Alfabet Release Notes

Alfabet 10.11

Documentation Version Alfabet 10.11.0

TABLE OF CONTENTS

Critical Issues Addressed in Alfabet 10.11

- The apostrophe (') character was not property escaped during the authentication and actualization processes for external users whose name contained the special character. This issue has been resolved.

Significant Changes to Existing Functionality Introduced with Alfabet 10.11

The following issues represent significant changes to the use of Alfabet in release 10.11:

- Sending express views from administrative user profiles can be prevented on an enterprise-wide basis. The new XML attribute `EnableExpressViewForAdminProfiles` has been added to the XML object ***SolutionOptions***. When set to `"false"`, express views cannot be sent to user profiles for which the **Is Administrative User Profile** attribute is set to `True`. The default setting for the XML attribute `EnableExpressViewForAdminProfiles` is set to `"false"`. Therefore, if express views shall continue to be sent via administrative user profiles, the setting must be changed to `"true"` after migration to Alfabet release 10.11.
- Due to reasons of security, the file formats SVG, HTML, and WSDL have been added to the default blacklist specification in the XML object ***FileExtensionLists***. It is recommended that SVG files are available only if they have been generated in the Alfabet Web application. It is recommended that existing customers add the file formats SVG, HTML, and WSDL to the XML attribute `Blacklist` in the XML object ***FileExtensionLists*** after migration to Alfabet release 10.11.
- When enabling the **Save Parameter** option for an ADIF export entry with the **Export Type** attribute set to XLS, XLSX or XLSM and when the ADIF export did not include any parameters, the full list of command line parameters was included in a hidden tab in the generated Excel file. The content of this tab was reachable using developer tools in Microsoft® Excel, thereby potentially disclosing the user name and password used for the console application call. This was identified as a potential security vulnerability and passwords have been removed from the list of parameters.
- 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 via, for example, 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 that the respective ADIF entry defines. In Alfabet release 10.7.X and 10.9.X, all files in the ZIP archive with a name that started 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 must be identical to the file extension defined in the ADIF entry.
- The default naming convention for class settings for combinations of class and stereotype has been changed. The new default naming convention is {Class.Name}_{Stereotype.Name}.

- The **Regenerate All Passwords** and **Regenerate Empty Passwords** options in the **User Administration** functionality may require more time than usual if the Alfabet database has a high number of users. To avoid that user administrators must wait for the entire interaction to be completed prior to performing other tasks in Alfabet, these functionalities will be executed asynchronously via the Alfabet server.
- The **View Scheme** attribute in the **User Profile** editors has been changed to a mandatory field.
- Only projects where the **Type** attribute is set to `Project` may be exported and imported in the context of data capture templates. The types `Scenario`, `Solution`, `Obsolete`, and `Baseline` are not supported in data capture templates.
- The **Project Dependency** page view has been changed to allow the user to specify projects that are dependent on the selected project as well as the projects that the selected project is dependent on. The **Create Project Dependency** option in the **New** menu has been removed and the new options **Specify Project Dependent on Current Project** to specify projects that are dependent on the selected project and **Specify Project Dependent for Current Project** to capture the projects that the selected project is dependent on have been added.
- The storage of cashout planning values for projects 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. The cashout planning values are stored with their actual calendar dates. Therefore, a cashout planning value for Nov. 2021 will be saved with the date 2021/11/01 in the Alfabet database but accounted for FY2022 in the user interface.
- The fiscal years specified for the values in a business case can be shifted according to the start and end dates defined for the project in the **Shift Start/End Dates** editor. The XML attribute `RetainBusinessCaseValues` in the XML object ***SolutionOptions*** must be explicitly changed to `True` if the fiscal year of all existing business case values shall automatically align to changes made to the project's start year. The new XML attribute `RetainBusinessCaseValues` available in the XML object ***SolutionOptions*** has been set to `False` per default to support backward compatibility.
- The **Component Usage**, **Component Usage Gantt**, and **Technology Usage** page views have been enhanced so that the section headers will only be shown if relevant objects are available for that section of the table.
- Handling of permissions for the Microsoft Teams® integration has been expanded. Whereas in Alfabet release 10.9 most permission settings had to be `Application` permissions, this has been extended with Alfabet release 10.11 to give customers the choice to use `Application` permissions or `Delegated` permissions wherever the Microsoft Graph API interactions would permit. As a result and following advice from MS Teams system administrators, the default permissions have been set to `Delegated` wherever this is supportable.
- The private ADIF schemes ***SemanticSearch*** and ***UpdateReportsPopularity*** have been changed from ADIF export jobs to ADIF import jobs in order to enable the automatic execution of these ADIF schemes during the update of the meta-model. The private ADIF schemes ***SemanticSearch*** and ***UpdateReportsPopularity*** must be run in regular intervals to maintain the faceted search in configured reports via the `Analyze` intent of the AlfaBot. Existing job schedules based on the **ADIF Export Job** schedule will no longer work and must be revised in the **ADIF Jobs Administration** functionality using the **ADIF Import Job** schedule.
- The new instruction `DynamicLinkAssignment` allows links to be created in cells of a configured report that open the view, editor, or wizard returned for each link in the query that the instruction is defined for. All functionality that was previously provided by the `DynamicLinkAssignment_Edit`

instruction is included as a subset in this instruction. As a result, the `DynamicLinkAssignment_Edit` instruction is no longer supported. After migration to Alfabet release 10.11, `DynamicLinkAssignment_Edit` instructions in existing queries must be changed to `DynamicLinkAssignment` instructions. To ease reconfiguration, all configured reports with a `DynamicLinkAssignment_Edit` instruction available in the current Alfabet database will be listed in the `Report Issues` tab of the Microsoft Excel® log file generated during upgrade of the meta-model to Alfabet release 10.11.

- If the **Has GetObjectsByFilter Access** API access option for the Alfabet RESTful services was granted in the server alias configuration to an Alfabet component or to a user in the **User** editor, the **Has DeleteObjects Access** and **Has Meta-Model Access** permissions were also automatically activated and could not be deactivated separately. This issue has been resolved. Access permissions have been de-coupled, but the access permission settings have not been changed and may still be incorrect in the alias or associated user records because of the issue. It is highly recommended that the access permissions for Alfabet RESTful services for both the alias as well as the user records are reviewed after migration to Alfabet release 10.11.
- Table usage information can be defined for job schedules in the editors available in the **Job Schedule** functionality. Users can define which database tables are either read or modified by the job schedule and select whether indexes shall be rebuilt after execution. This option provides a means to avoid index fragmentation caused by the batch update of data via the job schedule. It is also required for the correct queueing of the job schedule jobs in the event processing queue. If a running job currently changes data in the same database table targeted by the job schedule when the job schedule execution is due, execution will only start after the other job is finished. ADIF jobs that are based on ADIF will automatically inherit the table usage information from the ADIF job.
- The **Events** tab in Alfabet Expand Windows and the **Events** designer in Alfabet Expand Web have been renamed to **Reusable Elements**. This change has been made because resource bundle definitions for the new generic API integration are available as well as event templates. Please note that the **Events** tab in Alfabet Expand Windows had been relabeled **AEMF** in the Alfabet releases 10.7.X and 10.9.X.
- Microsoft® has announced the planned end of support for Microsoft® Internet Explorer® 11. Therefore, support for Internet Explorer 11 has been discontinued in Alfabet with the Alfabet release 10.11.

What's New in Alfabet 10.11 for Alfabet End Users?

This release contains many new capabilities and enhancements. These are described below:

Overview of Usability Enhancements

Each new Alfabet release includes many enhancements targeting easier configuration and product use. These are in response to issues brought to our attention by our customers as well as internal users. The following provides a short summary of the most significant enhancements made in this release regarding usability. For a detailed explanation of these features, see the section Detailed Description of Usability Enhancements.

- **Enhanced Interoperability with Microsoft Teams**: Move seamlessly from Alfabet architecture and portfolio views to their related MS Teams channels and back including calendaring and content syndication for exceptional collaboration quality.
- **HTML Formatting of Text in Editors, Object Cockpits, and Object Profiles**: Provide users an attractive and connected user experience using HTML formatting for all descriptive and informative text.
- **New Report Collections for Self-Service Discovery in Configured Reports**: View search query results in various contexts to find the most relevant expression of the data.
- **Enhanced Usability for Affected Architecture Definition**: Maintain the affected architecture easier with this new matrix-form report, use of stereotypes for class names, and selectors for adding new objects.
- **New Floating Group Box to Organize Reports in Object Cockpits**: Manage space and content more efficiently by creating collapsible, floating group boxes that wrap multiple widgets into a collapsible container.

- **Extended Scheduling Concept for Broadcast Messages**: Increase attention paid to important communications by scheduling broadcast messages for a specified period that is defined by start and end dates.
- **Clipboard Capability Extended to Read-Only Access Permissions**: Read-only users can save data in a standard page view or configured report to the clipboard.
- **Export of Alfabet Filters to XLS and XLSX Files**: Work more expediently with Excel tables by exporting and displaying filters as filters in the column headers in an XLS or XLSX file.
- **Improvements to Object Nodes in Branching Diagram Reports**: Enhance readability of branching diagrams by rendering object nodes as boxes with the label text displayed inside the box.
- **Automatic Execution of the AI-Enabled Data Quality Functionality**: Make transformation decisions based on high-quality information using AI techniques that can easily handle immense data stores and comfortably deal with data complexities.
- **Improved Visualization of Component and Technology Usage**: Enhanced Component Usage, Component Usage Gantt, and Technology Usage page views are easier to read with section headers that are only shown if relevant objects are available for that section of the table.
- **Better Workflow Messaging**: Ensures proper workflow step delegation by displaying an error message if a user delegating a workflow step has not selected the person to delegate the workflow step to.

Detailed Description of Usability Enhancements

A wide range of capabilities have been included in this release that enhance the usability of Alfabet. These are described in detail below.

- Enhanced Interoperability with Microsoft Teams
- HTML Formatting of Text in Editors, Object Cockpits, and Object Profiles
- New Report Collections for Self-Service Discovery in Configured Reports
- Enhanced Usability for Affected Architecture Definition
- New Floating Group Box to Organize Reports in Object Cockpits
- Extended Scheduling Concept for Broadcast Messages
- Clipboard Capability Extended to Read-Only Access Permissions
- Export of Alfabet Filters to XLS and XLSX Files
- Improvements to Object Nodes in Branching Diagram Reports
- Automatic Execution of the AI-Enabled Data Quality Functionality
- Improved Visualization of Component and Technology Usage
- Better Workflow Messaging

Enhanced Interoperability with Microsoft Teams

A number of extensions have been made to the implementation and integration with Microsoft Teams® to further support collaboration between relevant stakeholders and their ability to gather information, ideas, and feedback in order to make better decisions regarding the IT and business portfolio. For details about the configuration required to implement the enhancements, see the section Enhancements and Changes to the Interoperability with Microsoft Teams.

- If documents are available in the **Files** tab of the Microsoft Teams team channel connected to an Alfabet object, a link to the document can be added to the object's **Attachments** page view via the new button interaction **New** > **Add Web Link Based on MS Teams File Link**. Users can then select the link in the **Attachments** page view and click the **Open Document Using Default Program**  button in the toolbar to open the document in Microsoft Teams. This may be usefule for example, to link to recordings and transcripts of meetings associated with the Alfabet object associated with the channel or presentation material prepared and exchanged in the channel in preparation of important meetings discussing the channel object. A log in to Microsoft Teams is required to access the document.
- A new **All MS Teams Collaboration Topics** (`USER_TeamsCollaborations`) functionality is available that lists all Microsoft Teams collaborations that the user is participating in for all relevant Alfabet objects. From the view, the user can either open the conversation in Microsoft Teams or navigate to the object to open the collaboration panel to access the conversation.
- If posts in existing Microsoft Teams collaborations are written by users in the collaborations panel, they will be stored as unread for all users that are involved in the collaboration chat and users will be informed about the unread messages in the following views:.
  - In the collaboration channel, posts that the user has not yet seen will be marked with an icon.
  - The new **All MS Teams Collaborations** (`USER_TeamsCollaborations`) functionality displays the information about the number of unread posts.
  - The number of unread collaboration posts can be displayed in guide views via the new link type `Collaboration`. If a user clicks the link, the new **All MS Teams Collaborations** (`USER_TeamsCollaborations`) functionality will open. In the case of guide pages, the information and link are available via the **Personal Info** element.
  - The number of unread collaboration posts can be displayed as part of the personal info section in an object cockpit if a Value Control interface control of type `PersonalInfo` has been added to the object cockpit of an object class supporting Microsoft Teams integration.
- Microsoft Teams meetings can be scheduled directly from the Alfabet user interface. The caption of the **Open Collaboration Panel** button has been changed to **MS Teams Interactions**. The button has two new options **Show Collaboration Panel** and **Schedule Meeting**. Meetings can be scheduled for all objects of the object classes that show a **MS Teams Interactions** option even if the object is not connected to a Microsoft Teams team channel via the collaboration panel. Meetings scheduled in Alfabet will also be visible in the calendar of Microsoft Teams as well as the linked Microsoft Outlook calendar.
  - Whereas Microsoft Teams meetings that have been scheduled or changed in Alfabet are automatically available in Microsoft Teams, any meetings that have been scheduled or changed in Microsoft Teams are only available in Alfabet after they have been explicitly imported to Alfabet Clicking the **Schedule Meeting** option opens a new view that lists all Microsoft Teams meetings available in Alfabet and allows both a new meeting to be scheduled as well as an existing meeting to be imported to Alfabet.

    - The Microsoft Teams meetings that have been scheduled in or imported to Alfabet should be synchronized with changes in Microsoft Teams via the standard private ADIF import job `SynchronizeCalendarEvents`, which can be scheduled for execution in the **Job Schedule** functionality. The job will synchronize Microsoft Teams meetings available in Alfabet with the current changes performed in Microsoft Teams. The job will synchronize either all meetings or only meetings relevant to a specific object for the configured time period.
    - A new **My MS Teams Meetings** (`USER_MS_MyTeamsMeetings`) functionality is available to manage all Microsoft Teams meetings that were either scheduled in Alfabet or imported into Alfabet. In the functionality, users can accept or decline meetings they are invited to or propose a new time. They can also cancel meetings they have scheduled themselves or join a current meeting.
- The number of MS Teams meetings that have been created in or imported to Alfabet that are due today can be displayed in guide views via the new link type `MSTeamsMeeting`. If a user clicks the link, the new **My MS Teams Meetings** (`USER_MS_MyTeamsMeetings`) functionality will open. In the case of guide pages, the information and link are available via the **Personal Info** element.

HTML Formatting of Text in Editors, Object Cockpits, and Object Profiles

New HTML formatting capabilities enable users to format descriptive texts to better articulate important ideas, issues, and concepts. HTML editors can be configured to be implemented in editors, object cockpits, and object profiles for Description fields and other properties of type `Text`. The HTML editor provides formatting options that allow users to format texts by specifying font size and color, bulleted and numbered lists, and embedded tables. Furthermore, HTML text can be copied from a website, for example, and pasted in the HTML editor. Please note that previews and configured reports do not support HTML format and the text will be displayed in ASCII format in previews and reports. Furthermore, the HTML editor does not support embedded images.

Automated translation is supported for texts written in HTML format. Up to 5000 characters of HTML content can be translated via the automated translation capability. The solution designer can specify whether HTML content with more than 5000 characters shall be translated and displayed in ASCII format or not translated at all.

Details about the new configuration options required to implement embedded HTML editors are described in the section HTML Formatting of Text in Editors, Object Cockpits, and Object Profiles.

New Report Collections for Self-Service Discovery in Configured Reports

Report collections enable objects and their related users to be examined from multiple perspectives allowing a contextualized user/object analysis. This new feature puts object analysis from any desired angle in the hands of the user.

A collection of configured reports of any report type can be made available via a list of tabs in tabular configured reports. The configured reports in the report collection provide information about all objects in the dataset. The report collection is defined on the level of the class settings for object classes and object class stereotypes and will be identical for all configured tabular reports that find objects of the same object class or object class stereotype by means of the same user profile. With a report collection, tabular configured reports can provide an overview for a group of objects that are not structured in an explorer with groups or categories.

For information about the configuration requirements for this feature, see the section Enhancements and Changes to Reports Configuration.

Enhanced Usability for Affected Architecture Definition

- Alfabet The **Affected Architecture** page views for projects, demands, policies, risk mitigation templates, and measure types have been revised to display the configured captions for object class and object class stereotypes in the **New** menu, thus making it easier for users to recognize the objects in their solution configuration. The **Affected Architecture** page views will display an entry **Add <Object Class>** or **Add <Object Class Stereotype>** for each specified object class or object class stereotype configured in the new XML attribute `ArchitectureClasses` in the respective XML object in Alfabet Expand. If the XML attribute `ArchitectureClasses` is not specified, the standard object classes preconfigured by Software AG will be displayed. For details about the required configuration, see the section Extended Configuration for Affected Architecture Definition.
- When specifying architecture elements in the **Affected Architecture** page views for projects and demands, the selector that opens to define the relevant architecture element will be the selector specified in the class setting. This ensure that the correct selector is displayed when the architecture element is based on an object class stereotype.
- The class **Network** has been added to the **Affected Architecture** page views for projects, demands, policies as well as the **Implementing Architecture Elements** page view for policies.
- The classes **Value Stream** and **Service Product** have been added to the **Affected Architecture** page view for value nodes.
- The **Change Request Analysis** workspace has been added to the standard object profiles for locations, vendors, networks, technologies, and value streams in order to provide the necessary page views to specify the demands, policies, projects, and value nodes that affect the relevant architecture element.
- A new report template `AffectedArchReport` is available to create a matrix that allows any object relations managed via an architecture relation object class to be specified. The specification of an architecture relation class is required if an object class property of the type `ReferenceArray` targets objects of multiple object classes (for example, the affected architecture for projects and value nodes). The affected architecture report displays objects of the object class for which the relation is specified and object classes targeted by the relation in the column and row headers. Users can define objects to be referenced in the matrix. Objects of the architecture relation object class will be created automatically in the background. This provides the ability to restrict the definition of an affected architecture to a subset of the object classes that can be defined per default. The report can be configured to provide editing capability for the relations of a defined set of objects or for the base object only. When the affected architecture report is created for a single object it can also be rendered as a simple tabular report.

New Floating Group Box to Organize Reports in Object Cockpits

A new group box of type `Floating` is available for object cockpits. This new type of group box allows mutliple configured reports or report filters to be placed in it. The group box can be expanded and collapsed by users allowing the space in the object cockpit to be more efficiently used. When the user collapses the group box via the collapse (-) button, the group box will shrink to the height and width of the caption. The

user can click the expand (+) button next to the caption to open the group box to its full size. The new Group Box interface control supports the following:

- Two or more small, configured reports such as widgets or gauges can be placed inside the group box of type `Floating`, allowing the group box to be expanded and collapsed as needed. For example, widget reports available in an object cockpit could be placed in a group box and only displayed by the user when explicitly needed.
- Report filters available in the configured reports that are embedded in the object cockpit can be placed inside the group box of type `Floating`. The user can set the report filters, which are applied to all relevant reports displayed in the object cockpit. This supports a "what-if analysis" whereby the end user could change the filter settings to immediately display different results across multiple dimensions. The filters in the floating group box must use the same name as the filters in the reports embedded in the object cockpit

  Configuration details are displayed below in the section Enhancements to Object Cockpits and Object Views

Extended Scheduling Concept for Broadcast Messages

Broadcast messages can be scheduled for a specified period that is defined by start and end dates. The following changes have been made to the **Broadcast Messages** functionality.

- The new menu option **Create Scheduled Broadcast Message** has been added to the **New** menu. The **Start Date** and **End Date** fields must be defined in the **Broadcast Message** editor.
- The new columns **Start Date**, **End Date**, and **Is Scheduled Message** have been added to the **Broadcast Messages** functionality.
- The menu option **Create New Broadcast Message** has been changed to **Create General Broadcast Message** for the creation of a broadcast message that must be activated to be displayed.

Clipboard Capability Extended to Read-Only Access Permissions

Data in a standard page view or configured report can be saved to the clipboard even if the user has read-only access permissions to the view. Existing configured reports will be updated upon migration to Alfabet release 10.11.

Export of Alfabet Filters to XLS and XLSX Files

When exporting a dataset to an XLS or XLSX file, the filters in the view will be exported and displayed as filters in the column headers in the exported file. A flat list of data as well as data in expandable tables can be exported.

Improvements to Object Nodes in Branching Diagram Reports

- Object nodes can be rendered as boxes with the label text displayed inside the box. The size of the nodes in the report will adjust to the space required for the label text up to the configured maximium width and height. If text cannot be displayed in one row, it will be displayed over a maximum of three rows. If the text is still too long, it will be truncated. If no explicit tooltip is defined for the nodes, the complete text will be dipsplayed in a tooltip.
- The line style and weight for object node borders and links can be configured for the new rendering mode of boxes. Supported line styles include solid, dotted, and dashed.

Automatic Execution of the AI-Enabled Data Quality Functionality

The **AI-Enabled Data Quality Analysis** functionality can be executed via the **Job Schedule** functionality as an ADIF export job. This automates the process of triggering the functionality as opposed to having to manually execute it on a regular basis.

Improved Visualization of Component and Technology Usage

The **Component Usage**, **Component Usage Gantt**, and **Technology Usage** page views have been enhanced so that the section headers will only be shown if relevant objects are available for that section of the table.

Better Workflow Messaging

An error message will be displayed if a user delegating a workflow step has not selected the person to delegate the workflow step to.

Dynamically Composed Insights via an Enhanced Faceted Search Capability

Artificial intelligence (AI) capabilities in Alfabet provide users the possibility to ask questions to find information from the immense amount of data available in Alfabet. The **Dynamically Composed Insights** functionality (previously named **Faceted Semantic Search**) finds existing reports relating to the intent of a user query and even creates automatically-generated reports that are created ad-hoc to address the user's query. The **Dynamically Composed Insights** functionality removes the complexities of the underlying data model from the user so that non-technical users can find answers in the wealth of information held in Alfabet's repository.

The AlfaBot and the **Dynamically Composed Insights** functionality are currently only supported when the user interface is rendered in a dialect of English (inlcuding GB, IR, AU,etc.) and will be deactivated if the user interface is rendered in any other language. For details about the configuration required to implement the **Dynamically Composed Insights** functionality and other enhancements to the AlfaBot, see the section Changes to the Configuration of the AlfaBot.

The following enhancements have been made:

- The **Dynamically Composed Insights** functionality will be available in the user interface only if the AlfaBot is activated and the `Analyze` intent is activated. If only the **Dynamically Composed Insights** functionality is used, all other intents can be deactivated for the AlfaBot in the **AlfaBot Configuration** (`CONF_ChatBot`) functionality.
- The placeholder in the training phrases for the `Analyze` intent represents the user's search string. The name of the placeholder has been changed from `@report` to `@subject` to differentiate it from the placeholder `@report` which represents a configured report name for the `Navigate to Report` intent.
- Access to configured reports via the AlfaBot can optionally be restricted per user profile or per user. Solution designers with access to Alfabet Expand can configure a report that returns a different list of configured reports dependent on the current user profile or current user at runtime. The AlfaBot can be configured to only open or display configured reports that are in the current list. The restrictions configured with this method will be applied to both the navigation to configured reports via the ***Navigate to Report*** intent and the semantic search in reports via the ***Analyze*** intent.
- The search capability of the **Dynamically Composed Insights** functionality has been refined as described below:
  - User input is preprocessed prior to sending it to the search engine. The user input is analyzed for the presence of entities such as object class captions or their aliases, object stereotype captions, object property captions or their aliases, indicator type names, and role type names. In addition, the user input is analyzed for the presence of object names for any of the classes marked as navigable by the AlfaBot in the Alfabet meta-model. If strings match an entity name, the compound terms are emphasized in the search string sent to the search engine. The search engine will then only return results with the emphasized words as a match. The emphasis settings are fine-tuned if the current syntax returns either too many or no search results. The maximum number of results that may be returned is configurable.
  - A new Help button that provides a tooltip upon mouseover has been added to the **Search** field with information about how users can refine their query to provide better results by entering a comma-separated list of relevant keywords. Providing keywords helps to avoid irrelevant results based on insignificant words or individual words in compound terms in the search phrase. For example, for the question "`which business capabilities have low market differentiation`", you could enter "`business capability, market differentiation, low`" to exclude irrelevant matches for "`capability`", "`market`" or "`differentiation`".
  - To enhance usability and filtering capabilities for the result dataset, the following changes have been made to the facets in the **Dynamically Composed Insights** functionality:
    - Facets are only displayed if at least two filter options are available for selection.
    - A facet has been added displaying the sub-strings that are found as matches in the analysis. The user can exclude words from the list of matches to reduce the number of search results.
    - A facet for filtering reports according to base class has been added.
- The search results of the faceted semantic search may be amended with automatically-generated tabular reports that provide an answer to the user query. They are generated if the search mechanism is able to identify both the object class or object class stereotype of the objects that the user is looking for and either an indicator value for an existing indicator type, a user assigned a role for the object via an existing role type, or a value for an object class property based on an enumeration. An additional mechanism matches the user input via its semantic search to one of the

database views defined in the solution configuration and enabled for the AlfaBot. The automatically-generated reports target both database tables and database views. The following is relevant:

- The automatic generation of the reports must be activated via the configuration of the AlfaBot. The AlfaBot can be configured to generate reports automatically, search in existing configured reports, or do both. If automatically-generated reports are added to the search results, users can exclude either automatically-generated or configured reports from the result dataset via a **Report Type** facet filter field.
- The information about the reports in the search results includes whether the report is a configured report or automatically generated. In addition, a different icon is used to distinguish between both types of reports.
- If the automatically generated report reads the data from the database table of the object class identified as the base object class for the request, the resulting tabular dataset will display all object class properties of the data types `String`, `Text`, `Date`, `Integer`, and `Real` that are defined in the **Properties in Preview** and **Image Properties** attributes of the relevant class settings for the object class or object class stereotype. In addition, all object class properties that the user searches for are displayed. This includes information about the indicator type and indicator value or role type, if applicable.
- Automatically-generated reports will be generated from database views if the database view is configured to be applicable for the AlfaBot. The automatically generated report will show the dataset of the database view.
- Reports will not be generated automatically if the user is searching for information about an object class that is not accessible via the AlfaBot. The user profile permissions regarding excluded properties and evaluation types for indicators are also taken into consideration for automatically-generated reports.
- Automatically-generated reports will provide access to the report collection defined for their base object class or object class stereotype to provide additional information about the objects found in the report.
- Automatically-generated reports are stored persistently. They will be re-used and added to the result dataset for other similar user questions if the preview properties and access permission for the objects in the report are the same for the user profile that the report was created for and the user profile that the user is logged in with.
- Automatically-generated reports will be included in the dataset of the **Configured Reports** functionality if the user is currently logged in with a user profile that the automatically-generated report was created or re-used for. They are excluded from the **Configured Reports** functionality for all other user profiles and are not available in standard selectors. Administrators can view all automatically-generated reports in the **Reports Administration** functionality and change the availability for user profiles, user groups, and users.

- Intents can be deactivated to simplify use of the AlfaBot for the user community. If an intent is deactivated, it will not be taken into account when the AlfaBot attempts to match the user input to an intent. In addition, it will be removed from the list of intents displayed when the user first opens the AlfaBot in a user session. For example, if workflows have not yet been implemented, the workflow intent should be deactivated so that users are not confused. Only the intents that are listed when the AlfaBot is started can be deactivated. This can be done in the **AlfaBot Configuration** (`CONF_ChatBot`) functionality at the root level of the explorer. The Alfabet Web Application must be restarted to apply changes to the de-activation or re-activation of intents.

New Multi-Perspective Aspect Indicator Reports

In the past, Alfabet supported aspect evaluations for only applications in application groups and components in component groups. The aspect evaluation capability has been significantly revised to address a multi-perspective view of objects of any class in relation to other object classes that constitute a relevant factor in influencing the evaluation. For example, the new capability would allow business capabilities to be assessed for their competitiveness vis-á-vis a set of predefined competitor organizations.

The report template `AspectIndicatorsReport` has been introduced to capture and maintain "aspect"-related indicator data for objects. The aspect indicator report displays a matrix with edit capabilities. Indicator types and aspects are displayed in the configured row and column headers. The cells of the matrix display the indicator values, comments defined for the indicators, and the last update date. The report can be configured to provide editing capability for the aspect indicators of a defined set of objects or for the base object only.

Extended Functionality for Data Capture Templates

- A new data capture template is available to capture costs or income related to the business case as well as costs in cost accrual and cashout planning for the class **Project**. The definition of data capture templates to capture project costs is similar to the cost-based data capture templates introduced in Alfabet release 10.9.0 with the exception of the details provided below:
    - The **Extended Data Capture Templates** functionality has been enhanced to capture the business case definition for one or more fiscal years for a specified set of projects and cost types. To capture costs for business cases associated with projects, the **Enable for Data Capture Template** attribute must be set to `True` for the class `BudgetValue` as well as for the properties `Value, Owner, Year, Currency, MonetaryType` of the class `BudgetValue`.
    - The **Data Capture Template - Cost** editor has been extended to capture the definition of the business cases for projects. Please note the following:
        - The **Project Cost Definition Type** field must be set to **Business Case**.
        - If the **Dataset Provider** or **Sample Dataset Provider** attributes are defined, the configured report must return a report providing the references for `Project` and `CostType`. Only projects for which the `Type` property is set to `Project` will be exported.
        - The **Projects to Capture Costs** field allows the relevant projects to be populated in the drop-down field in the `Project` column in the XLSX file. For example, the drop-down field could show all projects that have no business case costs defined.
        - The **Cost Type** field allows either cost types or income types to be captured for the business case.
        - The **Class Properties** tab displays a row for each fiscal year represented for all relevant projects. Each relevant fiscal year should be selected to capture the business cases of projects.
    - The **Extended Data Capture Templates** functionality has been enhanced to capture cost accrual definition for one or more specified fiscal years for a specified set of projects and cost types. To capture the cost accrual for projects, the **Enable for Data Capture Template** attribute must be set to `True` for the class `BudgetValue` as well as for the `Value, Owner,`

`MonetaryCodeId, Year, Currency, MonetaryType` properties of the class `BudgetValue`.

- The **Data Capture Template - Cost** editor has been extended to capture the definition of the cost accrual for projects. The specification is similar to that of business cases with the following exceptions:
  - The **Project Cost Definition Type** field must be set to **Cost Accrual**.
  - The **Cost Definition Type for Import** field allows the user to specify whether request, current, or budget values shall be captured in the data capture template. The **Export Cost Definition Type** field should not differ from the **Cost Definition Type for Import** field.

- The **Extended Data Capture Templates** functionality has been extended to capture cashout planning data per month for a specified fiscal year for a specified set of projects and cost types. To capture costs for the cashout plan associated with projects, the **Enable for Data Capture Template** attribute must be set to `True` for the class `CashoutValue` as well as for the `Value, Owner, MonetaryCodeId, Year, Currency, MonetaryType` properties of the class `CashoutValue`.
  - The **Data Capture Template - Cost** editor has been extended to capture the definition of the cashout planning for projects. The specification is similar to that of cost accrual with the following exceptions:
    - The **Project Cost Definition Type** field must be set to **Cashout Planning**.
    - The **Cost Definition Type for Import** field allows the user to specify whether request, current, or budget values shall be captured in the data capture template. The **Export Cost Definition Type** field should not differ from the **Cost Definition Type for Import** field.
    - The **Fiscal Year** field must be defined. The months of the fiscal years will be displayed inthe **Class Properties** tab.
    - The **Class Properties** tab displays a row for each month of the specified fiscal year. Each relevant month should be selected to capture the cashout plan of projects.

- Only projects where the **Type** attribute is `Project` may be exported and imported in the context of data capture templates. The types `Scenario, Solution, Obsolete,` and `Baseline` are not supported in data capture templates.
- New projects may be created without a parent project in the context of the **Extended Data Capture Templates** functionality. For new projects created in the context of a data capture template, the validation of a parent project stereotype as specified in the configuration of the XML object ***ProjectManager*** will be skipped if the project in the data capture template does not specify a parent project.
- When new objects are created based on object class stereotypes in the context of a data capture template, the value specified for the object class stereotype in the XML attribute `IDPrefix` of the **Stereotypes** attribute defined for the relevant object class will be used as the ID prefix for the new object.
- A validation mechanism has been introduced to ensure that duplicate records in class-based and cost-based data capture templates are not imported in duplicate to the Alfabet database. For example, rows that have the same combination of object, cost type, monetary type and year for architecture costs or the same combination of project, cost type and year for business case costs

will not be imported. If a record with the same combination of values is specified in the XLSX file, the duplicate record will not be imported and an error message indicating that the record is a duplicate will be displayed in the XLSX file that is generated via the **Download Import Status Report** functionality.

- A validation mechanism has been introduced to check for cyclic references for class-based data capture templates that have references to the same class included in the definition. If a cyclic reference exists in the data being imported, an error message describing the cyclic reference will be displayed in the XLSX file that is generated via the **Download Import Status Report** functionality.
- A validation mechanism has been introduced to ensure that references specified for a record in the XLSX file to a non-existing object will not be imported and will be discarded with an appropriate error message. If the reference object no longer exists in the Alfabet database, an error message describing the invalid reference will be displayed in the XLSX file that is generated via the **Download Import Status Report** functionality.
- The user that initiates the import of a data capture template will be specified as the user for the **Last Update User** attribute for objects that are updated as well as for the **Creation User** attribute for objects that created. This will apply to data capture templates imported via synchronous execution and asynchronous execution if the server alias setting **Use Event Queue for All Jobs** is activated.
- The selection of configured reports in the **Dataset Provider**, **Sample Dataset Provider**, **Projects to Capture Cost** fields, and the **Reference Class Filter** field in the **Class Properties** tab in the data capture template editors has been revised to ensure that reports relevant to the data capture template definition are displayed.

  Configured reports can only be selected in the field if they are specified as applicable for data capture templates via the **Category** attribute setting, and if the semantic analysis of the configured report reveals that the configured report returns `REFSTR` values of the relevant object class or object classes.
- The caption for the **Export Record Provider** and **Sample Record Provider** in the data capture template editors has been changed to **Dataset Provider** and **Sample Dataset Provider**.

Enhancements to Project Management

- New projects can be created as copies of existing projects. A new **Create Project as Copy** option has been added to the **Capture Projects** page view and a new **Create Sub-Project as Copy** option has been added to the **Project, Skill Request, and Resource Request Time Schedule** and **Project, Skill Request, and Resource Request Time Schedule (Gantt)** page views. The **Create Project as Copy** functionality is also available in the report template `CaptureProject`. Upon creation of the new project, the following will be copied from the base project to the new project: The project's attributes and custom properties, references to the parent project and the primary object for which the project was created, mandate assignments, roles, deputies, references to project groups, subordinate projects, indicators, read-only cost types, currency references, business case, project bucket allocation, affected project architecture, project milestones, skill requests, organizations providing resources, measure type architecture connections, value node architecture connections, and the migrations owned by the base project.
- The milestones defined for a project can be shifted based on the start and end dates defined for the project in the **Shift Start/End Dates** editor available in the **Project, Skill Request, and Resource Request Time Schedule** and **Project, Skill Request, and Resource Request Time Schedule**

(Gantt) page views. A new **Shift Milestone Dates** checkbox has been added to the **Shift Start/End Dates** editor.

- The fiscal years specified for the values in a business case can be shifted according to the start and end dates defined for the project in the **Shift Start/End Dates** editor. The XML attribute `RetainBusinessCaseValues` in the XML object ***SolutionOptions*** must be explicitly changed to `True` if the fiscal year of all existing business case values shall automatically align to changes made to the project's start year. The new XML attribute `RetainBusinessCaseValues` available in the XML object ***SolutionOptions*** has been set to `False` per default to support backward compatibility.
- The **Project Dependency** page view has been changed to allow the user to specify projects that are dependent on the selected project as well as the projects that the selected project is dependent on. The **Create Project Dependency** option in the **New** menu has been removed and the new options **Specify Project Dependent on Current Project** to specify projects that are dependent on the selected project and **Specify Project Dependent for Current Project** to capture the projects that the selected project is dependent on have been added.
- A new **Add Existing Project** option has been added to the **Relevant Projects** page view available in the object profile of all relevant architecture classes like **Application**, **Business Process**, or **Organization** in order to add an architecture object to an existing project from the perspective of the architecture object. A **Detach** button has also been added to the view.
- If a matching person is found for a resource for project tasks that are imported via an MPP file from Microsoft® Project, the person is associated with the relevant skill request in Alfabet. This has been extended so that the person will also be specified for the capacity assignment definition for the relevant skill request.
- The ID prefix specified for project stereotypes via the **Stereotypes** attribute of the class **Project** will be specified for the projects that are imported via an MPP file from Microsoft®.

New Capability to Capture Successor Contracts

- Successor contracts can be created in order to support the renewal of contracts. A contract may only have one predecessor contract but may have many successor contracts. When a successor contract is created for an existing contract, the basic attributes of the predecessor contract as well as any defined contract items and contract deliverables will be copied to the successor contract. Successor contracts can be created in the **Capture Contracts** functionality as well as the **Contracts** page view for a contract group and the **Contract Schedule** page view.
- A new **Successor Contracts Report** page view is available that shows a contract's successor contracts.
- The `CaptureContracts` report template has been extended to include the successor contracts functionality.
- A new **Predecessor** property has been added to the object class **Contract**. The **Predecessor** attribute has also been added to the standard **Contract** object view.
- The **Stereotype** column has been added to the **Contract** selector.

New Capability to Capture Business Dimensions

A new concept of business dimensions has been added to articulate which channels, customer segments, brands, or markets are required for a business function and in turn which channels, customer segments, brands, or markets a business service addresses. The following has been implemented to support capturing business dimensions:

- The new object class **Business Dimension** has been introduced. The business dimension allows business functions and business services to be associated with business dimensions such as brands, customer segments, markets, and sales channels.
- A new **Business Dimension** page view has been added to the standard object profiles for business functions and business services. The view allows brands, customer segments, markets, and sales channels to be assigned to the business function or business service and relevant comments to be written. If a business service is created for a business function, all existing business dimensions defined for the business function will be copied to the business service.
- Evaluations, attachments, and associated workflows can be specified for each specified business dimension in the object profile of the **Business Dimension Connection**.

Enhancements to Technical Architecture Definition

- The **Component Usage**, **Component Usage Gantt**, and **Technology Usage** page views have been enhanced so that only the section headers will be shown if relevant objects are available for that section of the table.
- The view options in platform architecture views has been enhanced in order provide insight into which platform elements are based on embedded standard platforms. The following has been added to the **View** menu of the **Standard Platform Architecture**, **Solution Standard Platform Architecture**, **Platform Architecture**, and **Solution Platform Architecture** page views:
    - The **Show Base Standard Platform** option has been added to represent the previously existing functionality that shows all the standard platform elements in the (application) platform resulting from the embedding of a standard platform as well as any standard platform elements selected via the **Add Existing Standard Platform** functionality. If selected, the standard platform elements will be colored according to the color of the base standard platforms as shown in the legend.
    - The new **Show Embedded Standard Platform** option has been added to show the standard platform elements that have been added via the **Copy Elements from Standard Platform** functionality. If selected, the embedded standard elements will no longer be colored according to the color of the base standard platforms.
- The **Add Existing Standard Platform** and **Copy Elements from Other Standard Platform** options have been added to the **New** menu in the **Standard Platform Architecture** page view.
- A new **ID** attribute has been added to the classes **Device Composition** and **Device Detail**. The ID will be displayed in the new ID column available in the **Used Devices**, **Using Devices**, **Device Details** page views.

Other Solution Enhancements and Changes

- A new **Header/Footer Settings** tab has been added to the **Export Page Setup** dialog that allows you to define the settings to export all views to a DOC or PDF file. The new **Header Text** and **Footer Text** fields allow you to include the caption of the currently selected object and view, timestamp of the export, the user name of the person exporting the data, and the name of the server alias that Alfabet is running on. The header and footer settings will be saved in the user's context settings.
- The **Level ID** column will be used to sort the order of domains displayed in the **Associated Domains** page view, **Root Domains** page view, **Subordinate Domains** page view for a domain, and **Domains** page view for a domain group. The domains can be differently ordered based on the sorting mechanism for other columns (such as **Name**) available in the dataset.
- In the **Solution Domain Object Assignments** page view for a solution domain, the referenced objects that may be reassigned for a domain that is proposed for deletion has been extended to include the following classes: **Role, Demand, Functional Module, Project, IT Strategy Map, Master Plan Map,Business Support, Business Appraisal, Solution Map, Strategic Business Support, Tactical Business Support, Value Node, Policy** (affecting policies and implemented policies) as well as the responsible user groups and references associated with custom properties of tpe `Reference`.
- In the **Assign Objects** page view for a solution business process, references to custom properties will be included with the referenced objects that may be reassigned for a business process that is proposed for deletion.
- A new **Delete Subordinate Hierarchy** button has been added to the **Root Value Nodes** and **Subordinate Value Nodes** page views and replaces the **Detach** button, which has been removed from those views. Furthermore, a new **Delete Entire Strategy Network** button has been added to the **Root Value Nodes** page view that when clicked will delete all subordinate hierarchies in the value node hierarchy.
- 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 with the method available in other views. Consequently, the **Edit** button that opened the editor to define business data usage has been removed.
- A new **Business Question Group** page view is available in the object profile for business questions. A business question can be assigned to multiple business question groups in the **Business Question Group** page view for a business question.
- The **Control Documents** and **Object Documents** tabs will not be visible in the **Update Evaluations** editors available in the **Evaluations by Controls** and **Evaluations by Objects** views if no documents have been attached to the compliance object or compliance project control.
- If no attachments have been assigned to a demand used to create a new project, the Attachments tab will not be visible in the **Create New Project Based on Demand** editor (`DEM_CreateProjec_Editor`).
- The **Attachments** page view has been simplified for the user The **Document Type** column is only displayed if the object has both documents and Web links assigned to it. The **Shared** column is only displayed if the object has at least one document attached. Custom properties of the class `ALFA_URI` may be added to the dataset using via the **Configure** button.
- A **Maintained with Alfabet Data Integration Framework** checkbox has been added to the **Indicator Type** editor. The checkbox should be selected for all indicators that are automatically

calculated or imported via an ADIF job. If selected, the indicator will be displayed as computed and thus be read-only in the **Evaluation** page view as well as reports based on the `EvaluationReport` template.

- Objects based on object class stereotypes will be displayed in the **Object Usage Tracking** (`USER_LastVisitedObjects`) page view if the **Consider In Recent Objects** attribute is set to `True` for the class setting of the relevant object class stereotype.
- The **Create Bookmark** and **Mail Express View** options are available for the root node of custom explorers configured to display a console report.
- The **Analytics Dashboards** functionality is supported if reverse proxy is implemented for the Alfabet Web Application.
- The standard icon displayed for **New** buttons has been added to the **New** button in configured multi-lane Kanban reports.
- The **Name** column in AI-enabled data quality reports displays the information about objects like they are displayed in explorers instead of with just the name only.
- The following enhancements have been made to node arc reports:
  - If a node arc report displays nested nodes, the value defined forthe **Diagram Item Size** filter will be ignored because sizing definitions are optimized in the report definition.
  - The layout algorithm for node arc reports with nested nodes has been improved.
  - If the new **Allow Others to View Saved Diagram** attribute in the root node of the report assistant for configured node arc reports is set to `True`, users with edit permissions for the base object of the node arc report can define a diagram layout for the report that will then be shared with all users. If another user opens the node arc report for the same base object, the shared layout can be displayed. Users with edit permissions to the base object of the node arc report can change or delete the shared layout. The captions of the **Change Layout** and **Delete Saved Layout** buttons will be changed to **Change Saved Layout** and **Delete Shared Layout** if the layout is changed so that the user understands that any change to the layout will also change the view for other users.
- The following enhancements have been made to the implementation of the AlfaBot:
  - Intents can be deactivated to simplify use of the AlfaBot for the user community. If an intent is deactivated, it will not be taken into account when the AlfaBot attempts to match the user input to an intent. In addition, it will be removed from the list of intents displayed when the user first opens the AlfaBot in a user session. For example, if workflows have not yet been implemented, the workflow intent should be deactivated so that users are not confused. Only the intents that are listed when the AlfaBot is started can be deactivated. This can be done in the **AlfaBot Configuration** (`CONF_ChatBot`) functionality at the root level of the explorer. The Alfabet Web Application must be restarted to apply changes to the de-activation or re-activation of intents.
  - The **Enable FAQ Bot** option has been removed from the **User Settings** editor because the underlying functionality is not yet implemented.
- The **Regenerate All Passwords** and **Regenerate Empty Passwords** options in the **User Administration** functionality may require more time than usual if the Alfabet database has a high number of users. To avoid that user administrators must wait for the entire interaction to be completed prior to performing other tasks in Alfabet, these functionalities will be executed asynchronously via the Alfabet server.

- The **Picture** field available in the **Personal Info** dialog may be hidden for all users in the enterprise. A new XML attribute `EnableUserPersonalInfoPictureControl` in the XML object ***SolutionOptions*** allows the **Picture** field to be enabled (`True`) or disabled (`False`). If disabled, the **Picture** field will be removed from the editor. The picture is enabled per default.
- A new **User Group** editor (`USRG_WithExternalID_Editor`) is available that provides an **External ID** field for user groups that are imported from SAML or LDAP.
- Table usage information can be defined for job schedules in the editors available in the **Job Schedule** functionality. Users can define which database tables are either read or modified by the job schedule and select whether indexes shall be rebuilt after execution. This option provides a means to avoid index fragmentation caused by the batch update of data via the job schedule. It is also required for the correct queueing of the job schedule jobs in the event processing queue. If a running job currently changes data in the same database table targeted by the job schedule when the job schedule execution is due, execution will only start after the other job is finished. ADIF jobs that are based on ADIF will automatically inherit the table usage information from the ADIF job.
- The specification of the export file has changed when running export jobs for ADIF schemes in the **ADIF Jobs Administration** functionality. The.`zip` file extension will be added automatically during processing. Users specifying a file name with an extension other than.`zip` will be prompted to removed it from the file name.
- The placement of a custom logo in the masthead when the user interface is rendered in Arabic has been modified to remove unwanted space to the right of the custom logo.

What's New in Alfabet 10.11 for Solution Designers?

The following is relevant to solution designers using the configuration tool Alfabet Expand.

- Additional Changes to Solution Configuration Capabilities in Alfabet Expand

Enhancements and Changes to the Class Model

- Database columns are added to class tables when new cultures are added to the class model, new properties are created for a class, and when the **Enable Data Translation** attribute or the **Can Have HTML Content** attribute for a class property are set to `True`. A validation mechanism has been introduced to ensure that the maximum number of 1024 columns for databases hosted on Microsoft® SQL Server® and 1000 columns for databases hosted on Oracle® is not exceeded.
- A new **Can Have HTML Content** attribute has been added to properties of the type `Text` to allow texts to be captured in HTML format. When set to `True`, the texts will be stored in the database in ASCII format as well as HTML format. As a result, additional columns will be added to the relevant class table. The column name for the text with HTML format will consist of Class.Property.TechName, the ISO-code of the translated language, and the suffix _RT (rich text). Due to the implementation of _RT columns in the database tables, the number of characters that may be used for the technical name of a property that supports HTML and shall be translated is restricted to 23 characters.
- The default naming convention for class settings for combinations of class and stereotype has been changed. The new default naming convention is {Class.Name}_{Stereotype.Name}.
- A new property type `Picture` is available and ma be used for custom properties to allow pictures of up to 100 KB to be embedded in object cockpits. The custom property of type `Picture` must be created and assigned to the object cockpit via an ordinary Value Control interface control of type `Picture`.
- The unique keys for the following classes have been changed from Private to Protected in order to allow the unique key definition to be adjusted, for example, in the context of integration set-up: `BusinessRole. ConnectionDataFormat, ConnectionFrequency, ConnectionMethod, ConnectionType, ITPolicy, ITPolicyGroup, ServiceProduct` and `Skill`.
- A new `ID` property has been added to the classes `DeviceComposition` and `DeviceDetail`.
- New object class properties have been added to the object class `ALFA_SEMANTICSEARCH_PROCESSED_QUERY` to store the information about automatically-generated reports for a processed query:
  - The `ANALYZEINTENTTYPE` property stores the information whether the AlfaBot is configured to generate automatic reports.
  - The `ADHOC_RESULTS_COUNT` property stores the number of reports that were automatically generated to be considered as answers for the user query.
  - The `USER_PROFILE` property stores the name of the user profile that the user was logged in with when making the request.
  - The following object class properties of the object class `ALFA_SEMANTICSEARCH_PROCESSED_QUERY` were renamed:
    - The `PROCESSED_QUERY` property has been renamed to `SEMSEARCH_PROCESSED_QUERY`.
    - The `ENTITY_EMPHASIS` property has been renamed to `SEMSEARCH_ENTITY_EMPHASIS`.

    - The `RESULTS_COUNT` property has been renamed to `SEMSEARCH_RESULTS_COUNT`.
    - The `USEWORDNETRELATEDWORDS` property has been renamed to `SEMSEARCH_USEWORDNETRELATEDWORDS`.

- The new properties `EnablingViews` and`EnablingReports` have been added to the class `BusinessQuestion` to allow the views and custom reports to be specified that enable business questions to be answered. The `EnablingViews` property refers to the classes `ALFA_PM_OBJECTVIEW_INFO`, `ALFA_PM_COCKPIT_INFO`, and `ALFA_PM_PAGEVIEW_INFO`, and the `EnablingReports` property refers to the class `ALFA_REPORT`.
- The object class properties `CREATION_DATE` and `CREATION_USER` have been added to the object classes `ALFA_REPORT` and `ALFA_REPORT_FOLDER`.
- The object class properties `CREATION_DATE` and `CREATION_USER` have been added to all `ALFA_PM_INFO` and `ALFA_MM_INFO` classes. Upon migration to Alfabet release 10.11, these properties will be set to the current date when the migration occurs for all records that already exist at the time of migration.
- Additional object classes have been added to the Alfabet class model to store information about the current presentation model configuration. The object classes representing configuration objects enable solution administrators to configure reports about the current configuration of the presentation model.
    - `ALFA_PM_CLASS_SETTING_INFO`: The **Alfabet Presentation Model - Class Setting - Information** class stores information about the configuration of class settings.
    - `ALFA_PM_SELECTOR_INFO`: The **Alfabet Presentation Model - Object Selector - Information** class stores information about the configuration of selectors.
    - `ALFA_PM_VIEWSCHEME_CLASS_INFO`: The **Alfabet Presentation Model - View Scheme (Object Class) - Information** class stores information about the view scheme configuration for object classes and object class stereotypes.
    - `ALFA_PM_VIEWSCHEME_INFO`: The **Alfabet Presentation Model - View Scheme - Information** class stores information about the configured view schemes.
    - `ALFA_PM_VIEWSCHEME_VIEW_INFO`: The **Alfabet Presentation Model - View Scheme (Graphic View) - Information** class stores information about the object views, page views, configured reports, and editors in the view scheme configuration.
    - `ALFA_PM_PO_INFO`. The **Alfabet Presentation Model - Presentation Object - Information** class stores information about presentation objects.
    - `ALFA_PM_PO_ITEM_INFO`. The **Alfabet Presentation Model - Presentation Object Item - Information** class stores information about the class items associated with the presentation objects.
    - `ALFA_PM_PO_USAGE_INFO`. The **Alfabet Presentation Model - Presentation Object Usage - Information** class stores information about the usage of presentation objects in graphic views, configured reports, and editors.
    - `ALFA_PM_GRAPHICVIEWDETAIL_INFO`. The **Alfabet Presentation Model - Graphic View Detail - Information** class stores information about the interface controls defined in graphic views.

- `ALFA_PM_PO_BUTTON_INFO`. The **Alfabet Presentation Model - Presentation Object Button - Information** class stores information about the buttons associated with presentation objects.
- `ALFA_PM_VS_EXCLUDEDBUTTON_INFO`: The **Alfabet Presentation Model - Excluded Interface Controls (Presentation Object) - Information** class stores information about the interface controls that have been hidden in the presentation object.
- `ALFA_PM_VS_EXCLUDEDCONTROL_INFO`: The **Alfabet Presentation Model - Excluded Interface Controls (Wizard) - Information** class stores information about the interface controls that have been hidden in the wizard.
- `ALFA_PM_VS_EXCLUDEDVIEW_INFO`: The **Alfabet Presentation Model - Excluded Views - Information** class stores information about the views that have been excluded in the view scheme.
- `ALFA_PM_VS_SELECTOR_OVERWRITE_INFO`: The **Alfabet Presentation Model - Overwritten Selector (View) - Information** class stores information about the selectors that have been overwritten in the view scheme.
- `ALFA_PM_WIZARD_SELECTOR_OVERWRITE_INFO`: The **Alfabet Presentation Model - Overwritten Selector (Wizard) - Information** class stores information about the selectors that have been overwritten in the wizard.

New Embedded HTML Editors for Properties of Type Text

HTML editors can be configured for Memo interface controls in editors, object cockpits, and object profiles. The HTML editor provides formatting options that allow users to format texts by specifying font size and color, bulleted and numbered lists, and embedded tables for properties of the type `Text`.Previews and reports do not support HTML format and display text properties in ASCII format. Furthermore, the HTML editor does not support embedded images.

The following configuration options have been introduced to support the implementation of HTML text:

- A new **Can Have HTML Content** attribute has been added to standard and custom properties of the type `Text`. The attribute must be set to `True` to use HTML formatting when capturing the property in editors, object profiles, and object cockpits. For the property **Description** inherited from the class `Artifact`, the **Can Have HTML Content** attribute is available in the **Local Settings** section of the attribute grid. If the **Can Have HTML Content** attribute is set to `True` for a protected property, the HTML editor may be implemented for the property for all object class stereotypes specified for the parent object class.
- A new **HTML Content** attribute is available for Memo interface controls created for properties that can have HTML content in standard and custom editors. The **HTML Content** attribute will automatically be set to `True` for the associated Memo interface control in the standard and custom editor. The **HTML Content** attribute can be changed to `False` if needed.
- The defined HTML text can be configured to be displayed in the object profile and object cockpit. A new **Enable HTML Content** attribute is available for a property in the **Attributes** section of a standard and custom object profile as well as for the Value Control interface control in an object cockpit. The attributes will be automatically set to `True`. The HTML editor will also be available to edit the property directly in the user interface of the object profile or object cockpit if write permissions are available for the Memo interface control. The **Enable HTML Content** attribute can be changed to `False` if needed.

- New mechanisms have been introduced to copy and generate the original custom editors as HTF (HTML-format supported) editors. This ensures that Memo interface controls are correctly sized in standard and customeditors and the layout of other interface controls in the editor are adjusted accordingly. The following has been implemented to automatically update the editors to support HTML support:
  - A new **Generate HTF Editors** option is available in the context menu of the class node of all object classes of type `Text` for which the **Can Have HTML Content** attribute is set to `True`. This action copies the orignal standard and custom editors configured for the class and creates HTF editors for each original standard and custom editor. These editors are placed under a node **HTF** below the **Editors** and **Custom Editors** nodes in Alfabet Expand respectively. These editors are public thereby allowing customers to make further layout changes.
  - A new **Generate HTF Editors** option is available in the context menu of the **Custom Editors** node. This action copies all original custom editors with Memo interface controls and creates HTF editors for each original custom editor. The original custom editors will be copied below the **HTF** node in the **Custom Editors** folder and appended with the suffix `_HTF`. Private editors as well as editors configured to replace standard editors can be updated via the **Generate HTF Editors** option on the **Editors** node.
  - The **Show Usage for Original Custom Editor** option will be available for each HTF editor. This option provides information about the usage of the orginal custom editor in class settings, object views, view schemes, wizards, and workflows so that the user can decide whether to update the copied HTF editor to those usages.
  - The option **Update All Possible Usages for Original Editor** option will also be available for each HTF editor. This option allows the definition of the original standard or custom editor to be replaced by the associated HTF editor for all relevant public class settings, object views, view schemes, wizards, and workflows. Please note that only public class settings, object views, view schemes, wizards, and workflows will be updated. Private configuration objects preconfigured by Software AG will not be updated.
- Automated translation is available for HTML texts including embedded tables if the **Enable Data Translation** attribute is set to `True` for the custom property. Embedded URL links will not be translated. Please note the following:
  - Columns will be added to the relevant class table in the database for properties for which the **Can Have HTML Content** attribute has been set to `True`. This ensures that texts will be stored in the database in ASCII format as well as HTML format. The column name for the text with HTML format will consist of Class.Property.TechName, the ISO-code of the translated language, and the suffix _RT (rich text). Due to the implementation of _RT columns in the database tables, the number of characters that may be used for the technical name of a property that supports HTML and shall be translated is restricted to 23 characters.
  - Because most translation engines impose a limitation on the maximum number of characters submitted for translation, any HTML that exceeds 5000 characters will not be translated. In order to specify how the translation mechanism in Alfabet shall deal with HTML that exceeds 5000 characters, a new XML attribute `TranslateContentExceedingHTMLLengthLimit` has been added to the XML object ***AlfaTranslationServicesConfig***. If set to `False`, automated translation will not be performed if the text in HTML or ASCII format exceeds 5000 characters. Object profiles and object cockpits will display the non-translated HTML-formatted text. If set to `True`, the text in HTML format will be translated and displayed as ASCII format in object profiles and object cockpits in the relevant translated languages.

Extended Configuration for Affected Architecture Definition

The **Affected Architecture** page views for projects, demands, policies, risk mitigation templates, and measure types have been revised to display the configured captions for object class and object class stereotypes in the **New** menu, thus making it easier for users to recognize the objects in their solution configuration. The **Affected Architecture** page views will display an entry **Add <Object Class>** or **Add <Add Object Class Stereotype>** for each specified object class or object class stereotype configured in the respective XML object. If the XML attribute `ArchitectureClasses` is not specified, the standard object classes preconfigured by Software AG will be displayed. The following configuration is necessary:

- A new XML attribute `ArchitectureClasses` has been added to the XML objects ***ProjectManager***, ***DemandManager***, and ***ITPolicy Manager*** that allows the object classes and object class stereotypes that may be defined as affected architecture elements in the **Affected Architecture** page views for projects, demands, and policies to be specified.
- A new XML object ***AffectedArchManager*** has been introduced in order to specify the affected architecture for the classes **Risk Mitigation Template** and **Measure Type**. This XML object is also used to specify the affected architecture classes for the newly introduced class `GenericAffectedArch`.

Enhancements to Object Cockpits and Object Views

- A new group box of type `Floating` is available that allows multiple configured reports to be wrapped into a container which can be expanded and collapsed as needed, thus ensuring that space is used more efficiently in object cockpits. Two or more Presentation Object interface controls can be placed inside a group box of type `Floating`.

  Furthermore, the group box of type `Floating` can also be used as a container for report filters available in the configured reports that are embedded in the object cockpit. Users can set the report filters, which are applied to all relevant reports displayed in the object cockpit. This supports a "what-if analysis" whereby the end user could change the filter settings to immediately display different results across multiple dimensions. The following has been changed regarding the configuration of the Group Box interface control:

  - The **Height** and **Width** attributes must be explicitly set for a Group Box interface control for which the **Sub-Type** attribute has been set to `Floating`. The group box should be larger than the height and width of the interface controls placed inside it.
  - The following configuration is required for a Group Box interface control that shall contain report filters:
    - Report filters that are configured for reports embedded in the object cockpit must also be placed directly in the Group Box interface control. It is possible to simply copy and paste the filter controls from the reports that the filters interact with into the floating group box of the object cockpit.
    - The **Refresh on Submit** attribute must be set to `True` for each report embedded in the object cockpit that the filters shall apply to.
    - To apply the filters, a button may be created to execute the filters and placed in the Group Box interface control. The **Submit** attribute must be set to `True` for the button. Alternatively, the **Submit** attribute of all filters in the group box can be set to `True`.

    - The new **Save Context** attribute has been added to the attribute grid for the object cockpit. This attribute should be set to `True` so that the user context settings for the filters can be saved.

- Pictures of up to 100 KB can be embedded in object cockpits. A custom property of type `Picture` must be created and assigned to the object cockpit via a Value Control interface control. If the **Auto Size** attribute is set to `True` for the value control, the image will be rendered according to its original size. If the **Auto Size** attribute is set to `False`, the width will be based on the specification of the **Width** attribute and the height will be rendered based on the aspect ratio of the original image.
- The number of Microsoft Teams meetings scheduled for the current day and the number of unread MS Teams collaboration posts can be displayed as part of the personal info section in an object cockpit if a Value Control interface control of type `PersonalInfo` has been added to the object cockpit of an object class supporting Microsoft Teams integration.

New API for Integration to External Applications Having an OpenAPI Specification-Based RESTful API

A new API is available to interface with any external application offering a RESTful service API with an OpenAPI specification file (OAS). Import of data to and export of data from Alfabet can be configured by the customer based on the OpenAPI specification. The definition of the API requires the following configuration steps in Alfabet Expand :

- The new XML object ***GenericAPIIntegrationConfig*** allows the connection to the RESTful API of the external application including access permission specification and optional specification of a user agent string to be defined. HTTP and OAuth authentification is supported. Server variables can be used in the definition to avoid direct specification of sensitive access data in the XML object. The connection can optionally be routed via a proxy. Connections to different RESTful APIs can be defined in the XML object ***GenericAPIIntegrationConfig***.
- A resource bundle must be defined via the context menu of the **Resource Bundles** node in the **Reusable Elements** explorer. The **Bundle Type** must be set to `OpenAPISpecification` and the **Assistant** attribute must be set to `GenericAPIIntegration_OASAssistant`. The assistant can then be opened via the context menu of the resource bundle to define the data integration. The OpenAPI specification file must first be imported to the assistant. The calls to the API endpoints can then be configured for both data import and export on basis fbased on the Swagger definition in the OpenAPI specification file. Multiple calls to different endpoints can be defined in the assistant.
- A database connection definition of the new database connection type **Generic API Integration Database Connection** must be defined in the **Integration Solutions Configuration** functionality in the Alfabet user interface. The database connection specifies which connection definition from the XML object ***GenericAPIIntegrationConfig***, which resource bundle, and which call to an endpoint defined in the resource bundle are relevant for the connection. One database connection must be defined for each call defined in a resource bundle. Authorization details must also be specified.
- To specify Alfabet data to export to the external application and to specify Alfabet data that needs to be provided with calls to the RESTful API of the external application, a configured report must be defined that provides the data in the required format. Many of the resources in an OpenAPI REST API will use parameters to navigate the resource network of the API. For example, an API for Project Tasks would typically use a {Project} parameter in the call structure. These parameters must be replaced at runtime and will be provided via a report. The URL for the REST API call is generated at runtime from the URL with parameter placeholders defined in the XML object ***GenericAPIIntegrationConfig*** and the parameter values returned via the report. The report must

return a simple tabular dataset and must be assigned to a category defined in the XML object ***UseCaseCategories*** for the new use case `GenericOASIntegration`.

- An ADIF import or export scheme must be generated via the `GenericAPIIntegration_Assistant` that handles both import and export of data. The assistant will automatically generate the information about temporary tables generated during import for ADIF import. In addition, handling of response requests for data export can be configured. Response information can be mapped to standard or custom object class properties of the exported object class.

Enhancements and Changes to the Interoperability with Microsoft® Teams

- A new XML attribute `MaxNumPagesReadInRequest` has been added to the XML element `MicrosoftTeamsIntegrationInfo` of the XML object ***Microsoft TeamsIntegrationConfig***. The XML attribute `MaxNumPagesReadInRequest` specifieds the maximum number of pages that shall be loaded from the Microsoft Teams file drive to fill the selector that opens when a user sets a link in the **Attachments** page view to a document in Microsoft Teams. The default of one page returns a maximum of 200 objects. The maximum allowed setting is 10.
- Microsoft Graph permissions are required to schedule Microsoft Teams meetings in Alfabet and to set links to files in Microsoft Teams. The `Calendars.Read`, `Calendars.Read.Shared`, and `Calendars.ReadWrite` Microsoft Graph permissions are required to schedule Microsoft Teams meetings. The `Files.Read.All` Microsoft Graph permission is required to read the documents to the selector in order to link the documents.
- Handling of permissions for the Microsoft Teams® integration has been expanded. Whereas in Alfabet release 10.9 most permission settings had to be `Application` permissions, this has been extended with Alfabet release 10.11 to give customers the choice to use `Application` permissions or `Delegated` permissions wherever the Microsoft Graph API interactions would permit. As a result and following the advice from MS Teams system administrators, the default permissions have been set to `Delegated` wherever this is supportable. Customers that have implemented Microsoft Teams integration in Alfabet release 10.9 must either change the permission configuration in Microsoft Azure® to `Delegated` permissions or change the default permission handling to `Application` permissions in the XML object ***Microsoft TeamsIntegrationConfig***. Upon migration to Alfabet 10.11, the required entries are added in commented lines to the XML object ***MicrosoftTeamsIntegrationConfig***. To change the permission handling to using the `Application` permissions for a specific action, the comment markers must be removed for the respective line.
  - Permissions that were handled as `Delegated` permissions in previous releases cannot be changed to `Application` permissions.
  - The synchronization of Microsoft Teams meetings via ADIF job uses `Calendar.ReadApplication` permissions. This behavior cannot be changed. The Microsoft Teams meeting management on the Alfabet user interface requires `Calendar.ReadDelegated` permissions. The `Delegated` permissions can optionally be changed to `Application` permissions as described above.
  - Please note that the default behavior of the permission handling has changed between Alfabet 10.9.x and Alfabet 10.11. After migration to Alfabet 10.11, either the permission configuration in Microsoft Azure® must be changed to `Delegated` permissions or the respective lines for the implemented `Application` permissions must be activated in the XML object ***MicrosoftTeamsIntegrationConfig***.

Changes to the Configuration of the AlfaBot

- The following changes have been made to the private ADIF schemes ***SemanticSearch*** and ***UpdateReportsPopularity***:
  - The private ADIF schemes ***SemanticSearch*** and ***UpdateReportsPopularity*** have been changed from ADIF export jobs to ADIF import jobs in order to enable the automatic execution of these ADIF schemes during the update of the meta-model. The private ADIF schemes ***SemanticSearch*** and ***UpdateReportsPopularity*** must be run in regular intervals to maintain the faceted search in configured reports via the `Analyze` intent of the AlfaBot. Existing job schedules based on the **ADIF Export Job** schedule will no longer work and must be revised in the **ADIF Jobs Administration** functionality using the **ADIF Import Job** schedule.
  - The ADIF schemes ***SemanticSearch*** and ***UpdateReportsPopularity*** will be executed automatically during update of the meta-model via an AMM file in order to update changes in the meta-model configuration and usage data in the respective indices and data structures.
- The standard private configured report `AlfabetDefaultAnalysisIntentReport` that defines the default range of configured reports to be included into the faceted semantic search for the `Analyze` intent has been changed to include simple configured reports of the type `Query` or `NativeSQL` not based on a template.
- Access to configured reports via the AlfaBot can optionally be restricted per user profile or per user. The access permissions are evaluated via a configured report referring to the current user profile or current user with the Alfabet query parameters `CURRENT_USER` and `CURRENT_PROFILE`. The new XML attribute `AnalyzeIntentUserPermissionReport` in the XML element `Settings` of the XML object ***AlfaChatBotConfig*** must be set to the name of the configured report. Users will then have access to only configured reports listed in the defined user permission report for the current user and user profile. The restrictions configured with this method will be applied to both the navigation to configured reports via the ***Navigate to Report*** intent and the semantic search in reports via the ***Analyze*** intent.
- User input is preprocessed prior to sending it to the search engine. The user input is analyzed for the presence of entities such as object class captions or their aliases, object stereotype captions, object property captions or their aliases, indicator type names, and role type names. In addition, the user input is analyzed for the presence of object names for any of the classes marked as navigable by the AlfaBot in the Alfabet meta-model. If strings match an entity name, the compound terms are emphasized in the search string sent to the search engine. The search engine will then only return results including emphasized words as a match. The emphasis settings are fine-tuned if the current syntax returns either too many or no search results. The maximum number of results that may be returned is configurable via the new XML attribute `AnalyzeIntentResultThreshold` which has been added to the XML element `ChatBotInfo` of the XML object ***AlfaChatBotConfig***. The default value for the XML attribute `AnalyzeIntentResultThreshold` is 100.
- A new XML attribute `AnalyzeIntentType` has been added to the XML element `ChatBotInfo` in the XML object `AlfaChatBotConfig` to activate or deactivate the automatic generation of reports. The attribute can be set to `Search` to limit results to only customer-generated configured reports, to `GenerateReports` to limit results to only automatically-generated reports, or to `Both` to use both search in customer-generated configured reports and automatically-generated reports.
- Automatically-generated reports will be generated from database views if the following applies:
  - The new **Applicable for AlfaBot** attribute of the database view is set to `True`.

  - The new **Base Class** attribute of the database view is set to the object class or object class stereotype that is identical with the object class or object class stereotype that is determined by the semantic search as base object class for the request.
  - The **Semantic Analysis** concept has been extended to Alfabet database views. Both AQL as well as native SQL based database views are analyzed semantically upon definition (when the respective editor is closed). The semantic analysis of the database views is identical to the semantic analysis performed for configured reports except for the analysis of aliases available in the **Aliases** folder that is required to map the table names of the database view with object class properties of object classes in the Alfabet database.

- Automatically-generated reports are stored persistently in the new private report folder `Analysis Intent Ad-Hoc Reports`. The new object class property `ADHOC` of the object class `ALFA_REPORT` is set to `True` for automatically-generated reports only. The **Selector Behavior** attribute of automatically-generated reports are set to `Not Visible` upon creation.
- A mechanism is available to clean the database of automatically-generated reports that were not opened by any user. This mechanism requires that presentation usage tracking is activated for the Alfabet Web Application. An ADIF job based on the new standard ADIF import scheme `AdHocReportsCleanup` available in the **Alfabet Standard Jobs** folder of the ADIF explorer must be executed in regular intervals to clean the database of unused reports. The ADIF job can be scheduled for automatic or ad-hoc execution via the **Job Schedule** functionality.
- Automatically-generated reports will not be deleted from the target database during update of the meta-model via an AMM file that replaces the configuration of the target database.

Enhancements and Changes to Reports Configuration

- New context-sensitive Help is available in approximately 80% of the report assistants. A new Help button is displayed in the upper-right corner of the report assistant that when clicked will open a help page about the relevant report assistant in a new browser tab.
- A collection of configured reports of any report type can be made available via a list of tabs in tabular configured reports. The configured reports in the report collection provide information about all objects in the dataset. The report collection is defined on the level of the class settings for object classes and object class stereotypes and will be identical for all configured tabular reports that enable report collections and find objects of the same object class or object class stereotype by means of the same user profile. With a report collection, tabular configured reports can provide an overview for a group of objects that are derived from references or reference objects. To display a report collection for tabular configured reports of an object class, the following configuration is required:
  - In the XML object ***UseCaseCategories***, a category definition must be specified for the new `CustomChartViews` use case.
  - The configured reports that shall open as part of the report collection must be assigned to the category for the `CustomChartViews` use case and the **Apply to Class** attribute must not be set. In addition, the new Alfabet query parameter `CVREFS` must be used in the query or queries defined for the configured report. The parameter returns the list of `REFSTR` values of objects in the tabular dataset displaying the report collection. The report must have a report view defined and must not have any filters. The filters of the main report will automatically be applied to the reports in the report collection.

  - In the class settings of the relevant object class or object class stereotype, the configured reports that shall be available as the report collection must be selected in the new **Supplementary Reports** attribute.
  - For tabular configured reports that shall display the report collection tabs, the new **Chart Views Mode** attribute must be set to `Custom` and the object class or object class stereotype that the configured report returns objects for must be specified in the new `Custom Chart View Base Class` attribute.

- A new report template `AspectIndicatorsReport` has been introduced to capture and maintain "aspect"-related indicator data for objects. In the past, Alfabet supported aspect evaluations for only applications in application groups and components in component groups. The aspect evaluation capability has been significantly revised to address a multi-perspective view of objects of any class in relation to other object classes that constitute a relevant factor in influencing the evaluation. An aspect indicator report based on the configured report template `AspectIndicatorsReport` displays a matrix with edit capabilities. Indicator types and aspects are displayed in the configured row and column headers. The cells of the matrix display the indicator values, comments defined for the indicators, and the last update date. The report can be configured to provide editing capability for the aspect indicators of a defined set of objects or for the base object only.
- A new report template `AffectedArchReport` is available to create a matrix that allows any object relations managed via an architecture relation object class to be specified. The specification of an architecture relation class is required if an object class property of the type `ReferenceArray` targets objects of multiple object classes (for example, the affected architecture for projects and value nodes). The affected architecture report displays objects of the object class for which the relation is specified and object classes targeted by the relation in the column and row headers. Users can define objects to be referenced in the matrix. Objects of the architecture relation object class will be created automatically in the background. This provides the ability to restrict the definition of an affected architecture to a subset of the object classes that can be defined per default. The report can be configured to provide editing capability for the relations of a defined set of objects or for the base object only. When the affected architecture report is created for a single object it can also be rendered as a simple tabular report.
- The `CaptureContracts` report template has been extended to include the successor contracts functionality. The new functionality is described in more detail in the section New Capability to Capture Successor Contracts.
- The `CaptureProject` report template has been extended to include the functionality to create projects as a copy of an existing project. The new functionality is described in more detail in the section Enhancements to Project Management.
- For Cube-based configured reports using the report template `CustomPivotTable`, server variables can be used for the complete definition or a part of the definition of the data source.
- A color picker can be implemented for the selection of colors in the editors of configured reports for multi-editing object class properties based on the report template `EditableClassViewReport`. In previous releases, users had to define colors as hexadecimal code in a text field and the hexadecimal codes were also displayed in the dataset of the report. A new **Is Color** attribute is available for attributes of the data type `String` in the **Options** tab of the report assistant to change the editor field to a color picker and show the defined color as cell background color in the dataset instead of the hexadecimal code.
- The **Enable Chart Views** attribute has been removed from configured reports and is substituted with the new **Chart Views Mode** attribute. The new attribute can be set to `Standard` to enable the access to standard page views via a **Chart Views** button in the toolbar for reports of type `Query`, to `Custom` to enable the new report collection feature, and to `None` to disable both features. During

migration to Alfabet release 10.11, the **Enable Chart Views** attribute setting of existing configured reports will be taken over for the new **Chart Views Mode** attribute.

- The following enhancements have been made to reports triggering AI-enabled Data Quality Analysis:
  - Configured reports based on the `DataQualityAIReport` report template have an additional **Minimum Cluster Size for Gap Detection** attribute which is defined in the **Default Layout** tab of the report assistant. Clusters generated with a number of objects less than the number defined in this property will not be analyzed for data gaps.
  - In order to better identify data gaps, a new **Max. String Complexity** attribute is available in the **Default Layout** tab of the report assistant. Object class properties of the type `String` that have a percentage of distinct values that are less than or equal to the defined **Max. String Complexity** will be included in the clustering analysis along with their enumerated values. String properties with a string complexity above the specified maximum value will be handled as `Boolean` properties (provided or not provided) during the clustering analysis.
  - Object class properties of a selected base class can be further configured via the AQL **Show Property** or native SQL `SELECT` statements as arbitrary columns for further quality assessment. Captions can be defined for these properties and a **Problem Resolution View** can be specified for the user to navigate to implement the data gap recommendation.
  - For object class properties of the type `Show Property` with missing values, the **Problem Resolution Hints** field has been introduced to the dataset in the **Default Layout** tab of the report assistant. Hints can be written in this field to give the user some context when addressing the particular data quality problem represented by the clustering recommendation. These hints are stored as a property in the `ALFA_CLUSTERING_RECOMMENDATION` class.
  - Both the **Problem Resolution Hints** and **Problem Resolution View** options are available for the solution designer to implement workflows and reports that can guide the user in implementing the data gap recommendations.
  - In the **Default Layout** tab of the report assistant, the solution designer can select whether or not to display the columns of type `Show Property` in the standard `DataQualityAIDetailsView` view via the **Display Show Property** option.
- The following usability enhancements have been implemented for branching diagram reports:
  - Object nodes can be rendered as boxes with label text displayed inside the boxes. The new **Rendering Type** attribute must be set to `Label_as_Node` to change rendering to the new option. On migration to Alfabet release 10.11, the **Rendering Type** attribute will be set to `Circular_Node_with_Separate_Label` to maintain the rendering style displaying the nodes either as a bubble or icon with the label outside the node.

    The configuration of the coloring of the nodes and links and the spacing between nodes for the new rendering style is identical to the existing configuration options for bubbles. The sizing of boxes is defined differently. The **Node Radius** attribute is not valid for box rendering. Instead, box sizes are defined via the two new attributes **Node Max. Width** and **Node Max. Height**. The size of the nodes in the report will adjust to the space required for the label text up to the configured maximum width and height. If text cannot be displayed in one row, it will be displayed over a maximum of three rows. If the text is still too long, it will be truncated. If no explicit tooltip is defined for the nodes, the complete text will be displayed in a tooltip.
  - The new attributes **Link Weight** and **Line Style** have been added to the report assistant to configure line style and link weight for both rendering types. Supported line styles are solid, dotted, and dashed.

- The semantic analysis of configured reports based on Alfabet queries has been amended with the `REFSTR` object class property of the `FIND` class of the Alfabet query.
- In previous Alfabet releases, the relation between the item in a Kanban report and the column and the row header object could exclusively be defined via an object class property of the item placed into the cells. To make the report definition more flexible, two new attributes **Row Back Relation** and **Column Back Relation** have been added to the root node of the report assistant for Kanban reports. If set to `True` the relation between the items can be defined via an object class property of the column or row header objects, respectively.
- The new **Hover Color** attribute has been added to the report assistant for configured geo map reports and allows the color to be specified when hovering with the mouse over regions in FusionChart® maps.
- If the new **Allow Others to View Saved Diagram** attribute in the root node of the report assistant for configured node arc reports is set to `True`, users with edit permissions for the base object of the node arc report can define a diagram layout for the report that will then be shared with all users. If another user opens the node arc report for the same base object, the shared layout will be displayed. Users with edit permissions to the base object of the node arc report can change or delete the shared layout. The captions of the **Change Layout** and **Delete Saved Layout** buttons will be changed to **Change Shared Layout** and **Delete Shared Layout** if the report is configured to share the layout.
- Configured portfolio reports can be specified to display labels for objects in the portfolio. The label text for each object must be returned via the query. The background, border, and text color of the labels as well as the color of the connecting line between object and label may be defined in the query of the portfolio report. A new expandable **Label** attribute is available in the root node of the report assistant. In order to enable the display of labels, the attributes for the label text and the coloring definitions must be set to the name of the column in the dataset of the query. The size of the labels can be defined via a static definition in the **Label** section.

Enhancements and Changes to Queries and Instructions

- The new instruction `DynamicLinkAssignment` allows links to be created in cells of a configured report that open the view, editor, or wizard returned for each link in the query that the instruction is defined for. All functionality that was previously provided by the `DynamicLinkAssignment_Edit` instruction is included as a subset in this instruction. As a result, the `DynamicLinkAssignment_Edit` instruction is no longer supported. After migration to Alfabet release 10.11, `DynamicLinkAssignment_Edit` instructions in existing queries must be changed to `DynamicLinkAssignment` instructions. To ease reconfiguration, all configured reports with a `DynamicLinkAssignment_Edit` instruction available in the current Alfabet database will be listed in the `Report Issues` tab of the Microsoft Excel® log file generated during upgrade of the meta-model to Alfabet release 10.11.
- A new Alfabet instruction allows the 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 color code. In addition, a legend text for the coloring can be returned in the query. The parameters of the instruction are exclusively definitions of column names in the result dataset returning 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. A rendering style definition in the instruction defines whether the icon will be displayed instead of or together with a text. The instruction has already been made available in Alfabet 10.9.1 with the rendering style being mandatory. The rendering style specification is optional in Alfabet 10.11.
- A semantic analysis has been added to database views and is visible in the **Semantic Analysis** sub-node of the database view nodes in Alfabet Expand. The semantic analysis of the database views is identical to the semantic analysis performed for configured reports with an amendment for the identification of aliases used for class names and property names. The alias analysis in the **Aliases** folder maps the column names of the database view with the object class properties in the Alfabet database.

  The semantic analysis is required for the automatic generation of reports in the context of the faceted semantic search provided via the `Analyze` intent of the AlfaBot. In addition, the **Show Usage** functionality in the context menu of object class properties provides information about the usage of the object class property in database views based on results of the semantic analysis.
- The validation mechanism for native SQL queries has been enhanced to ignore any empty lines or lines starting with -- (double dash) prior to the query definition. This allows native SQL query definitions to start with a comment.
- The handling of Alfabet parameters in native SQL queries has been revised to consider SQL dialect-specific parameter details and thus reduce the risk of database server-specific issues for native SQL queries with parameter specifications. While significant efforts have gone into the validation of this change, it may adversely impact the handling of existing SQL queries. Please report any such situation via the standard Software AG support channel.

Enhancements and Changes to the Alfabet Data Integration Framework (ADIF)

- When enabling the **Save Parameter** option for an ADIF export entry with the **Export Type** attribute set to XLS, XLSX or XLSM and when the ADIF export did not include any parameters, the full list of command line parameters was included in a hidden tab in the generated Excel file. The content of this tab was reachable using developer tools in Microsoft® Excel, thereby potentially disclosing the user name and password used for the console application call. This was identified as a potential security vulnerability and passwords have been removed from the list of parameters.
- 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 that the respective ADIF entry defines. In Alfabet release 10.7.X and 10.9.X, all files in the ZIP archive with a name that started 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 must be identical to the file extension defined in the ADIF entry.
- The new **Create CSV Entry from File** option in the context menu of ADIF import schemes allows ADIF import entries for import from CSV files to be created based on an example CSV file. The ADIF import entry is generated based on the data structure in the example import file. The entries must be either comma- or semicolon-separated in a row in the import file. File size restrictions that applied to

file import entries also handling Microsoft Excel® files do not apply to the **Create CSV Entry from File** option. However, database size restrictions do apply to import. The import mechanism behind the **Create CSV Entry from File** option is optimized for CSV only and the performance is enhanced. Customers must make sure memory provisions suffice to handle the size of the CSV file and its in-memory representation.

- A new **Auto-Run Dependencies** attribute will be displayed for ADIF import schemes for which the **Auto Run** attribute is set to `True`. One or more private or public ADIF import schemes that must be executed prior to executing the current ADIF import scheme can be selected in the **Auto-Run Dependencies** attribute. The selectable list box associated with the **Auto-Run Dependencies** attribute will display all private and public ADIF import schemes that are configured to be executed automatically.
- The ADIF import scheme `UpdateReportsPopularity` available in the **Alfabet Standard Jobs** folder in the **ADIF** tab should be executed in regular intervals to generate and update the popularity score in the **Popular Reports** (`Users_PopularReports`) page view.
- The ADIF import scheme `Delete_Unsused_ALFA_IDOCUMENT_Objects` available in the **Alfabet Standard Jobs** folder in the **ADIF** tab should be executed in regular intervals to delete attachments that no longer reference an object. This ensures that an attachment will be deleted if all of its referenced objects are deleted or the documents are detached from these objects.
- The functionality of the batch tool `ExternalSourceSynchronization.exe` for batch synchronization with external data sources is now available via an ADIF job. The private standard ADIF import scheme `ExternalSourceSynchronization` can be scheduled for execution via the functionality.
- The mechanism to clear existing relations for a specified reference array property has been changed to prevent erroneous deletion of relations if the same object class property defines relations to multiple object classes. The mechanism to clear relations has been changed to not only be based on the specified property name. A relation from the `RELATIONS` table will only be deleted if also the `FROMREF` and `TOREF` columns in the `RELATIONS` table target the object classes defined via the **From Class** and **To Class** attributes of the ***Relations*** definition in the ADIF scheme.
- The new `Synchron` and `SynchronTimeout` fields are available for the JSON body of RESTful service calls to the `adifmport` and `adifexport` endpoints to synchronously execute ADIF via the Alfabet RESTful services. If the `Synchron` field is added and set to `True`, the execution will depend on the setting of the **Use Event Queue for All Jobs** attribute of the server alias of the Alfabet components:
  - If the **Use Event Queue for All Jobs** attribute is not selected, the ADIF execution via the Alfabet server will start immediately and results will be immediately returned to the RESTful service after execution.
  - If the **Use Event Queue for All Jobs** attribute is selected, an ADIF execution event will be registered and executed by the Alfabet server when it is due according to the queuing policy of the event queue. The Alfabet RESTful services will wait based on the time defined via the `SynchronTimeout` field of the call for a result to be returned from the server. By default, the `SynchronTimeout` field is set to 60 seconds.

Enhancements to the Configuration of Surveys

- The **Survey Designer** is available in Alfabet Expand Web.

- Survey classes may be configured to be searchable in the **Simple Search** functionalities. A custom selector, custom object view, and custom editor must be configured for the survey class. the following should be specified in the class setting of the survey class:
  - **Selector Definition** attribute must specify the custom selector defined for the survey class
  - **Object View** attribute must specify the custom object view defined for the survey class
  - **Edit View** attribute must specify the custom editor defined for the survey class
  - **Searchable** attribute may optionally be set to `True`
  - **Preview Properties** attribute and **Icon** attribute should be defined
- The **Audit Trail** button will be available in the object view of a survey class if the **Audit** attribute is set to `True` for the custom class.

Enhancements to Guide Views and Guide Pages

- The number of MS Teams meetings that have been created in or imported to Alfabet that are scheduled for today can be displayed in guide views via the new link type `MSTeamsMeeting`. If a user clicks the link, the new **My MS Teams Meetings** (`USER_MS_MyTeamsMeetings`) functionality will open. In the case of guide pages, the information and link is available via the **Personal Info** element.
- The number of unread collaboration posts can be displayed in guide views via the new link type `Collaboration`. If a user clicks the link, the new **All MS Teams Collaborations** (`USER_TeamsCollaborations`) functionality will open. In the case of guide pages, the information and link are available via the **Personal Info** element.

Enhancements and Changes to the Alfabet RESTful Services

- The OpenAPI configuration swagger file for the Alfabet RESTful services is now available in Swagger 2.0 and Swagger 3.0 format. The information about the swagger file location has been updated in the example `alfabet.config` file delivered with the Alfabet Web Application and shall be updated in existing `alfabet.config` file as follows:

```
<add key="SwaggerSpecFileName" value="/Alfabet
Web/SwaggerSpec/AlfabetWeb5_SwaggerSpec.json"/>

<add key="SwaggerSpecFileNameOAS3" value="/Alfabet
Web/SwaggerSpec/AlfabetWeb5_SwaggerSpec_OAS3.json"/>
```

- A new endpoint `viewsnapshot` is available for the Alfabet RESTful services to export a snapshot of a view in Alfabet. The view to be exported is defined in the URL of the call with two different methods to define it:
  - The definition of the view can be identical to the definition of views described for links from external application to Alfabet views. The additional parameters `width` and `height` define the size of the exported snapshot in pixel. For example:

    ```
    http://alfabet.com/api/V2/viewsnapshot?width=<integer>&height=<integer
    >&View=<ViewType>:<ViewName>&AccessType=ExternalAccess
    ```

  - The view can be defined via a bookmark ID as used in express view URLs. For example:


```
http://alfabet.com/api/V2/viewsnapshot?width=<integer>&height=<integer
>&bookmarkID=<BookmarkID Value from Express View Link>
```

The new API access permissions **Has View Snapshot Access** must be set for both the user for execution of the call and the Alfabet Web Application in the server alias to use this endpoint.

Enhancements and Changes to the Configuration of Integration Solutions

- To support the integration of Alfabet with ServiceNow®, a consistency check has been added to the ADIF import from ServiceNow. If the structure of tables or reports to be imported does not match the definition specified in the ADIF assistant for ServiceNow import, the ADIF job will not be executed and an error message will be displayed about the mismatch of the current data structure in ServiceNow with the definition in the ADIF import scheme.

Additional Changes to Solution Configuration Capabilities in Alfabet Expand

- Due to reasons of security, the file formats SVG, HTML, and WSDL have been added to the default blacklist specification in the XML object ***FileExtensionLists***. It is recommended that SVG files are available only if they have been generated in the Alfabet Web application. It is recommended that existing customers add the file formats SVG, HTML, and WSDL to the XML attribute `Blacklist` in the XML object ***FileExtensionLists*** after migration to Alfabet release 10.11.
- Sending express views from administrative user profiles can be prevented on an enterprise-wide basis. The new XML attribute `EnableExpressViewForAdminProfiles` has been added to the XML object ***SolutionOptions***. When set to `"false"`, express views cannot be sent to user profiles for which the **Is Administrative User Profile** attribute is set to `True`. The default setting for the XML attribute `EnableExpressViewForAdminProfiles` is set to `"false"`. Therefore, if express views shall continue to be sent via adminstrative user profiles, the setting must be changed to `"true"` after migration to Alfabet release 10.11.
- The **Picture** field available in the **Personal Info** dialog may be hidden for all users in the enterprise. A new XML attribute `EnableUserPersonalInfoPictureControl` in the XML object ***SolutionOptions*** allows the **Picture** field to be enabled (`True`) or disabled (`False`). If set to `False`, the **Picture** field will be removed from the editor. The XML attribute `EnableUserPersonalInfoPictureControl` is set to `True` per default.
- 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 storage of cashout planning values for projects 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. The cashout planning values are stored with their actual calendar dates. Therefore, a cashout planning value for Nov. 2021 will be saved with the date 2021/11/01 in the Alfabet database but accounted for FY2022 in the user interface.

- A new XML attribute `ArchitectureClasses` has been added to the XML objects ***ProjectManager***, ***DemandManager***, and ***ITPolicy Manager*** that allows the object classes and object class stereotypes that may be defined as affected architecture elements in the **Affected Architecture** page views for projects, demands, and policies to be specified. If the XML attribute `ArchitectureClasses` is not specified in the respective XML object, all standard object classes preconfigured as affected architecture will be displayed in the respective **Affected Architecture** page views.
- A new XML object ***AffectedArchManager*** has been introduced in order to specify the affected architecture for the classes **Risk Mitigation Template** and **Measure Type**. This XML object is also used to specify the affected architecture classes for the newly introduced class `GenericAffectedArch`
- If object classes that are not permissible for the **Affected Architecture** page view for a value node are specified in the XML attribute `MappingClasses` or `CreateClasses` in the XML object ***ValueManager***, they will not be available in the **Affected Architecture** page view and an error message will be displayed in the update log file generated when the meta-model is updated.
- The **Risk Mitigation** editor (`RISKMTG_Editor` is no longer hard-coded in the **Risk Mitigation** page view. However, it is recommended that this editor is used as the basis for a wizard created for the class **Risk Mitigation** because this editor assures the affected architecture will be copied if the risk mitigation is based on a risk mitigation template.
- The **Service Product Item** editor (`SRVITM_Editor`) is no longer hard-coded in the **Service Product Items** page view.
- The icons used in the editor that opens when **Edit View Scheme** is executed have been replaced with better icons. For example, the icons for the **Create Class Setting** and **Delete Class Setting** functionalities have been replaced with icons derived from the icon used for class settings.
- Private event templates, configured reports, workflows, conditions, and publications have been revised so that the state setting cannot be changed for these private configuration objects.
- The GIF icons representing custom editors, object views, workspaces, graphic views, object cockpits, wizards, and wizard steps displayed in the **Presentation** explorer in Alfabet Expand have been updated with PNG icons.
- The **Cancel Button Hint** attribute on a wizard step has been changed to **Close (X) Button Hint**.
- 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.
- Toolbox items created for a custom diagram definition have been enhanced to enable the object created in the diagram to pass the @BASE reference to a reference property of the object to be created. This would enable, for example, the property **Owner** of a local component that is created based on standard component to be automatically filled with the `REFSTR` of the base application owning the diagram even though the application is not displayed in the diagram. To support this, a new **Relation to Base** attribute is available for a toolbox item of a custom diagram definition that allows the base object class to be specified for the reference property. The attribute will be visible for toolbox items for which the **Operation** attribute has been set to `Create` or `CreateAsCopy`. If the

Relation to Base attribute is defined, then the relation will be populated with a reference to the base object.

- The **Events** tab in Alfabet Expand Windows and the **Events** designer in Alfabet Expand Web have been renamed to **Reusable Elements**. This change has been made because resource bundle definitions for the new generic API integration are available as well as event templates. Please note that the **Events** tab in Alfabet Expand Windows had been relabeled **AEMF** in the Alfabet releases 10.7.X and 10.9.X.
- The new **Create Configuration Meta-Model Update File** and **Reset Configuration Meta-Model Update File** options have been added to the menu of the **Meta-Model Configuration** node in the **Utilities** Designer in Alfabet Expand Web in order to extend the functionality for AMM file specification. Assemblies cannot be uploaded via this method. The **Create Meta-Model Update File** option in the **Meta-Model Deployment** node will still be available.

What's New in Alfabet 10.11 for System Administrators

The following is relevant to system administrators.

Changes to the Technical Requirements

- Oracle® database server 19c is supported for hosting the Alfabet database.
- Oracle database server 12c is no longer supported for hosting the Alfabet database. Oracle has ended mainstream support for Oracle 12c.
- Microsoft® has announced the planned end of support for Microsoft® Internet Explorer® 11. Therefore, support for Internet Explorer 11 has been discontinued in Alfabet with the Alfabet release 10.11.

Changes to the Embedding of Third-Party Components

- The embedded third-party components Aspose.Slides and Aspose.Tasks have been updated to a licensed version of Aspose.Slides, version 21.8.0 and Aspose.Tasks, version 21.8.0, Copyright © 2021 Aspose Pty Ltd., All Rights Reserved.

- A licensed version of the third-party components Aspose.HTML, version 21.8.0 and Aspose.Words, version 21.9.0., has been embedded in Alfabet. Copyright © 2021 Aspose Pty Ltd., All Rights Reserved.
- A licensed version of the third-party component azure-core, version 1.16.0 has been embedded in Alfabet. Copyright © Microsoft Corporation, All Rights Reserved.
- A licensed version of the third-party component azure.identity, version 1.4.1 has been embedded in Alfabet. Copyright © Microsoft Corporation, All Rights Reserved.
- The embedded third-party components Devart Data Providers and Devart Oracle Data Access Components have been updated to a licensed version of Devart Data Providers 5.0.2736 and Devart Oracle Data Access Components 9.14.1312, Copyright © 2006 - 2021 Devart, All Rights Reserved.
- The embedded third-party component DevExpress.NET has been updated to a licensed version of DevExpress.NET, Version 21.1.5, Copyright © 2000 - 2021 Developer Express Inc., All Rights Reserved.
- The embedded third-party components dtSearch Desktop and dtSearch Network Software have been updated to a licensed version of dtSearch Desktop and dtSearch Network Software, Version 7.2101. Copyright © 1991-2021 dtSearch Corp., All Rights Reserved. "dtSearch" is a trademark of dtSearch Corp.
- The embedded third-party component Essential Objects has been updated to a licensed version of Essential Objects 21.1.93, Copyright © 2021 Essential Objects, Inc., All Rights Reserved.
- The embedded third-party component Essential Objectsmicrosoft.data.sqlclienthas been updated to a licensed version of microsoft.data.sqlclient, version 3.0.0. Copyright © 2021 Microsoft Corporation. All Rights Reserved.
- A licensed version of the third-party component microsoft.identity.client, version 4.35.1 has been embedded in Alfabet. Copyright © Microsoft Corporation, All Rights Reserved.
- A licensed version of the third-party component microsoft.owin, version 4.2.0 has been embedded in Alfabet. Copyright © Microsoft Corporation, All Rights Reserved.
- The embedded third-party component ML.NET has been updated to a licensed version of ML.NET, version 1.5.4. Copyright © Microsoft Corporation, All Rights Reserved.
- The embedded third-party component Newtonsoft.Json has been updated to a licensed version of Newtonsoft.Json, Version 13.0.1. Copyright © 2008 - 2020 James Newton-King, Newtonsoft Limited, All Rights Reserved.
- The embedded third-party component Syncfusion.NET Software has been updated to a licensed version of Syncfusion.NET Software, Version 19.2.0.55. Copyright © 2001-2021 Syncfusion Inc., All Rights Reserved.
- The embedded third-party components Xceed ZIP for.NET and XCeed Real-Time ZIP for.NET Software have been updated to a licensed version of Xceed ZIP for.NET and XCeed Real-Time ZIP for.NET Software, Version 7.0, Copyright © 2021 Xceed Software Inc., All Rights Reserved. "Xceed" is a trademark of Xceed Software Inc.
- The embedded third-party component yFilesNet has been updated to a licensed version of yFilesNet library version 5.3.0.2, Copyright © 2017-2021 yWorks GmbH, All Rights Reserved.
- A licensed version of the third-party component Microsoft.Graph, version 4.0.0, has been embedded in Alfabet. Copyright© Microsoft Corporation, All Rights Reserved.

Changes to the Alias Configuration of the Alfabet Components

- The default setting for the **Use Recipient's User Profile for External Links** checkbox in the **Server Settings** tab has been changed from `False` (cleared) to `True` (selected). This ensures that the access permissions of the recipient are honored if the **External Access** field is set to **Allowed as Authenticated User**.
- The following enhancements have been made to the central logging functionality available in the **Server Settings** > **Logging** tab:
  - A new log subject type `Email` has been added. Logging information about emails will no longer be captured under the general log subject type `System`.
  - A new **Event Base ID** attribute has been added to the **Windows Event Logging** box. If this attribute is defined, an event ID will be written to all entries in the Windows Event Log. The event ID is calculated based on the sum of the event base ID defined in this attribute and the logging level number. The logging level numbers are 2 for `Error`, 4 for `Warning`, 8 for `Information`, and 16 for `Debug`. The event base ID must be an integer between 30000 and 65535.

Changes to Database Maintenance Options

- The **View Scheme** attribute has been changed to mandatory for the definition of user profiles. A new ***User Profile Errors*** tab has been added to the Microsoft® Excel® file that is generated when the meta-model is updated to Alfabet 10.11. The tab lists the user profiles for which the **View Scheme** attribute is either empty or set to a non-existent view scheme. The view scheme configuration is required to apply the correct class settings to the user profile, thus ensuring that the correct set of functionalities is available for the corresponding user profile.

Changes to Interfaces with External Applications and Data Sources

- 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 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.
- 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 referer header will be included into each HTTP request sent to external RESTful services. The attribute can be set to `false` to exclude the referer header from the HTTP requests if the external RESTful services does not accept calls including referer headers.

- Custom ARIS attributes can now be mapped to Alfabet object class properties in the XML object ***ArisApiConfig*** in the same way as standard ARIS attributes.
- The ARIS diagram type name stored in the ARIS attribute `typename` of the diagram will be displayed instead of the technical name of the ARIS diagram type in the **ARIS Diagrams** (`ARIS_DiagramLinks`) page view and **ARIS Diagrams** selector in Alfabet. The additional information will be available for existing links to ARIS diagrams after the user has used the **Refresh existing ARIS diagram links** function in the **ARIS Diagrams** page view.

  A new object class property **ARIS Diagram Type Name** (`ARIS_TYPE_NAME`) has been added to the object class **ARIS Diagram Link** (`ArisDiagramLink`) to store the information.

  For ADIF import in the context of the ARIS - Alfabet Interoperability Interface, the information was already imported via the assistant. The configuration of the existing ADIF import schemes can be revised to fill the new **ARIS Diagram Type Name** object class property of the **ARIS Diagram Link** object class with the correct information.

Additional Changes to System Administration

- The error codes returned by the `AlfaServiceMonitorConsole` command line utility have been changed. The documentation has been updated with the new error codes.
- To further enhance security, the `strict-origin-when-cross-origin` policy has been added in addition to the `same-origin` policy to the `Referrer-Policy` in all example files of the `web.config` file delivered with the Alfabet Web Application. This policy setting ensures that only the origin instead of the full URL are added to the `Referer` header of cross-origin HTTPS to HTTPS requests. No `Referer` header will be sent for HTTPS to HTTP request. It is recommended that the policy is updated in existing `web.config` files that are not going to be substituted with one of the current example files.
- The content security header in the example `web.config` file has been changed to permit connection to the Microsoft Azure ® cognitive services by default. This connection is required for the voice endpoint of the AlfaBot.
- Two new columns have been added to the `ALFA_PRES_USAGE_TRACKING` database table to measure the time used to collect the data from the database andprepare it for rendering in a view. The time to actually render the view is not considered. The `PREPARE_TIME` column stores the time when data preparation is finished and rendering has started. The `PREPARE_DURATION` column returns the time period between the time the user has requested the view and the time that the data preparation has finished. This information can be used to identify performance problems with, for example, the execution of queries in configured reports. Configured reports visualizing view preparation performance can be configured as needed. Presentation usage tracking must be activated in the server alias of the Alfabet Web Application to collect the data.
- A new **User Group** editor (`USRG_WithExternalID_Editor`) is available that provides an **External ID** field for user groups that are imported from SAML or LDAP.
- 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 via, for example, a Windows batch job.
- Command line parameters for Alfabet command line tools can be encrypted and the calls can then be made with the encrypted parameters to enhance security, for example, for command line

information in a Windows batch job. To encrypt the parameters in a command line, the following command can be used:

```
<NameofExecutable>.exe -encodeparams <full set of command line parameters
to run executable>
```

This command returns the complete encoded call that must be used to run the executable with encoded parameters. The encoded parameters can be decoded using the `-decodeparams` command line parameter.

- A new size restriction of 128 bits minimum applies to the `ApiJwtBase64Key` definition in the `alfabet.config` file of the Alfabet web application. If a key is defined in the alfabet.config file and the length of the key does not match the new requirements, an error message will be written to the central log and the Alfabet RESTful services will be deactivated. To re-activate the Alfabet RESTful services, the key definition must be substituted with a key having the required length that is generated with, for example, any online base64 string generator. The Web Server must be restarted to apply the changes.

Issues Resolved with Alfabet 10.11

The following fixed issues are available:

Resolved End User Issues

- 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 selector was opened in the **Business Data Attributes** tab of a **Business Data** or **Business Object** editor, any existing data that was previously captured was lost. This issue has been corrected.
- An error occurred with the auto-completion functionality when entering text in the **Referenced Business Object** field in the **Business Data Attributes** tab of a customized **Business Data** or **Business Object** editor. This issue has been corrected.
- In the Alfabet Diagram Designer that opens for the **Platform Diagrams** page view, the selector invoked when adding a Standard Platform toolbox item contained an empty first row, which represented the platform object of the application that the platform diagram was defined for. This has been addressed and the selector will only show rows displaying standard platforms.
- 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.
- 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.
- 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.
- Locations and vendors that were added as affected architecture to a value node could not be detached from that value node in the **Affected Architecture** page view. This issue has been corrected.

- 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.
- Loading images of type PNG or JPG into the **Internal Document Selector** for subsequent use in the context of storyboards resulted in an error. This issue has been resolved.
- 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.
- An error occurred when exporting contract deliverables via a data capture template. The export contained a different number of contract deliverables depending on the properties specified in the data capture template. This issue has been resolved.
- An occasional "index out of range" error occurred upon loading the XLSX file for a data capture template.
- When navigating from one guide view to another, the scrollbar was scrolled to the bottom of the target guide view. This issue has been corrected and the focus of the scrollbar is at the top of the scrollbar.
- 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.
- Translations were missing for the error message stating that a workflow step with the state **Confirmed** could not be found in the **Workflow Activities Explorer**. This issue has been addressed and the string is available in the vocabularies for translation.
- If `Microsoft Sql Server` was selected as the driver type in the server alias of the Alfabet Server, the information in audit table entries about the user executing changes performed via ADIF import was filled with technical process information instead of the name of the executing user. This issue has been corrected. The user executing the ADIF job is written to the audit tables as the user performing the change. If no user information is returned by the process, the string `ALFABET_SYSADMIN` will be used in the audit table. This is the case, for example, for auto-run ADIF jobs executed during the update of the meta-model via the Alfabet Administrator because no Alfabet user is specified when processes are executed via the Alfabet Administrator.
- Edit search fields did not work correctly in the **Set All** functionality for object class properties in configured editable class view reports. The selections made in the selector were not displayed in the editor. This issue has been resolved.
- A number of private and protected enumeration items displayed in combo-boxes were not translated to the supported languages. This issue has been resolved. Organizations wishing to use multi-language support should ensure that the **Translatable in Meta-Model Vocabulary** attribute is set to `True` for custom properties of type `String` that are based on an enumeration.

- 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.
- The hint text shown in a tooltip for a lifecycle phase displayed in the **Lifecycle** editor was in English even though the user interface was rendered in German. This issue has been resolved.
- It was possible to assign multiple indicator types with the same name to an evaluation type via the **Move Existing Indicator Type Here** option in the Indicators page view of an evaluation type. This is no longer possible and an error message will be displayed if the user attempts to move an indicator type with a name that is identical to another indicator type for a selected evaluation type.

Resolved Solution Configuration Issues

- An error occurred if the name of a property included an underscore and the property was specified in the **Preview Properties** attribute for a class setting. This issue has been resolved.
- An error occurred when a culture setting was used that had a specification with a comma as the floating point. This issue has been resolved.
- The value `Commited` 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.
- If a configured report that was executed offline contained filter fields storing filter settings in the `UserGlobalData` object class, the filter settings displayed in the result dataset were read from the object class `UserGlobalData` at the time that the results were rendered whereas the result data set was filtered with the filter settings at the time that the report execution was triggered. If the filter settings stored in the `UserGlobalData` had changed between when the execution of the configured report was triggered and the report results were displayed, the displayed filters were different than the applied filters in the report results. This issue has been resolved. When the report is executed offline, the values stored in the `UserGlobalData` object class will be overwritten at the time that the report results are rendered with the filter values defined when the report execution is triggered. Please note that it is recommended that configured reports are not executed asynchronously if they include filter fields that store values in the `UserGlobalData` object class. Opening the results of reports executed offline might change a filter setting that is dependent on the same object of the `UserGlobalData` object class in a configured report that is simultaneously open.
- Existing native SQL queries could not be pasted in the `Query As Text` field in the **Data Source Definition** tab of the report assistant for configured reports based on the template `EditableClassViewReport` because the report assistant processed the query as an Alfabet query. This issue has been resolved.
- In Alfabet Expand Web, changes made in the **Show Properties** panel of the Alfabet query builder were not processed correctly. **Alias** settings defined for one show property were applied to another show property in the list and the **Show as Icon** setting for indicator properties could not be changed to **Show as Text**. These issues have been resolved.
- Existing Alfabet queries pasted in the `Query As Text` field in the **Data Source Definition** tab of the report assistant for configured reports based on the template `DataQualityAIReport` could not be processed correctly. This issue has been resolved.

- 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 ADIF scheme. The assignment of SQL commands to SQL command groups was not correctly displayed after the copy action. This issue has been resolved.
  - 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.
  - When a new entry was created in an ADIF import scheme to import hierarchical JSON, the column names of the temporary table in the **Attributes** folder were displayed with both upper- and lower-case letters, although the column names were written to the database with all upper-case letters. This notation must be used in native SQL queries referring to these columns. This issue has been resolved and column names are displayed in all upper-case letters.
- An error message was displayed when a batch process was carried out from an external data source using the executable `ExternalSourceSynchronization.exe`. This issue has been corrected and the `ExternalSourceSynchronization` batch job and the `ExternalSourceSynchronization` ADIF job will update external users.
- When a batch process was carried out from an external data source using the executable `ExternalSourceSynchronization.exe`, the **Deletion Requested** attribute was not set to `True` for external users present in the Alfabet database who no longer existed in the external source database. This issue has been corrected and the **Deletion Requested** attribute will be set to `True` for relevant users.
- If multiple connections were defined in the XML object ***AlfaIntegrationConfig*** for the **Import Data Search** functionality, the first connection definition was used for the functionality even if one of the other connection definitions was specified in the **Alfabet Database Connection** selected for the import.
- An error occurred in a workflow if the **Completion Type** attribute of the workflow step was set to `ConfirmPrompt`. This issue has been resolved.

Resolved System Administration Issues

- If `MSSqlServer` was selected as driver sub-type in the ADIF import scheme and.NET remoting was used to execute processes, the execution of ADIF import jobs via the ADIF console application failed. This issue has been resolved.
- If the **Document Storage Type** attribute in the server alias of the Alfabet Server was set to `DefaultIDocFolder` and event queueing was used to execute processes, ADIF import from file failed. This issue has been resolved.
- The command line tool `AlfaVariablesEditor.exe` as well as the configuration file `AlfaVariablesEditor.exe.config` introduced in Alfabet release 10.9.0 was missing in the ***Programs*** folder of the software delivery. This issue has been resolved and the `AlfaVariablesEditor.exe` is included in the delivery of the release. Please note that the

description of the `AlfaVariablesEditor.exe` in the release notes for Alfabet 10.9 was incorrect. The command line tool does not read the server variables from a complete alfabetMS.xml configuration file. Instead, system administrators must export the server variables via the **Export** button in the server alias editor to a separate XML file with the file extension `.alfams` which can then be edited via the `AlfaVariablesEditor.exe` tool. The edited `*.alfams` file must then be imported via the **Import** button in the server alias editor.

- Indices were not rebuilt if the rebuilding of defragmented indices was triggered via the command line tool `AlfaAdministratorConsole.exe` and the command line parameter `-all TRUE` was used. This issue has been resolved.
- Confluence integration did not work correctly due to authentication issues when single sign-on was implemented for authentication with the Alfabet Web Application. This issue has been resolved and validated with Okta single-sign-on.
- Log files created for the log level `Error` in the central logging for Alfabet components included log messages only relevant for the log levels `Information` or `Debug`. This issue has been resolved.
- If the **Has GetObjectsByFilter Access** API access option for the Alfabet RESTful services was granted in the server alias configuration to an Alfabet component or to a user in the **User** editor, the **Has DeleteObjects Access** and **Has Meta-Model Access** permissions were also automatically activated and could not be deactivated separately. This issue has been resolved. Access permissions have been de-coupled, but the access permission settings have not been changed and may still be incorrect in the alias or associated user records because of the issue. It is highly recommended that the access permissions for Alfabet RESTful services for both the alias as well as the user records are reviewed after migration to Alfabet release 10.11.

Empower Issues Resolved in Alfabet 10.11

- 1455230
- 5313785
- 5370532
- 5395974
- 5421886
- 5424338
- 5434268
- 5438227
- 5440790
- 5442950
- 5443218
- 5444402
- 5445228

- 5445833
- 5446438
- 5448470
- 5449539
- 5450582
- 5451380
- 5451529
- 5451793
- 5455335
- 5459142

Brainstorm Issues Resolved in Alfabet 10.11

- 06106
- 08638
- 08809
- 09021
- 09360

Known Limitations

- The Jira ® REST APIs that fetch board and sprint information have recently been changed so that sprint information cannot currently be processed via integration with Jira.

Forthcoming Changes

- Single-sign on will be available for authentication via Microsoft® Active Directory Federation Services and Microsoft® Azure ID. This authentication mode will not only be available for log in to the Alfabet user interface, but will also be implemented as a valid authentication for the Alfabet RESTful services.

  This feature is currently available as a beta version. Customers that want to implement the beta version can contact Software AG for more information.

Migration Issues Relevant to Alfabet

An appendix is available that documents the changes made to object classes and their properties between Alfabet release 10.9 and 10.11. The following information is available in the section Meta-Model Changes Between Alfabet Releases 10.9 and 10.11 of these release notes:

The following information is relevant for the migration from Alfabet release 10.9.X to Alfabet release 10.11:

- Sending express views from administrative user profiles can be prevented on an enterprise-wide basis. The new XML attribute `EnableExpressViewForAdminProfiles` has been added to the XML object ***SolutionOptions***. When set to `"false"`, express views cannot be sent to user profiles for which the **Is Administrative User Profile** attribute is set to `True`. The default setting for the XML attribute `EnableExpressViewForAdminProfiles` is set to `"false"`. Therefore, if express views shall continue to be sent via adminstrative user profiles, the setting must be changed to `"true"` after migration to Alfabet release 10.11.

- Due to reasons of security, the file formats SVG, HTML, and WSDL have been added to the default blacklist specification in the XML object ***FileExtensionLists***. It is recommended that SVG files are available only if they have been generated in the Alfabet Web application. It is recommended that existing customers add the file formats SVG, HTML, and WSDL to the XML attribute `Blacklist` in the XML object ***FileExtensionLists*** after migration to Alfabet release 10.11.

- The private ADIF schemes ***SemanticSearch*** and ***UpdateReportsPopularity*** have been changed from ADIF export jobs to ADIF import jobs in order to enable the automatic execution of these ADIF schemes during the update of the meta-model. The private ADIF schemes ***SemanticSearch*** and ***UpdateReportsPopularity*** must be run in regular intervals to maintain the faceted search in configured reports via the `Analyze` intent of the AlfaBot. Existing job schedules based on the **ADIF Export Job** schedule will no longer work and must be revised in the **ADIF Jobs Administration** functionality using the **ADIF Import Job** schedule.

- Handling of permissions for the Microsoft Teams® integration has been expanded. Whereas in Alfabet release 10.9 most permission settings had to be `Application` permissions, this has been extended with Alfabet release 10.11 to give customers the choice to use `Application` permissions or `Delegated` permissions wherever the Microsoft Graph API interactions would permit. As a result and following advice from MS Teams system administrators, the default permissions have been set to `Delegated` wherever this is supportable. Customers that have implemented Microsoft Teams integration in Alfabet release 10.9 must either change the permission configuration in Microsoft Azure® to `Delegated` permissions or change the default permission handling to `Application` permissions in the XML object ***Microsoft TeamsIntegrationConfig***.Upon migration to Alfabet 10.11, the required entries are added in commented lines to the XML object ***MicrosoftTeamsIntegrationConfig***. To change the permission handling to using the `Application` permissions for a specific action, the comment markers must be removed for the respective line.

    - Permissions that were handled as `Delegated` permissions in previous releases cannot be changed to `Application` permissions.

    - The synchronization of Microsoft Teams meetings via ADIF job uses `Calendar.ReadApplication` permissions. This behavior cannot be changed. The Microsoft Teams meeting management on the Alfabet user interface requires `Calendar.ReadDelegated` permissions. The `Delegated` permissions can optionally be changed to `Application` permissions as described above.

    - Please note that the default behavior of the permission handling has changed between Alfabet 10.9.x and Alfabet 10.11. After migration to Alfabet 10.11, either the permission configuration in Microsoft Azure® must be changed to `Delegated` permissions or the

respective lines for the implemented `Application` permissions must be activated in the XML object ***MicrosoftTeamsIntegrationConfig***.

- The **View Scheme** attribute has been changed to mandatory for the definition of user profiles. A new ***User Profile Errors*** tab has been added to the Microsoft® Excel® file that is generated when the meta-model is updated to Alfabet 10.11. The tab lists the user profiles for which the **View Scheme** attribute is either empty or set to a non-existent view scheme. The view scheme configuration is required to apply the correct class settings to the user profile, thus ensuring that the correct set of functionalities is available for the user profile.
- The new instruction `DynamicLinkAssignment` allows links to be created in cells of a configured report that open the view, editor, or wizard returned for each link in the query that the instruction is defined for. All functionality that was previously provided by the `DynamicLinkAssignment_Edit` instruction is included as a subset in this instruction. As a result, the `DynamicLinkAssignment_Edit` instruction is no longer supported. After migration to Alfabet release 10.11, `DynamicLinkAssignment_Edit` instructions in existing queries must be changed to `DynamicLinkAssignment` instructions. To ease reconfiguration, all configured reports with a `DynamicLinkAssignment_Edit` instruction available in the current Alfabet database will be listed in the `Report Issues` tab of the Microsoft Excel® log file generated during upgrade of the meta-model to Alfabet release 10.11.
- If the **Has GetObjectsByFilter Access** API access option for the Alfabet RESTful services was granted in the server alias configuration to an Alfabet component or to a user in the **User** editor, the **Has DeleteObjects Access** and **Has Meta-Model Access** permissions were also automatically activated and could not be deactivated separately. This issue has been resolved. Access permissions have been de-coupled, but the access permission settings have not been changed and may still be incorrect in the alias or associated user records because of the issue. It is highly recommended that the access permissions for Alfabet RESTful services for both the alias as well as the user records are reviewed after migration to Alfabet release 10.11.
- A new size restriction of 128 bits minimum applies to the `ApiJwtBase64Key` definition in the `alfabet.config` file of the Alfabet web application. If a key is defined in the `alfabet.config` file and the length of the key does not match the new requirements, an error message will be written to the central log and the Alfabet RESTful services will be deactivated. To re-activate the Alfabet RESTful services, the key definition must be substituted with a key having the required length that is generated with, for example, any online base64 string generator. The Web Server must be restarted to apply the changes.
- The object class properties `CREATION_DATE` and `CREATION_USER` have been added to all `ALFA_PM_INFO` and `ALFA_MM_INFO` classes. Upon migration to Alfabet release 10.11, these properties will be set to the current date when the migration occurs for all records that already exist at the time of migration.

Alfabet Documentation Available with Alfabet 10.11

The following English language documentation has been updated and is available for Alfabet10.11:

- Alfabet Expand Online Help
- Alfabet Online Help
- ADIF Online Help for Alfabet meta-model
- Alfabet Reference Manuals:

- Alfabet Glossary
- *Getting Started with Alfabet*
- *Enterprise Architecture Management*
- *Portfolio Management Basic*
- *Portfolio Management Advanced*
- *Portfolio Management Complete*
- *IT Planning Basic*
- *IT Governance, Risk and Compliance*
- *Designing IT Landscape Diagrams in Alfabet*
- *System Administration*
- *Configuring Alfabet with Alfabet Expand*
- *Configuring Alfabet with Alfabet Expand - Appendix*
- *API Integration with Third-Party Components* (New)
- *User and Solution Administration*:
- *Configuring Evaluation and Reference Data in Alfabet*
- *Designing Guide Pages for Alfabet*
- *Web Services for Alfabet*
- *Alfabet Data Integration Framework*
- *Alfabet Meta-Model*
- *ARIS - Alfabet Interoperability*
- *Alfabet RESTful API*
- *Alfabet - CentraSite Interoperability*
- The following reference manuals are structured according to the current go-to-market capability packages provided by Software AG. New reference manuals providing a methodological approach are being written and will be completed and published in an upcoming release. Until then, the following interim reference manuals are available that list each capability available in the package as well as the object classes assigned to the capability and the views available in the standard object profile of each object class.
  - IT Planning Advanced Reference Manual
  - IT Planning Complete Reference Manual
- Examples of Configured Reports Available in the Showcase Database

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

Meta-Model Changes Between Alfabet Releases 10.9 and 10.11

This appendix provides an overview of changes made to object classes and their properties as well as the visibility of new views, button interactions, and editors between Alfabet Release 10.9 and 10.11. The following information is available:

New Object Classes Added to the Meta-Model

Name	Caption	TechName
ALFA_ANONYMOUSLOGIN_DETAIL	Anonymous Login Detail	ALFA_ANONYMOUSLOGIN_DETAIL
ALFA_MM_AUDITKEY_INFO	Alfabet Meta-Model - Audit Key - Information	ALFA_MM_AUDITKEY_INFO
ALFA_MM_CLASSKEY_INFO	Alfabet Meta-Model - Class Key - Information	ALFA_MM_CLASSKEY_INFO
ALFA_PM_CLASS_SETTING_INFO	Alfabet Presentation Model - Class Setting - Information	ALFA_PM_CLASS_SETTING_INFO
ALFA_PM_EDITORDETAIL_INFO	Alfa Presentation Model - Editor Detail - Information	ALFA_PM_EDITORDETAIL_INFO
ALFA_PM_GRAPHICVIEWDETAIL_INFO	Alfabet Presentation Model - Graphic View Detail - Information	ALFA_PM_GRAPHICVIEWDETAIL_INFO
ALFA_PM_PO_BUTTON_INFO	Alfabet Presentation Model - Presentation Object Button - Information	ALFA_PM_PO_BUTTON_INFO
ALFA_PM_PO_INFO	Alfabet Presentation Model - Presentation Object - Information	ALFA_PM_PO_INFO
ALFA_PM_PO_ITEM_INFO	Alfabet Presentation Model - Presentation Object Item - Information	ALFA_PM_PO_ITEM_INFO

Name	Caption	TechName
ALFA_PM_PO_USAGE_INFO	Alfabet Presentation Model - Presentation Object Usage - Information	ALFA_PM_PO_USAGE_INFO
ALFA_PM_SELECTOR_INFO	Alfabet Presentation Model - Object Selector - Information	ALFA_PM_SELECTOR_INFO
ALFA_PM_VIEWSCHEME_CLASS_INFO	Alfabet Presentation Model - View Scheme (Object Class) - Configuration	ALFA_PM_VIEWSCHEME_CLASS_INFO
ALFA_PM_VIEWSCHEME_INFO	Alfabet Presentation Model - View Scheme - Information	ALFA_PM_VIEWSCHEME_INFO
ALFA_PM_VIEWSCHEME_VIEW_INFO	Alfabet Presentation Model - View Scheme (Graphic View) - Configuration	ALFA_PM_VIEWSCHEME_VIEW_INFO
ALFA_PM_VS_EXCLUDEDBUTTON_INFO	Alfabet Presentation Model Excluded Presentation Object Buttons Information	ALFA_PM_VS_EXCL_BUTTON_INFO
ALFA_PM_VS_EXCLUDEDCONTROL_INFO	Alfabet Presentation Model Excluded View Control Information	ALFA_PM_VS_EXCL_CONTROL_INFO
ALFA_PM_VS_EXCLUDEDVIEW_INFO	Alfabet Presentation Model Excluded Views Information	ALFA_PM_VS_EXCL_VIEW_INFO
ALFA_PM_VS_SELECTOR_OVERWRITE_INFO	Alfabet Presentation Model Overwritten View Selector Information	ALFA_PM_VS_SLCTR_OVERWR_INFO

Name	Caption	TechName
ALFA_PM_WIZARD_EXCLUDEDBUTTON_INFO	Alfabet Presentation Model Excluded Wizard Button Information	ALFA_PM_WZD_EXCL_BUTTON_INFO
ALFA_PM_WIZARD_EXCLUDEDCONTROL_INFO	Alfabet Presentation Model Excluded Wizard Control Information	ALFA_PM_WZD_EXCL_CONTROL_INFO
ALFA_PM_WIZARD_SELECTOR_OVER-WRITE_INFO	Alfabet Presentation Model Overwritten Wizard Selector Information	ALFA_PM_WZD_SLCTR_OVERWR_INFO
BFDimension	Business Dimemsion Connection	BFDIMENSION
BusinessQuestionGroup	BusinessQuestionGroup	BUSINESSQUESTIONGROUP
GAI_DBConnection	Generic API Integration Database Connection	GAI_DBCONNECTION
GenericAffectedArch	Generic Architecture Connection	GENERICAFFECTEDARCH
IntegrationConnectionDetails	Integration Connection Detail	INTEGRATIONCONNECTIONDETAILS
TeamsMeeting	MS Teams Meeting	TEAMSMEETING
TeamsMeeting_Sync	MS Teams Meeting Synchronization	TEAMSMEETING_SYNC

Name	Caption	TechName
TeamsMeetingAttendees	MS Teams Meeting Invitees	TEAMSMEETINGATTENDEES

Object Classes Removed from the Meta-Model

None

Object Classes with a Changed Technical Name

None

Object Classes with a Changed Caption

Class Name	Class TechName	Old Class Caption	New Class Caption
ALFA_MM_CAPABILITY	ALFA_MM_CAPABILITY	Alfabet Class Capability Assignment	Alfabet Meta-Model - Class Capability Assignment
ALFA_MM_CLASS_INFO	ALFA_MM_CLASS_INFO	Alfabet Meta-Model Class Information	Alfabet Meta-Model - Class - Information

Class Name	Class TechName	Old Class Caption	New Class Caption
ALFA_MM_CULTURE_INFO	ALFA_MM_CULTURE_INFO	Alfabet Meta-Model Culture Information	Alfabet Meta-Model - Culture - Information
ALFA_MM_ENUM_INFO	ALFA_MM_ENUM_INFO	Alfabet Meta-Model Enumeration Information	Alfabet Meta-Model - Enumeration - Information
ALFA_MM_INTEGRITY_INFO	ALFA_MM_INTEGRITY_INFO	Alfabet Integrity Definitions	Alfabet Meta-Model - Integrity Definitions
ALFA_MM_PROP_INFO	ALFA_MM_PROP_INFO	Alfabet Meta-Model Class Property Information	Alfabet Meta-Model - Class Property - Information
ALFA_MM_RELATION_INFO	ALFA_MM_RELATION_INFO	Alfabet Meta-Model Class Relationship Information	Alfabet Meta-Model - Class Relationship - Information
ALFA_MM_STEREOTYPE_INFO	ALFA_MM_STEREOTYPE_INFO	Alfabet Meta-Model Class Stereotype Information	Alfabet Meta-Model - Class Stereotype - Information
ALFA_PM_COCKPIT_INFO	ALFA_PM_COCKPIT_INFO	Alfabet Presentation Model Cockpit Information	Alfabet Presentation Model - Cockpit - Information
ALFA_PM_COCKPITDETAIL_INFO	ALFA_PM_COCKPITDETAIL_INFO	Alfabet Presentation Model Cockpit Detail Information	Alfabet Presentation Model - Cockpit Detail - Information

Class Name	Class TechName	Old Class Caption	New Class Caption
ALFA_PM_CONDITION_INFO	ALFA_PM_CONDITION_INFO	Alfabet Presentation Model Condition Information	Alfabet Presentation Model - Condition - Information
ALFA_PM_EDITOR_INFO	ALFA_PM_EDITOR_INFO	Alfabet Presentation Model Editor Information	Alfabet Presentation Model - Editor - Information
ALFA_PM_OBJECTVIEW_INFO	ALFA_PM_OBJECTVIEW_INFO	Alfabet Presentation Model Object View Information	Alfabet Presentation Model - Object View - Information
ALFA_PM_OBJECTVIEWDETAIL_INFO	ALFA_PM_OBJECTVIEWDETAIL_INFO	Alfabet Presentation Model Object View Detail Information	Alfabet Presentation Model - Object View Detail - Information
ALFA_PM_PAGEVIEW_INFO	ALFA_PM_PAGEVIEW_INFO	Alfabet Presentation Model Page View Information	Alfabet Presentation Model - Page View - Information
ALFA_PM_WIZARD_INFO	ALFA_PM_WIZARD_INFO	Alfabet Presentation Model Wizard Information	Alfabet Presentation Model - Wizard - Information
ALFA_PM_WIZARDSTEP_INFO	ALFA_PM_WIZARDSTEP_INFO	Alfabet Presentation Model Wizard Step Information	Alfabet Presentation Model - Wizard Step - Information
ALFA_PM_WORKSPACE_INFO	ALFA_PM_WORKSPACE_INFO	Alfabet Presentation Model Workspace Information	Alfabet Presentation Model - Workspace - Information

Class Name	Class TechName	Old Class Caption	New Class Caption
ALFA_SEMANTICSEARCH_PRO-CESSED_QUERY	ALFA_SEMSEARCH_PRO-CESSED_QUERY	ALFA_SEMANTICSEARCH_PRO-CESSED_QUERY	Processed Semantic Search Queries
GenericREST_DBConnection	GENERICREST_DBCONNECTION	REST API Connection	Generic REST API Connection

New Properties Added to Existing Object Classes

Class Name	Class Caption	Property Name	Property Caption	Property TechName
ALFA_CLUSTERING_RECOMMENDA-TION	Clustering Recommendation	PROBLEMRESOLUTIONHINT	Problem Resolution Hint	PROBLEMRESOLU-TIONHINT
ALFA_CLUSTERING_RECOMMENDA-TION	Clustering Recommendation	PROBLEMRESOLUTIONVIEW	Problem Resolution View	PROBLEMRESOLU-TIONVIEW
ALFA_DATACAPTURETEMPLATE	Data Capture Template	SampleFilterType	Sample Filter Type	SAMPLEFILTERTYPE
ALFA_DATACAPTURETEMPLATE	Data Capture Template	MonetaryType	Monetary Type	MONETARYTYPE
ALFA_DATACAPTURETEMPLATE	Data Capture Template	ProjectReport	Project Report	PROJECTREPORT

Class Name	Class Caption	Property Name	Property Caption	Property TechName
ALFA_DATACAPTURETEMPLATE	Data Capture Template	ProjectCostType	Project Cost Capture Type	PROJECTCOSTTYPE
ALFA_DATACAPTURETEMPLATE	Data Capture Template	FiscalYear	Fiscal Year	FISCALYEAR
ALFA_DATACAPTURETEMPLATE	Data Capture Template	CustomerIndicator	Include Customer Indicator Types	CUSTOMERINDICATOR
ALFA_DATACAPTURETEMPLATE	Data Capture Template	CustomerRoleType	Include Customer Role Types	CUSTOMERROLETYPE
ALFA_INSTANCE_VOC_AUTO	Automated Instance Translation References	IS_RICH_TEXT	Is HTML Content	IS_RICH_TEXT
ALFA_MM_CAPABILITY	Alfabet Meta-Model - Class Capability Assignment	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_MM_CAPABILITY	Alfabet Meta-Model - Class Capability Assignment	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_MM_CLASS_INFO	Alfabet Meta-Model - Class - Information	CREATION_DATE	Creation Date	CREATION_DATE

Class Name	Class Caption	Property Name	Property Caption	Property TechName
ALFA_MM_CLASS_INFO	Alfabet Meta-Model - Class - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_MM_CLASS_INFO	Alfabet Meta-Model - Class - Information	ALFABOTANALYSISMODE	AlfaBot Analysis Mode	ALFABOTANALYSISMODE
ALFA_MM_CULTURE_INFO	Alfabet Meta-Model - Culture - Information	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_MM_CULTURE_INFO	Alfabet Meta-Model - Culture - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_MM_ENUM_INFO	Alfabet Meta-Model - Enumeration - Information	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_MM_ENUM_INFO	Alfabet Meta-Model - Enumeration - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_MM_ENUM_INFO	Alfabet Meta-Model - Enumeration - Information	TRANSLATABLE	Translatable	TRANSLATABLE
ALFA_MM_ENUM_INFO	Alfabet Meta-Model - Enumeration - Information	ENABLEGENATTRIBUTE	Enabled for Generic Attribute	ENABLEGENATTRIBUTE

Class Name	Class Caption	Property Name	Property Caption	Property TechName
ALFA_MM_INTEGRITY_INFO	Alfabet Meta-Model - Integrity Definitions	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_MM_INTEGRITY_INFO	Alfabet Meta-Model - Integrity Definitions	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_MM_PROP_INFO	Alfabet Meta-Model - Class Property - Information	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_MM_PROP_INFO	Alfabet Meta-Model - Class Property - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_MM_PROP_INFO	Alfabet Meta-Model - Class Property - Information	HTMLCONTENT	HTML Content	HTMLCONTENT
ALFA_MM_RELATION_INFO	Alfabet Meta-Model - Class Relationship - Information	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_MM_RELATION_INFO	Alfabet Meta-Model - Class Relationship - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_MM_STEREOTYPE_INFO	Alfabet Meta-Model - Class Stereotype - Information	CREATION_DATE	Creation Date	CREATION_DATE

Class Name	Class Caption	Property Name	Property Caption	Property TechName
ALFA_MM_STEREOTYPE_INFO	Alfabet Meta-Model - Class Stereotype - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_PM_COCKPIT_INFO	Alfabet Presentation Model - Cockpit - Information	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_PM_COCKPIT_INFO	Alfabet Presentation Model - Cockpit - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_PM_COCKPITDETAIL_INFO	Alfabet Presentation Model - Cockpit Detail - Information	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_PM_COCKPITDETAIL_INFO	Alfabet Presentation Model - Cockpit Detail - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_PM_CONDITION_INFO	Alfabet Presentation Model - Condition - Information	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_PM_CONDITION_INFO	Alfabet Presentation Model - Condition - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_PM_EDITOR_INFO	Alfabet Presentation Model - Editor - Information	CREATION_DATE	Creation Date	CREATION_DATE

Class Name	Class Caption	Property Name	Property Caption	Property TechName
ALFA_PM_EDITOR_INFO	Alfabet Presentation Model - Editor - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_PM_OBJECTVIEW_INFO	Alfabet Presentation Model - Object View - Information	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_PM_OBJECTVIEW_INFO	Alfabet Presentation Model - Object View - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_PM_OBJECTVIEWDETAIL_INFO	Alfabet Presentation Model - Object View Detail - Information	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_PM_OBJECTVIEWDETAIL_INFO	Alfabet Presentation Model - Object View Detail - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_PM_PAGEVIEW_INFO	Alfabet Presentation Model - Page View - Information	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_PM_PAGEVIEW_INFO	Alfabet Presentation Model - Page View - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_PM_PAGEVIEW_INFO	Alfabet Presentation Model - Page View - Information	ReportReference	Report Reference	REPORTREFERENCE

Class Name	Class Caption	Property Name	Property Caption	Property TechName
ALFA_PM_PAGEVIEW_INFO	Alfabet Presentation Model - Page View - Information	ReportName	Report Name	REPORTNAME
ALFA_PM_PAGEVIEW_INFO	Alfabet Presentation Model - Page View - Information	ClassName	Class Name	CLASSNAME
ALFA_PM_PAGEVIEW_INFO	Alfabet Presentation Model - Page View - Information	ClassReference		CLASSREFERENCE
ALFA_PM_WIZARD_INFO	Alfabet Presentation Model - Wizard - Information	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_PM_WIZARD_INFO	Alfabet Presentation Model - Wizard - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_PM_WIZARDSTEP_INFO	Alfabet Presentation Model - Wizard Step - Information	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_PM_WIZARDSTEP_INFO	Alfabet Presentation Model - Wizard Step - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_PM_WIZARDSTEP_INFO	Alfabet Presentation Model - Wizard Step - Information	CUSTOM_EDITOR	Custom Editor Name	CUSTOM_EDITOR

Class Name	Class Caption	Property Name	Property Caption	Property TechName
ALFA_PM_WIZARDSTEP_INFO	Alfabet Presentation Model - Wizard Step - Information	CUSTOM_EDITOR_REF	Custom Editor Reference	CUSTOM_EDITOR_REF
ALFA_PM_WORKSPACE_INFO	Alfabet Presentation Model - Workspace - Information	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_PM_WORKSPACE_INFO	Alfabet Presentation Model - Workspace - Information	LAST_UPDATE	Last Update	LAST_UPDATE
ALFA_REPORT	Report	CREATION_DATE	Creation Date	CREATION_DATE
ALFA_REPORT	Report	CREATION_USER	Creator	CREATION_USER
ALFA_REPORT	Report	CHARTVIEWMODE	Chart View Mode	CHARTVIEWMODE
ALFA_REPORT	Report	CUSTOMCHARTVIEWBASE-CLASS	Custom Chart View Base Class	CUSTOMCHARTVIEWBASE-CLASS
ALFA_REPORT	Report	ADHOC		ADHOC
ALFA_REPORTFOLDER	Report Folder	CREATION_DATE	Creation Date	CREATION_DATE

Class Name	Class Caption	Property Name	Property Caption	Property TechName
ALFA_REPORTFOLDER	Report Folder	CREATION_USER	Creator	CREATION_USER
ALFA_SEMANTICSEARCH_PROCESSED_QUERY	Processed Semantic Search Queries	SEMSEARCH_PROCESSED_QUERY	Processed Query	SEMSEARCH_PROCESSED_QUERY
ALFA_SEMANTICSEARCH_PROCESSED_QUERY	Processed Semantic Search Queries	SEMSEARCH_ENTITY_EMPHASIS	Entity Emphasis	SEMSEARCH_ENTITY_EMPHASIS
ALFA_SEMANTICSEARCH_PROCESSED_QUERY	Processed Semantic Search Queries	SEMSEARCH_RESULTS_COUNT	Results Count	SEMSEARCH_RESULTS_COUNT
ALFA_SEMANTICSEARCH_PROCESSED_QUERY	Processed Semantic Search Queries	SEARCHHITS	Search Hits	SEARCHHITS
ALFA_SEMANTICSEARCH_PROCESSED_QUERY	Processed Semantic Search Queries	SEMSEARCH_USEWORDNETRELATEDWORDS	Use WordNet related words	USEWORDNETRELATEDWORDS
ALFA_SEMANTICSEARCH_PROCESSED_QUERY	Processed Semantic Search Queries	USER_PROFILE		USER_PROFILE
ALFA_SEMANTICSEARCH_PROCESSED_QUERY	Processed Semantic Search Queries	ANALYZEINTENTTYPE		ANALYZEINTENTTYPE

Class Name	Class Caption	Property Name	Property Caption	Property TechName
ALFA_SEMANTICSEARCH_PROCESSED_QUERY	Processed Semantic Search Queries	ADHOC_RESULTS_COUNT		ADHOC_RESULTS_COUNT
ArisDiagramLink	ARIS Diagram Link	ARIS_TYPE_NAME	ARIS Diagram Type Name	ARIS_TYPE_NAME
BusinessQuestion	Business Question	EnablingViews	Enabling Views	ENABLINGVIEWS
BusinessQuestion	Business Question	EnablingReports	Enabling Reports	ENABLINGREPORTS
BusinessQuestion	Business Question	Groups	Business Question Groups	GROUPS
Contract	Contract	Predecessor	Predecessor Contract	PREDECESSOR
DeviceComposition	Device Composition	ID	ID	ID
DeviceDetail	Device Detail	ID	ID	ID
IndicatorType	Indicator Type	ExternComputed	Externally Computed	EXTERNCOMPUTED

Class Name	Class Caption	Property Name	Property Caption	Property TechName
ReportDiagram	Custom Diagram	IsShared	Is Shared	ISSHARED
TeamsCollaborationPost	MS Teams Message	ReadByUsers	Read by Users	READBYUSERS
Technology	Technology	Stereotype	Stereotype	STEREOTYPE

Properties Removed from Existing Object Classes

Class Name	Class Caption	Property Name	Property Caption	Property TechName
ALFA_MM_CAPABILITY	Alfabet Meta-Model - Class Capability Assignment	ID	Property Caption	CAPTION
ALFA_MM_CAPABILITY	Alfabet Meta-Model - Class Capability Assignment	COMMENTS	Property Comment	A_COMMENTS
ALFA_REPORT	Report	ENABLE-CHARTVIEWS	Enable Chart Views	ENABLE-CHARTVIEWS

Class Name	Class Caption	Property Name	Property Caption	Property TechName
ALFA_SEMANTICSEARCH_PROCESSED_QUERY	Processed Semantic Search Queries	PROCESSED_QUERY	Processed Query	PROCESSED_QUERY
ALFA_SEMANTICSEARCH_PROCESSED_QUERY	Processed Semantic Search Queries	ENTITY_EMPHASIS	Entity Emphasis	ENTITY_EMPHASIS
ALFA_SEMANTICSEARCH_PROCESSED_QUERY	Processed Semantic Search Queries	RESULTS_COUNT	Results Count	RESULTS_COUNT

Properties with a Changed Technical Name

None

Properties with a Changed Caption

Class Name	Class Caption	Property Name	Old Property Caption	New Property Caption
AdHocMilestone	Ad-Hoc Milestone	Commited	Is Commited	Is Committed

Class Name	Class Caption	Property Name	Old Property Caption	New Property Caption
ALFA_PM_COCK-PIT_INFO	Alfabet Presentation Model - Cockpit - Information	NAME	Name	Object Cockpit Name
ALFA_PM_COCK-PIT_INFO	Alfabet Presentation Model - Cockpit - Information	CAPTION	Caption	Object Cockpit Caption
ALFA_PM_COCK-PIT_INFO	Alfabet Presentation Model - Cockpit - Information	CUSTOM_HELP_INDEX	Custom Help Index	Custom Context-Sensitive Help URL
ALFA_PM_WIZ-ARD_INFO	Alfabet Presentation Model - Wizard - Information	EXIT_TRANS_POSTCONDI-TIONS	Exit Post-Conditions in the Transaction of the Wizard Step	Execute Post-Conditions in the Transaction of the Wizard Step
ALFA_PM_WIZ-ARD_INFO	Alfabet Presentation Model - Wizard - Information	EXIT_BACKMOVES_POST-CONDITIONS	Exit Post-Conditions on Back Navigation	Execute Post-Conditions on Back Navigation
ALFA_PM_WIZARD-STEP_INFO	Alfabet Presentation Model - Wizard Step - Information	EXIT_BUTTON_HINT	Exit Button Hint	Wizard Step - Close (X) Button Hint
ALFA_PM_WIZARD-STEP_INFO	Alfabet Presentation Model - Wizard Step - Information	HAS_HEADER_HTML	Has Header HTML	Wizard Step - Has HTML Header
ALFA_PM_WIZARD-STEP_INFO	Alfabet Presentation Model - Wizard Step - Information	IS_READ_ONLY	Read-Only	Wizard Step - Is Read-Only

Class Name	Class Caption	Property Name	Old Property Caption	New Property Caption
ALFA_PM_WIZARD-STEP_INFO	Alfabet Presentation Model - Wizard Step - Information	HAS_PROPERTY_EX-CEPT_OVERRIDE	Has Property Exception Over-ride	Wizard Step - Has Property Ex-ception Override
ALFA_PM_WIZARD-STEP_INFO	Alfabet Presentation Model - Wizard Step - Information	TAB_AS_SEPARATE_STEP	Tab as Separate Step	Editor Tabs as Separate Wizard Steps
AzureDevOps_DBCon-nection	Azure DevOps Database Con-nection	Organization	Apigee Organization	MS Azure DevOps Organization
Collaboration	Collaboration Topic	Artifact	Collaboration Artifact	Collaboration Object
Collaboration	Collaboration Topic	ObjectBookmark	Bookmark to Collaboration Arti-fact	Bookmark to Collaboration Object
GenericREST_DBCon-nection	Generic REST API Connection	Connection	REST API Connection	Generic REST API Connection
ProjectDependency	Project Dependency	From	Leading Project	Project
TeamsCollaboration	MS Teams Channel Connection	Users	Collaboration Participants	MS Teams Collaboration Partici-pants

Class Name	Class Caption	Property Name	Old Property Caption	New Property Caption
TeamsCollaboration	MS Teams Channel Connection	ObjectBookmark	Bookmark to Collaboration Artifact	Bookmark to MS Teams Collaboration Object
TeamsCollaboration	MS Teams Channel Connection	IsPrivateChannel	Is Private Channel	Is Private MS Teams Channel
TeamsCollaborationPost	MS Teams Message	Content	Collaboration Post Content	MS Teams Collaboration Message Content
TeamsCollaborationPost	MS Teams Message	Bookmarks	Collaboration Post Bookmarks	MS Teams Collaboration Message Bookmarks

Properties with a Changed Property Type

None

New Functionalities Added to the Meta-Model

Name	Caption
USER_MS_MyTeamsCollaborations	My MS Teams Collaborations

Name	Caption
USER_MS_MyTeamsMeetings	My MS Teams Meetings

Functionalities Removed from the Meta-Model

None

Changes to Standard Editors

Editor Name	Editor Caption	Control Name	Control Caption	Control Added	Control Removed
ALFA_ADIFExport_JS_Editor	Schedule ADIF Export Job	pTableUsage	Table Usage	X	
ALFA_ADIFImport_JS_Editor	Schedule ADIF Import Job	pTableUsage	Table Usage	X	
ALFA_Publication_JS_Editor	Schedule Publication Job	pTableUsage	Table Usage	X.	
ALFA_RescanColorRules_JS_Editor	Schedule Rescan Color Rule Import Job	pTableUsage	Table Usage	X	

Editor Name	Editor Caption	Control Name	Control Caption	Control Added	Control Removed
ALFA_RescanIndicator_JS_Editor	Schedule Rescan Indicator Job	pTableUsage	Table Usage	X	
ALFA_Workflow_JS_Editor	Schedule Workflow Job	pTableUsage	Table Usage	X	
AlfaBatchExecutor_JS_Editor	Schedule Batch Executor Job	pTableUsage	Table Usage	X	
AzureDevOps_Filter_Editor	Azure DevOps Import Filter Assistant	htmProcessingMessage		X	
BCMSG_Editor	Broadcast Message	edtEnDate	End Date	X	
BCMSG_Editor	Broadcast Message	StartDate	Start Date	X	
ClearADIFSessionContent_JS_Editor	Schedule ADIF Session Content Clear Job	pTableUsage	Table Usage	X	
DataQuality_ReportDesignerWeb	Data Quality Report Designer	Edit3	Minimum Cluster Size for Gap Detection	X	
DataQuality_ReportDesignerWeb	Data Quality Report Designer	ChkShowProperty	Display Show Property	X	

Editor Name	Editor Caption	Control Name	Control Caption	Control Added	Control Removed
DataQuality_ReportDesigner-erWeb	Data Quality Report Designer	Edit5	Max String Complexity	X	
DCTClass_Editor	Data Capture Template - Class	CustomerConfiguration	Customer Configuration	X	
DCTClass_Editor	Data Capture Template - Class	cbCustomerIndicator	Include Customer Indicator Types for Class	X	
DCTClass_Editor	Data Capture Template - Class	cbCustomerRoleType	Include Customer Role Types for Class	X	
ExportPageSetupDialog	Export Page Setup	Tab1		X	
ExportPageSetupDialog	Export Page Setup	Page1	Page Setup	X	
ExportPageSetupDialog	Export Page Setup	Page2	Header/Footer Settings	X	
ExportPageSetupDialog	Export Page Setup	CheckedListBox1	Footer Text	X	
ExportPageSetupDialog	Export Page Setup	CheckedListBox2	Header Text	X	

Editor Name	Editor Caption	Control Name	Control Caption	Control Added	Control Removed
ExportPageSetupDialog	Export Page Setup	edtFontColor	Font Color	X	
ExportPageSetupDialog	Export Page Setup	edtFontSize	Font Size	X	
IndicatorType	Indicator Type	CheckBox2	Maintained with Alfabet Data Integration Framework	X	
PRJ_Shift_Editor	Shift Start/End Dates	cbxMilestones	Shift Milestone Dates	X	

Views With Changes to Menu Buttons

View Name	Button Name	Button Caption	Button Menu Item Name	Button Menu Item Caption	Added	Removed
ADMIN_BroadcastMessages	&New	New	CreateTimedBM	Create Timed Broadcast Message...	X	
BFN_BusinessObjects	EditDataUsage	Edit Business Data Usage			X	

View Name	Button Name	Button Caption	Button Menu Item Name	Button Menu Item Caption	Added	Re-moved
CNTR_CaptureContracts	&New	New	CreateSuccessor	Create Successor Contract...	X	
CNTR_CaptureContracts	&New	New	CreateSuccessorSelected	Create Successor of the Selected Contract	X	
CNTR_CaptureCon-tracts_Ex	&New	New	CreateSuccessor	Create Successor Contract...	X	
CNTR_CaptureCon-tracts_Ex	&New	New	CreateSuccessorSelected	Create Successor of the Selected Contract	X	
CNTR_SlaveContracts	&New	New	CreateSuccessor	Create Successor Contract...	X	
CNTR_SlaveContracts	&New	New	CreateSuccessorSelected	Create Successor of the Selected Contract	X	
CNTR_UserContracts	&New	New	CreateSuccessor	Create Successor Contract...	X	
CNTR_UserContracts	&New	New	CreateSuccessorSelected	Create Successor of the Selected Contract	X	
CNTRG_Contracts	&New	New	CreateSuccessor	Create Successor Contract...	X	

View Name	Button Name	Button Caption	Button Menu Item Name	Button Menu Item Caption	Added	Re-moved
CNTRG_Contracts	&New	New	CreateSuccessorSelected	Create Successor of the Selected Contract	X	
DEM_ArchitectureElements	&New	New	AddNetwork	Add Network...	X	
ITPLC_AffectedArchitec-ture	&New	New	AddNetwork	Add Network...	X	
ITPLC_ImplementingArchi-tecture	&New	New	AddNetwork	Add Network...	X	
ObjectDocumentsDataSet	&New	New	AddUrl_MSTeams	Add Web Link Based on MS Teams File Link...	X	
PLAT_SOL_Matrix	View	View	ShowEmbeddedPlatform	Show Embedded Standard Plat-form	X	
PLATCOM_Matrix	View	View	ShowEmbeddedPlatform	Show Embedded Standard Plat-form	X	
PRJ_ArchitectureElements	&New	New	AddNetwork	Add Network...	X	

View Name	Button Name	Button Caption	Button Menu Item Name	Button Menu Item Caption	Added	Re-moved
PRJ_CaptureProjects	&New	New	CreateProjectAsCopy	Create New Project as Copy...	X	
PRJ_CaptureProjects_Ex	&New	New	CreateProjectAsCopy	Create New Project as Copy...	X	
PRJ_Dependency	&New	New	CreateDependencyFrom	Specify Project Dependent on Current Project	X	
PRJ_ObjectRelevantPro-jects	&New	New	AddProject	Add Existing Project...	X	
PRJ_ObjectRelevantPro-jects	DetachProject				X	
PRJ_TimeSchedule	&New	New	CreateProjectAsCopy	Create Sub-Project as Copy...	X	
PRJ_TimeScheduleGantt	&New	New	CreateProjectAsCopy	Create Sub-Project as Copy...	X	
QueryInstructionToolbar	btnFormattingIn-structions	Formatting Instruc-tions	btnDynLinkAssignment	DynamicLinkAssignment	X	
QueryInstructionToolbar	btnFormattingIn-structions	Formatting Instruc-tions	btnDynamicColorAssign-ment	DynamicColorAssignment	X	

View Name	Button Name	Button Caption	Button Menu Item Name	Button Menu Item Caption	Added	Re-moved
QueryInstructionToolbar	btnFormattingIn-structions	Formatting Instruc-tions	btnDynamicPicture-Assignment	DynamicPictureAssignment	X	
QueryInstructionToolbar	btnFormattingIn-structions	Formatting Instruc-tions	btnDynEditLinkAssign-ment	DynamicEditLinkAssignment		X
SPL_Matrix	&New	New	AddPlatformFromMenu	Add Existing Standard Platform...	X	
SPL_Matrix	&New	New	CopyPlatformFromMenu	Copy Elements from Standard Platform...	X	
SPL_Matrix	&New	New	Sep5	'-	X	
SPL_Matrix	View	View	ShowEmbeddedPlatform	Show Embedded Standard Plat-form	X	
SPL_SOL_Matrix	View	View	ShowEmbeddedPlatform	Show Embedded Standard Plat-form	X	
VMND_Roots	DeleteSubordinates	Delete Subordinate Hierachy			X	

View Name	Button Name	Button Caption	Button Menu Item Name	Button Menu Item Caption	Added	Re-moved
VMND_Roots	DeleteNetwork	Delete Entire Strategy Network			X	
VMND_SubNodes	DeleteSubordinates	Delete Subordinate Hierachy			X	

Views Added to Standard Object Profiles

Object View	Workspace Name	Workspace Caption	Page View Name	Page View Caption
BFN_ObjectView	BFN_Business	Business Architecture	BFN_Dimensions	Business Dimensions
BQ_ObjectView	BQ_Structure	Structure	BQ_Groups	Business Question Groups
BSVC_ObjectView	BSVC_Business	Business Architecture	BFN_Dimensions	Business Dimensions
CNTR_ObjectView	CNTR_Structure	Structure	CNTR_SuccessorContractsReport	Successor Contracts Report

Object View	Workspace Name	Workspace Caption	Page View Name	Page View Caption
FreeObjectView	FreeViews	Free Views Ordinary Functions	LicenseManagement_ListDownloaded-Licenses	Downloaded License Files
FreeObjectView	FreeViews	Free Views Ordinary Functions	USER_MS_TeamsMeetings	MS Teams Meeting
FreeObjectView	FreeViews	Free Views Ordinary Functions	USER_MS_MyTeamsMeetings	My MS Teams Meetings
FreeObjectView	FreeViews	Free Views Ordinary Functions	USER_TeamsCollaborations	All MS Teams Collaboration Topics
LOC_ObjectView	LOC_ChangeRequestAnalysis	Change Request Analysis	ObjectValueNodes	Impacting Value Nodes
NET_ObjectView	NET_ChangeRequestAnalysis	Change Request Analysis	DEM_ObjectRelevantDemands	Relevant Demands
NET_ObjectView	NET_ChangeRequestAnalysis	Change Request Analysis	PRJ_ObjectRelevantProjects	Relevant Projects
NET_ObjectView	NET_ChangeRequestAnalysis	Change Request Analysis	DEM_ProjectsKanban	Project Kanban

Object View	Workspace Name	Workspace Caption	Page View Name	Page View Caption
NET_ObjectView	NET_ChangeRequestAnaly-sis	Change Request Analysis	DEM_StatusAndTypes	Demand Status and Classifi-cation
NET_ObjectView	NET_ChangeRequestAnaly-sis	Change Request Analysis	DEM_Trend	Demand Trend
NET_ObjectView	NET_ChangeRequestAnaly-sis	Change Request Analysis	ITPLC_ObjectPolicies1	Affecting Policies
NET_ObjectView	NET_ChangeRequestAnaly-sis	Change Request Analysis	ITPLC_ObjectPolicies2	Implemented Policies
TLG_ObjectView	TLG_ChangeRequestAnaly-sis	Change Request Analysis	DEM_ObjectRelevantDemands	Relevant Demands
TLG_ObjectView	TLG_ChangeRequestAnaly-sis	Change Request Analysis	PRJ_ObjectRelevantProjects	Relevant Projects
TLG_ObjectView	TLG_ChangeRequestAnaly-sis	Change Request Analysis	DEM_ProjectsKanban	Project Kanban
TLG_ObjectView	TLG_ChangeRequestAnaly-sis	Change Request Analysis	DEM_StatusAndTypes	Demand Status and Classifi-cation

Object View	Workspace Name	Workspace Caption	Page View Name	Page View Caption
TLG_ObjectView	TLG_ChangeRequestAnalysis	Change Request Analysis	DEM_Trend	Demand Trend
VDR_ObjectView	VDR_ChangeRequestAnalysis	Change Request Analysis	ObjectValueNodes	Impacting Value Nodes
VMMSRTA_ObjectView	VMMSRTA_General	Basic Data	ObjectTimeSeriesEvaluation	Time Series Evaluation
VST_ObjectView	VST_ChangeRequestAnalysis	Change Request Analysis	ObjectValueNodes	Impacting Value Nodes
VST_ObjectView	VST_ChangeRequestAnalysis	Change Request Analysis	DEM_ObjectRelevantDemands	Relevant Demands
VST_ObjectView	VST_ChangeRequestAnalysis	Change Request Analysis	PRJ_ObjectRelevantProjects	Relevant Projects
VST_ObjectView	VST_ChangeRequestAnalysis	Change Request Analysis	DEM_ProjectsKanban	Project Kanban
VST_ObjectView	VST_ChangeRequestAnalysis	Change Request Analysis	DEM_StatusAndTypes	Demand Status and Classification

Object View	Workspace Name	Workspace Caption	Page View Name	Page View Caption
VST_ObjectView	VST_ChangeRequestAnaly-sis	Change Request Analysis	DEM_Trend	Demand Trend
VST_ObjectView	VST_ChangeRequestAnaly-sis	Change Request Analysis	ITPLC_ObjectPolicies1	Affecting Policies

Views Removed from Standard Object Profiles

None

Changes to Attribute Grids in Alfabet Expand

Changed Attribute Captions

Configuration Object Grid	Attribute Caption	Old Attribute Caption
ADIF_CommandGroupTemplate	Command Type	Type
AlfaClassSettingsTemplate	Allow Read Permissions via REST API	Allow Read via Rest API
AlfaClassSettingsTemplate	Allow Write Permissions via REST API	Allow Write via Rest API
AlfaClassSettingsTemplate	Editor	Edit View
AlfaClassSettingsTemplate	Properties in Preview	Preview Properties
AlfaClassSettingsTemplate	Properties to Sort	Sort Properties
AlfaClassSettingsTemplate	Report Collection	Supplementary reports
AlfaDbViewTemplate	Applicable for AlfaBot	Applicable For AlfaBot
AlfaExplNodeTemplate	Editor	Edit View
AlfaExplNodeTemplate	Properties in Preview	Preview Properties
AlfaGuiSchemeTemplate	Third-Party Service Data Security Warning	Third Party Service Data Security Warning
AlfaPresentationItemTemplate	Editor	Edit View
AlfaViewControlTemplate	Automatic Sizing	Automatic Sizing
AlfaViewControlTemplate	Interface Control Type	Control Type
AlfaViewSchemeTemplate	(Name)	Name

AlfaWizardStepTemplate	Close (X) Button Hint	Cancel Button Hint
AlfaWizardStepTemplate	Editor Tabs as Separate Wizard Steps	Tab as Separate Step
AlfaXmlObjectTemplate	Visible In Alfabet Administrator	Visible In Administrator
EditorRenderingOptioinsTemplate	Caption Column Width	Captions Column Width
EditorRenderingOptioinsTemplate	Collapsible Group Box - Caption Color	Collapsable Groupbox Caption Font Color
EditorRenderingOptioinsTemplate	Collapsible Group Box - Frame Color	Collapsable Groupbox Frame Color
EditorRenderingOptioinsTemplate	Show Button to Collapse All Tabs	Show Collapse All Tabs Button
EditorRenderingOptioinsTemplate	Show Hint Below Editor Field	Show Hint Below Editor Field
SecondaryViewDefTemplate	Show Automatically	Auto-Show

Removed Attributes

Configuration Object Grid	Attribute Caption
ADIF_ADImportSetTemplate	Accessibility
ADIF_ADImportSetTemplate	Execution Instructions
ADIF_ADImportSetTemplate	Visibility
ADIF_DBExportSetTemplate	Accessibility
ADIF_DBExportSetTemplate	Execution Instructions
ADIF_DBExportSetTemplate	Visibility
ADIF_DBImportSetTemplate	Accessibility
ADIF_DBImportSetTemplate	Execution Instructions
ADIF_DBImportSetTemplate	Visibility
ADIF_EventEntryTemplate	Accessibility
ADIF_EventEntryTemplate	Visibility
ADIF_ExportEntryTemplate	Accessibility
ADIF_ExportEntryTemplate	Execution Instructions
ADIF_ExportEntryTemplate	Export File Template
ADIF_ExportEntryTemplate	Visibility
ADIF_ExportSchemeTemplate	Accessibility
ADIF_ExportSchemeTemplate	Assembly
ADIF_ExportSchemeTemplate	Assembly Class

ADIF_ExportSchemeTemplate	Execution Instructions
ADIF_ExportSchemeTemplate	Footer
ADIF_ExportSchemeTemplate	Header
ADIF_ExportSchemeTemplate	Visibility
ADIF_ExportSchemeTemplate	Open Database Transaction
ADIF_FileExportSetTemplate	Accessibility
ADIF_FileExportSetTemplate	Execution Instructions
ADIF_FileExportSetTemplate	Visibility
ADIF_FileImportSetTemplate	Accessibility
ADIF_FileImportSetTemplate	Execution Instructions
ADIF_FileImportSetTemplate	Visibility
ADIF_ImportEntryTemplate	Accessibility
ADIF_ImportEntryTemplate	Execution Instructions
ADIF_ImportEntryTemplate	Visibility
ADIF_ImportSchemeTemplate	Accessibility
ADIF_ImportSchemeTemplate	Assembly
ADIF_ImportSchemeTemplate	Assembly Class
ADIF_ImportSchemeTemplate	Execution Instructions
ADIF_ImportSchemeTemplate	Visibility
ADIF_ImportSchemeTemplate	Open Database Transaction

ADIF_WorkflowEntryTemplate	Accessibility
ADIF_WorkflowEntryTemplate	Execution Instructions
ADIF_WorkflowEntryTemplate	Visibility
ADIF_XMLExportSetTemplate	Accessibility
ADIF_XMLExportSetTemplate	Execution Instructions
ADIF_XMLExportSetTemplate	Visibility
ADIF_XMLImportSetTemplate	Accessibility
ADIF_XMLImportSetTemplate	Execution Instructions
ADIF_XMLImportSetTemplate	Visibility
AlfaApplicationTemplate	Cached Definition
AlfaBFunctionTemplate	Cached Definition
AlfaBFunctionTemplate	Items
AlfaButtonTemplate	Ignore Multi Configuration
AlfaButtonTemplate	View Prefix
AlfaButtonTemplate	View Suffix
AlfaClassSettingsTemplate	Cached Definition
AlfaClassSettingsTemplate	Search Property
AlfaClassSettingsTemplate	XML Design Definition
AlfaClassTemplate	Assembly
AlfaClassTemplate	Assembly Class

AlfaClassTemplate	Can Change Data Capture Behavior
AlfaClassTemplate	Can Change Mandates
AlfaClassTemplate	Can Change Stereotypes
AlfaClassTemplate	Capabilities
AlfaClassTemplate	Documentation Relevance
AlfaClassTemplate	Essential For Use Cases
AlfaClassTemplate	GUID
AlfaClassTemplate	Has Design Information
AlfaClassTemplate	Has Table
AlfaClassTemplate	Help File
AlfaClassTemplate	Parents
AlfaClassTemplate	System Info
AlfaDesignDiagramIconTemplate	Content Type
AlfaDesignDiagramIconTemplate	Parameter
AlfaDesignDiagramInEditorTemplate	Assembly Class
AlfaDesignDiagramInEditorTemplate	Assembly Name
AlfaDesignDiagramInEditorTemplate	Associated Item
AlfaDesignDiagramInEditorTemplate	Base Item
AlfaDesignDiagramInEditorTemplate	Border Item
AlfaDesignDiagramInEditorTemplate	Parameter

AlfaDesignDiagramInEditorTemplate	Resizable Item
AlfaDesignDiagramInEditorTemplate	User Link
AlfaDesignDiagramLineTemplate	Parameter
AlfaDesignDiagramLinkTemplate	Parameter
AlfaDesignDiagramNodeBaseTemplate	Content Type
AlfaDesignDiagramNodeBaseTemplate	Parameter
AlfaDesignDiagramNodeTemplate	Content Type
AlfaDesignDiagramNodeTemplate	Parameter
AlfaDesignDiagramObjectTemplate	Parameter
AlfaDesignDiagramPolygonalTemplate	Content Type
AlfaDesignDiagramPolygonalTemplate	Parameter
AlfaDesignDiagramPolygonTemplate	Parameter
AlfaDesignDiagramPoolTemplate	Parameter
AlfaDesignDiagramRectangleTemplate	Content Type
AlfaDesignDiagramRectangleTemplate	Parameter
AlfaDesignDiagramTemplate	Assembly Class
AlfaDesignDiagramTemplate	Assembly Name
AlfaDesignDiagramTemplate	Associated Item
AlfaDesignDiagramTemplate	Base Item
AlfaDesignDiagramTemplate	Parameter

AlfaDesignDiagramTemplate	Resizable Item
AlfaDesignDiagramTemplate	User Link
AlfaDesignDiagramTextBoxTemplate	Parameter
AlfaDesignDTextAttributesTemplate	Constant Font
AlfaDiagramDefButtonTemplate	Parameter
AlfaDiagramDefConnectionTemplate	Images
AlfaDiagramDefConnectionTemplate	Rescan
AlfaDiagramDefDesignedButtonTemplate	Name
AlfaDiagramDefDesignedButtonTemplate	Parameter
AlfaDiagramDefNodeTemplate	Images
AlfaDiagramDefTemplate	Assembly Class
AlfaDiagramDefTemplate	Assembly Name
AlfaDiagramDefTemplate	Standard Context-Sensitive Help Index
AlfaEnumTemplate	GUID
AlfaEnumTemplate	Help File
AlfaEnvOptionsTemplate	Add Assembly via Path
AlfaEnvOptionsTemplate	Assemblies
AlfaEnvOptionsTemplate	Assembly Path
AlfaEnvOptionsTemplate	Concurrent User Limit
AlfaEnvOptionsTemplate	Database Connection

AlfaEnvOptionsTemplate	Database Driver
AlfaEnvOptionsTemplate	Database Version
AlfaEnvOptionsTemplate	Help File
AlfaEnvOptionsTemplate	Help Index File
AlfaEnvOptionsTemplate	Name
AlfaEnvOptionsTemplate	Namespace
AlfaEnvOptionsTemplate	Platform ADB Version
AlfaEnvOptionsTemplate	Product ID
AlfaEnvOptionsTemplate	Product Name
AlfaEnvOptionsTemplate	Product Web Link
AlfaEnvOptionsTemplate	Solution Handler Assembly
AlfaEnvOptionsTemplate	Solution Handler Class
AlfaEnvOptionsTemplate	Source
AlfaExplorerTemplate	Cached Definition
AlfaGuiSchemeTemplate	Cached Definition
AlfaIconGroupDefTemplate	Cached Definition
AlfaInputFormDefTemplate	Assembly
AlfaInputFormDefTemplate	Assembly Class
AlfaInputFormDefTemplate	Base Classes
AlfaInputFormDefTemplate	Base Culture

AlfaInputFormDefTemplate	Comments
AlfaInputFormDefTemplate	Disabled for Object
AlfaInputFormDefTemplate	Form Controls
AlfaInputFormDefTemplate	Form Controls as Text
AlfaInputFormDefTemplate	Form MS Word Doc File
AlfaInputFormDefTemplate	Name
AlfaInputFormDefTemplate	Object Class
AlfaInputFormDefTemplate	Object Properties
AlfaInputFormDefTemplate	Parameter
AlfaInputFormDefTemplate	Type
AlfaObjectViewDefTemplate	Assembly
AlfaObjectViewDefTemplate	Base Object View
AlfaObjectViewDefTemplate	Cached Definition
AlfaObjectViewDefTemplate	Edit View
AlfaObjectViewDefTemplate	Format SQL
AlfaObjectViewDefTemplate	XML Definition
AlfaParameterDefTemplate	Accessibility
AlfaParameterDefTemplate	Visibility
AlfaPresentationItemTemplate	Background Color
AlfaPresentationItemTemplate	Border Color

AlfaPresentationItemTemplate	Can Copy
AlfaPresentationItemTemplate	Can Move
AlfaPresentationItemTemplate	Can Show
AlfaPresentationItemTemplate	Has Border
AlfaPresentationItemTemplate	Icon
AlfaPresentationItemTemplate	Image Properties
AlfaPresentationItemTemplate	Preview
AlfaPresentationItemTemplate	Properties in Preview
AlfaPresentationItemTemplate	Text Color
AlfaPresentationTemplate	Cached Definition
AlfaPresentationTemplate	Double Click Action
AlfaPropertyLocalSettingsTemplate	Can Change Enable for Data Capture Templates
AlfaPropertyTemplate	Back Reference
AlfaPropertyTemplate	Has Full-Text Search Support
AlfaPropertyTemplate	Help File
AlfaPropertyTemplate	Mandatory
AlfaPropertyTemplate	Persistent
AlfaPropertyTemplate	Persistent In User Context
AlfaPropertyTemplate	Property Type
AlfaPropertyTemplate	Static

AlfaPropertyTemplate	Visible
AlfaSolutionManagerTemplate	Cached Definition
AlfaStateMonitorTemplate	Assembly
AlfaStateMonitorTemplate	Assembly Class
AlfaStateMonitorTemplate	Cached Definition
AlfaStateMonitorTemplate	Group
AlfaStateMonitorTemplate	GUID
AlfaTechInfoFilterTempl	Extensions
AlfaTechInfoTemplate	Extensions
AlfaTechInfoTemplate	System Tag
AlfaTextTemplateTemplate	Cached Definition
AlfaTextTemplateTemplate	Help File
AlfaUserProfileTemplate	Active
AlfaUserProfileTemplate	User Activity Type
AlfaViewControlTemplate	Multi-Select
AlfaViewControlTemplate	Table Layout
AlfaViewDesignerTemplate	Assembly
AlfaViewDesignerTemplate	Assembly Class
AlfaViewSchemeItemDTemplate	XML Definition
AlfaViewSchemeTemplate	Cached Definition

AlfaViewSchemeTemplate	XML Design Definition
AlfaViewTemplate	Add Custom Editor
AlfaViewTemplate	Assembly
AlfaViewTemplate	Assembly Class
AlfaViewTemplate	Base Classes
AlfaViewTemplate	Cached Definition
AlfaViewTemplate	Cancel Button Caption
AlfaViewTemplate	Context-Dependent
AlfaViewTemplate	Format String
AlfaViewTemplate	Has Cancel Button
AlfaViewTemplate	Has Object Caption
AlfaViewTemplate	Has OK Button
AlfaViewTemplate	Header Height
AlfaViewTemplate	Icon
AlfaViewTemplate	Inline Navigation
AlfaViewTemplate	Keep Traditional Layout
AlfaViewTemplate	Object View Filter
AlfaViewTemplate	Object View Presentation Type
AlfaViewTemplate	OK Button Caption
AlfaViewTemplate	Parameter

AlfaViewTemplate	Pop-Up Window
AlfaViewTemplate	Presentation Type
AlfaViewTemplate	Protected
AlfaViewTemplate	Save Context
AlfaViewTemplate	Show Help Icon in Caption
AlfaViewTemplate	Sub-Type
AlfaViewTemplate	Type
AlfaViewTemplate	Usage Type
AlfaViewTemplate	Use for Archive
AlfaViewTemplate	Visible
AlfaViewTemplate	XML Definition
AlfaWizardDefTemplate	Cached Definition
AlfaWizardDefTemplate	GUID
AlfaWizardStepTemplate	Tech Info
AlfaWizardStepTemplate	XML Definition
AlfaWorkSpaceTemplate	Cached Definition
AlfaWorkSpaceTemplate	Icon
AlfaXmlObjectTemplate	Assistant
AlfaXmlObjectTemplate	Cached Definition
AlfaXmlObjectTemplate	Empty Database XML

AlfaXmlObjectTemplate	Essential For Use Cases
AlfaXmlObjectTemplate	Help File
AlfaXmlObjectTemplate	Is Encrypted
AlfaXmlObjectTemplate	Redirect to
ObjectProfileTemplate	Max. Chars
ProfileGroupTemplate	Icon
ProfileGroupTemplate	XML Definition
ProfilePropertyTemplate	As Separate Row
ProfilePropertyTemplate	Icon
ProfilePropertyTemplate	XML Definition