
ALFABET RELEASE NOTES 10.9.1

These patch release notes are an amendment and extension to the release notes published for the Alfabet 10.9.0 release. The following information is available.

- [Significant Changes to Existing Functionality in Alfabet 10.9.1](#)
- [Other Amended or Resolved Issues in Alfabet 10.9.1](#)
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Significant Changes to Existing Functionality in Alfabet 10.9.1

The following issues represent significant changes to the use of Alfabet in 10.9.1:

- `-rebuild_indices`: The command line option `-rebuild_classindices` triggering the rebuild of indices in prior releases has been renamed to `-rebuild_indices`. This will affect existing configurations that call the functionality for example via a windows batch job.
- ADIF import can be performed from multiple files located in a single ZIP archive. The **Import Table** attribute of the ADIF entries in an ADIF import scheme defines which files are imported according to the rules the respective ADIF entry defines. In Alfabet release 10.7 and 10.9.0 all files in the ZIP archive with a name starting with the file name defined in the ADIF entry were processed via the ADIF entry. This led to incorrect processing if the complete file name defined for one import entry was identical to the first part of the file name defined for another import entry in the same ADIF import scheme. Therefore, the naming convention for multiple files in an import ZIP archive has changed. Files will only be processed via an ADIF entry if the file name is either identical to the file name defined in the ADIF entry or is concatenated from the file name defined in the ADIF entry followed by an integer. In all of the above mentioned cases, the file extension has to be identical to the file extension defined in the ADIF entry.

Other Amended or Resolved Issues in Alfabet 10.9.1

- [End User Issues](#)
- [Solution Configuration Issues](#)
- [System Administration Issues](#)
- [Resolved Empower](#)

End User Issues

- It was possible to specify only an empty space for the **Name** attribute of a new object and proceed to the next step in the wizard. This issue has been corrected and an error message will be displayed when attempting to go to the next wizard step if the **Name** attribute is not correctly defined.
- The **Enable FAQ Bot** option has been removed from the **User Settings** editor because the underlying functionality is not yet implemented.
- The **Object Usage Tracking** page view erroneously showed icons of the base object class of objects rather than the icon specified for the object class stereotype. This has been corrected.
- In the **Business Objects** page view available for business functions, business function operations, and business processes, a new **Edit Business Data Usage** button has been added to align the way to define business data usage of business objects has been aligned with the method available in other views. Consequently, the **Edit** button that opened the editor to define business data usage has been removed.
- If the Alfabet database was hosted on an Oracle® database server, execution of job schedules failed because of an issue in the time management. This issue has been resolved.
- In Gantt charts, the blue vertical line denoting the current date was incorrect if the report was zoomed out. This issue has been fixed and the current date will be correctly displayed regardless of the zoom factor.
- When the user clicked the **Change Layout** button in a node arc report, the user was required to log in again to access the Alfabet Diagram Designer. This issue has been resolved. When the **Change Layout** button is clicked, the Alfabet Diagram Designer automatically opens in a new browser tab and the user is not required to log in again.
- An AI-enabled data quality analysis report can be configured to display a number of frozen columns that are excluded from scrolling in the editor of the object-centric view. If a user used the **Show Only Applicable Properties** filter and this excluded all columns configured as frozen in the object-centric view, an error occurred when the editor was opened. This issue has been resolved. Columns defined as frozen will always be displayed in the editor independent of whether they are applicable for the data completion.
- An error message will be displayed if a user delegating a workflow step has not selected the person to delegate the workflow step to.
- When a user selected multiple objects in a dataset via the COMMAND + Click key combination in the context of a Macintosh® operating system, an irrelevant context menu was displayed. This issue has been corrected.
- If a guide view contained multiple tabs, all reports (and associated queries) bound to visibility conditions in all tabs of the guide view were executed when the browser was refreshed, resulting in degraded performance. This issue has been addressed so that only the queries on the current tab will be executed.
- An error occurred when a questionnaire policy was executed to create the questionnaire indicators for a questionnaire and the name of objects found by the questionnaire policy included single quotes. This issue has been resolved and any single quotes in the names of objects found by the questionnaire policy query will be escaped when the questionnaire indicators are generated.
- A user message was erroneously displayed in the **All Collaboration Topics** view explaining that the view was disabled in the context of integration with Microsoft Teams® even if the MS Teams

integration capability was not activated. This issue has been fixed and the user message will only be displayed if MS Teams interoperability is active.

- In some rare cases the import process was not completed when importing the XLSX file for the **Data Capture Template** functionality. This issue was due to a problem uploading the data capture template status file to an internal documents folder in an empty database. This issue has been fixed.
- If a report was exported via the **Export** button while the user interface was rendered in Arabic language, the text was not readable. The export mechanism was not able to write Arabic characters. This issue has been resolved.
- Execution of configured reports to execute the AI-enabled data quality analysis failed if the Alfabet Server was run as a service. This issue has been resolved.

Solution Configuration Issues

- The storage of values has been changed if the XML attribute `YearOffset` is set to "1" in the XML object `CostManagerDef`. In this case, if the start year of a project is 2020, and the XML attribute `Month` is set to "9" and the XML attribute `Day` is set to "1", the fiscal year begins September 1, 2021 and ends August 31, 2022. A value defined for the fiscal year 2022, however, will be saved in the **Cashout Planning** view for the calendar year 2021.
- A new Alfabet instruction allows coloring of background and text color of cells in a dataset to be defined in the query of a tabular report. The colors must be defined as HTML-compliant. In addition, a legend text describing the coloring can be returned in the query. The parameters of the instruction must specify the column names in the result dataset that shall return the required information:

```
DynamicColorAssignment (ColumnToBeColored, BackColorColumn, ForeColorColumn, LegendItemTextColumn);
```

- A new Alfabet instruction allows icons returned via the query of a tabular configured report to be placed in table cells. The icons must be available in an icon gallery and defined as "GalleryName:IconName". In addition, the query can return the following:
 - A legend text and an alternative text for the icon.
 - The assignment of the cell content as either `Left`, `Right`, or `Center`.
 - The rendering style defining whether the icon is displayed instead of `(Icon)`, after `(TextIcon)`, or in front of `(IconText)` in the cell content.

The parameters of the instruction are exclusively definitions of column names in the result dataset returning the required information:

```
DynamicPictureAssignment (ColumnToDisplayIcon, IconDefinitionColumn, LegendItemTextColumn, RenderStyleColumn, AlignmentColumn, AltTextColumn);
```

- The maximum allowed string size has been increased for a number of standard Alfabet object class properties. Some standard object class properties such as `Color` or `Stereotype` were available for multiple object classes but had different size restrictions.
- Class settings, object view, and selector definition were missing for the object classes `ALFA_PM_COCKPITDETAIL_INFO` and `ALFA_PM_OBJECTVIEWDETAIL_INFO`. This issue has been resolved.

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- Background coloring either with a solid color or a color gradient has been added to the definition of polygon shapes in custom diagram item templates. The new **Back Brush Type** attribute is set by default to `Solid` and the background color defined with the new **Background Color** attribute is applied to the shape. Setting the **Back Brush Type** attribute to `AutoHorizontalGradient` or `AutoVerticalGradient` fills the shape with a color gradient based on the color defined with the **Background Color** attribute and lighter hues thereof. Setting the **Back Brush Type** attribute to `HorizontalGradient` or `VerticalGradient` fills the shape with a color gradient based on three colors that are customer-defined in the new **Back Brush Def** attribute.
 - An error occurred in a workflow if the **Completion Type** attribute of the workflow step was set to `ConfirmPrompt`. This issue has been resolved.
 - The validation mechanism for native SQL queries has been enhanced to ignore any empty lines or lines starting with - (dash) prior to the query definition. This allows native SQL query definitions to start with a comment.
 - The Alfabet parameter `@BASE` was not correctly resolved in queries defined for slider controls in filter panels of configured reports and selectors. This issue has been resolved.
 - The availability of two drivers for connections to Microsoft® SQL Server® databases implemented with Alfabet 10.9.0 led to problems with ADIF import from or export to Microsoft SQL server databases. This also applied to the update of indicators via ADIF in Alfabet Databases hosted on Microsoft SQL Server. A new **Driver Sub-Type** attribute has been added to the attribute section of **ADIF Database Import Entry** and **ADIF Database Export Entry**. The new attribute is only visible if the **Driver Type** attribute is set to `SQLServer`. The default value is `MSNetFramework` for use of the database driver from previous releases. For new and existing ADIF entries, the attribute will be set to `Unspecified` and the default value applies. To use the new driver implemented with Alfabet 10.9.0, the attribute must be set to `MSSqlClient`.
 - ADIF import can be performed from multiple files located in a single ZIP archive. The **Import Table** attribute of the ADIF entries in an ADIF import scheme defines which files are imported according to the rules the respective ADIF entry defines. In Alfabet release 10.7 and 10.9.0 all files in the ZIP archive with a name starting with the file name defined in the ADIF entry were processed via the ADIF entry. This led to incorrect processing if the complete file name defined for one import entry was identical to the first part of the file name defined for another import entry in the same ADIF import scheme. Therefore, the naming convention for multiple files in an import ZIP archive has changed. Files will only be processed via an ADIF entry if the file name is either identical to the file name defined in the ADIF entry or is concatenated from the file name defined in the ADIF entry followed by an integer. In all of the above mentioned cases, the file extension has to be identical to the file extension defined in the ADIF entry.
 - If event queueing was used to execute processes and ADIF import or ADIF export was executed via the `ADIF_Console.exe` tool, the results of the ADIF execution were not correctly returned to the `ADIF_Console.exe` tool. Please note that results were only returned if the command line parameter `-synchronously` was either not set or set to `true`.
 - The following issues have been resolved for ADIF configuration in Alfabet Expand:
 - The display of SQL command nodes in the ADIF explorer was incorrect after an SQL command had been copied and pasted to another existing SQL command. The explorer then showed all SQL commands defined for any SQL command group of the target ADIF scheme in the SQL command group that the SQL command was pasted to. Deletion of SQL commands from the SQL command group that they were erroneously displayed in deleted the SQL command from the SQL command group of origin. The explorer needed to be re-loaded to solve the problem.

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- In Alfabet Expand Web, deletion of an element that was the only element within a group node removed not only the element but also the group node from the explorer.
 - After changing the **Is Active** attribute of an SQL command, the explorer tree needed to be rescanned to show the change on the explorer node.
 - If HTML controls in custom editors contained XHTML syntax errors, the field was empty and there was no error message with information about the issue displayed. This has been changed and an error message provides details about the issue in the XHTML syntax.
 - If the Alfabet database was hosted on an Oracle® database server, Alfabet parameters in queries were not correctly substituted with values that were handed over from slider control filter fields. This also applied if the user opened the configured report with the slider control via an external link and the external link contained the value settings for the filter field. This issue has been resolved.
 - If the offline mode of the AlfaBot is turned on via the **Use AlfaBot Offline** button in the **AlfaBot Configuration** functionality, the Alfabet Web Application will check whether DialogFlow® is accessible when the Web Server is restarted and will return to online mode if the check is positive. To activate the offline mode permanently independent of the restart of the web server, the new XML attribute `IsOffline` of the XML element `ChatBotInfo` must be specified as "true" in the XML object **AlfaChatBotConfig**.
 - The value `Committed` was not written to the `MonetaryID` column in the `BudgetValue` database table for the `Budget` cost definition type when `Budget` values were imported to the database via an XLSX file based on the cost-based data capture template. This issue has been corrected.

System Administration Issues

- After migration to 10.9.1, in some rare cases configured reports were only partially displayed in Alfabet Expand. This was due to the failure of the semantic analysis if configured reports included a range specification for evaluation types. Building the explorer tree ended with an incomplete semantic analysis. This issue has been resolved.
- To make configuration of the Alfabet components easier, new server alias configurations created via the Alfabet Administrator will be prefilled with recommended settings. These can be changed as needed.
- In the log files generated during execution of the command line tool `FullTextSearchUtil.exe` the tool was named `RescanColorRules` instead of `FullTextSearchUtil`. This issue has been resolved.
- If the Alfabet database was hosted on an Oracle® database server, RESTful service calls to the endpoint objects to read data from a configured report were not able to correctly process parameter specifications for native SQL reports. This issue has been resolved.
- The `AUDIT_USER` object class property of Alfabet objects that were updated via a call to the Alfabet RESTful services was set to the string `ALFABET` instead of to the user used to authenticate the call. This issue has been resolved.
- A new XML attribute `set_referer` has been added to the XML element `Connection` in the XML object **GenericRESTConfig**. If not set or set to `true`, a referrer header will be included into each HTTP request sent to external RESTful services. The attribute can be set to `false` to exclude the referrer header from the HTTP requests if the external RESTful services does not accept calls including referrer headers.

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- If the **Database Driver Type** attribute in the server alias settings was set to `Microsoft SQL Server`, some entries in the audit history of objects displayed technical strings starting with `alfaConn_` or `Alfabet Event Server` instead of the user name of the user triggering the change. This issue has been resolved.
 - Index defragmentation via the command line tool `AlfaAdministrator.exe` has been enhanced. The following new command line parameters are available:
 - `-rebuild_indices`: The command line option `-rebuild_classindices` triggering the rebuild of indices in prior releases has been renamed to `-rebuild_indices`. This will affect existing configurations that call the functionality for example via a windows batch job.
 - `-table_names <comma separated list of table names>`: Specifies the database tables for which defragmentation shall be performed. This command line parameter can be used as an alternative to the `-classes` command line parameter that allows a comma-separated list of object class names to be defined. The `-table_names` parameter provides a means for defragmentation of database tables which are not part of the object class model.
 - `-all`: If this command line parameter is set, defragmentation is performed for all database tables.
 - Execution of command line tools failed without any error message if the `-alfaloginname` parameter is not specified and the Alfabet components were configured to use event queueing for the execution of command line jobs. This issue has been resolved and an error message will inform about the requirement to define either a user or a system user for execution of the job.
 - The following enhancements have been made to the integration with ServiceNow®:
 - Data to be exported to ServiceNow can be defined via a tabular configured report based on a native SQL query. The restriction to Alfabet query based reports has been removed.
 - The RESTful services API of ServiceNow can provide all data in a comma-separated format. In addition, the RESTful services API V1 of ServiceNow can provide data from tables in JSON format and the RESTful services API V2 of ServiceNow can provide data from tables and database views in JSON format. A new XML attribute `UseJson` has been added to the XML element `DataConnection` in the XML object **ServiceNowImportConfig** for the configuration of the connection to ServiceNow for data import to Alfabet. Data will be requested from ServiceNow in JSON format if this XML attribute is set to `true` and the XML attribute `FetchType` of the XML element `DataConnection` is set to a value supporting JSON data in the ServiceNow RESTful services.
 - Update of the metamodel with a configuration stored in an AMM file failed if triggered via Alfabet Expand Web. This issue has been resolved.

Resolved Empower Issues

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- 5434268
- 5440790
- 5442950
- 5443218
- 5444402
- 5444842
- 5449203
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- 5445833
- 5446438
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Forthcoming Changes

- Starting with Alfabet 10.11, Oracle® database server 19c will be supported to host the Alfabet database. Oracle database server 12c will no longer be supported because Oracle ended mainstream support for Oracle 12c.

Documentation Issues

The English language documentation has been updated and is available for Alfabet 10.9.1.

A German version is available for the Release Notes for Alfabet 10.9.0.

Service and Support

Should you have any questions or require additional information about Alfabet, please contact Software AG Support.

Please open a ticket in the Empower eService for any service request as well as all non-standard support incidents such as training requests, scripting, or data integration:

<https://empower.softwareag.com>

When you submit a ticket for a service request, you should include the main release number and patch version of your Alfabet product. This information can be accessed by clicking **Help < About Alfabet**. Tickets will be recorded and transferred to the relevant team.

Empower eService also includes:

- tracking ticket statuses
- local telephone numbers for support.

In addition to the local support telephone numbers, you can use the following toll-free number:

+800 2747 4357