

WEBCON **BPS 2026 R1**

history of changes for version 2026.1.1.45

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1. Before upgrading WEBCON BPS

1.1. Important information

- To upgrade to **2026 R1**, you need to have active **Software Assurance** for perpetual licenses or an **active subscription license**. After the upgrade, you should update your license package to avoid system interruptions. To do this, make sure that your WEBCON BPS licenses have been updated – check the availability of **WEBCON BPS Server 2026.1** 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.
- It is not possible to update to the newest version from a version older than **2019 R1** or any system that has been installed using the **WEBCON BPS SharePoint Classic** mode. Please contact our support team to discuss the optimal strategy for updating your environments to the newest version. Information about possible scenarios can be found on our community site at <https://community.webcon.com>.
- The currently required SQL Server version is SQL Server 2019 with Cumulative Update 29 (CU29) installed. Compliance with this requirement is verified during the platform installation process, and the installation cannot continue if this condition is not met. Additionally, a mechanism has been introduced to validate the minimum compatibility level—**Compatibility Level 150**—across all databases.
- WEBCON BPS was updated to a **.NET 9** environment. The installer will check if **.NET 9** and **ASP.NET Core 9 Hosting bundle** are installed in the system verification step.
- Updating the WEBCON BPS platform to version 2026 R1 resets the Portal address in Designer Studio. As a result, the user is required to manually enter the Portal address when first accessing Designer Studio after the update. Additionally, when updating, the system requires the **Service** user's login and password.
- After updating the WEBCON BPS platform from version 2025 R2 to 2026 R1, the system automatically queues content reindexing in SOLR. Attachments added to workflow instances are not included in this process.
- The WEBCON BPS 2026 R1 version does not support **WEBCON BPS SharePoint Modern** installations. For this type of installation, please contact the WEBCON Support Department.

- If the changelog contains a section titled “Changes to existing features”, please verify whether the changes will impact your implemented system in any way.

2. Security fixes

2.1. General

- Improved cache handling for some endpoints.

2.2. Portal

- An issue with report editing access has been fixed. Previously, a user with limited permissions for a given application could modify its reports if they had administrative privileges for another application. The system now correctly limits report editing access based on the permissions assigned to a specific application.
- A security measure has been implemented in the **Search Everywhere** search results by replacing HTML characters with safe equivalents in comment text. The exceptions are tags used to format results, such as bolding and highlighting search terms. This change prevents the injection of unauthorized HTML code into the user interface.

2.3. Updated components

- The following components have been updated:
 - react-redux-toastr to version 8.0.0
 - redux to version 5.0.1
 due to the vulnerability patches:
 SNYK-JS-BABELRUNTIME-10044504 – <https://security.snyk.io/vuln/SNYK-JS-BABELRUNTIME-10044504>
- Improved security by eliminating a text spoofing vulnerability identified in an external audit, which allowed crafted text to be displayed in certain system views. The **parameterName** and **userLogin** URL parameters are no longer accepted.
- The following components have been updated:
 - react-native-firebase/app to 21.14.0
 - react-native-firebase/messaging to 21.14.0
 due to the vulnerability patch:
 - <https://security.snyk.io/vuln/SNYK-JS-UNDICI-8641354>
- The component `expr-eval` has been replaced with the `expr-eval-fork` component due to the vulnerability patch: CVE-2025-12735, CWE-1321, CWE-94 - <https://security.snyk.io/vuln/SNYK-JS-EXPREVAL-13833679>.
- The SkiaSharp component has been updated to version 3.119.1 due to the vulnerability patches: CVE-2023-5129, CVE-2023-4863, CWE-122 – <https://security.snyk.io/vuln/SNYK-DOTNET-SKIASHARP-5922114>.

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 R2 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.
- Starting with version 2026 R1, the **appsettings.user.json** configuration file is replaced by **appsettings.production.json**. The previous file will remain available for reference under the name **appsettings.user.old.json**. This change is aligned with Microsoft's standards for configuration file structure and naming.

3.2. General

- Updated React from version 18.3.1 to 19.1.
- Improved the appearance of the **Accessibility settings** window, enhancing visual clarity and consistency.
- The appearance of the **Edit profile** window for users has been improved. The overall look has been refined to be more readable.

3.3. Portal

- Changed the name of the Portal launching process. The previous name, **WebCon.BPSCloud.Portal.exe**, has been replaced with **WebCon.WorkFlow.Bootstrapper.exe**. As a result, the process is now displayed under the new name in the Windows Task Manager.
- Improved error message clarity in the Portal when testing email connections (SMTP/Graph) and performing other administrative operations. Instead of generic error codes (e.g., 400/404), users now receive detailed descriptions of the issue, like in Designer Studio.

3.4. Mobile app

- The older version of the mobile app – WEBCON BPS 2022 – will be removed from the store. It will be available for downloading only until the end of 2025.

3.5. API & SDK

- The UDA configuration has been relocated from the **Instance Data** tab to the **Access to workflow instance** tab. Backward compatibility has been

maintained, with the previous functionality remaining as an available option within the new tab.

4. Changes to existing features

4.1. Important information

- The error logging method has been changed from **text-based logs (NLog)** to **structured logs (Serilog)**.

Main assumptions

- The general goal of switching to structured logging is to modernize the logging technology.
- The parameter previously called **ErrorGuid** is now named **CorrelationID**.
- Configuration is located in the appsettings.json file in the installation folder for the Portal and Service, respectively.
- Serilog supports the **OpenTelemetry** standard, which allows logs to be transmitted and processed through various standardized tools in a unified manner.
- Available OpenTelemetry-compatible tools can be configured under the **Exporters** section of the appsettings.json file.
- Thanks to the OpenTelemetry standard, logs can be linked with traces and metrics.
- Appropriate tools can process and display selected data.
- The database structure has been updated to store log objects, but the overall logging behavior remains unchanged.
- Since logs are no longer based on a fixed text formula, their content is now standardized.

What are the logging levels?

- **Verbose** – the most detailed and least frequently used level. Useful for debugging and tracing complex scenarios.
- **Debug** – detailed information helpful for troubleshooting in test environments.
- **Information** – general information and events in the system that help trace execution flow, key actions, and states (e.g., form validation).
- **Warning** – unexpected events that do not interrupt execution. Useful for identifying potential issues (e.g., failed login attempt, blocked path transition).

This is the default level for the **MinimumLevel** node in Appsettings.json.

- **Error** – errors that interrupt the execution of the current operation, but do not disrupt the operation of the entire application.
- **Fatal** – the highest level, critical errors affecting the entire system or preventing the application from running (e.g., the Portal fails to start after an update).

Where are logs stored?

Configuration is defined under the **WriteTo** node in Appsettings.json.

- Fatal-level logs (e.g., those preventing the system from starting) are written to a file in the "logs" folder according to the Appsettings.json.
- Logs of level Warning and above are written to an MSSQL database configured in the MSSqlServer node (by default, this is the **Infrastructure.Logs** table in the WEBCON BPS Configuration Database). **Note:** For large environments, it is recommended to create a dedicated MSSQL database for logs, or use specialized logging tools (Sinks).
- All logs from the IIS console are sent to a file in the appropriate inetpub folder.
- EventLog will receive Errors and above.

Components not affected by this change

Some loggers will continue writing to their respective tables as before. They will be replaced with Serilog-based logging in future versions. Information about these updates will be included in the version roadmap. Components that remain unchanged in this version:

- Debug mode in Designer Studio
- AdminWfEventLogs
- logging by the Service
- Diagnostic sessions
- logs for REST API and UDA

4.2. Changes in OpenTelemetry configuration

Due to changes in the architecture of the WEBCON BPS platform, the method of configuring the OpenTelemetry tool has been modified.

Currently, the entire configuration of this tool is performed in the **appsettings.json** file, available in the installation folder of both Portal and Service. This file now contains a new **OpenTelemetry** section with the following nodes: **Metrics**, **Tracing**, and **Logs**.

In the Metrics node, the option to enable individual instrumentations separately has been removed — now, activating the node launches all instrumentations (except for **EventCountersInstrumentation** which is no longer supported). Within this node, a separate subnode has been added, allowing configuration of the Prometheus tool. Additionally, it is now possible to define custom OTLP-compliant metric data exporters.

For Portal, logs generated by the application using the **Serilog** tool can now be exported to exporters defined in the Logs node via the OTLP protocol.

Furthermore, configurations of several collectors have been modified:

- **Jaeger** – new endpoint address: `http://[host]:4318/v1/traces`, and the protocol has been changed to “http”;
- **Prometheus** – new BPS Portal address (`bpsportal`): “[host]:48439”, and BPS Service address (`bpservice`): “[host]:9464”, and a new – optional – scheme (`scheme`): “https”;
- **Azure Application Insights** – configuration is now outside the **OpenTelemetry** node, in the **ApplicationInsights** node, allowing transmission of traces, metrics, and logs, regardless of OpenTelemetry settings;
- **AWS** – the separate configuration node has been removed; traces and metrics are now sent to the collector via the standard OTLP exporter whenever the respective **Traces** or **Metrics** node is activated;
- **Google** – in accordance with Google's recommendations, the separate configuration node has been discontinued in favor of using the standard OTLP exporter which sends data to the Google collector, e.g. <https://cloud.google.com/stackdriver/docs/solutions/agents/ops-agent/otlp>.

4.3. General

- Updated currency exchange rate retrieval from the Narodowy Bank Polski (National Bank of Poland) API. Currently, currency rate requests are transmitted via HTTPS instead of HTTP protocol.
- Changed the default log table from **AdminWfEventLogs** to **Infrastructure.Logs** in the configuration database. This table is optional, and users now have full control over the logging setup in the `appsettings.json` file, including the option to configure logging without using the mentioned table.
- 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.

4.4. Portal

- Disabled the ability to change the **Application type** from the **Admin panel** for an API application that has already been saved.
- Updated the appearance of file-type icons in the attachments panel. The new icons align with the Microsoft Fluent UI system.
- Removed the ability to pin the instance preview sidebar when displaying a dashboard report in full-screen mode.
- Updated the colors of **ghost**, **subtle**, and **transparent** button styles (buttons with minimal or transparent backgrounds) to improve contrast and consistency with the interface theme.

- Improved the performance of fetching the subordinate structure for dashboard **Reports** and **Report** type form fields by reducing the number of requests. Now, if multiple Reports are present on a dashboard or form, only a single request for the subordinate structure is sent.
- Changed the approach to copying privileges when adding an existing application report to a Dashboard using the **Add existing report or file** button. Previously, when a report was cloned to the Dashboard, user privileges were copied from the original report—now, default privileges will be applied instead.
- Added the ability to sort applications and processes by name in the application permission (scopes) editing window (**Admin panel** → **Integrations** → **API**).
- Improved the visual presentation of the **Camera** and **Voice memo** windows. Among other updates, these changes include a revised view of camera access permissions and replacing old buttons with new ones in the Camera window, as well as adding a new microphone icon, and updating the font and button layout in the Voice memo window.
- Adjusted the size of the application supervisor's photo to match the widget dimensions. The photo (or placeholder) now dynamically fills the available space, making better use of free space in multi-column layouts (> 3 columns).
- Standardized the search behavior for the **Assigned to** field with the **Multiple lines of text** form field in **Reports** based on SearchIndex SOLR sources. In **Starts** mode, the search is now case-insensitive, while in **Contains** mode, case sensitivity is still applied.
- Modified tile icons for **Image in the center** and **Image filled** to reflect the actual appearance of the **Description panel** widget.
- Updated the warning icon color on data source columns in the Portal. This change applies to warnings related to both visibility restrictions and authorization requirements.
- Removed **Searching structures** from the Portal (from the application navigation and the home page) and replaced them with a new default Searching structures report, which is automatically added to the application. The new report will be added only if Searching structures were previously visible. If they were hidden, the report will not be created. Searching structures in the Outlook Classic add-in remain unchanged.
- Optimized performance of task and activity retrieval, as well as search result loading in Portal when using on-behalf substitution mode.

- Updated the system behavior when changing the source in the configuration of a **Report** added to the **Dashboard**. The default view is now maintained in such cases.
- Modified character limit in search bars within the **Report** toolbar and the top menu, plus the search results page on **Portal**. Currently, the character limit is 255 characters with spaces.
- Improved the application HealthCheck mechanism – it now reports the actual status of the application itself, rather than related processes. In the Portal, checks for connections to SOLR and the Service were removed, as they do not affect the Portal's health. New HealthChecks were added, and the Service HealthCheck was enhanced to monitor the status of running modules.

4.5. Form

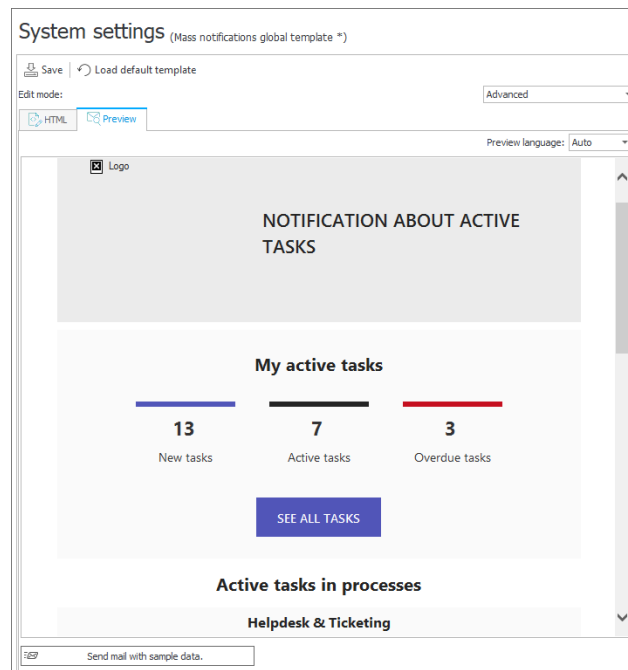
- Added a frame to the button that hides objects requiring authorization in the **WEBCON Contrast Black Yellow** theme.
- Improved the display of long text in the **Single line of text** form field. The previous HTML *input* control has been replaced with *textarea*, enabling full content visibility without scrolling.
- Removed the minimum height of the text field in the **Choice list** form field. The field height now depends solely on the number of rows defined in the form field's **Advanced configuration**.
- Improved **Tab** display behavior within the **Tab panel**. Tabs are now always displayed horizontally, regardless of window resolution. Users can access hidden tabs by horizontally scrolling them or clicking the ellipsis button on the right side of the tab panel. Additionally, long tab names now wrap to a new line, and are not truncated.
- Changed the behavior of the system step **Waiting for sub-workflows**. The path transition in the parent workflow, after all sub-workflows are completed, is now executed asynchronously by the system account (using a mechanism analogous to a Timer) on the Service account with a retry mechanism (5 attempts). It is no longer performed by the user completing the sub-workflow. As a result, no license check is carried out, and the modifying user is recorded as the system account. This eliminates the issue of blocked transitions when the user who moved the parent workflow into the waiting step does not have a license or sufficient permissions. The parent workflow path transition by the user completing sub-workflows can alternatively be reproduced using the workflow move action. Additionally, the license error message has been extended to include the user's login, making error diagnosis easier.

- Aligned the behavior of the **Choice field** across the **Autocomplete** and **Popup search window** modes when inserting values from outside the data source. Currently, attempting to copy a value from a parent form field into a dependent field (where a value from the data source was previously inserted) results in the value being cleared and the message "No exact match was found for: ..." being displayed.
- Changed how form fields requiring **Access authorization** impact the form set to open in **Dynamic mode**. From now on, if a field requiring authorization, which is configured as visible on the specific step within the **Field Matrix**, the form will invariably open in **View (Read-Only)** mode. Previously, a form with a task assigned to the user would open in edit mode, which, if fields requiring authorization were present, immediately triggered an authorization pop-up. Currently, a user can consciously switch to edit mode and initiate authorization at a chosen time.

4.6. Designer Studio

- Improved **Mass notification** mechanism, preventing email delivery to users without directly assigned tasks when notifications are narrowed to specific processes.
- It is now possible to overwrite attachments in workflows where the **Attachments security level** is set to **High**. In such cases, users can overwrite an attachment as long as the form settings have the **Edit file** and **Add and delete** options enabled.
- Modified behavior of automatic task delegation mode for the **Task remains accessible to substitute after substitution ends** label. After the delegation ends or is removed, if the option is enabled, the substitute retains read-only access to the item; if disabled, the substitute loses access entirely. In both cases, assigned tasks are removed.
- Changed the behavior where, if the user's email address was missing in Active Directory, the **E-mail** form field on the form returned the value **{USERMAIL}** instead of an empty value.
- Removed the **Endpoints omitted from anti CSRF checking** section in the **Security** node (**System settings** → **Global parameters**). The modification follows Microsoft's recommendations.
- Updated the message displayed when selecting the **Single Solution license** checkbox (in the **Licensing** section) in the configuration window of a process that contains more than two workflows. Currently, in such cases, the message states that the user cannot add more than two workflows to processes licensed under the Single Solution license.

- Modified behavior in the application export mechanism. The system now indicates invalid child instances of the system dashboard (**Application home**) with a red "X" icon displayed directly at the application node level.
- Modified button colors, available in the default **Mass notification** template. These colors now match the selected color theme.



4.7. Actions

- Improved response header mapping in the **Invoke REST Web service** action. Previously, when headers occurred multiple times, only the first value was retrieved. Now, all header values are returned concatenated with a comma.
- Added input parameter mapping to requests sent through the **Invoke REST Web service** action with **Body type** set to **JSON**. Users can now select input parameters in the **Values mapping** field (the **Response** tab).
- Fixed an issue where the **End** block in automations did not stop their execution. After the fix, the End block correctly terminates the automation without an error. To maintain backward compatibility, all existing instances of the End block were removed from automation definitions during the update. To take advantage of the corrected behavior, the End block must be re-added in the automation editor.
- Changed the behavior of the **Invoke REST Web service** action with a FORM – url-encoded request payload so that variable tags `{{...}}` are correctly

applied in the mapping of both field names and their values. Previously, tags in field names were not properly resolved.

- Modified the logic of the **Start editing a file using OneDrive** action. Permissions are now granted optimistically – users who can be identified receive access, while the rest are logged as warnings. Additionally, users are now grouped by provider (BPS, AD, AAD, LDAP), and the issue of assigning permissions twice (for users selected both on the form and on the path transition) has been resolved.

4.8. Rules

- Modified the column sorting mechanism behavior of the **Item list** after invoking a rule on a callback. Previously, when a callback only changed the requiredness of a form field, user-defined sorting was overridden by ID sorting. Furthermore, the user-defined sorting arrow was still displayed in the column header, even though the sorting was no longer applied. Now, the user sorting is not reset after a callback rule invocation, ensuring the view accurately reflects the current list state.
- Updated the context variable **Is admin mode active?** Previously, this variable returned text values ("True"/"False"). Now, it returns logic values (0 or 1). Consequently, to ensure that rules used in filters will work correctly, it will be necessary to use "TRUE"/"FALSE" or "0"/"1". The previous use of "True"/"False" will no longer work.
- Improved handling of parameters passed from **Form rules** to **Business rules**. Values entered on the form are now interpreted according to the parameter type defined in the business rule. For example, text that looks like a date will no longer be automatically converted to a date if the parameter type is set to Text.
- Updated button descriptions for the **Confirm** function in the tooltip. Button names are now correctly specified as **Yes** and **No**, in accordance with the actual notification displayed on the form. The change applies to the Polish, English, and German language version.

4.9. Data sources

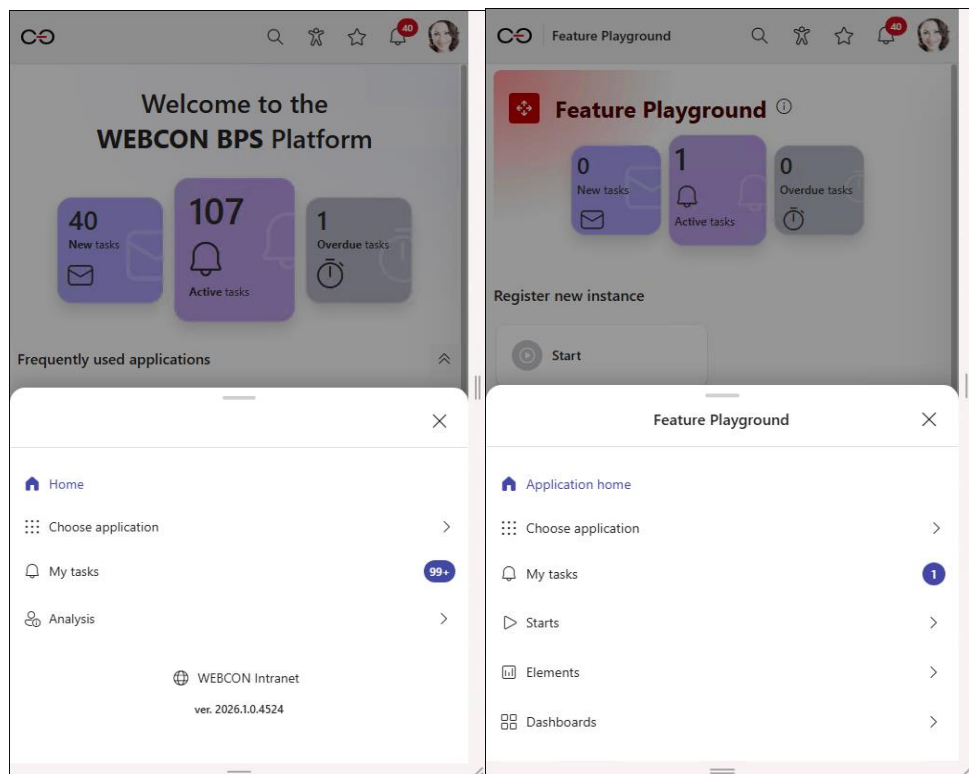
- The **MSSQL database** type **Connection** has had its timeout changed from 120 to 30 seconds. Newly created connections will utilize the 30-second timeout; existing connections will be updated.

4.10. Mobile app

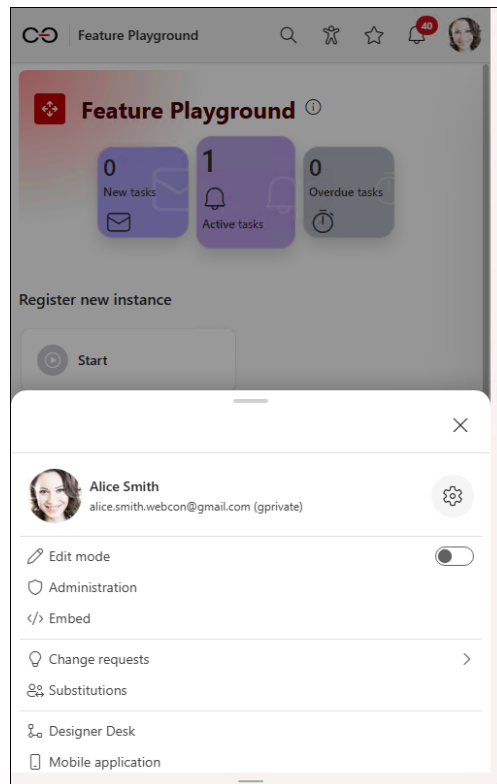
- Improved how **Item list** rows are edited on mobile devices. Previously, the edit mode behavior (single-row pop-up or on the form) depended on screen

size. Now, it solely depends on the **Behavior** settings in the Item list configuration.

- Changed the minimum required screen width for mobile devices from 425 px to 768 px, at which point the preview of certain elements (such as Reports and search results) will be displayed in the sidebar. For narrower screens, users will be redirected to a new window instead.
- Moved standard **Portal** elements, such as **Favorites**, **Frequently used applications**, **Starts**, and **Suggested dashboards and reports**, to the expandable "Bottom sheet."



- Moved navigation to the expandable "Bottom sheet".
- Moved the application selection menu to the expandable "Bottom sheet".
- Moved the user menu to the expandable "Bottom sheet".



4.11. Service

- Removed the mechanism that logged all **Timer** events when the next execution was scheduled in less than 55 seconds. The behavior of the **Log all events** option was also changed; from now on, Timer warnings and errors are always logged regardless of this setting, while enabling the option only affects logging of successful Timer executions.
- Updated the non-configurable server response timeout for **REST** actions/sources executed from the **Service** level. The timeout is now set to 100s, matching the timeout used for REST actions/sources executed from the Portal process. The other limits remain unchanged.

4.12. Designer Desk

- Added a tooltip for application files in **Designer Desk** that displays the name and description of the application prototype. The tooltip appears only when the name or description text is too long and is truncated with an ellipsis.
- Improved the layout of the Designer Desk home and project pages. Consequently, repositioned the **WEBCON BPS** text, increased spacing between elements, and enhanced the appearance of tiles containing tutorial links. The changes have improved readability and visual appeal on both desktop and mobile devices.

- Removed the **HTML template**, **Word template**, and **Word template printout** options previously accessible after activating the administration mode (the **Admin** button) from the form.

4.13. API & SDK

- Introduced access restrictions in the **User Defined API (UDA)** functionality. In the **Get data from an element instance** mode, it is now no longer possible to modify hidden form fields. In the **Actions on a workflow instance** mode, modifying both hidden and read-only fields has been blocked.

5. New features

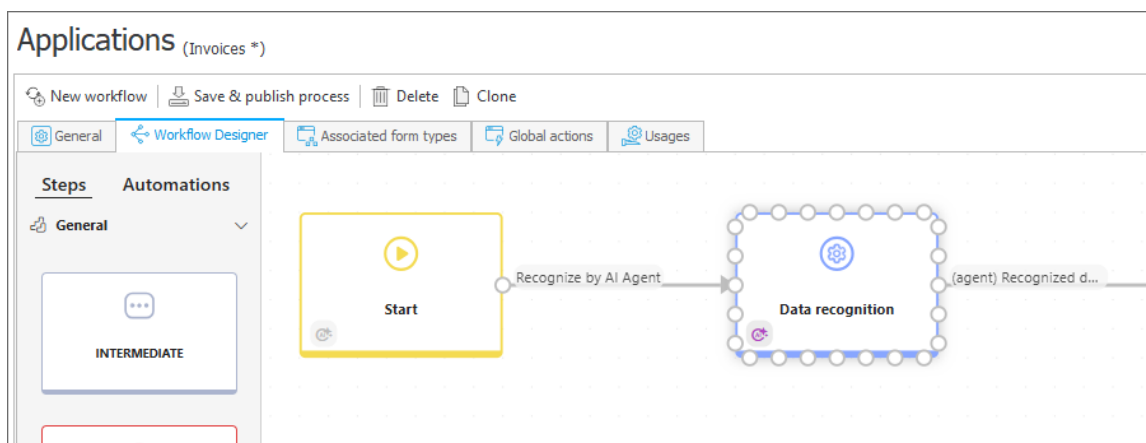
5.1. AI Agents – digital workers in BPS processes

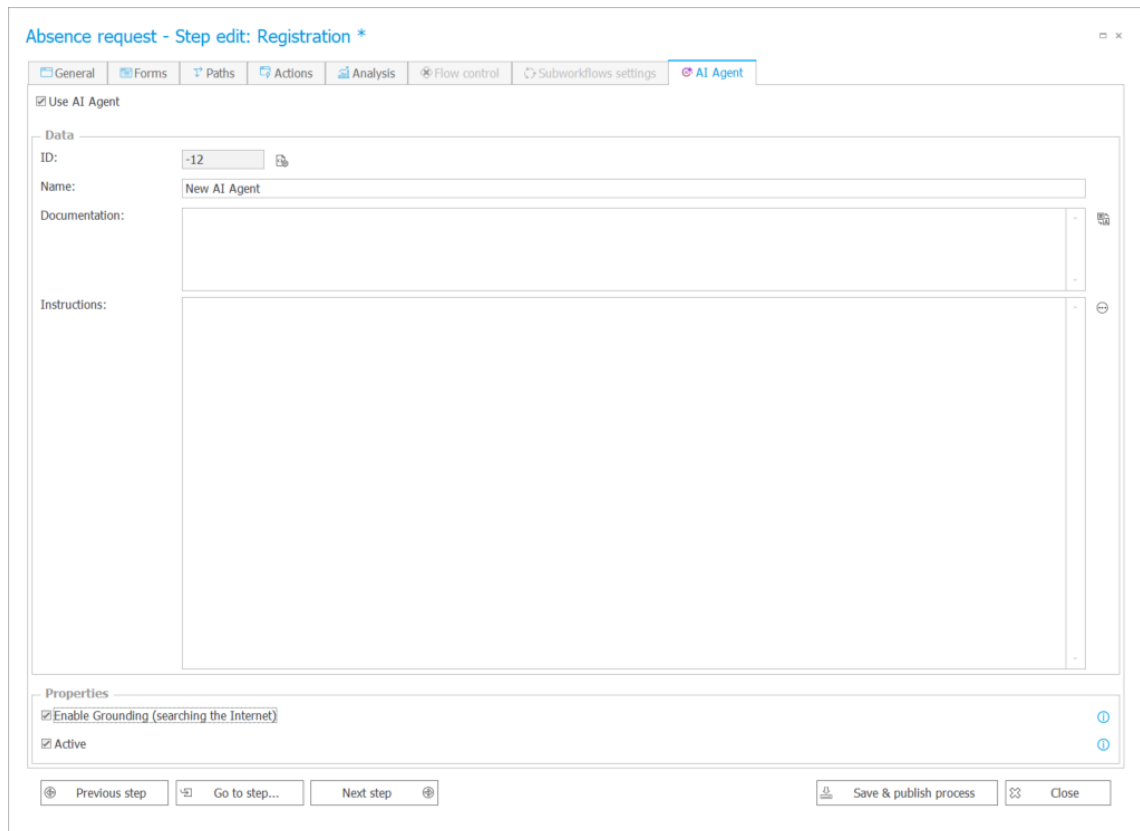
Introduced a new capability in WEBCON BPS: AI Agents. These are intelligent digital workers whose purpose is to execute instructions described in natural language at the workflow step to which they are assigned.

AI Agents can be added to a start, intermediate, system, or finish step. For every instance that enters that step, a new job will be added to the Jobs Queue. Jobs are then processed by the WEBCON Workflow Service.

The AI Agent understands the context of the form and the process it operates within. It can use both process metadata and attachments (however, it only works with values stored in the database, ignoring dynamic fields). Based on this information, it autonomously makes decisions and performs various actions, such as saving an instance, editing form field values, working with attachments, or following workflow paths. At the same time, the Agent respects the settings defined in the field matrix and may leave a required field empty if it is uncertain how to fill it in.

In **Designer Studio**, AI Agents are configured at the step level in the workflow editor. They can also be added and configured directly from the Workflow Designer. Simply click the AI Agent icon located in the bottom-left corner of the step to open the configuration with the AI Agent tab active. If an AI Agent has already been added, the icon will be colored.



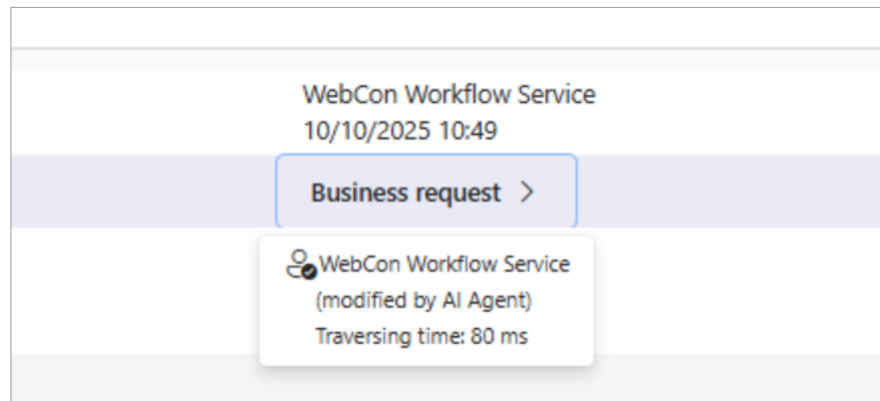


In the current release, AI Agents support:

- reading and writing form fields (including Item list),
- saving workflow instances,
- transitioning workflow paths,
- reading attachments,
- using knowledge from the internet (*Grounding*),

An agent continuously monitors the **job** queue, analyzes jobs, and executes them according to the instruction in the language in which the job was defined. To do this, it selects appropriate **tools** (e.g., for editing form fields or working with attachments). If the instance is currently being edited by a user, the job is deferred. If the workflow has already left the step to which the job was assigned, the AI Agent removes the job from the queue. If an error occurs while saving the instance or following a path, it will be logged, and the AI Agent will not retry executing the job.

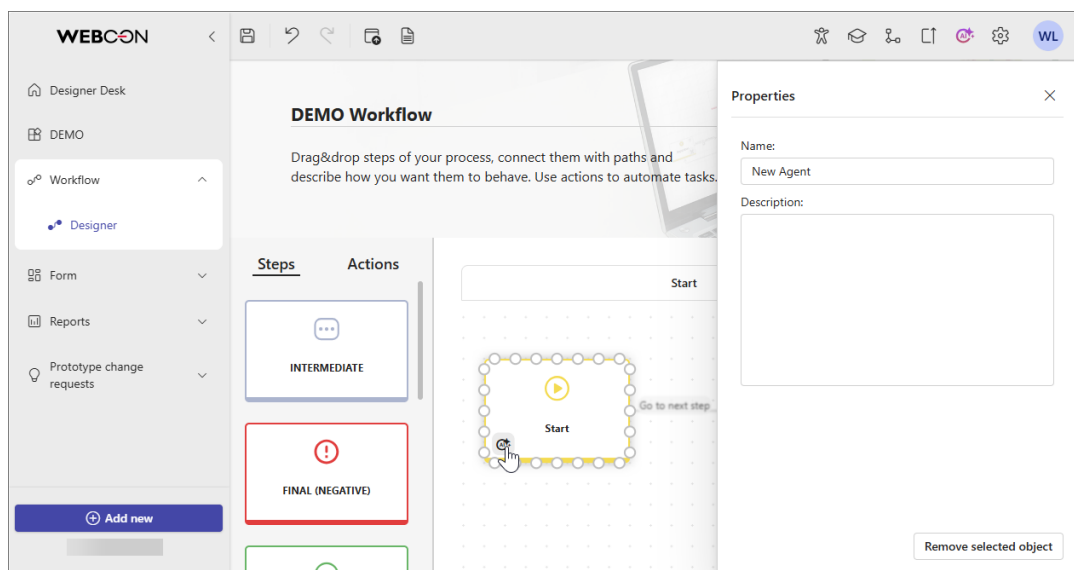
A report called **AI Agent Jobs Queue** has been added, showing both completed jobs and those waiting in the queue (available under **Reports** → **Basic reports**). Changes made by an agent are recorded in the instance History as actions performed by the Service account.



Statistics are also collected regarding the number of configured agents and successfully completed jobs. Agents are exported with the process package, included in the documentation, and can be deactivated at any time.

- **Designer Desk**

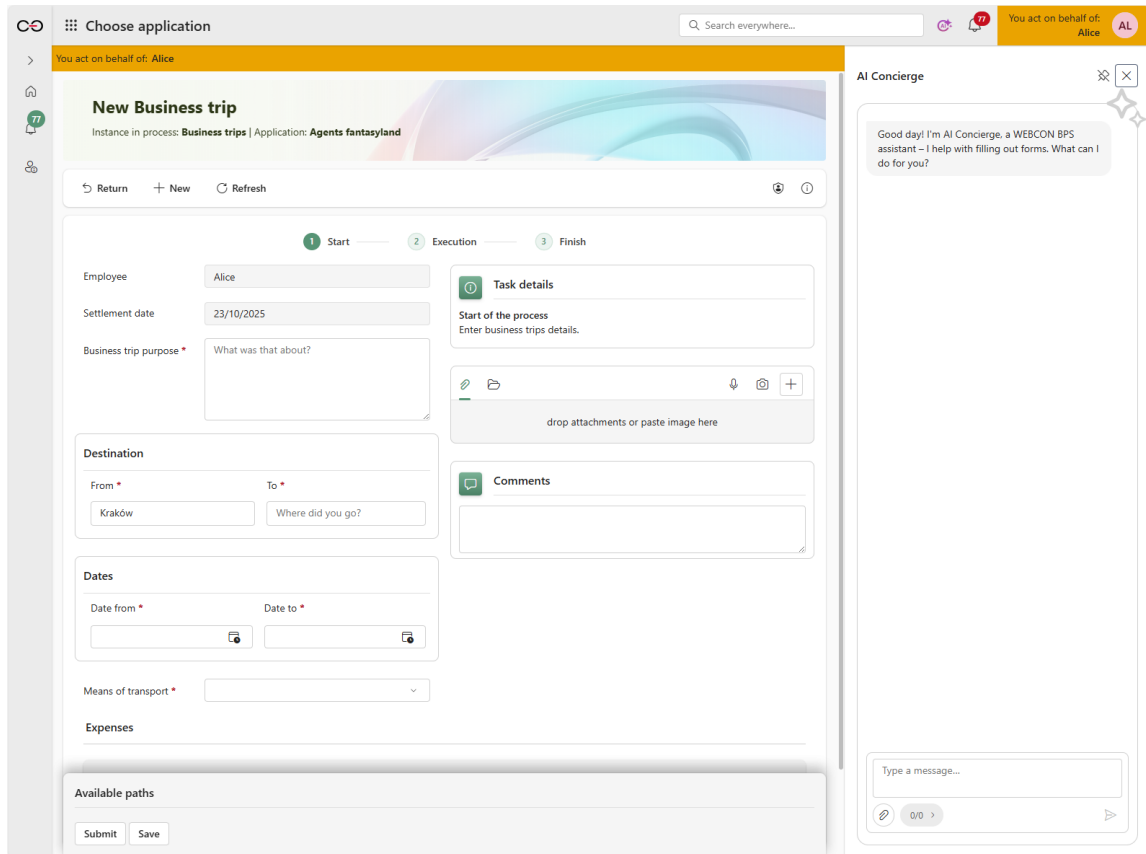
Agents can also be added in Designer Desk already at the prototyping stage (in this case, their configuration must be completed in Designer Studio after the prototype is published). Clicking the agent icon lets you create a new agent or—if one already exists—opens a side panel for editing.



5.2. AI Concierge

Extended the Portal's functionality with an AI Concierge assistant that can be launched on a form within the WEBCON BPS Portal to assist business users and automate selected operations.

Via the chat interface, users can ask questions about workflow instances and receive suggestions for performing specific actions — such as filling in a form or modifying instances.



The following AI Concierge functions are available:

- Filling in a form**—The AI Concierge can suggest or automatically fill in form field values. The assistant may populate only form fields that are visible and editable and that can be modified using the form rules SET and SET ROW VALUE. It has no access to system or technical form fields. In the case of Item lists, it may add new rows, update existing rows, or replace them. Fields completed by the AI Concierge are marked with an icon, and by following the path, the user confirms the entered data.

- Reading data from attachments**—With the user's consent, the AI Concierge may utilize data from attachments (both those attached to the form and those uploaded from disk) to provide responses or to fill in form fields. Some files may be hidden due to their format. AI Concierge supports the following file formats: PDF, DOCX, DOC, RTF, TXT, XML, BPMN2.0, MSG, HTML, CSV, MD, WEBP, JPG, PNG, BMP, TIFF, and SVG.
- Modifying an instance**—During the conversation, the AI Concierge may propose ready-made action buttons that allow execution of operations such as transitioning a path, invoking actions from a menu, or saving an instance.

All changes proposed by the AI Concierge require user approval and are recorded in the instance's history as actions performed by the user.

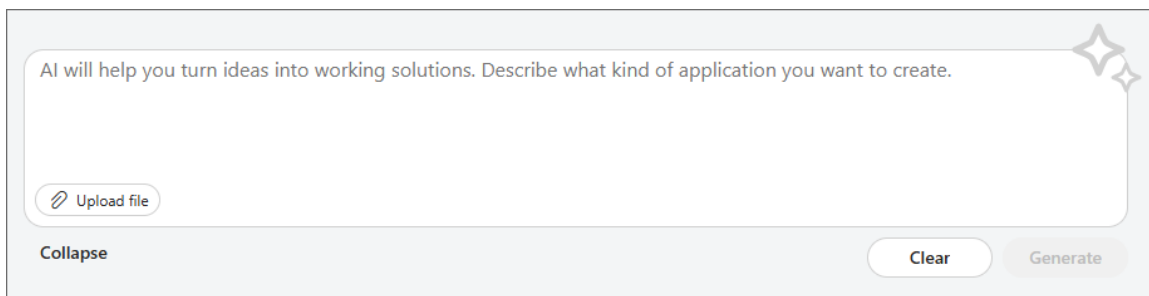
The AI Concierge communicates in the language in which the user submits their query. Its display name can be freely changed (after connecting Designer Studio to the default content database), and the feature can be completely disabled in **System settings (Global parameters section)**. The AI Concierge is also available on mobile devices.

5.3. AI Process builder – File support

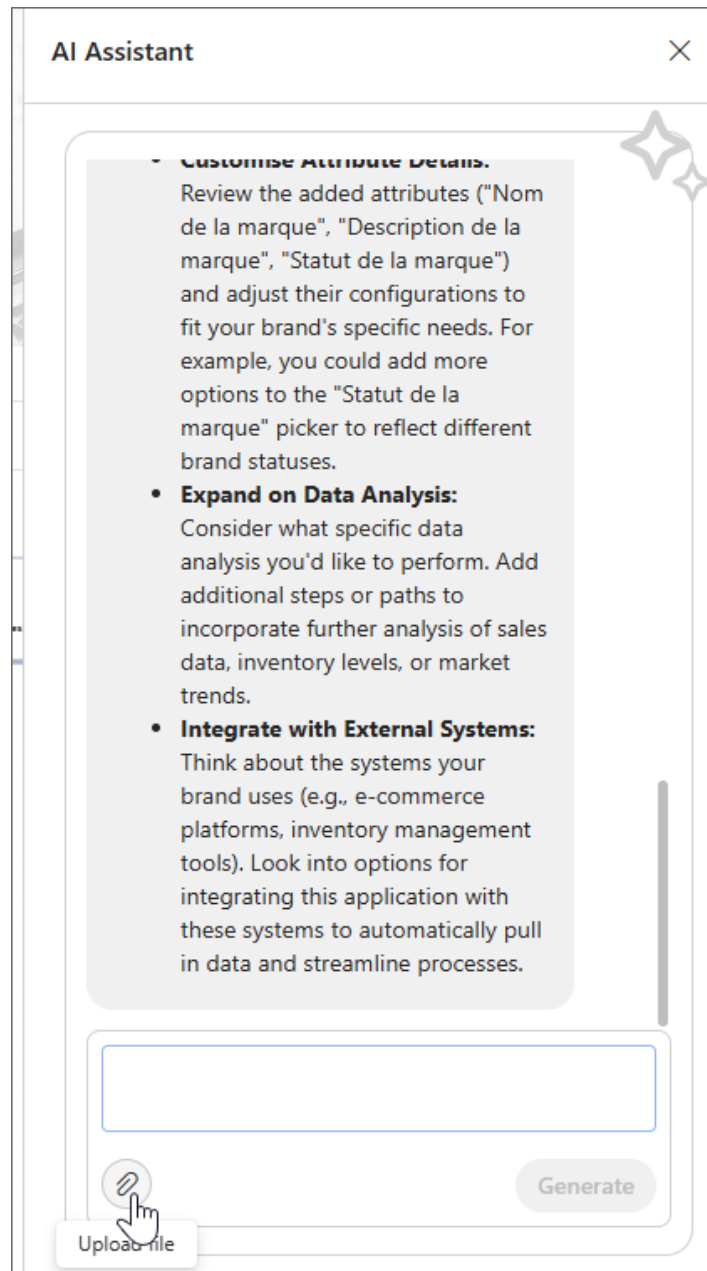
The Designer Desk AI Process builder has been enhanced with functionality that allows users to upload files as data sources. These files can then be used when generating AI prompts to create application or process prototypes. Both text and image files can be uploaded—individually or together in one prompt. This update significantly reduces the time needed to prepare application prototypes and enables automation of transforming source documentation into a WEBCON BPS solution concept.

File upload

On the Designer Desk homepage, clicking the **Start with AI** button opens a text field for interacting with the AI assistant. A new **Upload file** button has been added in the bottom-left corner of this field, allowing users to add files from disk.



The file upload option is also available while editing a prototype, in the sidebar where the conversation with the AI assistant takes place. Users can attach files at any point during the conversation with the AI assistant.



Note: Supported text file formats include: .pdf, .docx, .doc, .rtf, .txt, .xml (.bpmn 2.0)—all of which are converted to PDF. Supported image formats include: .tiff, .jpg, .png, .bmp, and .svg. Depending on the AI model, other file types such as .webp, .json, or .vsdx may also be accepted.

A single file upload is limited to 20 MB. Users can attach up to 5 files per prompt—once this limit is reached, the Add File button will be disabled.

An attachment is valid only for a single prompt—after each message is sent, the file must be attached again. Files added to the window remain valid for one hour. If no prompt is sent to the AI within that hour, the files will need to be uploaded again.

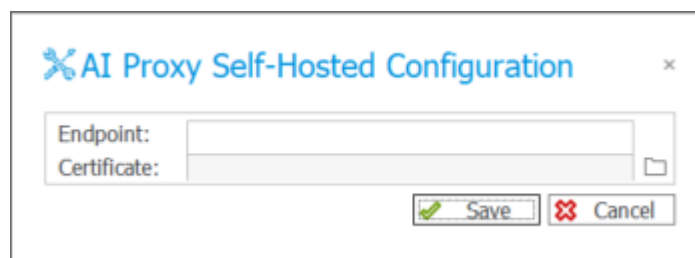
File interpretation

The AI assistant analyzes the uploaded files along with any descriptions provided, which may include references to the files themselves. For example, if the uploaded files contain a process diagram, the assistant will take it into account when generating its own version. However, the resulting layout and assigned users may differ from the original.

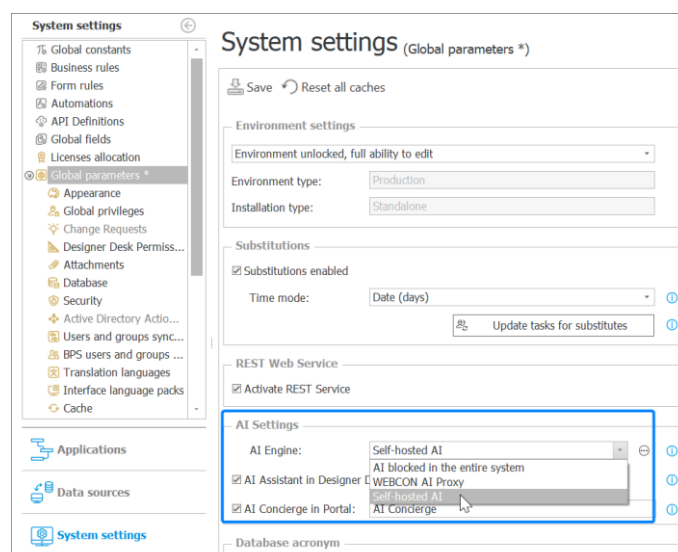
5.4. AI Proxy – local Installation at the Client Site

Added the support for the new **WEBCON BPS AI Proxy Self-hosted** license, which will, in the future, enable the use of a locally hosted AI Proxy based on the client's own AI infrastructure.

When the self-hosted option is selected, the interface for providing the AI Proxy network address and certificate becomes available. The system verifies the provided certificate before establishing a connection to the AI Proxy. Currently, three providers are available: Google Vertex, Azure Foundry, and OpenAI.



The licensing service now supports the activation and retrieval of license packages containing this new license type and reports the number of purchased and used licenses. In Studio, under **System settings** → **Global parameters**, a new AI Engine Choice field has been introduced with three available options:



- **AI blocked in the entire system** — any attempt to use AI-based functionality will result in a license error, even if the license package contains AI Token or AI Proxy Self-hosted license.
- **WEBCON AI Proxy** — enables the use of all AI-based functionalities in the system using AI Token license and the AI engine hosted within WEBCON infrastructure. All data storage and processing take place within the EEA, and the data is not used for training WEBCON's third-party AI models.
- **Self-hosted AI** — will enable the use of AI through the client's own infrastructure. This option requires the installation and configuration of the WEBCON AI Proxy application, as well as the presence of an AI Proxy Self-hosted license within the license package.

5.5. Related instances in Info panel

Added a feature to the Portal that displays relationships between the current instance and other related instances in the **Info panel** — both within the same process and across dependent or business-related processes (including dictionary processes and document templates).

Related instances can be connected in a parent–child relationship (created, for example, by **Start workflow** or **Change value of single field** actions) or be linked indirectly through **Choice field** form fields used in BPS data sources, including Choice field columns in the **Item list** form fields.

Note: Relationship searches in Choice fields will work only when the Choice field's ID column matches the source instance's ID column or its GUID.

This feature allows users to track relationships between instances in one place and conveniently manage them. Users can review the statuses of related instances, check what they refer to, and see when they were registered. Related instances are visible to all users regardless of their permissions; however, the system verifies permissions before displaying an instance's details in a tooltip or opening the instance.

The Info panel includes the **Show related instances** button that opens a map of related instances presented on a timeline.

Details

Author
WL DEMO

Creation date
 7/9/2025

Modified by
WL DEMO

Modification date
 9/8/2025

Version
 8

🔗 Show related instances

📄 Generate QR code for an instance

All instances are presented in a single view regardless of relationship type or hierarchy level. When a large number of results exist, up to 2,000 of the most recently modified instances are displayed.

Related instances: ZAM/2025/10/00001

Go back to instance
 Refresh

 Active
 Final (positive) step
 Final (negative) step

Days Months Years

	May 2025	June 2025	July 2025	August 2025	September 2025	October 2025
Orders	ZAM/2025/10/00001					
Complaints						REK/202...
Invoices		FA/2025/10/0...	■	FA/2025/10/000...	FA/2025/10/00004	

75% +

Note: this functionality requires no configuration. For new processes, the **Show related instances** button is displayed by default in the Info panel, but it can be hidden by clearing the **Related instances** checkbox for specific steps in the **Standard areas** tab of the field matrix in Studio. For existing processes, after migration, the button will be visible in processes where the Parent instance and Subworkflows checkboxes (now **Parent instance** and **Subworkflow instances**) were previously selected.

Key features available for related instances:

- **Timeline** – instances ordered by creation date and last modification. Users can change the time range (Days / Months / Years). On the first opening, the system automatically selects the Years range.
- **Process grouping** – the diagram is grouped by process.
- **Status coloring** – quick identification of active, successfully completed, and failed instances (positive and negative steps), with the ability to filter by instance status. The currently selected item is displayed in the brand color.
- **Application-scoped filtering** – when invoked from the application hub, the view is automatically scoped to instances from a single application.
- **Navigation** – ability to open a related instance while preserving permissions (the **Go to workflow instance** option) or preview it in the side panel (the **Show preview** option). These actions are available on hover and via the context menu.
- **Tooltips** – when hovering over a related instance, users with the appropriate permissions can view its details, such as its instance number, creation and modification date, as well as the form fields defined as distinguishers for the given process.
- **Zoom** – allows changing the timeline range (from years down to hours within a specific day).
- **On-demand loading** – by default, only directly related instances are displayed, with an option to load further related instances (the option is available in the context menu).
- **Data refresh** – manual refresh of the view without reloading the entire form.
- **Embedded view** – the related instance diagram can be embedded (for example, on a Dashboard or in the Outlook or Teams add-in) while retaining full functionality.

5.6. Editing Dashboard widgets in WYSIWYG mode

It is now possible to edit the text of certain widgets directly within the tile (inline editing). As a result, the dashboard designer can now edit text exactly where it is displayed on the widget and preview the changes in real time (without the need to save the dashboard and exit edit mode). Text editing in this way is available for the header of the **Start group** widget and the titles of widgets belonging to the **Reports** group [in each of these cases, the user can also provide a translation by clicking the translation icon (A^T) displayed below the edited text].

Additionally, the **Navigation grid** widget has been enhanced with the ability to arrange the widget's internal tiles using drag and drop. Changes made to the tile layout in this way are reflected in the widget configuration side panel.

5.7. Color theme configuration

Redesigned the Color theme configuration in the Portal (**Administration** → **Color themes**), providing a simplified and more intuitive interface for creating and editing themes without requiring detailed knowledge of styles or color definitions. The new color configurator is based on modifying a set of base colors (including **Brand color, Text color on brand, Background color, Text color**). These values are used to automatically generate a full palette of color variables applied across all areas of the Portal. Enabling the **Define custom palette** option in the brand color settings allows further fine-tuning of shades assigned to individual UI elements.

The screenshot displays the 'Theme configuration' interface. It is divided into two main sections. The top section contains:

- Theme name ***: A text input field with 'WBC Pink' entered.
- Theme description**: A text input field with 'Theme created for a new brand' entered.
- Theme type ⓘ**: Three buttons labeled 'Light', 'Dark', and 'Contrast'. The 'Contrast' button is currently selected.
- Three checkboxes: 'Is active ⓘ', 'Is default ⓘ', and 'Is embed default ⓘ', all of which are currently unchecked.

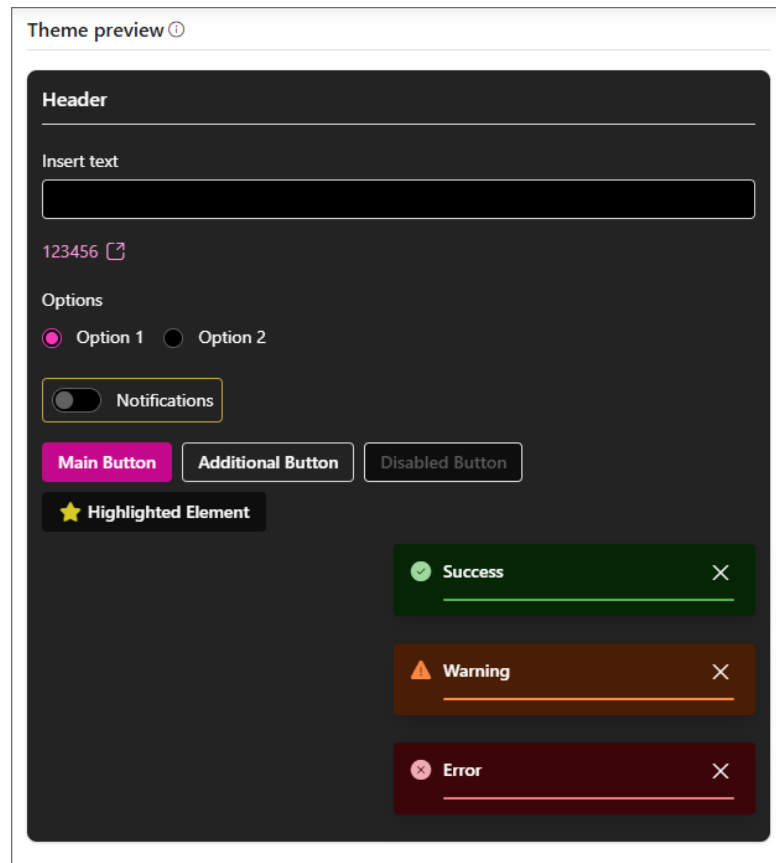
 The bottom section contains:

- Brand color * ⓘ**: A color picker showing a pink color with the hex code '#e50aa4'.
- Define custom palette**: A toggle switch that is currently turned off.
- Text color on brand * ⓘ**: A text input field with the hex code '#ffffff'.
- Background color * ⓘ**: A color picker showing a dark grey/black color with the hex code '#232323'.
- Text color * ⓘ**: A text input field with the hex code '#ffffff'.

The theme editing page has been extended with additional configuration options, including the ability to define:

- **Background counter color** (new tasks, active tasks, overdue tasks),
- **Status indicator color** (success, warning, error).

Theme preview has been added, providing a live view that enables immediate verification of the applied changes. The preview is not visible on narrow screens.

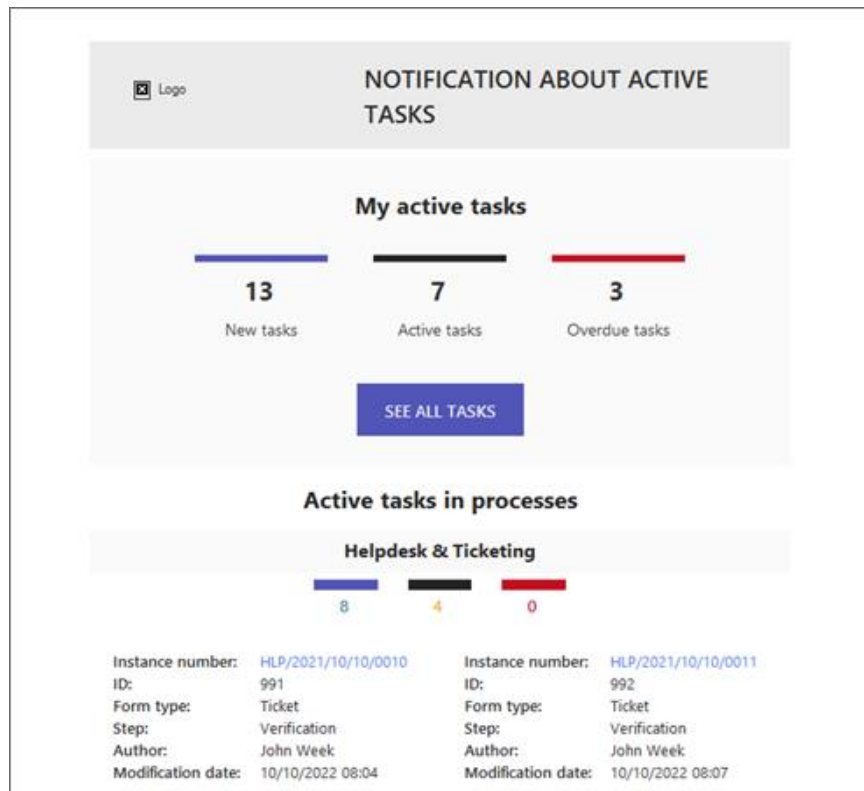


This functionality does not support the creation of rigidly predefined brand color themes — i.e., themes with fixed color values tied to a specific corporate identity. If such a theme is required, individual colors can still be customized via a custom CSS configuration.

NOTE: The previous color theme configuration has been removed, which may affect themes used previously. All areas of the Portal now use new variables and tokens aligned with the refreshed user interface. A large number of statically defined colors, previously independent of theme configuration and tokens, have also been removed.

In the theme configuration, only colors in the HEX format (e.g., #33ff11) are allowed. Additional validation mechanisms have also been introduced — the system no longer allows creating two themes with the same name. If a duplicate name is detected, a suffix such as (2) will be automatically added to the new theme.

As part of these changes, the colors in the default mass notification template have also been updated. The migration to the new design will affect users who rely on the default mass notification settings.



5.8. New Service Architecture

The architecture of the WEBCON BPS Service has been rebuilt. It now has a modular structure consisting of three separate processes, which means that in the event of a failure, the system automatically restarts only the malfunctioning module. The new Service architecture has been adapted to work with SDK add-ons based on .NET 9 technology which are triggered on transition paths by **Run an SDK action** (this does not apply to add-ons triggered on transition paths in dictionary and document template processes [importing such processes is not possible]).

Information about the Service configuration is now stored in the **appsettings.production.json** file (updated accordingly for this purpose), which is located in the WEBCON BPS WorkFlow Service directory. Additionally, the configuration method for the Prometheus metrics data exporter has been changed — the “URI” property has been moved from the Service’s **otlpsettings.user.json** file to the **modulesettings.service.json** file located in the **OldService** directory. The default roles assigned to the Service during the platform’s first launch have also been modified. Currently, unless they were previously defined by the user in the installer window, these roles are **Basic features** and **License service**.

As part of the project, logging of information has also been improved. For the module responsible for operations executed on a path transition and for saving a workflow instance, all information is now recorded in a single configuration database table, i.e., by default, **Infrastructure.Logs**. For module handling other

operations, the logs regarding its start are still stored — as before — in a date-stamped file located in the **ServiceLogs** directory.

The paths of temporary folders for **HotFolders**, **HotMailBoxes**, and **Archiving** functionalities have been shortened by replacing the full database name with its acronym. Additionally, the HotMailBoxes folder name has been shortened to **HMB**. The rules for processing (executing and saving) workflow instances by the HotFolders and HotMailBoxes modules have also been modified. Now, if the values inserted into form fields through HotFolders or HotMailBoxes do not pass validation, the system prevents the workflow instance from transiting a path. In such a case, the email or document sent via HotFolders is moved to the **Error** folder for incorrectly processed files.

The operation of the **Log all events** checkbox (Service configuration window → **Configuration** tab) has changed for actions executed based on **Timers**. Now, when this option is checked, the system logs information about successfully executed actions (information about warnings and errors is always logged regardless of this setting).

The system's behavior regarding values mapped to **Archival fields** has also been standardized. When the mapping is performed as a result of actions by the HotFolders, HotMailBoxes, or OCR modules, such values are no longer saved in the content database by the Service.

NOTE: due to the new modular Service structure, the way it is started has changed. Now, the process **WebCon.WorkFlow.Bootstrapper.exe** is initiated first, which then launches the remaining Service modules. This means that starting the Bootstrapper process does not necessarily mean the full Service is already running — the Service is considered fully started only when all modules have been activated.

- **Changes in the OpenTelemetry configuration**

Due to changes in the service structure and the extraction of three separate processes, the method of configuring the OpenTelemetry tool has been modified. As a result, the previous configuration from the file **otlpsettings.user.json** has been moved to **appsettings.production.json**.

For each of the three service processes, metric data (Metrics) is made available through a separate port or address.

- For the **Webcon.WorkFlow.Bootstrapper** process, the port is not defined by default. However, it can be configured by adding a **Kestrel** node in the previously mentioned **appsettings.production.json** file.

Example:

```
"Kestrel": {
  "Endpoints": {
    "Http": {
      "Url": "http://*:48448"
    }
  }
}
```

- For the **Webcon.WorkFlow.Module.ServiceModuleRunner** process, the default port is **48450**, defined in the **modulesettings.modulesOrchestration.json** file. This port can be changed by overriding the **serviceModuleRunnerPort** node in the **modulesettings.modulesOrchestration.Production.json** file.
- The **Webcon.WorkFlow.Service** process does not have its own port. In this case, metric data is sent through the default address: `http://localhost:9464`. Changing this address is possible using the file **modulesettings.service.Production.json**, which is located in the **OldService** directory.

NOTE: when changing the default address `http://localhost:9464` to another one, remember that the target address must be registered for the account under which the service is running.

Example:

```
{
  "service": {
    "Otlp": {
      "Prometheus": {
        "Uri": " http://localhost:9464"
      }
    }
  }
}
```

5.9. Telemetry expansion

The scope of traces collected from Portal and Service has been extended by including the database identifier tag "db.id". [This identifier corresponds to the database used in routing (Portal) or in the task context (Service), which means that, for example, in the case of an SQL query, such an identifier may differ from the identifier of the database in which the query is executed.] This new functionality now allows filtering data by a specific database directly in a visualization tool report, e.g., Grafana.

Additionally, the HealthCheck mechanism has been expanded and now contains information about the connection status to the SOLR database, the WCFLicenceService, and the WCFService. Due to this expansion, the structure of the **/health** endpoint data has changed. The previous node name **results** has been renamed to **entries**.

5.10. Change in image storage mechanism on dashboards

Introduced a new mechanism for storing images used on dashboards (in navigation widgets: **Description panel** and **Navigation grid**). Images previously uploaded from a device or computer are no longer stored directly in widget configurations but are now saved in a dedicated content database table (**AppPresentationImages**). A migration process has been implemented for existing dashboards to move images from widget configurations to the content database table. It is still possible to save links to images available online. To support a new architecture, image data handling and retrieval mechanisms have been optimized, resulting in better system performance and simplified management.

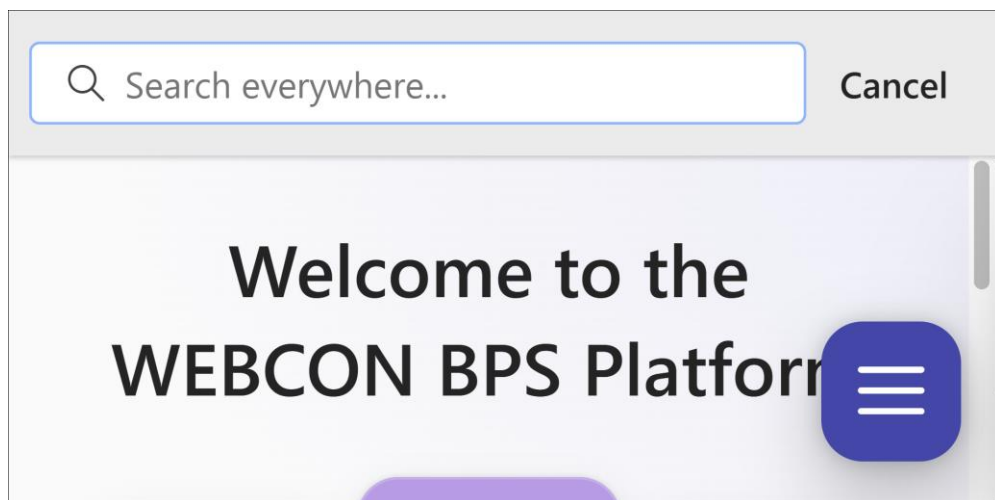
5.11. General

- Added support for communication with Google via Vertex AI API instead of the previous Gemini API. Introduced the ability to configure the Google Cloud region and project ID, with their values stored and retrieved directly from Azure Key Vault. Existing API keys for the models remain unchanged.
- Added support for logging in to Designer Studio in environments where the Portal is published via Azure AD Application Proxy with pre-authentication enabled. Login works for Studio installed through the installer and when logging in via WebView2.
- Updated the appearance and functionality of the **Tab list** control used in the Portal and Designer Desk.
- Extended LDAP synchronization configuration to include the ability to map group memberships. Added a new property, **memberOfMappedTo**, specifying where the group identifier corresponding to the user's **memberOf**

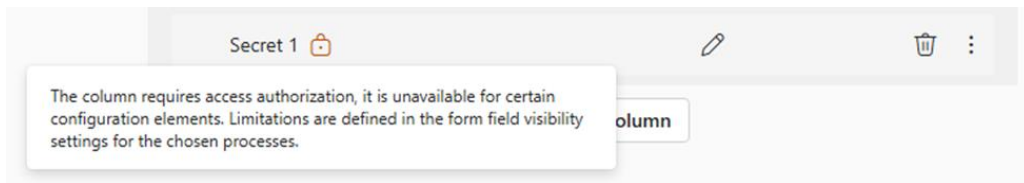
value is stored, enabling correct mapping of group memberships. Additionally, minor configuration changes were introduced – the number of required properties for mapping was increased and divided into two sections: for users and for groups.

5.12. Portal

- Adjusted and standardized the appearance of dialog boxes across Portal. Pop-up windows that appear while interacting with the form or elements of Portal have been improved in terms of height, width, and button placement.
- On small screens, activating the **Search everywhere** search bar will display it anchored to the very top of the browser window, with the Cancel button right next to it. Moreover, on mobile devices, the ability to scan and search values from a QR code has been added.



- The application selection menu now allows simultaneous searching by text and navigation through the application list via arrow keys. Previously, when the cursor was focused in the "Search applications..." search field, the Tab key was required to enable arrow key navigation; now, simultaneous typing and arrow key navigation are possible.
- For the **Access authorization** feature, it is now possible to add table **Reports** that contain columns requiring authorization to **Dashboards**. To facilitate this, columns requiring authorization can also be added to **Datasets** on Dashboards. Once added, the column's name will display an icon with a tooltip, indicating its special status.



Columns requiring authorization cannot be used by the **Filter** widget, and they remain unseen in the **Filter panel** configuration on Dashboards.

- Enabled row coloring based on a calculated column of the type **Indicator** in **Report configuration**.
- During an active **Access authorization** session, any filtering, grouping, and sorting applied to authorized columns is remembered. Returning to the report during an active session should restore these settings. Upon the expiration of authorization, filtering, grouping, and sorting settings applied to columns requiring authorization will be cleared.
- Added report access authorization session continuity. Upon returning to a previously authorized report, the authorization session timer continues from the initial authorization time.
- Refreshed the appearance of toast notifications sent by Portal (i.e., the green/red/yellow notifications in the upper right-hand corner).
- Several minor visual enhancements have been implemented in the Portal's appearance. This includes a refresh of the icons in the WEBCON BPS Admin Access login window and other locations in Portal, an improved look for the side panels in the Portal and the Designer Desk opened on the right, and a redesigned radio button icon. Furthermore, skeleton screens for various Portal components have been updated.
- Improved the visual design of the **Analytics** node's user interface, aligning it with the system's general design. This encompassed, e.g., changes to the header section in three reports (**Overview**, **Heatmap**, and **Performance Indicator**), updated appearance of the **Per process** and **In time** tabs (within the **Overview** report), and modification of individual components' appearance. Furthermore, a refreshed look was applied to the **Performance indicators** widget, available in the Performance Indicators report (the Analytics node), as well as from the **Info panel** or **Dashboard**.

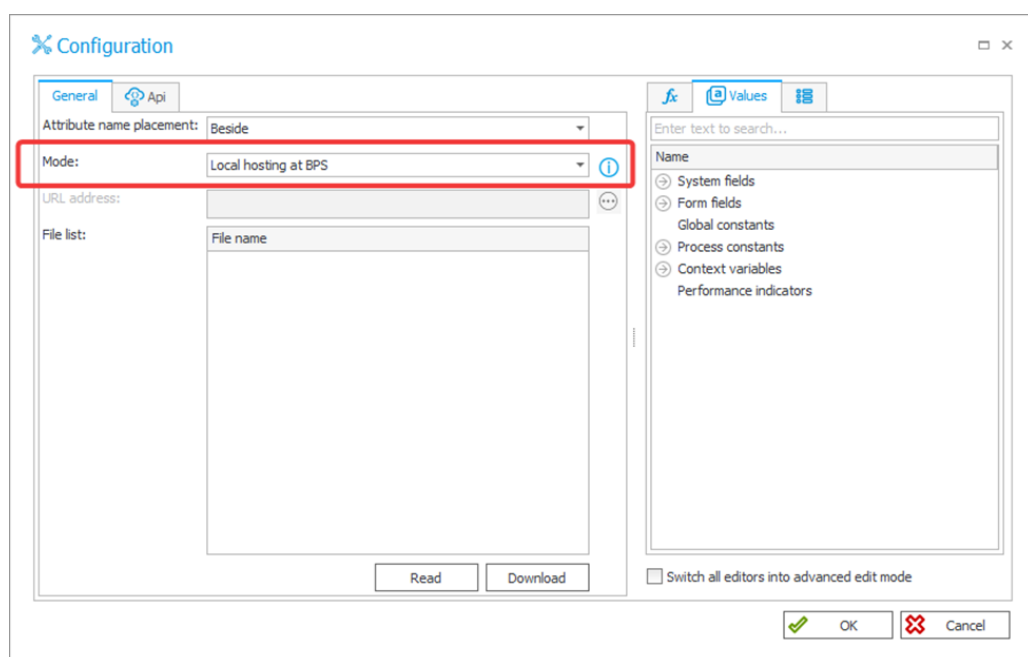
5.13. Form

- New JavaScript API methods have been added to WEBCON BPS forms, enabling full attachment support for Form Field Extensions. Previously, it was only possible to check whether attachments existed. The API now also

allows adding, modifying, overwriting, and deleting attachments, retrieving the full list of files, and dynamically showing or hiding the attachment section on the form.

- For the **Custom control (External)** form field, a new mode has been added that allows hosting the control locally within Portal. This serves as an alternative to the original behavior, where the control was hosted externally and displayed the content of a provided URL inside an iframe element.

The purpose of this form field is to enable the storage of data from external controls in the BPS database — and now, hosting of the control itself can also be performed within BPS.



The content must be uploaded as a .zip file, with a single entry point file named **index.html**.

Files can be placed in subfolders, and the link to the associated file should be in the following format: "folder_name/file_name" or "./folder_name/file_name".

The following file types are not allowed: .bat, .com, .dll, .exe, .msc, .msi, .msp, .mst, .ps1, .reg, .regs. Additionally, to enable integration with **User Defined API (API Definitions)**, an **API** tab has been added to the field's configuration. This allows the control to communicate with endpoints defined in the API Definition through JS API. The list of available API definitions is limited to those that are active, have OAuth authentication enabled, and those that have been explicitly selected beforehand.

5.14. Designer Studio

- Improved **ProcessBuilder** architecture, now acting as an **AI Agent**, selecting specialized tools (DesignWorkflowTool, DesignDataModelTool) for task execution. Introduced two operation modes: **General**, for creative solutions, and **Specific**, for precise operations. Enhanced tool specialization, thereby improving the accuracy of generated commands.
- Added the ability to change icons for form menu buttons and groups of buttons (action configuration window → **Actions list** → **Menu button**).
- A new **API definitions** node has been added to the **System settings** tab. This new node provides **System administrators** with a view of all registered **UDA** endpoints.
- Added the ability to share a complete history of selected processes with designated users. A **Full history access** checkbox has been added to the process' **Permissions** tab. To view the complete history, users granted such permissions must also possess administrative privileges or access to process instances.

5.15. Mobile app

- The dialog window for sound file recording/playback in the mobile app is now unified with the browser's window.
- Updated mobile interface appearance, reflecting modern mobile app capabilities. Replaced the top menu with a sliding bottom sheet menu and gestures.
Scrolling upward refreshes the app, replacing refresh button functionality; similarly, returning to the previous screen can be activated via a left-to-right swipe, replacing the **Back** button.
The **Connections** menu has been relocated into the user menu; most expanding menus are now displayed via upwards-sliding bottom sheet.
- The dialog window for the camera and QR code scanning in the mobile app will now be unified with the browser's window.

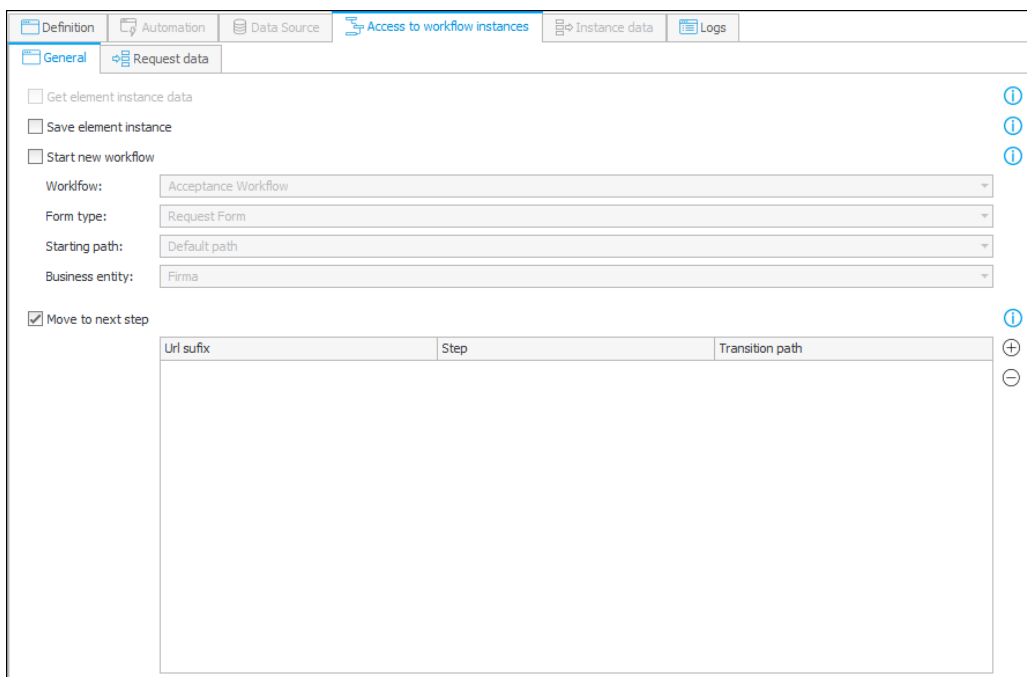
5.16. API & SDK

- Improved the OpenAPI documentation generation for the **API Definitions** (UDA) module by adding parameter descriptions, streamlining the system integration process.
- Added URL API AI Proxy versioning.
- The **User Defined API** (UDA) mechanism has been expanded to include a new **Running mode: Actions on a workflow instance**, which can be used to

start and save a workflow instance, and to move it to the next step using a path.



After selecting the Actions on a workflow instance mode, the configuration and mapping are available in the **Access to workflow instances** tab. This tab now allows configuring both retrieval (subtab **Instance data**) and sending (**Request data**) of data and attachments. Furthermore, support for the new field type **[System] Comment** has been added.



6. Bug fixes

6.1. General

- Added the ability for users with **Read-only** privileges to download the **Access activation code** on the client card in the license activation service. Previously, only users with administrative privileges were able to download the code.
- Improved installer service activation functionality. Previously, the installer prevented **Single-Use Access** license activation without an internet connection. Now, the installer correctly saves the necessary information, enabling offline license activation.
- Fixed an issue on the user synchronization configuration screen in the WEBCON BPS installer. In environments without a connected database, the **Save** button is blocked, and after providing a correct database configuration, it is enabled and the synchronization source view is refreshed.
- Improved the display of maintenance mode message during database updates. Previously, the **Maintenance mode** message wasn't visible when updating WEBCON BPS, leading to HTTP 500.30 errors.
- Improved application stability by eliminating memory leaks in several key components, including document objects (Aspose.PDF and Aspose.Cells), Bitmap/Image, MemoryStream, HttpClient, email messages, and Microsoft Graph interfaces.
- Implemented **Rate limiting** mechanism for OpenAI and Gemini LLM method invocations.
- Fixed a bug that prevented enabling maintenance mode when updating the content database from the 2022 version and earlier ones.
- Improved the operation of recalculating privileges and tasks after the end of a substitution. In the case of an expired or deleted substitution, when the option **Leave automatically delegated tasks after substitution expires** is disabled, the tasks are deleted and the user loses privileges in the workflow instances for which they were a substitute. However, if this option is enabled, the task remains assigned, but the substitute retains only read privileges. Additionally, the administrative view of the form privileges has been updated with information that a given privilege comes from a substitution, which allows for unambiguous determination of its source.
- Improved event log entries regarding document indexing errors in SOLR. Previously, when an attachment required for indexing was unavailable in the

database, the system logged an error as **SOLR indexing failed**. Now, the entry has been altered to **SOLR indexing skipped due to missing attachment**, providing a more specific description of the situation.

- Fixed a migration script that caused an error during software update. The problem was that the script incorrectly handled multiple translations of the same item for different languages. The fix resolved the issue, ensuring that the script would work correctly for all languages, eliminating any potential duplication of translations.
- Fixed the **Import-Export** mechanism bug, which caused incorrect values for archive and attachment databases to be inserted when importing applications via **API**.
- Fixed an issue in the application import mechanism by securing the log list against multi-threaded access. A lock was added to prevent concurrent read and write operations, and an additional safeguard was introduced to ensure that, in case of a problem, the import process switches to the standard error handling path.
- Fixed an issue with the configuration of **Reports** created via both the Portal and Studio. Restored correct functionality of the **Close** button for table reports, dictionary reports, and document templates. Enabled selection of the **Form type** in dictionary reports and document templates without the need to save the report first.
- Improved portal certificate generation for Portal-Service communication. Previously, a problem existed where, despite full certificate creation in memory, it might not have been correctly utilized.
- Improved installer logging during attachment database creation.
- Fixed incorrect behavior of the BPS group member management mechanism. In the event of a user, part of a BPS group and having a BPS ID with mixed-case characters, such as user.test@SPOT.LOC, being added to another group, this resulted in the removal of some users from the target group.
- Enhanced database diagnostic tool, allowing better detection of irregular prefixes in configuration database table columns.

6.2. Portal

- Fixed a bug that occurred when searching in an SQL report. The issue appeared when a user initiated a search from the **[System] Assigned to** column, which—although included in the **Search panel**—was hidden in the report **View** configuration.

- Fixed a bug that caused incorrect button name truncation within the **Edit user** and **Edit group** sidebars (**Admin panel**).
- Fixed an issue where, after changing and entering a new phrase in the search box on the search results page, the suggestion window remained visible and the scrollbar was not reset to the top.
- Fixed a bug where the dropdown list in the **Substitute** form field (part of the **Substitutions** functionality) did not display any items. The issue was caused by incorrect data loading from the **Custom business structure** data source, which occurred when the data source used the **<Current BPS database>** connection.
- Fixed an issue with SOLR search not handling the "-" character correctly when searching for instance numbers.
- Changed the background blurring behind pop-up windows that appear during **Dashboards** configuration to reduce resource consumption.
- Fixed an issue with saving the view of the **Report** after returning back to the view from the instance form.
- Fixed a bug where the screen informing about missing privileges for a given application did not display the data of the user attempting to log in. The issue occurred when the user was not listed in the WEBCON BPS platform.
- Restored the ability to use calculated columns as a filter in the **Data source** URL parameter within **Report** configuration. Previously, a bug caused calculated columns to be unavailable in the Report configuration, even though filtering worked correctly when the parameter was manually provided in the URL.
- Fixed a bug where the SQL report exported to Excel contained extra information (**Name and surname, Date and hour**) in the **[System] Last comment** column. This occurred even though the column was configured to show only **Comment content** in the **View** tab.
- Improved the barcode printing functionality in the **CLOUD** installation (Webcon Apps). The system now ignores inactive Portal replicas, allowing labels to be printed even when one of the replicas is unavailable.
- Fixed the behavior of the filter based on the system column **Created date** (dashboard → **Filter panel**). When filtering the dashboard by a date scope, the results now also include the last day of the selected interval.
- Fixed a bug where the exported Excel file did not include the report sorting defined by the user.

- Improved the filter behavior in the SearchIndex-based report for **Choice field** columns. Searching in the **Starts with** mode now returns correct results as soon as the first characters of the phrase are entered.
- Fixed a bug that caused incorrect display of **Item list** column names in search results when using the **Search everywhere...** field. Instead of showing the column display name, the system showed the database column name.
- Fixed a bug that occurred when displaying a report of the **Dictionaries** or **Document templates** type. The issue appeared when a **Row color** had been configured for a hidden calculated column.
- Fixed incorrect **Step** name display in the **Info panel**. As a result, Step names were truncated using an ellipsis, when names did not fit within a single line. Now, the Step name is presented in two lines under such conditions. (If the name still exceeds two lines, an ellipsis is added at the end of the second line).
- Fixed bug which occurred when launching the full-screen mode for the **Vacation schedule Widget** embedded on the dashboard.
- Fixed report visibility on dashboards. Reports created from existing reports or migrated could be invisible on dashboards when their source report had custom permissions. Reports embedded in dashboards now inherit visibility from the application, so they are visible to any user with access to that dashboard. Permissions for instances remain unchanged.
- Fixed a bug that caused the email delivery action date in the instance **History** to be displayed in an incorrect format (MM.DD.YYYY) when the configuration database language differed from the content database language.
- Fixed the behavior of the **Absence chart** based on a custom organizational structure. Users outside this structure who have the appropriate permissions can view absence data in the chart in the **Report**. Visibility now depends solely on permissions, not on membership in the structure.
- Fixed a bug occurring when clicking the **New** button within the **Dictionaries** report context. The bug appeared when the report configuration lacked required parameters. Currently, previous system behavior was restored. As a result, it is no longer required to specify individual elements, such as **Process**, **Form type**, or **Workflow**, in the **Instance start buttons** section (the **View** tab of the report configuration window). Now, when such an element is missing in the configuration, a window is displayed on clicking the New button which allows users to select it.

- Fixed grouping bug in tabular reports based on the **SearchIndex** source. The bug appeared if the report columns contained values with leading or trailing spaces. In such cases the number of rows indicated in grouping results did not match the actual number of rows displayed after selecting a given result.
- Reduced the size of telemetry traces to prevent exceeding the default 5 MB limit in Grafana Tempo, eliminating the "TRACE_TOO_LARGE" error. The fix includes removing redundant data from traces, such as detailed cache refresh information.
- Fixed a display issue with **Report tiles** on dashboards. Zooming the view beyond 150% resulted in incorrect dashboard layout, even after resetting the zoom to its original setting (100%).
- Fixed the selection area in the calendar that opens after choosing the **Custom** filter in the **Heatmap** window. The bug involved incorrect display of the underline when selecting a day, as well as misaligned digits when selecting a date range.
- Fixed an issue where the clickable area of the **Start** button extended below the button itself. As a result, clicking below the button would start the workflow instance but would not close the **Start instance** window containing the button.
- Added a margin and standardized the shadow for **Access authorization** buttons.
- Fixed a bug causing incorrect display of previous form versions. The bug resulted in displaying form fields visible in the current step, instead of the fields configured as visible in the selected step, when navigating to the **History** of an instance and opening a form version from a specific step.
- Fixed the Portal telemetry malfunction, which was incorrectly logging individual request processing stages. Improved tracking mechanism now provides a complete and consistent record of the process, enabling better problem diagnosis.
- Improved the **Application supervisor** widget behavior. Now, the user's profile photo within the widget dynamically resizes with the widget's width changes.
- Fixed a bug that occurred when opening **Reports** and entering "###" or a phrase containing "###" into the **Search everywhere...** field.
- Fixed the issue preventing the update of the parent workflow after a task completion in a related subworkflow by a user with a **Single-Solution Access License**. This occurred if the user lacked permissions to the parent workflow located in a different application than the subworkflow.

- Fixed a bug that resulted in the first path transition date in the **History** of an instance being set for both the first and second transition. The bug occurred after archiving the instance and resulted in shifting the path transition dates throughout the History, making the actual last path transition date completely invisible.
- Fixed a bug that occurred when attempting to group a Report by the **[System] Workflow** column. The issue arose when the data source included a filter containing a **Choice field** and **Person or group** form fields belonging to different workflows.
- Fixed the display of tooltips in the dashboard data source configuration window. Due to a bug, tooltips in the configuration window of a newly created data source for a report were shifted to the left, making them difficult to read.
- Fixed an issue with NULL values in report data grouping during application import. The issue occurred when a private view utilized a column removed during import.
- Resolved a display issue with a **Vacation schedule** added to the **Dashboard** using the **Add existing report or report file** button. Due to the bug, the schedule would not appear after exiting edit mode.
- Fixed an issue with displaying reports on dashboards. Previously, switching between dashboards from different content databases resulted in errors.
- Fixed incorrect system behavior when saving custom folder visibility settings. Due to a bug, newly granted folder access permissions were removed after clicking the **Save** button. These permissions were then restored after adding and saving permissions for other users or groups.
- Fixed the behavior of the report filters. Previously, switching between the **Starts** and **Contains** filtering modes did not refresh the search results. After the fix, changing the mode now refreshes the result list.
- Fixed a bug where the **Add to favorites** button was not displayed when a large number of items had been added to the **Favorites** list.
- Fixed a bug encountered when displaying the task counter in an embedded element. Previously, attempting to open a link within this element returned a 404 error.
- Fixed the search issue in the **Search Everywhere...** feature, which occurred when a special character was present in the search query.
- Fixed an issue where hovering over the action name in the **Instance history** did not highlight the action in blue and underline it.

- Fixed an issue where the bottom of the calendar report in **Month** view was cut off on smaller screens - added a vertical scroll so that all calendar content is now accessible. Additionally, in **Week** and **Work Week** views, improved handling of parallel events - a maximum of two are displayed, and the rest are accessible via the **Show more** button.
- Fixed 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.
- Improved the loading performance of the **My tasks** tab after applying the **New** filter on the BPS Portal.
- Fixed an issue that occurred when switching to a different **Report** view and rapidly clicking the target view's name multiple times before it finished loading. As a result, the opened view would display without any data.
- Improved the focus mechanism in the **Report** table on Portal. Previously, after removing a column from the report, the user was redirected to the first column. With this update, the user will now be redirected to the column preceding the one that was removed (or to the next column if the first column is removed).
- Fixed the "Cannot read properties of undefined (reading 'original')" error that occurred after deleting the last button in the **Description panel** widget on the application dashboard.
- Improved filter list behavior in the report. After selecting and applying a filter, the list of values no longer automatically scrolls to the top. Upon reopening the dropdown, filters appear in the list at their original positions.
- Fixed an issue where changes to an application's icon and color were not immediately reflected in the tiles of its items in **Reports**.
- Fixed an issue where the **Quick path** icon was not displayed on the toolbar in the **Report** view to the right of the feature name.
- Fixed JSON field scaling issues in full-screen mode when configuring column coloring on a report.
- Fixed incorrect attribution of editing time in analytical reports. The update resolves an issue where the time spent editing a form was being assigned to users from the previous step instead of those currently assigned to the task. Now, the times are correctly attributed to the users involved in the given step.
- Fixed an issue with chart display for pie and donut charts when data is missing. Previously, missing data caused display errors, such as "e.data.datasets[0] is undefined" or "Cannot read properties of undefined

(reading 'backgroundColor')". Now, charts are correctly displayed as empty without errors when data is absent.

- Fixed the flickering issue affecting the **Filter** widget embedded on the dashboard. This issue occurred when using custom zoom levels (Firefox 80% and Chrome 75%) in the browser.
- Removed UseWindowsAuthentication and ForceHttpsOnProxy flags from Portal configuration.
- Unified validation of choice fields on the form. Inconsistencies between how the Service and Portal handled unvalidated values potentially led to errors. Now, the service prevents the saving of unvalidated values.
- Improved filtering performance based on the **Value filter** in **Report** columns containing multilingual **Choice fields** by optimizing the SQL query, what prevents timeout errors during search.
- Fixed a bug where setting the **Active tasks** option in the **Assignment filter** field caused additional instances with historical tasks – not located in the final workflow step – to be incorrectly displayed on reports. The bug occurred only in reports based on the **SearchIndex source**.
- Restored the addition of the **returnUrl** parameter to the instance address when launching a new workflow instance via a fully defined **Start** button (with a specified process and workflow) from the navigation menu. As a result, users are now returned to the previously opened view when clicking the **Back** button on the form.
- Restored the ability to switch to private views in **Reports** embedded in **Dashboards** via the **HTML code** widget. To enable view switching for users, the option **Allow changing view** must be selected (**Settings** → **Embed**).
- Improved handling of substitutions in the **Working on behalf of substituted person with full access** mode. It will not be possible to create a substitution for a user whose account is not synchronized with the system. A corresponding message now appears when selecting this mode – the system requires that the user exist and be active.
- Improved the execution time logging within the diagnostic session. Previously, incorrect textual values were displayed instead of the correct time values.
- Fixed the bug encountered when attempting to input text in the **Report** column's **Value filter**. The bug occurred when a user entered text while the system was loading available filter values.

- Improved Gantt chart display for leave Reports. Previously, applying a filter to individual users on the "Whole Company" view and switching to the "Me and my subordinates" view resulted in displaying leave data for filtered individuals that should not have been visible.
- Fixed searching by identifier (GUID) in **Choice fields** using BPS sources containing **Item list** columns from other processes.
- Fixed the issue preventing the export of process packages containing translations. This problem occurred when a dashboard-embedded **Report file** lacked a configured header or footer.
- Fixed a bug that occurred when attempting to save the changes history for the **Item list** form field. The issue appeared when the user's Portal language was set to Swedish.
- Fixed incorrect support for user dates and time zones in Portal. Previously, there were issues with date display and conversions, particularly for dates before 1970 and between 1940 and 1942, due to incorrect accounting for historical daylight saving time changes. Switching to the IANA standard resolved these issues, ensuring correct date display and conversion across all time zones.
- Fixed an issue that caused the navigation panel in Portal to disappear after importing applications containing configured **Start** buttons.
- Improved performance of the **All Active** report in the substitution configuration. Optimized database queries, eliminating the possibility of timeouts and fixing a bug.
- Fixed incorrect message display (in the upper right corner) when searching for an instance. Previously, the error message displayed an incorrect ID.
- Fixed incorrect display of all-day events in the "Week" view for **Calendar** reports. Previously, these events weren't displayed. Furthermore, the header of all-day events has been modified to maximize calendar space.
- Fixed incorrect calendar agenda view date and time display. Full-day events now show date ranges, and times are displayed as tooltips when hovering over the date. Single-day events remain in the previous format. These changes apply only to the agenda view, due to space limitations.
- Fixed incorrect display of multi-day events in **Calendar** reports. Previously, events starting or ending mid-day incorrectly displayed the **All day** row in **Day** or **Work week** views, showing the event as all-day even though it was shorter.

- Fixed incorrect display of the application **Creation date** in the filter under **Analysis** → **Suggested** on the Portal. In certain time zones, the date was shifted one year back.
- Fixed a bug where, despite selecting the **Dynamic** option (**Rows per page**) in the dashboard **Report** configuration, the number of rows wasn't adjusting to the current report window size. The issue occurred if the report was initially displayed within a dashboard window and then opened in a separate window.
- Fixed incorrect task filtering in the **Active** list under the **My tasks** view. Removed an unnecessary filter that previously limited the view to tasks assigned directly to the user. Tasks assigned to user groups are now also displayed correctly, in line with the task counter.
- Improved remembering access authorization on reports. Authorization remains valid after navigating to a different element and returning to the report.
- Improved dashboard configuration support. This fix allows the dashboard to display correctly even when some configuration fields are empty. Previously, if the data saved in the configuration was incomplete, the dashboard might not display the content correctly.
- Fixed a bug issue causing extra, unselected (or unavailable) options to appear in the **Search panel** when using a **SearchIndex**-based report configuration. The problem appeared when an **SQL** data source was previously saved for the report, and then changed to SearchIndex.
- Fixed incorrect display of the search page when selecting a filter with a **Global field**. Previously, selecting such a filter would cause an error and the page would crash. Now, the page works correctly, and the selected filter is correctly reflected.
- Fixed an issue where it was possible to assign **Substitutions** using the standard registration form, regardless of whether the Substitutions functionality was turned off or managed through a dedicated application.
- Improved **Report** filter functionality. Now, changing the filter immediately cancels the previous filtering query, smoothing out how the Report works.
- Fixed incorrect display of values in multilingual **Global fields** of the **choice field** type on a SOLR report covering multiple processes. The issue was caused by inconsistent field configuration, which prevented correct rendering of values in columns and grouping.

6.3. Form

- Changed the behavior where, if the user did not have a manager, the form field returned the value **{USERMANAGERFULL}** instead of an empty string.
- Restored visibility of the percent sign (%) in the **Gauge** and **Circular progress bar** widgets when the **Show as % of expected value** option is selected.
- Fixed an issue that prevented setting an empty value for the **Choice tree** form field both in **Form rules** executed by value changes and in the JavaScript API.
- Fixed an issue where the focus was automatically put on the **Attach existing** button in **Local attachments** column of the **Item list** form field after the column editability changed. This caused the form to scroll unexpectedly to that column.
- Improved the visual appearance of section separators in the user interface.
- Fixed incorrect display of column translations in the **Data table** form field. This fix resolves an issue where the original column name was displayed instead of the translation when the user interface language was different from the database translation language. The correct translation is now displayed regardless of the language setting.
- Fixed a bug affecting the **Choice list** field when the **Show field to type answer** option was enabled and the field was set as required in **Field matrix**. This allowed end-users to select a custom answer option and move along a transition path without providing the required answer.
- Fixed link behavior in form field description tooltips. Previously, the **target="_blank"** HTML form field was automatically removed, preventing links from opening in a new tab. It is now allowed in tooltips for form field descriptions, ensuring consistent behavior.
- Fixed incorrect display of views in the **Report** form field. Previously, the displayed views could originate from another report in the application. These changes ensure that the list of views is now correctly retrieved according to the configuration of the given form field.
- Fixed the bug where the sum from the **Item list** column was copied to the form field, despite that column or the entire Item list field being set as not visible in the **Field matrix**.
- Fixed the bug in importing data from Excel file into **Choice field (picker)** and **Autocomplete** columns. Due to the bug, despite the validation error displayed during the import, the values, which were not matched with the

values existing in the data source, were inserted in the aforementioned columns.

- Fixed the bug preventing retrieval of values from the **Item list** column that was hidden (on the **Field matrix** or through visibility restrictions) and inserting them into a different target list column. This issue occurred when attempting to retrieve such a value using the **Change value of single field** action.
- Fixed a bug that occurred when deleting an instance using the **Delete** button (form menu). Due to this bug, the **Recent activities** report displayed the user who last performed a path transition as the person who deleted the instance, instead of the actual user who performed the deletion.
- Modified the focus behavior when deleting rows in the **Item list** form field. Now, deleting a row sets the focus to the **Add** button. If the Add button is not visible, the focus shifts to the last row in the Item list; if the list is empty, the focus is set to the entire list.
- Fixed the bug where clicking the **Sign out** button, available in the **OAuth2 Authentication** form field, did not log the user out. This problem occurred with large (> 4096 bytes) cookie files containing the authentication token.
- Fixed an issue with returning **Item list** rows when the list was hidden on the form in the first step of a path. Previously, the List was not read in the first step and rows became available only after reprocessing. The system now correctly returns the Item list on the first execution.
- Fixed a bug where clicking anywhere in an **Item list** row opened the edit window. The issue occurred when the **Single row editing** checkbox was selected.
- Fixed an issue with the chart loading icon. When reloading a chart, an incorrect icon was shown instead of the loading animation.
- Fixed incorrect handling of **OAuth2 Authentication** type form fields when the form contained multiple OAuth2 fields linked to the same source. Now, all fields using the same source are refreshed regardless of the scopes.
- Fixed an issue where attachments from signed email messages were corrupted after being added to a form via the HotMailBox functionality.
- Fixed a bug affecting the function that inserted the sum from an **Item list** column into a specified form field. Due to the bug, the digit 0 was not inserted into the form field when the Item list had no rows.
- Resolved an issue preventing loading the **History** of archived instances. Improved data validation by adding NULL handling to translated Item list column values.

- Fixed alignment and text color in the **Multiple lines of text** form field in read-only mode. Ensured proper inheritance of styles, including coloring rules.
- Fixed a bug that caused the message "Not found" to be displayed after expanding the value filter from the column context menu on the **Report** form field.
- Fixed a bug that prevented width constraints defined in the **Width** field (in the column configuration window) from being respected for **Item list** columns. This issue affected **Single line of text** and **Calculated text value** columns, causing them to expand when non-breaking character strings were inserted.
- Fixed an issue where information about privileges to an instance was missing when assigning substitutions. The "SEC_UpdatedBy", "SEC_CreatedBy", and "TSK_UpdatedBy" columns are now filled correctly.
- 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 causing images to display incorrectly in the **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.
- Added a scrollbar to the tooltip displaying information about actions performed in the instance **History**. Previously, the missing scrollbar made it impossible for users to view the full history when the list of actions was long.
- Expanded the time display format in tooltips for instance **History**. As a result, seconds are now shown in addition to hours and minutes.
- Optimized the behavior of the horizontal scrollbar across the entire BPS Portal for Chromium-based browsers. Its visibility and width have been increased to improve navigation in tables with a large number of columns.
- Fixed incorrect display of values in the **Autocomplete** column. A redundant new row was being added when a long value was entered into the column.
- Fixed the bug causing the form page to continuously load after selecting the next step transition path. This issue occurred when a **Form rule** checking data validity in a text form field was invoked after changing its value, and the user subsequently attempted to proceed along the path after correcting the data.
- Fixed styling of tooltips in the **Info panel** that display HTML from the **Description** field in step configuration. Ensured consistent font size (14 px) and proper line

spacing, resolving the issue of overlapping text when large font sizes were used.

- Fixed an issue that caused incorrect behavior of the tooltip defined for a **Widget** type form field. Due to the error, the tooltip was not displayed when hovering over the **(i)** icon next to the form field, but instead appeared when hovering over the area to its right.
- Fixed an issue occurring in the Safari browser where, on the form for adding voice memos, users with defined attachment categories would see an unnecessary horizontal scrollbar when selecting a category with a long name.
- Fixed the filtering bug in the **Report** displayed on the form via the **Report** form field. The bug prevented the Report filtering by the **[System] Step** column from narrowing down displayed items, even when a specific step was selected. This occurred if the **All** option was selected in the **Process** field (**Source** tab) of the data source configuration.
- Fixed an "Unhandled exception" error that occurred when expanding the instance's **History** when there was a missing parent instance. A safeguard was added to prevent such errors.
- Fixed an issue where the attachment date in the **Email conversations** tab was not displayed on small screens (< 14"). As a result, if the date does not fit on the screen, it will now be displayed below the email address.
- Fixed a bug that caused text to be selected and deselected when resizing columns in the form fields: **Item list** and **Data table** within forms displayed in Safari.
- Fixed a bug where the **Export** button was not displayed in the upper bar of the **Item list** form field, even when the **Allow Excel export** checkbox was selected in the form field configuration. The issue occurred when the Item list was displayed in the read-only mode.
- Fixed a bug in **Form** initialization that occurred when **Business rules** referenced non-existent elements (e.g., other Business rules). Due to the bug, no form fields were visible on the form.
- Fixed a bug in the **Item list** that prevented users from switching from one **Floating-point number** column—when it was used as a variable in a **Calculated floating-point value** column formula—to another Floating point number column using the tab key.
- Enabled the option to add multiple attachments at once to the **Local attachments** column on the **Item list** by holding CTRL and selecting files. The

option is available when the **Allow adding more than one attachment** checkbox is selected in the **Advanced configuration** of Local attachments.

- Improved loading performance for the **Item list** form field. Previously, enabling the **Single row editing** mode and importing a large number of rows (> 500) resulted in slow form field loading.
- Changed the behavior of the **AddNewElementLink** in **Choice field** columns in **Item lists** so that values from list columns are correctly mapped when opening the form for adding a new instance. Improved handling of variable tags ({{...}}) ensures that data passed to the form is now correctly resolved.
- Fixed an issue with styling form field groups on the form. Group names are now correctly displayed in bold.
- Fixed incorrect display of the **Data Row** column on the **Item list**. Previously, the text in this column was displayed incorrectly, occupying only a portion of the available space.
- Fixed an issue that caused a form deadlock when adding rows to an **Item list** using a form rule invoked after callback.
- Fixed an issue with delays during **Item list** initialization. Previously, coloring rows of the Item list caused a significant delay, noticeable when retrieving data from data sources. Enhanced logging was added, enabling tracking of query and internal operation execution times.
- Fixed a bug that occurred when attempting to set 2:00 AM on October 26, 2026 (during the transition from daylight saving time to standard time in the relevant time zones) in the **Date and time** form field.
- Fixed a bug that occurred when attempting to change the value of a **Choice field** operating in **Dropdown** mode within an instance belonging to a parent workflow using the **Change value of single field** action. The bug occurred only when the action was triggered by a **Timer**.
- Fixed an issue that prevented the default value of the **Yes/No choice** column on the **Item list** from being set when it was hidden in the previous step. The column now correctly accepts the default value, and a hidden column is no longer overwritten when passing through the workflow path.
- Fixed incorrect display of the **Menu button** in the form's top menu when no actions were defined for it.
- Restored the ability to change the size of the **Multiple lines of text** form field in read-only mode.

- Fixed a bug where links to subworkflows with long instance numbers were not fully displayed in the **Info panel**. Such links are now properly wrapped. Additionally, spacing between multiple subworkflow links has been improved.
- Fixed an issue that prevented the deletion of selected values in a **Choice field** in **Popup search window** mode with the **Allow multiple values** option enabled.
- Fixed a bug that occurred in the **OCR verification** step when attempting to save or proceed to the next step. The bug appeared when the respective process was modified and saved while working on the form. Currently, a standard notification regarding process configuration changes is displayed in such scenarios.

6.4. Designer Studio

- Fixed a bug concerning incorrect value substitution for a variable in a **Single line of text** form field within a Word template. This bug occurred when the form field's name translation exceeded 234 characters.
- Fixed a bug that occurred when importing translations from an Excel file. The issue appeared if the target environment contained empty **Business rules**.
- Fixed a bug that caused incorrect assignment of tasks to BPS group members when the system referred to user information stored in multiple databases.
- Fixed a behavior that resulted in the **Null reference** error when reconnecting the beginning of a path in the **Workflow designer**. This issue affected paths where an automation containing the **For each** operator was defined.
- Fixed a bug that caused application export reports to incorrectly indicate the export of the **Presentation** layer, even when both the **Presentation** node and its master application node (the **Exported applications and processes** field) were unselected. Additionally, fixed an issue where the application import mechanism selected presentation layer elements for removal, even if they had been unselected during export. Furthermore, improved the behavior of the export mechanism when exporting reports contained on the **Application home** page.
- Fixed a bug that prevented the delivery of mass notifications when the notification configuration used the **SQL COMMAND** function to exclude specified users from the recipients.
- Fixed an issue preventing access to **Item list** column variables within the **Expression editor** variable library. The problem occurred when opening the

editor from the **Acceptance** tab (configuration window for the step → **Forms** → **Main Form** → **Item list** button in form view).

- Fixed a bug causing incorrect logging of errors that occurred when executing **Business rules** utilized in mass notifications. This issue was triggered when a defined rule included curly braces "{" and "}".
- Fixed the import mechanism for the application's home page. Due to the bug, modifications in the home page structure, such as the layout of **Start** buttons, were not imported correctly.
- Fixed the application import bug. Deselecting and then reselecting the **Application home** node during import previously triggered an error. This occurred if the imported application lacked any items, such as reports, dashboards, **Start** buttons, under the **Configuration** node.
- Fixed the import of e-mail templates. The error caused the template translations to not be removed correctly.
- Fixed a bug that caused excessive saving time for application configuration changes. This issue occurred only during the first save after opening Designer Studio.
- Fixed a bug that appeared on SOLR reports. Previously, importing a **Document templates process** with the **Replace all instances** option enabled resulted in the report displaying both the replacing and replaced elements.
- Fixed the bug causing incorrect sorting of values in the **Choice field** operating in the **Dropdown** mode. Previously, values in this form field were not sorted alphabetically, despite the **Sort by Display Field** option being selected.
- Improved validation of the user-defined **Alternative application address** to ensure they differ from the current Portal address (preventing their configuration otherwise).
- Fixed a bug that caused incorrect filtering of the user and group synchronization history. The bug prevented filtering by the **Status** column.
- Modified the title and content of the final item in the **Comprehensive training program (Additional courses)** section on the Designer Studio homepage. The item is now titled **Expert courses** and includes details about specialized trainings.
- Removed an incorrect translation of the German version of the user interface for Microsoft Entra ID authentication providers. Previously, the fields "Application ID" and "Tenant ID" were incorrectly translated as "Kunden ID" and "Client Secret," respectively. They will now use the original English proper names consistent with Microsoft Graph – "Application ID" and "Tenant ID".

- Improved the log creation process for import/export of translations. Import/export of translations in Designer Studio will no longer generate entries in Event Viewer.
- Fixed a bug related to adding privileges to **Form types**. Due to the bug, when privileges were added to a specific individual or group and privileges for another individual or group were removed, the added privileges were not saved.
- Improved user and BPS group creation handling. Previously, attempting to add a user or group with an existing BPSID failed. Now, the action succeeds, and the system indicates that the provided BPSID is already in use. Furthermore, during synchronization, if an existing user from the data source had the same BPSID as a newly created group, the user from the source now takes precedence.
- Fixed a bug that allowed the **COS_ID** column to be selected in the configuration window of the **Choice field** filter, even though it had not been added in the configuration of the data source feeding that form field. The issue occurred when the form field was linked to a **Users and groups** type data source.
- The **Applications import report** has been improved. Previously, when importing an application that included changes to the names of workflows, paths, or processes, the import report either lacked the relevant information or contained incorrect details.
- Fixed a bug affecting the editability of the filter button in **Choice fields** within standard processes. The button became inactive when users navigated to the configuration window of such a form field directly from the configuration window of an **Absence type** system form field in an absence process.
- Fixed an issue preventing application removal. Occasionally, the system displayed messages that the removed application was still in use, despite that not being the case.
- Fixed an issue related to decrypting license information. Due to incorrect decryption, incomplete data was being saved in the database.
- Fixed subordinate structure synchronization mechanism. Previously, synchronization issues occurred when a user had inactive direct subordinates, leading to errors or incorrect subordinate structure display. Now, the synchronization correctly ignores inactive users and does not attempt to create entries with empty data, ensuring consistent and accurate data.

- A BPS application administrator can now generate OpenAPI documentation for the **Actions on a workflow instance** mode including the **[System] Comment** and **[System] Attachments** fields.
- Fixed a bug that allowed unauthorized changes to the data source type in the **Report** form field. This resulted in an error when attempting to navigate to the **Advanced configuration** window for the form field after changing the source type.
- Fixed a bug encountered when selecting **Select all / Deselect all** (column header **Import** → right-click) during the process selection phase in the application import window. The bug occurred if a system dashboard with invalid process instances references was included in the imported package.
- Fixed a bug preventing Designer Studio launch after importing an application package from the test environment (**TEST**) to production (**PROD**). The issue stemmed from differing application home page GUID identifiers. The fix implements a mechanism harmonizing GUID identifiers between PROD and TEST environments.
- Improved the **HotMailBoxes'** ability to find attachments based on RegEx. The fix now makes regular expression attachment searches case-insensitive. Information about this was added to the context info.
- Fixed an issue that caused the error **An item with the same key has already been added** to appear when importing application packages via the import/export mechanism. The problem occurred when only selected configuration elements were imported, leading to a database ID collision between imported and existing records during the cleanup of unused elements.
- Fixed a bug where a checkbox configured within a **Data row** form field was not visible. This occurred when an **SQL query** returning static HTML checkbox was defined within the form field, and the **Encode dangerous HTML tags** checkbox was unchecked in the configuration.
- Fixed an issue with exporting a translation package from a specific process when any action was incorrectly configured.
- Fixed an issue with converting .tif files to .pdf that occurred when executing the action to add a barcode to .tif files. As a result, a .pdf file was generated with the barcode added but without the original content.
- Fixed an issue with importing and exporting process packages that occurred when privileges were being transferred during this operation while deployment mode was enabled.

- Fixed an issue that caused form fields to be omitted from the e-mail notification body. The problem occurred when configuring multiple e-mail sending actions to be executed concurrently across different paths (for instance, inbound and outbound paths to/from a workflow control step). Form field visibility in all notifications was incorrectly based on the settings of a single step, instead of the appropriate step settings that were the destination of the relevant paths.
- Restored correct display of button icons in the application **Compact view** in Designer Studio.
- Fixed a bug encountered during the import of a package containing a process utilizing a **Global field** with a populated **Default value** field. The bug occurred if the target environment already contained the said process with the aforementioned form field, but this field lacked a defined Default value.

6.5. Actions

- Fixed a bug where sorting configuration for the **Item list** form field was not included in the generated PDF containing such a field. This issue occurred after cloning an Item list record and initiating the **Generate a PDF file** action based on the template.
- Added Polish translation for the configuration error message in the **Move workflow (SQL)** action, which appears when the **Finish tasks in admin mode** checkbox is selected, but the user holds no administrator privileges.
- Fixed an issue with setting a dynamic attachment category in the **Add attachment to other workflow instance** action configuration. Previously, even when a dynamic category was selected, an error message would appear indicating no category was specified.
- Corrected the issue where ongoing cyclical actions were interrupted when the cycle configuration was changed. The fix ensures that saving changes no longer affects enqueued statuses in the database.
- Fixed a bug where generated Word files did not include values from the **Data row** column of the **Item list** form field.
- Fixed a bug encountered when loading attachment categories in the **Add attachment** action configuration. The problem appeared when the source file was selected based on an SQL query containing context variables.
- Fixed a bug where a parameter-setting action returned a parameter with an incorrect empty value. This occurred if any internal automation was inserted before the aforementioned action within an automation embedded on a transition path.

- Improved the handling of actions within the **Exchange** group. Previously, passing control characters within a text field caused an error. Now, these characters are ignored.
- Corrected the error encountered when modifying attachments using the DOCX file modification action configured in a **For Each** operator based on an **Item list**. Previously, the modification action incorrectly used data from the wrong Item list.
- Improved the **Clear Item list** action import. Previously, the functionality failed to operate correctly after transfer to a different environment, due to a missing **Item list** mapping.
- Fixed a bug in the **Invoke SOAP Web service** action that returned the phrase "System.Byte[]" instead of Base64 format values when mapping values returned by the Web service to **Item list** columns. The values mapped from the form fields to the **byte[]** request field as a result of the action are now also in Base64 format.
- Fixed 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 an issue preventing the addition of a BPS user with a profile picture in an attachment using a cyclical **Add BPS User** action.
- Fixed the saving of changes made in the configuration of the **Add substitution** action. The issue was that modifications made in the SQL query editor (accessible by clicking the ellipsis button) were not saved.
- Fixed an error that occurred when closing the filter editor in the configuration of the **For each** operator in automations. After the fix, closing an empty filter editor no longer causes a `NullReferenceException`.
- Fixed a bug that occurred when using a **SharePoint list** data source in **Timer** or **On start (cyclical)** actions.
- Fixed the mechanism for generating Word documents using the **Generate/Update a Word file** action when they contain **Handwritten signature** or **Image** form fields. Previously, if these fields were empty, the Word document displayed a yellow area with the form field name. Now, empty fields display a blank image instead.
- Improved the connection type selection issue in the **Invoke REST Web service** action configuration. Previously, a user configuring the action could not

change authentication methods (e.g., from OAuth) even when an alternative option was available in the configuration.

- Fixed the mechanism for transferring values between the **Choice list** form fields. Previously, when using the **Change value of single field** action to transfer responses from one form field to another, values for the **ID + Name** tag were transferred incorrectly. Now, values are transferred correctly regardless of how the data is entered.
- Improved the attachment sorting within PDF/DOCX files merged using the **Merge attachments into Word/PDF file** action. Previously, attachments were sorted disregarding the database order and not aligning with the **Merge order: according to SQL** configuration option. Now, attachments are sorted according to the chosen configuration.
- Improved the **Archive workflow instances**. Previously, the action was retrieving incorrect instance IDs for archiving. The fix restored proper data retrieval within the transaction and the addition of items to the archiving queue.
- Fixed a bug in the automatic task delegation mechanism. The bug resulted in assigning the substituting person higher privileges — specifically editing rights — to an instance that the substituted person could only access in read-only mode. This problem occurred when the substituted person received a CC task and the substituting person had not previously had access to the respective instance.
- Fixed an issue, where the value in **Choice field** was not matched to the business entity defined in another form field, despite respective configuration. This problem occurred upon starting a subworkflow instance via the **Start workflow (SQL)** action.
- Fixed the behavior of the **Remove attachment** action in the **Remove only history of binary data** mode, which incorrectly removed the attachment from the SOLR index. After the fix, the action removes only historical data, leaving the current version correctly indexed.
- Restored the missing dependency for the library responsible for detecting signatures in PDF files, ensuring that the **Skip PDF files** with signature option in the **Add a text layer** action works correctly and signed files are properly skipped.
- Fixed an issue preventing the transfer of values from particular **Data rows** to a MS Word file generated by the **Generate/Update a Word file** action based on an attached **Word template** (created via **Admin actions**). The problem occurred when a Data row column name contained Polish diacritical characters.

6.6. Rules

- Fixed an issue that prevented **AI PROMPT** rules from being pasted due to a missing decorator responsible for object deserialization in the operating system. Additionally, a safeguard has been added for AI rules with a single parameter to prevent errors when pasting rules with an empty parameter.
- Fixed a bug that caused the system to return different results for the **ALL TRUE** and **ANY TRUE** operators depending on the order in which a parameter with the **NOT** operator was entered in them. The sequence of parameters with the **NOT** operator no longer affects the rule results.
- Improved handling of translations for **Business rules** cloned in the editor using copy/paste. Copying inline rules (e.g., **SQL COMMAND**) could generate incorrect translation entries without a process reference, which caused issues with application export and left orphaned translations in the database.
- Fixed a bug where deleting a **Business rule** did not trigger the removal of the translation of its parameter name from the content database. As a result, it was not possible to delete or import a process that had previously contained such a rule.
- Fixed a bug encountered during an attempt to save the configuration of the **GET ATTACHMENTS** function added to the **Business rule** defined for a **Mass notification**.
- Fixed a bug in the migration script's algorithm for converting rule configurations from XML to JSON. The bug caused a timeout for the script when the database contained more than 20,000 **Business rule** definitions.
- Fixed a bug where the value displayed in a **Widget** form field was not recalculated after a change in a related form field. This issue occurred when a business rule configured in the Widget field included an **SQL COMMAND** function referencing a form field value.
- Fixed an issue with loading the creation date of a workflow instance in the **Business Rules** editor. Previously, the variable returned the current date; now, it correctly returns the instance creation date.
- Fixed an issue with saving the data source **MSSQL Database** that used a global **Business rule** containing the **SQL COMMAND** function.
- Fixed an issue with displaying the parameter value in **Business rules**. The fix ensures that the parameter value is correctly substituted in the SQL command when the rule is tested. Previously, the value "{brp:id}" was returned instead of the expected value.

- Fixed an issue with passing automation parameters after using the **For each** operator. Previously, automation variable values were not passed correctly after the **For each** loop ended, causing an attempt to read those variables to return empty values. The issue has been resolved so that parameter passing now works correctly.
- Corrected the issue where warning messages appeared in the system when switching instances in the **My tasks** view. This occurred when a **Form rule** triggered a **Business rule** but lost the form context, resulting in empty values being sent to the **Business rule**.
- Fixed an issue where the **SELECT VALUES** function automatically converted an empty value in the **Item list** column to the default DATE value (0001-01-01T00). This issue occurred only when testing a rule (the **Test** button) containing this function in Designer Studio.
- Fixed a bug where the **Date and time** form field value was not cleared by the **EMPTY** operation used within the **SET** function. This occurred when the field value did not have a valid date format.
- Fixed an issue in the **LikeLogic** algorithm within business rules. The bug occurred in cases where the **LIKE** function with a **%text** value was used, which works similarly to the **String.EndsWith()** function. Previously, the algorithm returned an incorrect result (**FALSE**) in situations where the searched string appeared multiple times in the text (the system checked the first match), despite a correct match at the end, which should have returned **TRUE**.
- Improved the display of OAuth2 tokens in **Form rules** used in the **OAuth2 Authentication** field type. Previously, in some cases, the **Token** variable used in Form rules returned an empty string. Now, the Token format is unavailable in the Form rule editor. The Token format remains available in **Business rules** and JavaScript rules.
- Fixed an issue where the **TO LOWER** function used inside the **CONCAT** function in **Business rules** would automatically become **TO UPPER**.
- Fixed an issue where the **ADD DATE** function in a **Business rule** returned an incorrect date when subtracting business days.

6.7. Data sources

- Fixed a bug encountered during data source **<Users and groups>** testing. As a result, the mechanism for testing business rules containing the **DATA SOURCE VALUE** function with filters was fixed, as well as the mechanism for testing filtered data sources that use business rule parameters.

- Fixed the login issue encountered on the WEBCON BPS platform. The problem occurred when an incorrect filter was configured in the system data source **<Users and groups>**, which prevented login. A revised error message is now displayed.
- Fixed the handling of global constants when testing connections to data sources (REST, MSSQL, Oracle). Global constant values are now correctly retrieved based on the selected test environment. Additionally, a bug causing global constants to be incorrectly interpreted as process constants in REST sources has been fixed.
- Improved the error message displayed when a calculated column is misconfigured in a **SearchIndex**-based report. The updated message is now more user-friendly and clearly informs the user about an issue with the SOLR query.
- Restored default sorting in **SearchIndex**-based 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.
- Improved SQL query generation in the **Data table** form field when using an advanced filter based on **Data source columns**. Previously, identical conditions applied in the basic and advanced filters resulted in different numbers of apostrophes being generated in the ISNULL function.
- Fixed a bug in the configuration of the **BPS internal view** data source that caused the settings defined in the **Selected workflows and steps** field to disappear. The issue occurred when switching to a different BPS internal view data source. Additionally, these settings were not replicated in the cloned data source.
- Fixed an issue with updating data source columns in the **WFDataSourceColumns** table. After saving changes to a data source using the **Save all** button, entries in the table are now generated and refreshed immediately, ensuring that columns are displayed correctly in Designer Studio.
- Fixed a bug that occurred when the data source filter included the **[System] Step** column that belonged to the same data source.

6.8. Add-In

- Fixed missing translations in the **Word Modern** plugin installer.
- Improved how data is loaded in the **WEBCON BPS Word Add-In**, including the loading of the value selection tree in the editor.

- Fixed field generation for **Data row** field columns in document templates created via the **WEBCON BPS Word Add-In**. Previously, fields were generated with an incorrect prefix (ID instead of GUID), leading to data replacement issues in documents.

6.9. Mobile app

- Resolved the issue preventing data source configuration saving on landscape-oriented tablets. Scrolling to the bottom of the window and saving will work correctly.
- Fixed a bug that caused **Push notifications** and emails to display dates in inconsistent formats. The date format is now determined based on the language of the end user who receives the notification.
- Improved screen reader behavior for application elements on mobile devices running iOS and Android. Previously, there were issues with starting the instance and reading certain elements, such as the calendar.
- Improved **User Defined API (UDA)** handling in the mobile application. The issue was an "Invalid authentication type" error when attempting to retrieve data from a dictionary process.
- Adjusted the mobile form path panel appearance.
- Fixed navigation "Floating Button" behavior, the button dropped in a disallowed area should snap into the closest allowable zone.

6.10. Service

- Fixed licensing functionality in the cloud installation (**WEBCONAPPS-SaaS**). If the number of assigned **Power User** (Designer Studio) licenses exceeds the number available, users can still access the Portal, but Designer Studio access requires removal of the surplus assigned licenses via the **Admin panel**.
- Fixed an issue with exporting **SearchIndex (SOLR)** reports to Excel that occurred when the **All** option was selected in the **Process** field (**Source** section) of the report data source configuration window.
- Fixed an issue that prevented the Service from following a path containing the action to end instance sharing after the specified time elapsed.
- Fixed handling of special characters in passwords during data import from SOLR. Previously, incorrect passwords caused errors; now, the application supports all characters, including diacritics. Furthermore, a full JSON response from SOLR is now displayed on deserialization errors, which should aid in problem diagnosis.

- Improved SOLR report search via the main search panel. Previously, when the **Show option search everywhere** checkbox (the report configuration window → the **Views** tab) was unchecked, global search only worked after entering the expanded search panel.
- Improved attachment indexing handling. Previously, attachment indexing in SOLR encountered "System.InvalidOperationException: Invalid SOF marker received" errors once the timeout had been exceeded. Attachment indexing will now be more efficient, without blocking the indexing queue.
- Fixed an issue that caused inconsistent search results in reports based on the SearchIndex (Solr) data source. The error occurred when searching the report using text fields (**Search panel** → **Search options** → **Text field**) and the query included a space character.
- Fixed an issue preventing proper SOLR update. This addresses a bug that, during update, caused the installation of a new Windows Defender version to block the **WEBCON BPS Search Service**.
- Fixed an error that caused empty **Mass notifications** to be sent. Empty messages were sent to users who had only CC tasks assigned.
- Improved handling of throttling of sending administrative notifications by **WEBCON WorkFlow Service**. A default limit of one email per minute within a given notification category has been introduced. The limit applies per service instance.
- Fixed an issue that prevented indexing attachments with a size of 0 bytes in the SOLR search engine. Improved handling of the **CancellationToken** to allow proper interruption of the indexation process when required.
- Expanded OCR AI learning progress logging. The service now generates a comprehensive log, detailing the current teaching stage.

6.11. Designer Desk

- Enhanced handling of adding, updating, and deleting **Process phases**, steps, and paths when using the assistant (AI).
- Fixed intermittent bug encountered when users performed two consecutive form field configuration saves. This resulted in errors appearing after navigating to the **Field matrix** page and during documentation generation.
- Fixed a bug that occurred when editing and saving HTML in the **Designer Desk** form editor. The fix prevents the loss of changes during undo/redo operations, and restores unsaved changes.

- Fixed an issue that prevented launching an application prototype created using the **Start with AI** feature and generating its documentation. The error occurred when the generated prototype included a **Users and groups** form field. In such cases, the AI module incorrectly created a **Fixed values list** data source for that form field.
- Fixed the bug that displayed values in incorrect columns in the **Data table** form field. This issue occurred after modifying values in an existing Data table, saving the new configuration, and launching the prototype form.

6.12. API & SDK

- Fixed UDA endpoint parallel invocation handling. Enhanced the functionality of actions that malfunctioned under concurrent requests from external systems. Previously, faulty parallel invocation handling resulted in issues with signing documents.
- Blocked validation of API applications (created in **Integrations** → **API**) as valid users when adding members to groups in the **Admin panel**. Previously, API applications appeared in the user search, but saving a group including them resulted in an error.
- Fixed an issue where a null value was returned in the user API after changing the mapping from an **Item list** column to a **Single line of text** form field. The problem was caused by the field type (**FieldTypeID**) not being updated in the database, which prevented correct data retrieval at runtime.
- Fixed a bug that prevented REST from connecting correctly to the SDK authentication in BPS Studio. Previously, the URL passed wasn't interpreted correctly, resulting in the error "System.InvalidOperationException: An invalid request URI was provided. Either the request URI must be an absolute URI or the BaseAddress must be set." This fix ensures that the URL is passed correctly, allowing for a smooth connection.
- Fixed an issue with the attachment signing SDK add-on after updating to version 2023. The error was caused by SSL certificate validation issues during communication with the signing service hosted on IIS.
- Fixed an issue with missing permissions for downloading temporary files generated by the SDK. This fix resolves an issue with an extra apostrophe in the security token that caused a 404 error. The permission checker has also been improved to properly account for access to temporary files.
- Resolved an issue that occurred when calling the "SqlExecutionHelper.ExecSqlCommandNonQueryOutsideTransactionAsync" SDK method within the BPS transaction.

- Improved the error message displayed during data source filter configuration. The previous message presented the content in reverse order.
- Fixed a bug in an SDK data source with filtering configured on the add-in side. The issue occurred when such a data source was used in an action without passing any filters.
- Improved application import package validation. The mechanism now displays an error message when the package lacks an SDK add-on required by a REST-type connection.
- Fixed handling of **Business rules** in **API Definitions** in instance operation mode. Rules referring to **Item list** values and attachment collections now work correctly.
- Fixed a bug that occurred when attempting to change the **Instance number** of an existing workflow instance using **Run an SDK action**.