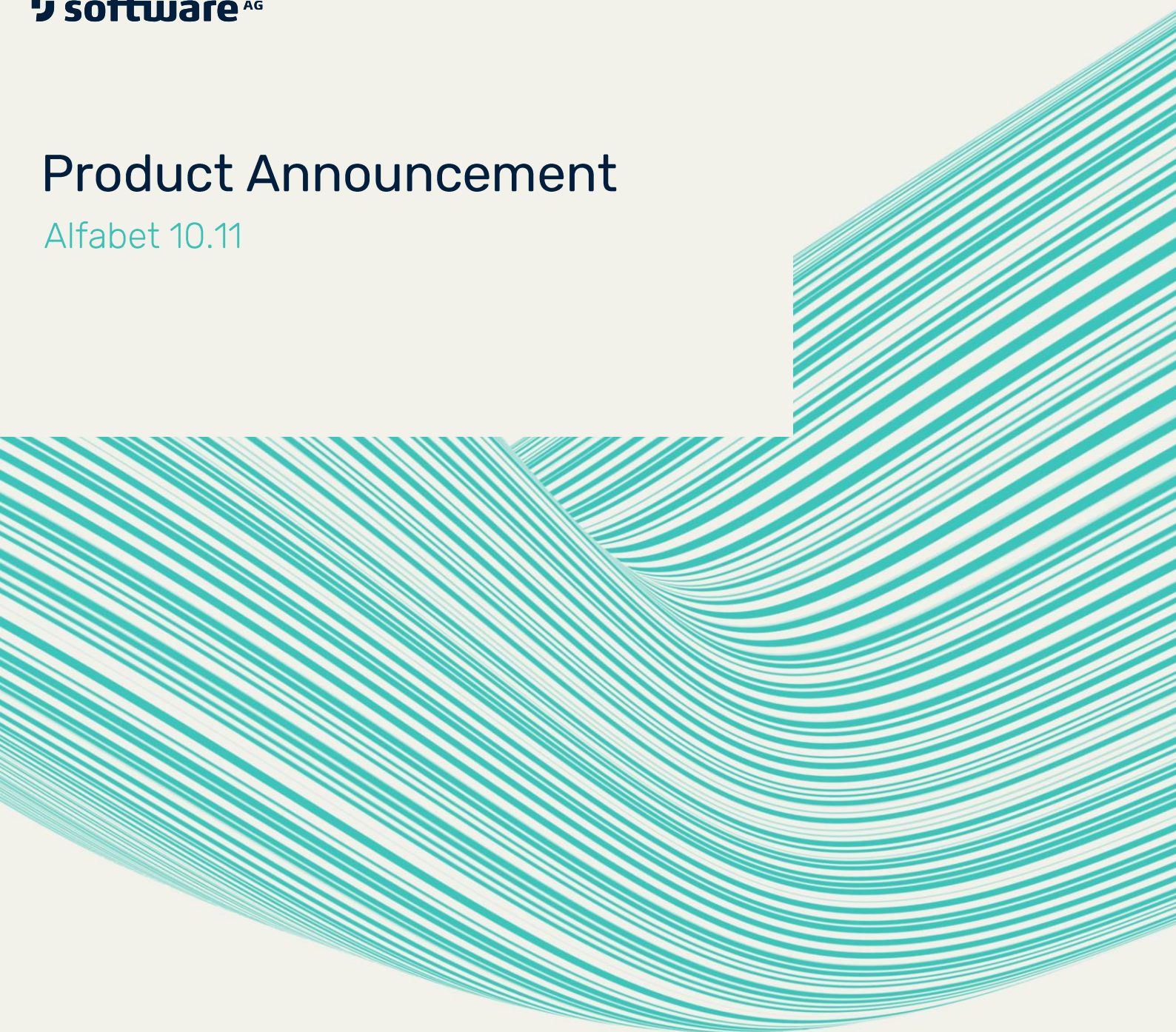




Product Announcement

Alfabet 10.11



ABOUT SOFTWARE AG

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Introduction

Change decisions in business and IT are affected by so many factors that to make them in confidence, the information they're based on needs to take many perspectives into account. With the wealth of information stored in Alfabet, the information is certainly there. Release 10.11 makes it easier for you to get relevant answers to your precise questions. The new release lets you decide the best way to find, understand and digest the information being sought. More in tune with users' natural search and interpretation behavior, release 10.11 makes information available, malleable, and illustrative to provide you insights into the IT portfolio in every imaginable constellation—insights your enterprise needs to compete in the connected world.

Here are the highlights of Alfabet 10.11:

- **Rich-text Content Creation:** Provide users an attractive and connected user experience using HTML formatting for all descriptive and informative text.
- **Portfolio Analytics with Self-service Context Discovery:** View search query results in various contexts to find the most relevant expression of the data.
- **Dynamically Composed Portfolio Insights:** Ask Alfabet any portfolio-related question and choose from a compilation of existing and newly created reports to find the best applicable answer.
- **Multi-perspective Object Assessment:** Perform portfolio assessments in 3D using multiple evaluation criteria to evaluate objects from various perspectives.
- **Universal REST API Connector:** Integrate Alfabet with third-party products using this code-less, business user-ready connector to almost any REST API endpoint.
- **Enhancements to MS Teams Integration:** 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.
- **Data Capture Templates for Project Costs:** Use the new cost-based data capture template to capture actual and planned costs for Business Case, Cost Accrual, and Cash-out Plan for accurate planning and budgeting for investments.
- **Enhancements to AI-Enabled Data Quality Analysis:** Ensure transformation decisions are based on high-quality information using AI techniques that can easily handle immense data stores and comfortably deal with the complexities of your data.
- **Enhanced 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.

Rich-text Content Creation*

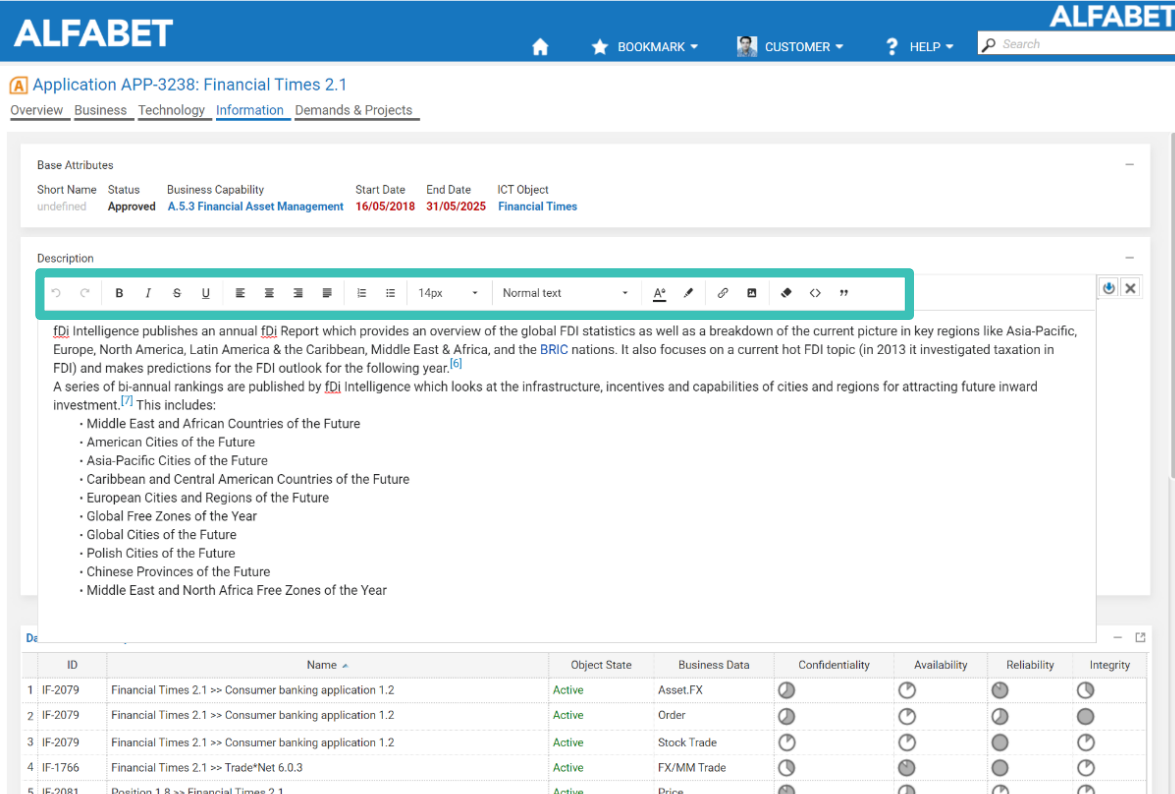
Information in Alfabet for IT portfolio planning and management is presented in many different forms suited to what needs to be conveyed and how it should be consumed. Information in tables, charts, and abbreviated forms such as KPI widgets is complemented by descriptive text that is central to communicating context of the data being displayed.

Rich-text formatting enables better articulation and expression of important ideas, issues, and concepts. It allows the author to be more illustrative to convey deeper meaning and emphasis to focus the reader's attention, as well as provide gateways to supplemental information.

Alfabet 10.11 enables HTML text formatting for descriptive and informational text in object profiles and cockpits. Authors can choose font face and size, create bulleted and numbered lists, embed tables, and include external links. Formatting is done while capturing information and text editing can be done in place directly in the user view. Formatted text and tables from other sources, e.g., Excel tables, PowerPoint text boxes and texts in Word can be easily copied and pasted into Alfabet.

HTML text is equally suited for automated translation. The translation engine carries the formatting over to the translated text.

Rich text support for data coming into Alfabet through integration is planned for future releases.



The screenshot displays the Alfabet application interface. At the top, there is a navigation bar with the Alfabet logo, a home icon, a bookmark icon, a customer profile icon, a help icon, and a search bar. Below the navigation bar, the main content area shows the details for an application named "Financial Times 2.1". The "Description" field is highlighted with a green border, showing a rich-text editor with a toolbar containing icons for undo, redo, bold, italic, underline, text color, background color, bulleted list, numbered list, link, unlink, and text alignment. The text in the description is formatted with bold tags and a bulleted list. Below the description, there is a table with the following data:

ID	Name	Object State	Business Data	Confidentiality	Availability	Reliability	Integrity
1 IF-2079	Financial Times 2.1 >> Consumer banking application 1.2	Active	Asset.FX	🕒	🕒	🕒	🕒
2 IF-2079	Financial Times 2.1 >> Consumer banking application 1.2	Active	Order	🕒	🕒	🕒	🕒
3 IF-2079	Financial Times 2.1 >> Consumer banking application 1.2	Active	Stock Trade	🕒	🕒	🕒	🕒
4 IF-1766	Financial Times 2.1 >> Trade*Net 6.0.3	Active	FX/MM Trade	🕒	🕒	🕒	🕒
5 IF-2081	Position 1.8 >> Financial Times 2.1	Active	Price	🕒	🕒	🕒	🕒

Figure 1: Alfabet 10.11 enables HTML formatting of texts in editors, object cockpits and – as shown here – in object profiles.

* Referred to as "HTML Formatting of Text in Editors, Object Cockpits, and Object Profile" in the release notes.

Portfolio Analytics with Self-service Context Discovery*

The relational underpinning of Alfabet enables objects and their relationships to be examined from multiple perspectives. Alfabet 10.11 provides an efficient method for viewing objects and their relationships in various frames of reference with a new capability for contextualized object analysis. This new feature puts object analysis from many different angles in the hands of the user.

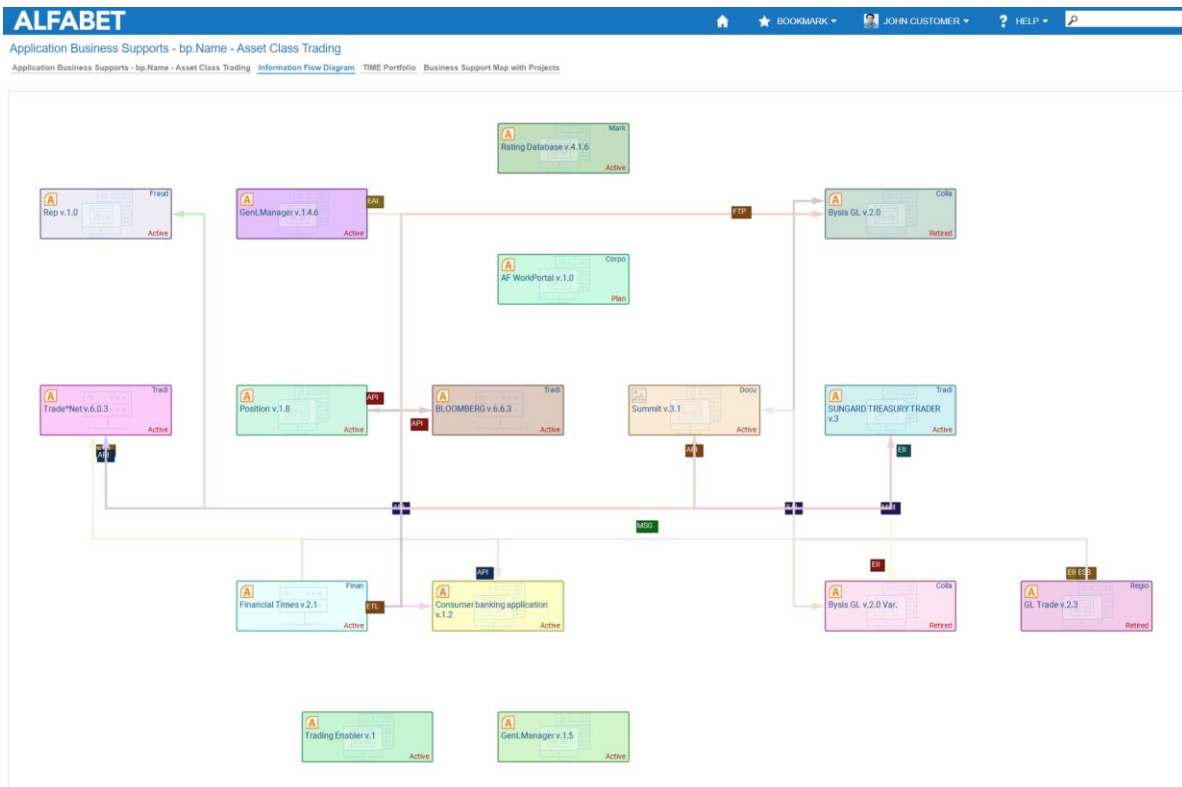
Queries relating objects such as applications, value streams, business capabilities or Agile release trains serve up the object information on which the user then chooses in which context to view the information, e.g., in a portfolio chart or business support map. This enables the user to concentrate on the generic report that can contextualize itself.

ALFABET Application Business Supports - bp.Name - Asset Class Trading

Application Business Supports - bp.Name - Asset Class Trading Information Flow Diagram TIME Portfolio Business Support Map with Projects

19 object(s) has (have) been found

	app Name	app Version	app StartDate	app EndDate	bsp Refstr	bsp StartDate	bsp EndDate	bp Refstr	bp Name	bp LevelID	org Refstr	org Name
1	Rating Database	4.1.6	16/06/2019	09/01/2028	43-554.0	02/07/2020	01/07/2022	598-414.0	Asset Class Trading	2.3.1		
2	Trade*Net	6.0.3	20/01/2017	20/01/2024	43-555.0	20/01/2017	20/11/2023	598-414.0	Asset Class Trading	2.3.1		
3	Rating Database	4.1.6	16/06/2019	09/01/2028	43-555.0	16/06/2019	09/01/2028	598-414.0	Asset Class Trading	2.3.1	262-1199-0	AI Product Management
4	Trade*Net	6.0.3	20/01/2017	20/01/2024	43-368.0	20/01/2017	20/11/2023	598-414.0	Asset Class Trading	2.3.1	262-1211-0	FD Trading
5	Consumer banking application	1.2	26/05/2019	02/07/2023	43-530.0	26/05/2019	01/06/2023	598-414.0	Asset Class Trading	2.3.1	262-1211-0	FD Trading
6	Financial Times	2.1	16/05/2018	31/05/2025	43-537.0	16/05/2018	31/05/2025	598-414.0	Asset Class Trading	2.3.1	262-1211-0	FD Trading
7	Position	1.8	08/10/2015	21/02/2024	43-538.0	08/10/2015	21/02/2024	598-414.0	Asset Class Trading	2.3.1	262-1211-0	FD Trading
8	Rep	1.0	13/10/2017	13/07/2025	43-539.0	13/10/2017	13/07/2025	598-414.0	Asset Class Trading	2.3.1	262-1211-0	FD Trading
9	GenLManager	1.4.6	13/08/2017	05/08/2022	43-540.0	13/08/2017	05/08/2022	598-414.0	Asset Class Trading	2.3.1	262-1211-0	FD Trading
10	GenLManager	1.5	28/05/2021	03/05/2027	43-563.0	28/05/2021	03/05/2027	598-414.0	Asset Class Trading	2.3.1	262-1211-0	FD Trading
11	Trading Enabler	1	02/12/2021	14/03/2025	43-1189.0	02/12/2021	14/03/2025	598-414.0	Asset Class Trading	2.3.1	262-1211-0	FD Trading
12	AF WorkPortal	1.0	09/08/2023	21/02/2026	43-1181.0	09/08/2023	21/02/2026	598-414.0	Asset Class Trading	2.3.1	262-1211-0	FD Trading
13	BLOOMBERG	6.6.3	21/06/2015	30/06/2027	43-295.0	21/06/2015	30/06/2028	598-414.0	Asset Class Trading	2.3.1	262-1350-0	WP Investments
14	Summit	3.1	27/03/2014	15/01/2027	43-299.0	27/03/2014	15/01/2027	598-414.0	Asset Class Trading	2.3.1	262-1350-0	WP Investments
15	SUNGARD TREASURY TRADER	3	14/09/2014	12/12/2026	43-304.0	14/09/2014	12/12/2026	598-414.0	Asset Class Trading	2.3.1	262-1350-0	WP Investments
16	GL Trade	2.3	14/04/2014	12/10/2020	43-311.0	14/04/2014	12/10/2020	598-414.0	Asset Class Trading	2.3.1	262-1350-0	WP Investments
17	Byss GL	2.0	07/02/2017	01/07/2021	43-319.0	07/02/2017	01/07/2021	598-414.0	Asset Class Trading	2.3.1	262-1350-0	WP Investments
18	Byss GL	2.0 Var	07/02/2017	01/07/2021	43-420.0	07/02/2017	01/07/2021	598-414.0	Asset Class Trading	2.3.1	262-1350-0	WP Investments



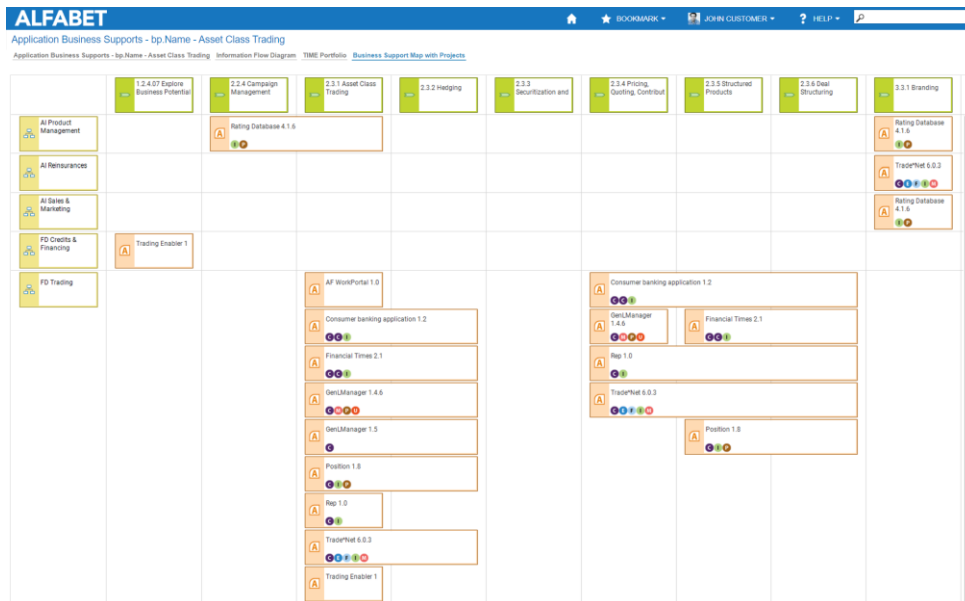
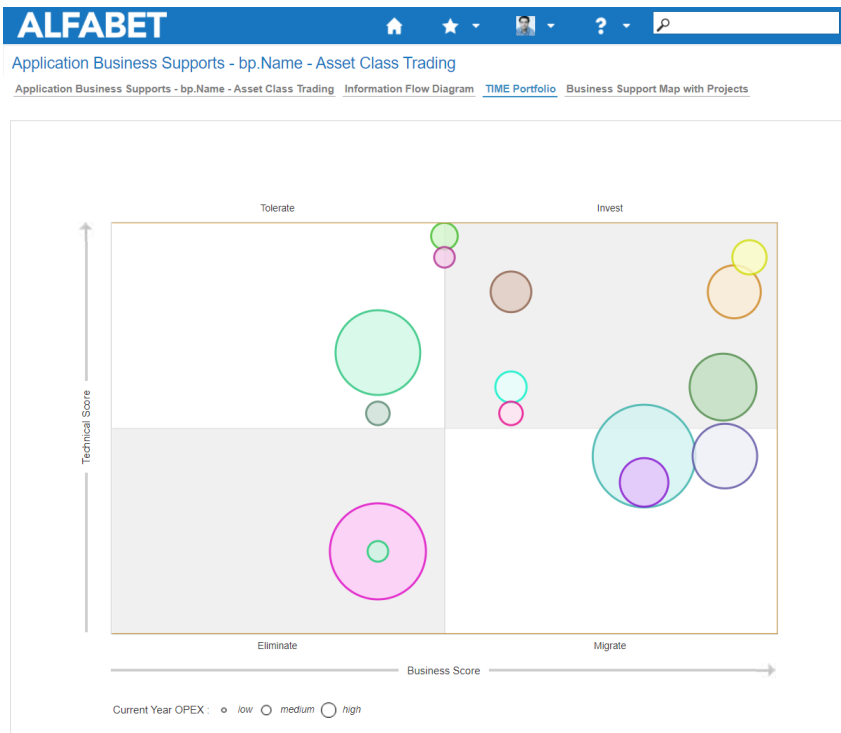


Figure 2: The search query in the first image has delivered the results in tabular form. The user can now choose to view these results in another context, e.g., information flow diagram, TIME report or business support map as shown in the other images.

* Referred to as "Report Collections" in the section "New Report Collections for Self-Service Discovery in Configured Reports" in the release notes.

Dynamically Composed Portfolio Insights*

Artificial intelligence (AI) is often used to anticipate what information a user might be looking for. AI-enabled conversational user interfaces (CUIs) offer users the possibility to look for information in an immense data pool using a natural way of querying. Alfabet 10.11 combines this technology with its ability to understand the object classes and properties used within a report to proffer up all existing reports relating to the intent of a user query, and to create ad hoc tabular reports that may even better match the intent of the user. It 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 portfolio repository.

This new capability leverages preconfigured data providers – generally tabular reports or database views containing relevant data points – for increased hit rates. It enables faceted search with facets that are dynamically created based on the semantic analysis. This reduces the report set to a manageable amount. Examples of facets are:

- Report Template (e.g., Business Chart, Data Table, Portfolio Chart)
- Apply To (e.g., Application Group, Business Function, Domain, ICT Object or Organization)
- Evaluation (e.g., Criticality, Technological Coherence or Operations Simplicity)

which are applied to the entities of the report (such as class, alias, class property, report template, evaluation type and indicator type) to filter down the results of the search.

This new feature builds on a learning mechanism for reuse of reports across many user queries. It incorporates access control to protect against unauthorized disclosure of information.

The screenshot shows the Alfabet 10.11 interface with the following components:

- Header:** ALFABET Dynamically Composed Insights. Subtext: Find configured reports or automatically generate ad hoc reports by asking questions or entering search terms.
- Search Bar:** Search: which applications have business architect mustermann. Submit button.
- Facets (Left Panel):**
 - Report Type:** Automatically Generated, Configured.
 - Stereotypes:** Application, Business Process, Component.
 - Objects:** Business Architecture, SAP Business Framework Architectural.
 - Report Template:** Branching Diagram, Business Chart Report, Data Table, Gantt Chart, Grid Report, Lane Report, Matrix Map Report, Node-Arc Diagram, Portfolio Chart, Treemap Report.
 - Apply To:** Application, Application Group, Business Data, Business Function, Business Object, Business Process, Business Process Model, Device, Device Group, Domain, Enterprise Release, ICT Object, Master Plan Map, Organization, Project.
- Report Grid (Main Panel):** A grid of report cards. Each card includes:
 - Report Type:** Automatically Generated or Configured.
 - Name:** Varies by report, e.g., 'Application - Role Type Name - Architect - Person Name - Mustermann'.
 - Description:** Brief description of the report's content.
 - Apply To:** Information on which entities the report applies to, including popularity stars.
 - Last Visited:** Date and time of the last visit.

Figure 3: Using the Dynamically Composed Portfolio Insights feature, the question “Which applications have business architect musterman?” turns up several existing reports and has created several new reports on the fly.

* Referred to as “Automatically Generated Reports” under “Dynamically Composed Insights via an Enhanced Faceted Search Capability” in the release notes.

Multi-perspective Object Assessment*

Alfabet's ability to capture a multitude of KPIs for portfolio evaluation makes it the ultimate source for decision-making insights. Its ability to create multi-criteria assessments has been extended to allow the user to assess an object viewed from various aspects, i.e. the perspective of other objects, e.g.:

- capability assessment by ecosystem partner
- application user satisfaction by sales channel
- value stream assessment by capability

This new report is an easy way to manage the data behind the assessment. The results can be represented in various forms, e.g., table form or a radar chart. The feature offers an unlimited number of assessments per aspect and criteria per assessment. It can be configured to easily add aspects not supported in the standard meta model.

Alfabet 10.11 provides a range of standard assessments.

Business Capability BCAP-71: A.4.1 Customer Management

Domain
A.4.1 Customer Management

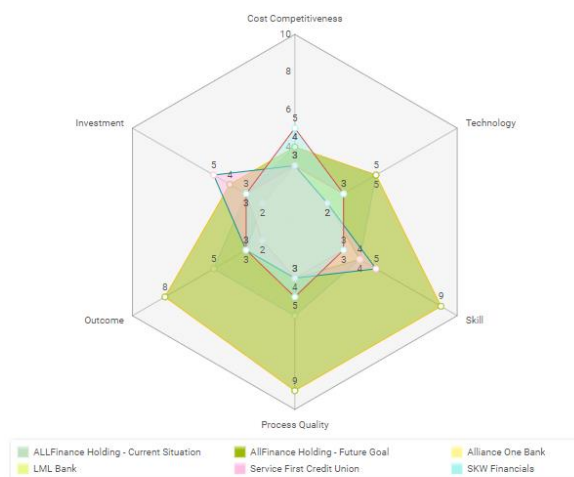


Figure 4: This radar chart shows the results of an assessment of the bank's competitors for the business capability "Customer Management" with the criteria "Cost Competitiveness", "Technology", etc.

* Referred to as "Multi-Perspective Aspect Indicator Reports" in the release notes.

Universal REST API Connector*

Today's digitalization-driven business environment requires an agile IT that can deliver quickly. This can only be achieved with process, information, and system integration. To enhance the basis on which IT decision-makers make their decisions, integration with third-party products is essential to enrich the information and analyses. Further, as IT has grown to become the technological underpinning of today's business, so has the number of activities for managing its various aspects. This adds to the number of integrations required to ensure a holistic and contextual view for IT change decisions.

To address these accelerated integration needs, Alfabet 10.11 delivers a Universal REST API Connector that aligns with common OAS 3.1 standards for automated retrieval of resource and call structures. It uses the commonly accepted Swagger API description format for REST APIs and the globally adopted API description scheme from the Open API Initiative. It provides a code-less, business user-ready connector to almost any REST API endpoint.

The new Universal REST API Connector:

- combines the ease and familiarity of ETL with the familiar REST API
- reuses API connectors with different ETL procedures
- enables identifier-based synchronization for regular, timed, or real-time update cycles
- aligns with Alfabet's standard job scheduling engine and event management framework

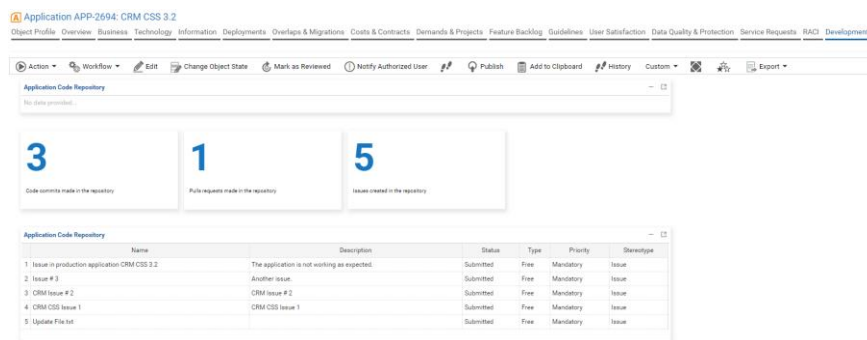


Figure 5: Here we see the results of an integration with GitHub for the application CRM CSS 3.2 using the Universal REST API Connector. This integration extracts information such as code commits, pull requests and issues from GitHub and associates it with applications in Alfabet.

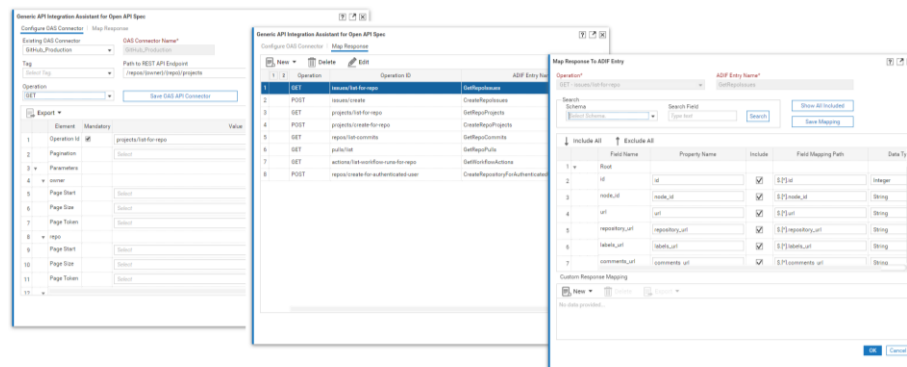


Figure 6: Here we see the simple framework provided for mapping endpoints of Alfabet and the third-party system including an example of mapping for the operations "Get" and "Post".

* See the section "New API for Integration to External Applications Having an OpenAPI Specification-Based RESTful API" in the release notes.

Enhancements to Microsoft Teams Integration*

Collaboration with relevant stakeholders is essential for gathering information, ideas, and feedback, for making better decisions on IT and business change, and for proper governance. Microsoft (MS) Teams is a business communication platform developed by Microsoft as part of the Microsoft 365 family of products.

Alfabet 10.7 first offered an integration with MS Teams to open collaboration on business and IT portfolio management topics to a much larger expanse of subject matter experts. Even comments from Teams users who are not Alfabet users can be seen in the Teams and Alfabet collaborations. Simultaneous communication in Teams and Alfabet ensures that discussions can flow across the enterprise independent of Alfabet yet tethered to portfolio elements that reside in Alfabet.

Alfabet 10.11 extends the MS Teams integration to enable MS Teams channel content to be syndicated in Alfabet. Files such as documents and recordings that are available in the "Files" tab of an Alfabet object-connected MS Teams channel can be linked to from the object's "Attachments" page view in Alfabet.

Another enhancement to the MS Teams integration is the possibility to create an MS Teams meeting for a group of users in Alfabet that becomes part of the MS Teams calendar. The user chooses the roles needing to be involved in the meeting and the meeting finds its way to their calendars. Vice versa, meetings can be scheduled in MS Teams and imported into Alfabet. A new view in Alfabet lists all MS Teams meetings for an individual user. From this view, 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.

Further, Alfabet 10.11 provides a list of all Alfabet object-related MS Teams collaborations the user is participating in. From the list, the user can either open the conversation in MS Teams or navigate to the object in Alfabet to open the collaboration panel and access the conversation there.

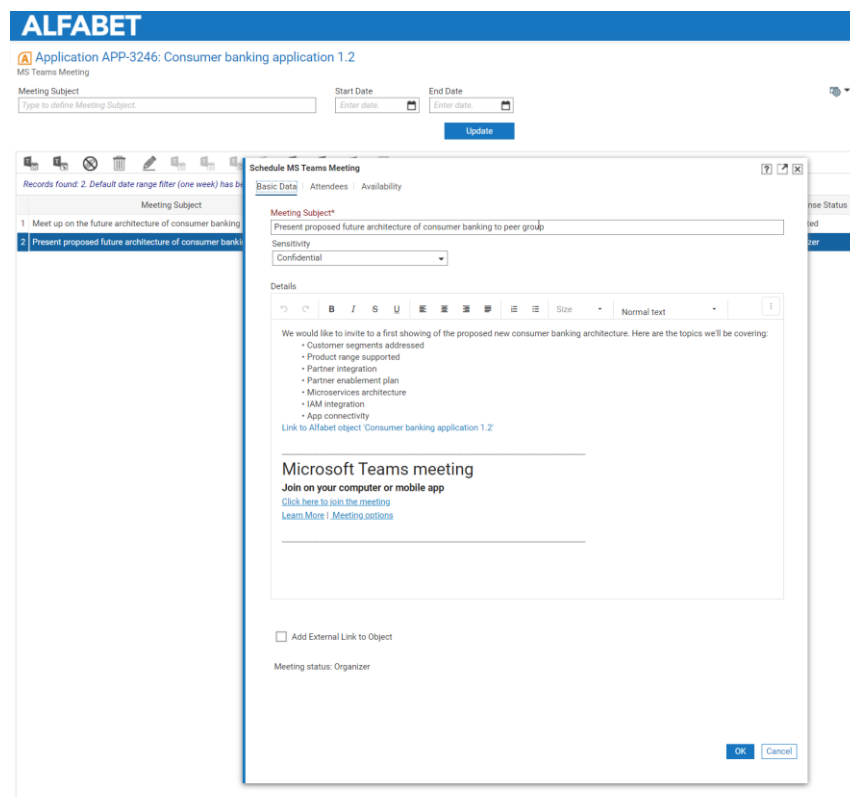


Figure 7: Alfabet 10.11 expands the integration with MS Teams to enable MS Teams meetings to be scheduled directly in Alfabet.


ALFABET

Business Relationships | IT Planning | Enterprise Architecture | IT Finance | IT Risk | Administration | Demonstration

Your personal **Inbox**



- Assignments 7
- MS Teams Meetings 1
- Collaborations 6
- Workflow Activities 16

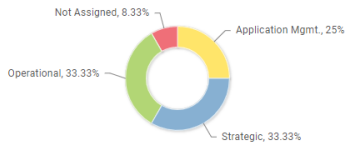


Demand Management

Track and control your business unit requirements and internal purchasing operations.

[Create Demand and Start Workflow](#)

- Capture Demands
- Demand Management
- Demands by Group
- Requirements



Strategy Deduction

Explore your strategy network and manage your business strategies.

[Strategy Network](#)

Capability Management

Define capability maps to evaluate the business capabilities.

[Capability Maps](#)

ALFABET

All MS Teams Collaboration Topics

View all MS Teams collaboration topics that you are invited to.

Open in MS Teams | Export

Records found: 6

ID	Object	Object Class/Stereotype	Channel Owner	Posts Available in Alfabet	Unread Alfabet Posts	Last Post	Last Post User
1	APP-3247	vMarket 2.7	Application:Application	NGOMBE	2	1 24 October 2021 20:02:01	KOWALSKI
2	APP-3243	Trade*Net 6.0.3	Application:Application	CUSTOMER	7	1 19 October 2021 22:38:17	CUSTOMER
3	APP-2990	Eurex 1.0	Application:Application	LEE	2	2 19 October 2021 22:28:30	CUSTOMER
4	APP-3329	ACCOUNT 1.2	Application:Application	CUSTOMER	3	1 19 October 2021 22:25:46	CUSTOMER
5	APP-3217	ACCOUNT 1	Application:Application	ALFABET	3	0 17 October 2021 18:29:40	NGOMBE
6	APP-3246	Consumer banking application 1.2	Application:Application	CLIENTE	0	0	

Figure 8: The Alfabet integration with MS Teams now includes functionality for displaying existing MS Team meetings and collaborations relating to Alfabet and direct click to a listing of these.

* Referred to as "Enhanced Interoperability with Microsoft Teams" in the release notes.

Data Capture Template for Project Costs*

Careful budgeting and investment planning are critical if an organization wants to ensure enough funds for new business innovation development. In its project portfolio governance capability, Alfabet provides the means to plan projects according to the planned investment scope, budget, and timeline, and offers standard templates to support budget allocations for project proposals within programs and/or organizations.

Alfabet 10.9 introduced a data capture template for cost information based on the new data capture method delivered in release 10.4. The cost-based data capture template enables the user to capture actual and planned costs of various cost types for accurate budgeting of applications, deployments, and ICT objects.

For more accurate planning and budgeting for investments, Alfabet 10.11 now provides a data capture template to capture costs related to the business case, cost accrual, and cash-out plan for projects. The definition of data capture templates to capture project costs is similar to the cost-based data capture templates for applications introduced in Alfabet release 10.9. Still configured for the class "Budget Value", the new template addresses a different type of cost planning that captures the business case definition for one or more fiscal years for a specified set of projects and cost or income types.

As previously, but now for cost accrual and cash-out planning, costs can be of the type "requested", "current" or "budget" and one or more currencies can be specified for the data capture template. Once completed, the template is transferred into an Excel spreadsheet, data collected from users and uploaded into the Alfabet repository using quality checks.

The screenshot shows the Alfabet user interface. On the left, a table lists various classes and their corresponding data capture template stereotypes. The class 'Project Cost Accrual' is highlighted. On the right, the configuration form for the 'Data Capture Template - Cost' is displayed. The form includes fields for Name, Release Status, Class, Project Cost Definition Type, Export Record Provider, Sample Record Provider, Status Report Scope, Max. Number of Rows, Export Cost Definition Type, File Name Base, Description, Projects to Capture Cost, Currency, Cost Definition Type for Import, and Permitted Operations.

Figure 9: Alfabet 10.11 offers a new data capture template specifically for capturing project costs. Here we see the template for project cost accrual.

* Referred to as "Extended Data Capture Templates" under "Enhancements to Data Capture Templates Functionality" in the release notes.

Enhancements to AI-enabled Data Quality Assessment*

Alfabet 10.11 improves on the strides made on this capability in previous releases. AI-enabled data quality analysis ensures data completeness for well-informed decisions on IT change. This capability scans the data about objects of an object class for similarity in attribute settings and forms clusters of objects that are structurally related. Within these clusters, objects deviate if they have a few uncompleted attributes yet high similarity in other settings. The AI-enabled data quality analysis is available for all object classes that can be structured in groups such as applications, projects, etc.

This capability allows progress in data quality improvements to be easily monitored and, for example, findings to be leveraged in workflows to be able to take direct action on the finding (i.e., reminder and escalation management) to keep data quality initiatives moving forward. It gives users recommendations to fill in the missing attributes. An attribute can be an object property, an indicator type, a role type, or a computed value.

ID	Quality Score	Cluster ID	MTBF/Observed Mean Time Between	ICT Object	Authorized User	Application is SOX relevant	Type according to SOX classifi	Application Type	Application SOX relevant only
1 APP-3335	3	45		To Be Filled		To Be Filled	To Be Filled		
2 APP-3340	3	8		To Be Filled	To Be Filled		To Be Filled		
3 APP-3341	3	32		To Be Filled		To Be Filled	To Be Filled		
4 APP-3311	2	30	To Be Filled	To Be Filled					
5 APP-3336	2	7				To Be Filled	To Be Filled		
6 APP-3338	2	12				To Be Filled	To Be Filled		
7 APP-3222	2	6	To Be Filled	To Be Filled					
8 APP-3342	2	17				To Be Filled	To Be Filled		
9 APP-3346	2	20				To Be Filled	To Be Filled		

Figure 10: Here we see the results from data quality analysis run.

* Referred to as "Automatic Execution of the AI-Enabled Data Quality Functionality" in the release notes.

Enhanced Affected Architecture Definition*

Affected Architecture is a core concept in Alfabet available for many contexts such as projects, demands, policies and risk mitigation. It is used in planning the To-Be landscape to identify the context and scope of each demand and project proposal to be able to better understand the business need and potential architectural effect of its realization. Alfabet 10.11 provides significant improvements in usability to make affected architecture maintenance simpler and more user friendly.

The Affected Architecture can now be more easily maintained in the new Affected Architecture Report. This matrix-form report provides a configurable, graphical environment in which the columns represent the architecture dimensions which are to be reflected upon. The rows are the various demands, projects, etc. included in the group of objects being considered. Affected architecture that is in a class stereotype is displayed using the stereotype nomenclature, e.g., "Business Capability" instead of "Domain". Objects can easily be added to the Affected Architecture report using selectors, moved in the report with simple drag-and-drop functionality, and removed by detaching.

The new Affected Architecture report offers a "Generic Affected Architecture" feature that allows solution designers to similarly maintain the affected architecture view for various multi-class relationships to cover use cases presently unknown.

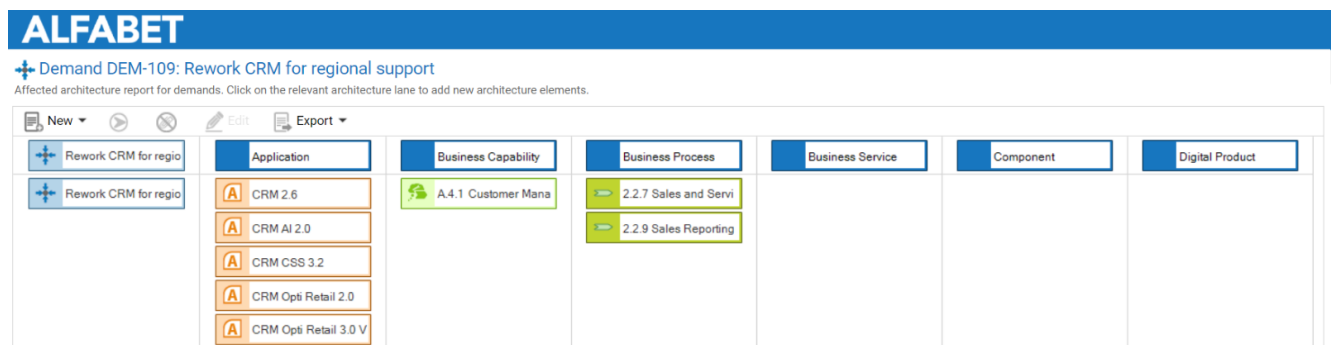


Figure 11: Alfabet 10.11 provides a matrix-form report for easier maintenance of Affected Architecture information.

Affected Architecture for Deduced Demands				
	Application	Business Capability	Business Process	Digital Product
Establish new customer advisory service				
Create Customer Advisory Web Application	<ul style="list-style-type: none"> EasiTrade Web 2.1 Trade*Net 6.0.3 TradeThru 1.4 TradeWeb 3.4 	A.4.1 Customer Management		ICT TradeWeb
Implement Customer Advisory Core		<ul style="list-style-type: none"> A.4.1 Customer Management A.4.4 Trading 	3.5 Customer Specific Services	ICT Trade*Net
Introduce Customer Advisory Mobile App		A.4.1 Customer Management		ICT EasiTrade Web

Figure 12: The new "Generic Affected Architecture" feature allows solution designers to easily maintain the Affected Architecture view for various multi-class relationships.

* Referred to as "Enhanced Usability for Affected Architecture Definition" in the release notes.

Authentication against Azure Active Directory

Growing use of Microsoft Azure for cloud solutions is increasing the use of Azure Active Directory (AAD) for protection of identity and access information across corporate environments. Alfabet 10.11 provides authentication against AAD giving organizations the advantage of using AAD to authenticate REST API calls. This obsoletes the need for a technical user in the REST API interaction and can provide identity of users making data edits across multiple systems. Further, using AAD as a specific implementation of SCIM, i.e., managing identity across domains, allows user information to be updated in real-time from the system of record (AAD) to any subscribing satellite system (such as Alfabet).

Successor Contracts*

The current shift from perpetual to subscription-based licensing in many IT organizations necessitates a nimbler way of managing the interplay between investments, architecture, and contracts. In tying contract information to architecture objects, IT planners can make informed decisions on architectural change as per contractual relations with IT suppliers or service providers. They can as well create Service Level Agreements that are aligned with the architectural structure and thus also aligned with IT support for the business. IT finance and purchasing staff can associate contractual terms and conditions with related architecture elements to understand change implications to minimize planning risk and avoid unnecessary costs.

Alfabet 10.11 extends its contract management capability to allow successor contracts to be created to support the renewal of contracts. A contract can 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. This drives completeness and consistency of contract data. A new Successor Contracts Report page view is available that shows a contract's successor contracts.

ALFABET

Help Desk Contract CNTR-14: Trade*Net Help Desk (new) 2

Object Profile [Cockpit](#)

Base Attributes				
ID	Name	Contract Number	Status	Contract Type
CNTR-14	Trade*Net Help Desk (new)	2	Executed	Help Desk Contract
Responsible User	Start Date	End Date		
John Customer	01/01/2021	30/12/2026		

Additional Information					
Cost	Monthly Cost	Currency	Buyer	Vendor	Master Contract
undefined	23,000.00	\$	FD Trading	Corporate IT	undefined
Predecessor					
Trade*Net Help Desk (old)					

Description

This is the renewed contract for trade net help desk

Contract Items							
ID	Name	Status	Stereotype	Start Date	End Date	Monthly Cost	Currency
1	CNTRITM-26 Help Desk Service	Execut...	Contract	01/01/20...	30/12/20...		\$

Contract Deliverables							
Name	Status	Delivery Date	Volume	Unit	Stereotype	Architecture Eler	
1 Extended Helpdesk Support	Pendi...				ContractDelivera...	Trade*Net	

SLA Definition & Attainment				
SLA Indicator	SLA def. max. val.	Observed last month	% SLA violation	
1 % of complaints	1.50	0.97	0.00	
2 Avg. number of cases per working day	150.00	163.00	8.67	
3 Avg. solution time per case [minutes]	120.00	104.00	0.00	

Lifecycle		2022				2023				2024				2025			
1	2	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Contracts/Items/Deliverables																	
		Trade*Net Help Desk (new)															
		Extended Helpdesk Support															
		Help Desk Service															

Figure 13: Here we see a successor contract for the Trade*Net Help Desk contract.

* Referred to as "New Successor Contract Concept" in the release notes.

Create Project as Copy*

Demands that come into the IT organization are often realized as projects in Alfabet. In Alfabet, demands are thoroughly analyzed to understand their impact on the as-is architecture – and with it the impact on the company – and to design the target IT support to fulfill that demand along with corresponding migration plans. Often, an organization will create projects that are identical in terms of impacted architecture yet with subtle differences. An example would be a new application platform that needs to be deployed, then tailored for several business units in a sequential fashion. To reduce the effort needed to create almost duplicate projects - for cases where there is the same architecture context for a project - Alfabet 10.11 enables creation of a project as a copy of another project. Upon creation of the new project, the following are copied from the base project to the new project: project 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 connections, value node architecture connections, and the migrations owned by the base project.

* Referred to as "Create Project as Copy" under "Enhancements to Project Management" in the release notes.

Enhancements to Semantic Analysis*

The information powerhouse that Alfabet's repository is requires a sophisticated search functionality that can return meaningful results and not present users so much choice they can't see the forest for the trees. Alfabet has strong semantic analysis capabilities that have been enhanced in release 10.11 to:

- Search for objects according to compound terms found in substrings. These are compared to entities such as object class captions and aliases or indicator type names to then be 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 of search sub-strings is fine-tuned if the current syntax returns either too many or no search results. The maximum number of results that can be returned is configurable.
- Enable use of a comma-separated list of relevant strings to avoid irrelevant words or results found for compound terms. For instance: "which business capabilities have low market differentiation" could be translated into a keyword search "business capability, market differentiation, low" making sure that both "business capability" as well as "market differentiation" are understood as compound words and aren't decomposed to match "business" and "capability" and "market" and "differentiation" all as separate terms (which would result in a hugely inflated return set).
- Add a facet 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.
- Add a facet for filtering reports according to base class.

* See the section "Changes to the Configuration of the AlfaBot" in the release notes.

Execution Time Measurement for Views and Cockpits*

Large organizations using Alfabet process massive amounts of information into informative, meaningful, and digestible views and cockpits for their many different stakeholders. There are often many configuration aspects that need to be considered and several alternatives available to explore. Until the optimal configuration in relation to the amount of data needing to be processed and the view that needs to be rendered is found, users could experience performance bottlenecks which the solution designer may be aware of but also maybe not.

Alfabet 10.11 provides the ability to measure execution time for views and cockpits. Solution designers can find out where there are performance issues to find configuration alternatives and/or inform the user that a particular view or cockpit will take a certain amount of time to render. This new feature registers – in seconds:

- Time when data preparation is finished and the rendering has started
- 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.

Presentation Type	Presentation Name	Base Object Class	Base Object ID	Base Object	User	User Profile	Date	Query Performance (s)
1 ObjectCockpit	PRMD_ObjectView_SC_Overview	BusinessProcessModel	11-1-0	AP/Finance Reference Process Model	CUSTOMER	Full Access	21/10/2021	4
2 Report	DDM_ApplicationInternalInformationFlow		0-0-0		KOWALSKI	Full Access	20/10/2021	4
3 View	ADMIN_Reports	OrbExploreRoot	622-1-0	Active Configured Reports	KOWALSKI	Full Access	20/10/2021	35
4 View	gdsView_E330E6A9225C4733EE3C93A1CF7DF8		0-0-0		KOWALSKI	Capability Architect	20/10/2021	4
5 Report	DDM_Business_Capability_Overview	Domain	350-71-0	A.4.1 Customer Management	MUSTERMANN	Full Access	20/10/2021	17
6 ObjectCockpit	DDM_ObjectView_BusCapability_Overview	Domain	350-71-0	A.4.1 Customer Management	MUSTERMANN	Full Access	20/10/2021	30
7 View	ADMIN_Reports	OrbExploreRoot	622-1-0	Active Configured Reports	MUSTERMANN	Full Access	20/10/2021	30
8 Report	APP_Data lineage		0-0-0		CUSTOMER	Full Access	20/10/2021	5
9 View	DataQuality4Data4ObjectsView	ApplicationGroup	95-910-0	Application DQ-Cluster-02	CUSTOMER	Full Access	20/10/2021	6
10 ObjectCockpit	DDM_ObjectView_TechnologyDomain_Overview	Domain	350-258-0	Infrastructure Technologies	CUSTOMER	Full Access	18/10/2021	3
11 Report	ITMFM_InformationFlowDiagramWithAggBundling	ITMasterPlanMap	9-12-0	Trading	CUSTOMER	Full Access	18/10/2021	4
12 ObjectCockpit	ITMFM_ObjectView_IPM_Info	ITMasterPlanMap	9-12-0	Trading	CUSTOMER	Full Access	18/10/2021	4
13 ObjectCockpit	APP_ObjectView_IPM_DataQuality	Application	75-3335-0	SAP FICD R/3 6.0C	CUSTOMER	Full Access	18/10/2021	3
14 ObjectCockpit	APP_ObjectView_IPM_DataQuality	Application	75-3320-0	BLOOMBERG 6.5.2	CUSTOMER	Full Access	18/10/2021	3
15 ObjectCockpit	APP_ObjectView_IPM_DataQuality	Application	75-3279-0	AF Workportal 1.0	CUSTOMER	Full Access	18/10/2021	4
16 Report	SQL_Application_Change_History	Application	75-3329-0	ACCOUNT 1.2	CUSTOMER	Full Access	18/10/2021	3
17 ObjectCockpit	APP_ObjectView_IPM_DataQuality	Application	75-3329-0	ACCOUNT 1.2	CUSTOMER	Full Access	18/10/2021	3
18 ObjectCockpit	APP_ObjectView_IPS_Architecture_Overview	Application	75-3329-0	ACCOUNT 1.2	CUSTOMER	Full Access	18/10/2021	4
19 ObjectCockpit	IF_ObjectView_Overview	InformationFlow	142-1757-0	FX & MM 3.4 => TradeNet 6.0.3 (Pricing Function 1) 1	CUSTOMER	Full Access	18/10/2021	3
20 ObjectCockpit	APP_ObjectView_IPS_Info_Architecture	Application	75-3243-0	TradeNet 6.0.3	CUSTOMER	Full Access	18/10/2021	4
21 ObjectCockpit	IF_ObjectView_Overview	InformationFlow	142-1758-0	TradeNet 6.0.3 => FX & MM 3.4.1	CUSTOMER	Full Access	18/10/2021	4

Figure 14: Find out where there are performance issues in views and cockpits using the new Execution Time Measurement feature in Alfabet 10.11.

* Referred to under “Additional Changes to System Administration” in the release notes.

Floating Group Boxes and Filters in Cockpits*

To manage space and content more efficiently, users can create collapsible, floating group boxes that wrap multiple widgets into a collapsible container. Related KPI widgets can be grouped into containers to make their similarity or relationship more obvious to the user.

Further, filter controls can be embedded into cockpits to drive behavior in embedded reports and to readily conduct what-if or impact analyses for better decision-making.

* Referred to as “New Floating Group Box for Reports in Object Cockpits” in the release notes.

Relational Representation of the Presentation Model*

Alfabet's high configurability is one of its distinguishing characteristics and market differentiators. It enables companies to tailor the solution to fit their organizational structures, processes, internal policies, regulatory restrictions, and any of their use cases for EA portfolio management. Thus, just as important as understanding the Alfabet meta model is understanding the individual solution configuration. Much like the ALFA_MM_*_INFO tables provide a comprehensive representation of the meta model, Alfabet 10.9 provided the means to inspect and assess your solution configuration. Using this functionality, you can see, for example, which object cockpits have been configured and which standard Alfabet views and reports are embedded in them. Solution designers can raise the quality of the configuration by assessing consistency and completeness of the configuration using this relational representation:

- Identify lineage and dependency across the configuration
- Surface inconsistencies and dead ends in the configuration
- Understand where a configured report might be reused in several different object views
- Analyze user behavior as a reflection of the configuration

The object classes added in 10.9 to store information about the current presentation model configuration represented object views, object cockpits, configured reports, page views, workspaces, conditions, wizards, and editors. Solution administrators can use these classes to configure reports about the current configuration of the presentation model.

In release 10.11, additional object classes have been added to the Alfabet class model to store information about the current presentation model configuration. These are: Class Settings, Object Selectors, View Schemes, Presentation Objects, Graphic Views, Interface Controls, Editor details and information about the configuration of object views, graphic views, editors, and wizards.

* Referred to as "Enhancements and Changes to the Class Model" in the release notes.

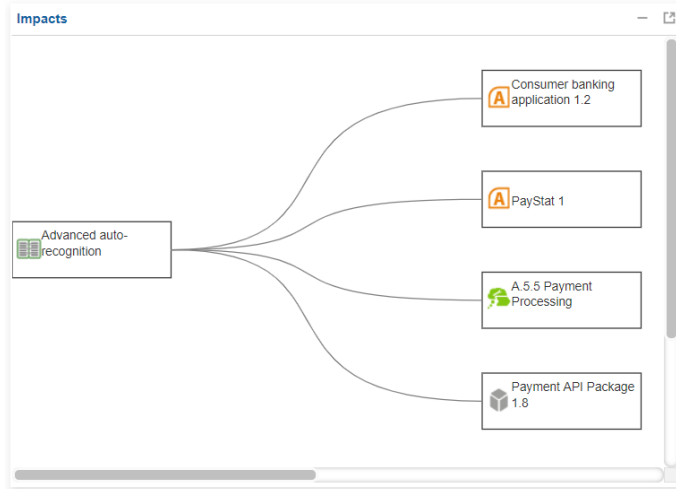
Miscellaneous Enhancements

- **Timed Broadcast Messages:** Broadcast messages can be scheduled for a specified period that is defined by start and end dates.

The screenshot displays the Alfabet user interface for managing broadcast messages. At the top, the header shows 'ALFABET' and navigation options like 'BOOKMARK' and 'JOIN CUSTOMER'. Below the header, the 'Broadcast Messages' section includes a table with columns for Message, Active, Creation Date, Is HTML, Start Date, End Date, and Is Timed Message. The table contains four rows of messages, with the last row highlighted in blue, indicating it is a timed message. A modal dialog titled 'Broadcast Message' is open, showing the details of the selected message. The dialog includes a text area for the message content, a checkbox for 'Is HTML', and date pickers for 'Start Date' (15/10/2021) and 'End Date' (15/11/2021). The dialog also has 'OK' and 'Cancel' buttons.

Message	Active	Creation Date	Is HTML	Start Date	End Date	Is Timed Message
1 This message goes to a select set of users: Boss, Client, Corleone, and Jefe	<input checked="" type="checkbox"/>	11/04/2021				
2 This message goes to a select set of user profiles: Data Entry, GDPR and Infrastructure Architect	<input checked="" type="checkbox"/>	11/04/2021				
3 This message goes to a select user group: Chief Architect with members Alfabet and Picard	<input checked="" type="checkbox"/>	11/04/2021				
4 This message is for the Chief Architect group and will be active between Oct 15th and Nov 15th only	<input checked="" type="checkbox"/>	01/11/2021		15/10/2021	15/11/2021	<input checked="" type="checkbox"/>

- Branching Diagrams with Rectangular Nodes:** 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 maximum width and height. Further, line style and weight for object node borders and links can be configured. Supported line styles include solid, dotted, and dashed.



- Portfolio Labels:** Configured portfolio reports can be specified to display labels for objects in the portfolio. The label text for each object is returned via the query. The size, background, border, and text color of the labels as well as the color of the connecting line between object and label may be defined.



- Dynamic cell content assignment:** A new feature allows the coloring of background and text color of cells in a dataset to be defined in the query of a tabular report. In addition, a legend text for the coloring can be returned in the query.
- Object Pictures:** Pictures can now be embedded in object cockpits.
- ADIF CSV Importer:** ADIF import entries for import from CSV files can now be created based on an example CSV file.
- Create ID using Stereotype Prefix:** New objects created for object class stereotypes with the Data Capture Templates are created with the correct stereotype prefix in the object ID.