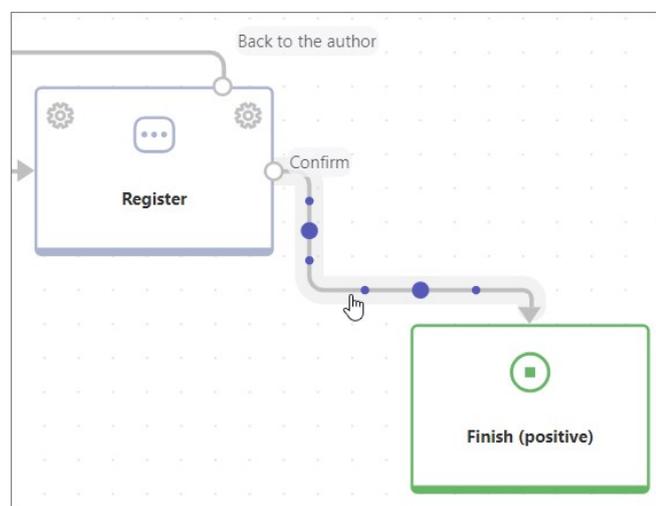
If another user is seeing a view that has been made available to them, they will see a sharing icon.



**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.

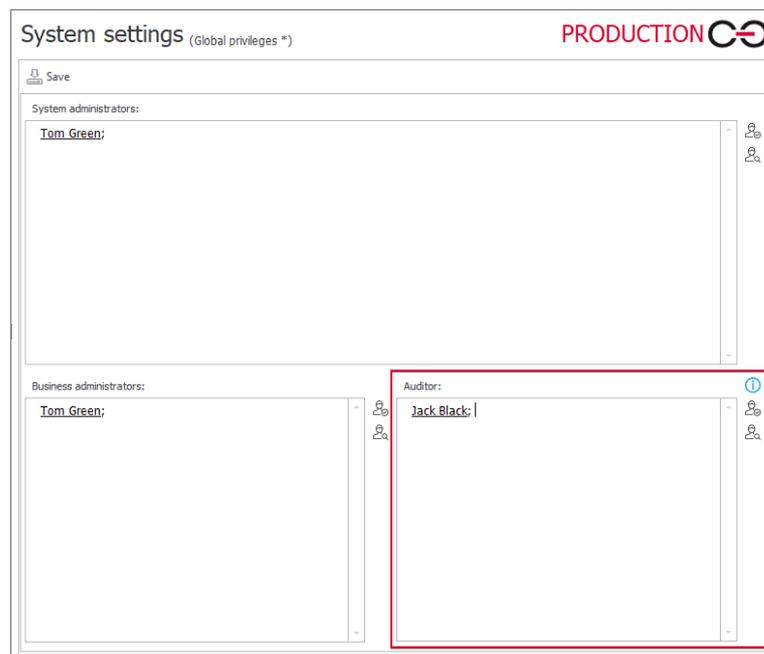


Changes have also been made to the size and placement of ports on step blocks. In addition, it is now possible to route the path so that it is above adjacent steps when edited and below them when already drawn. If a loop is detected, the entire path is automatically redrawn.

**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"/>

Columns

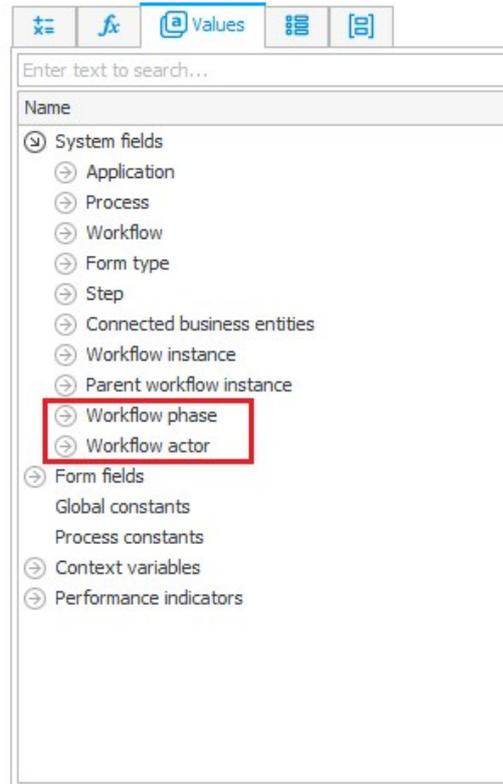
Search

- 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

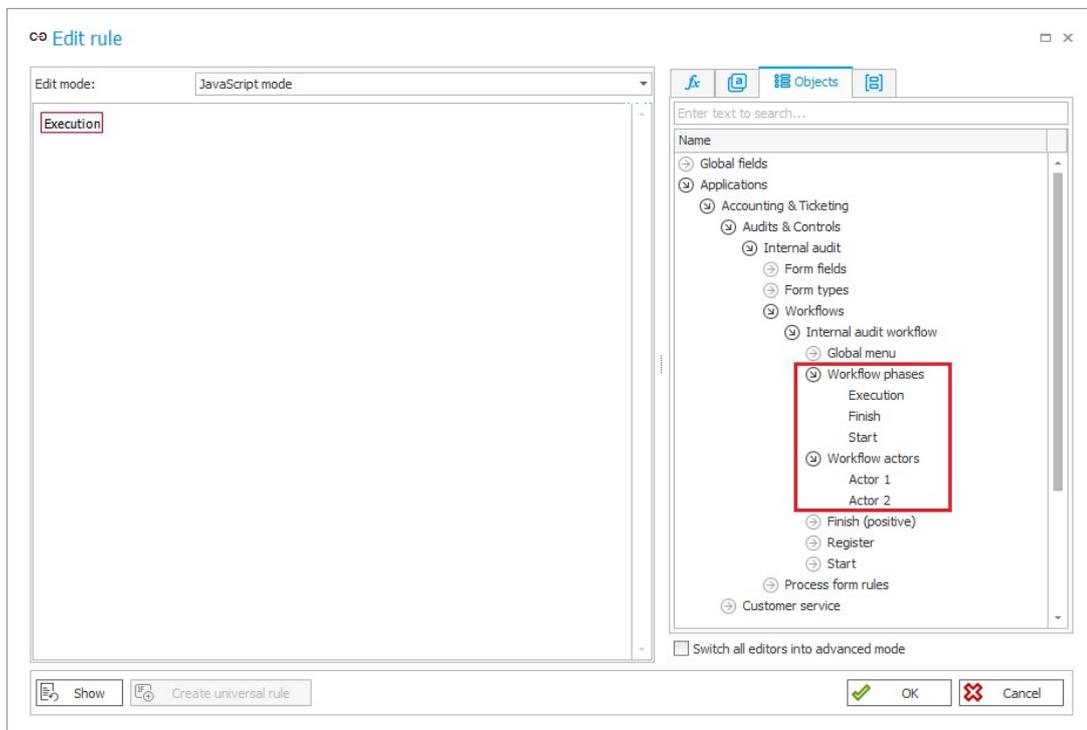
+ Add default columns    + Add calculated column

### 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.



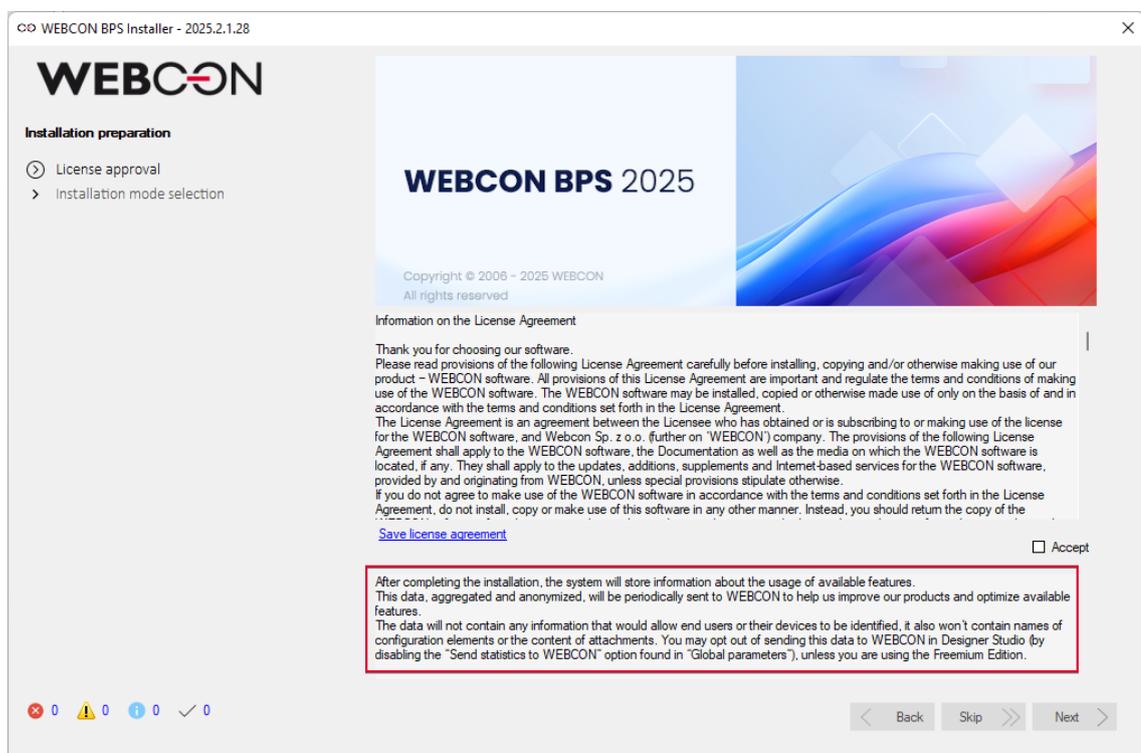
**Workflow phases** and **Workflow actors** are also available in the **Objects** tab for both types of rules, including Form rules in **JavaScript mode**.



**5.17. Statistics on using WEBCON BPS functionalities**

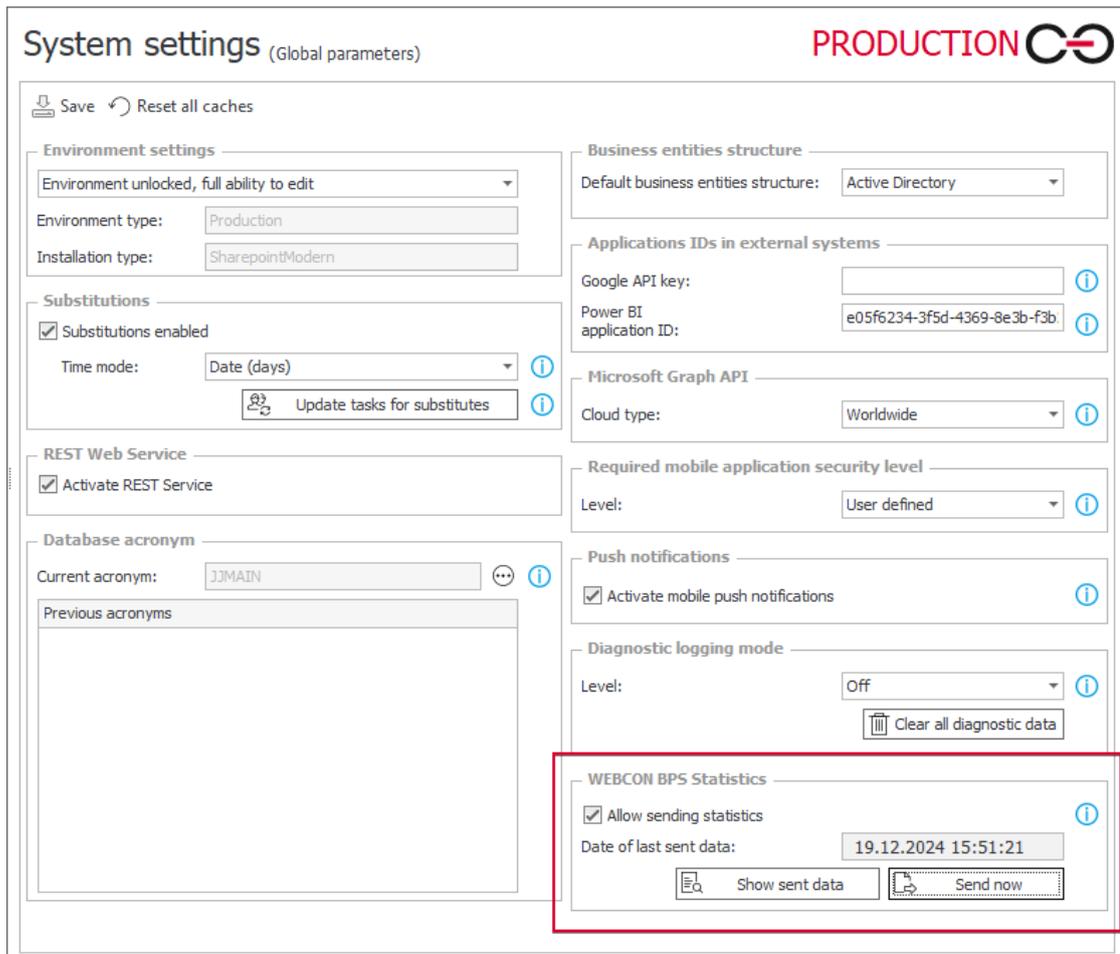
A new functionality has been introduced that automatically transmits statistical data on the usage of WEBCON BPS functionalities within a given installation to WEBCON. The data is collected exclusively for analytical and statistical purposes and does not include any information that could enable the 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 5<sup>th</sup> day of each month at the time specified in the **Database maintenance hours** field in the service operation schedule configuration).



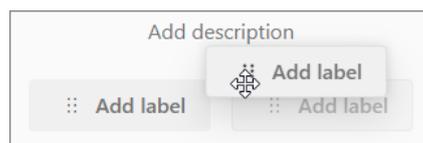
The functionality can be managed through a new section, **WEBCON BPS Statistics**, (**System settings** → **Global parameters**), which was added to Designer Studio. The section allows users to withdraw their consent (the **Allow sending statistics** checkbox) (note that in such cases, the information 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.

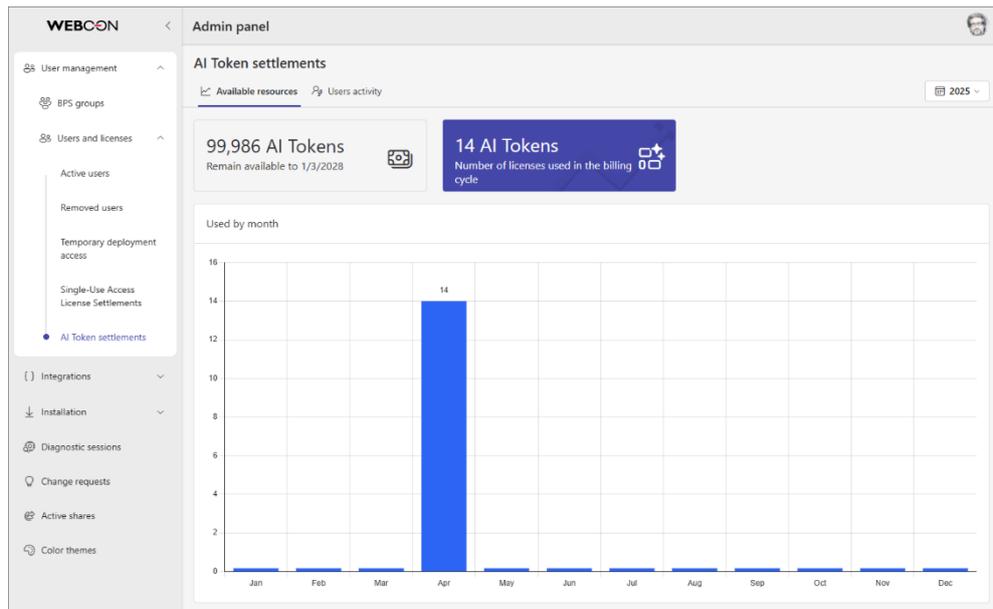


### 5.18. Portal

- 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.

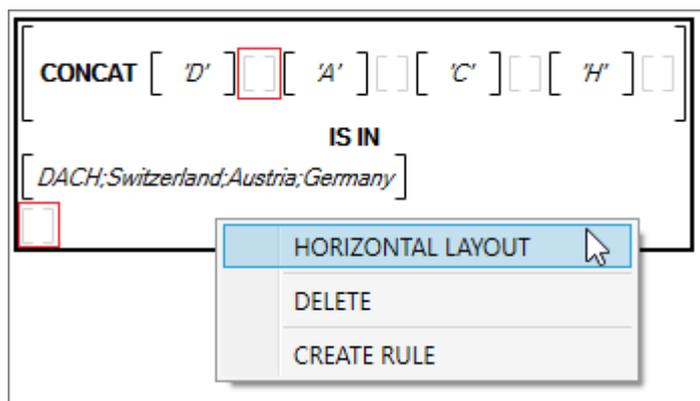


### 5.19. Designer Studio

- 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/{wflDguid}/associatedFormTypes/{idguid}/admin/privileges`  
The business entity will be correctly taken into account when assigning privileges to the form type.