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SAP Analytics Cloud: updates





Product Roadmap

SAP Analytics Cloud and Digital Boardroom

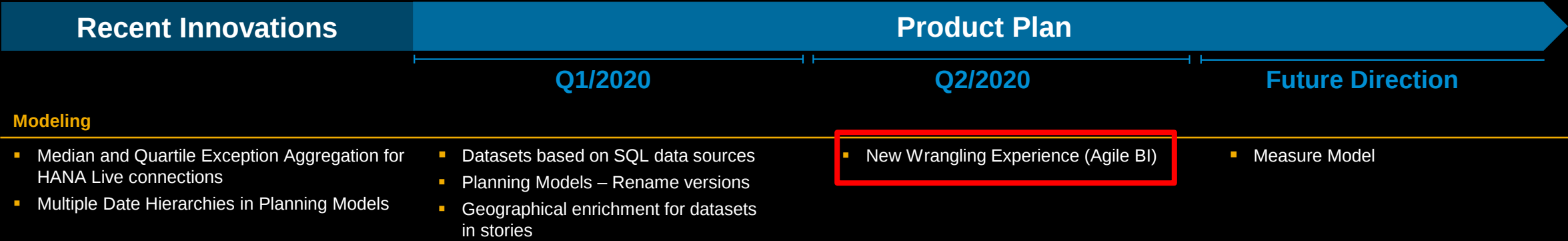
Product Plan summary

Key themes and capabilities

Recent Innovations	Product Plan		
	Q1/2020	Q2/2020	Future Direction
Live Connectivity			Live & Data Import Connectivity
Integration with SAP BW - Calculation Editor enhancements (Grand Total, % Grand Total) - Pre-shipment: Enhanced variance chart (time-based) - Pre-shipment: Aggregation calculation - Enhanced Data Analyzer	Integration with SAP BW - Enhanced variance chart (time-based) - Calculation Editor enhancements (Aggregation calculation) - Enhanced Data Analyzer - Enable merge of query requests within analytic application	Integration with SAP BW - Custom ordering of dimension members - Custom grouping of dimension members - Support of custom hierarchy / shapes in Geo map - Linked Nodes support in hierarchies - Prompting enhancements (Copy & Paste, Display of attributes) - Improved handling of query changes	- Continue feature enhancements for live and data import connections - Expand the breadth of supported data sources - One connection experience for both data import and live models - Extended data blending scenarios for live connectivity - Live connectivity to SQL data sources
Integration with SAP Universe - Ranking - Threshold on Measures - Calculation Editor: Aggregation Calculation - Support for Universe Details	Integration with SAP Universe - Enable Search to Insight - Drill-down based on non-hierarchical data: Universe (UNX/ UNV) navigation path	Integration with SAP Universe - Enhanced analytic capabilities (e.g. Measure-based filters, Smart Discovery) - Integration of SAP Universe concepts in SAP Analytics Cloud Query Builder (e.g. Delegated Measures) - Web Intelligence as a Source	
Data Import Connectivity			
Connect to NetSuite, Microsoft Dynamics CRM, Amazon S3, Egnyte, Microsoft OneDrive, Dropbox via SAP SCP Open Connector	- Connect to SAP HANA views, including prompts - Connect to Qualtrics - Increased data ingestion thresholds on rows for files	- Import larger volumes of transactional data from BPC - Maintain BW member order in Global Dimensions	

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Data Visualization	Q1/2020	Q2/2020	Future Direction
Chart & Story Formatting - Recommended Comparisons - Multi-Dimensional sort for charts - Improved chart legibility - Restoring deleted Widget - Enhanced table formatting including new default look Filters & Bookmarks - Linked Analysis for drill levels - Unrestricted drilling with time range widget filters	Chart & Story Formatting - Improved discoverability via Right-click context menu - Page background images and gradients - Custom Web Fonts - Threshold legends in charts - Story level font resize in device preview for non- mobile devices Filters & Bookmarks - Dynamic time restricted measures based on custom current dates Live Connectivity - Exception Aggregations for BW - Time Based Variances for BW	Chart & Story Formatting - Limit Constant Selection to a subset of dimensions - Show measure values for Geo Map - Favouriting a story while viewing - Story level font resize in device preview for mobile Filters & Bookmarks - Dynamic time widget filters on custom current dates - Choose between ID and Description to display for story and page filters Exporting - Export story to PowerPoint Live Connectivity - Custom Grouping of dimension values for BW - Remove 4,000 member limit for BW	Chart & Story Formatting - String manipulation for calculated dimensions - Median, Quartile and Running Total calculations - Rank and Sort improvements - Rank with Others - Undo / Redo - Improved chart building experience - Specified column and row height for tables - Hyperlink improvements - Explorer enhancements - Custom Widget Filters & Bookmarks - Filtering Workflow improvements - Bookmark enhancements Live Connectivity - Time based calculations for BW

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Intelligent Enterprise	Q1/2020	Q2/2020	Future Direction
- Multiple packages of LoB and Industry Business Content from SAP and partners - Embedded SAP Analytics Cloud - SAP Sales Commissions (GA) - SAP S/4HANA Cloud (GA) - SAP SuccessFactors (GA)	- LoB and Industry Business Content from SAP and partners - Data acquisition connector for Qualtrics - Embedded SAP Analytics Cloud - SAP Ariba Network (Beta) - SAP Ariba Spend Analysis (Beta) - SAP Fieldglass solutions (Beta continues) - SAP S/4HANA Cloud: additional Content, further improvements - SAP SuccessFactors: People Analytics advanced edition (closed beta)	- LoB and Industry Business Content from SAP and partners - Embedded SAP Analytics Cloud - SAP Ariba Network (Beta continues) - SAP Ariba Spend Analysis (Beta continues) - SAP Cloud for Customer (Beta) - SAP Fieldglass (Beta continues) - SAP Marketing Cloud (automated provisioning) - SAP SuccessFactors: People Analytics embedded edition (2005) - SAP SuccessFactors: People Analytics advanced edition (Beta) - SAP TQ (GA)	- LoB and Industry Business Content from SAP and partners - Embedded SAP Analytics Cloud - SAP Ariba (GA) for Ariba Network and Spend Analysis app. / Wider support for other Ariba applications - SAP Cloud for Customer (GA) - SAP Concur - SAP CPQ - SAP Fieldglass (GA) - SAP SuccessFactors: People Analytics advanced edition (GA) - SAP SuccessFactors: People Analytics planning edition (Beta)

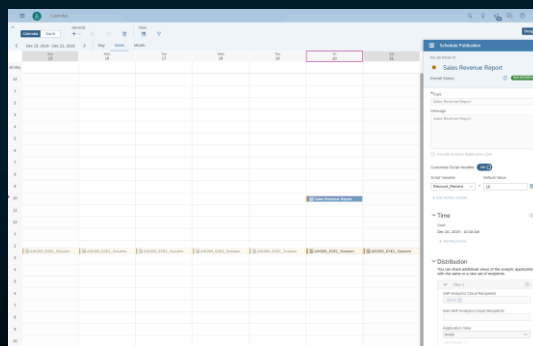
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Recent Innovations	Product Plan		
	Q1/2020	Q2/2020	Future Direction
Mobile - Enhance performance while opening SAP Analytics Cloud Story - Single Sign-on to BW / HANA Live (Beta) - App size Reduction	- Single value BW Prompt support - Search to Insights for Acquired Data - Specific HANA Input parameters support	- Android App support for story viewing on tablet & phone - Analytics Designer support - Single Sign-on to BW / HANA Live	- KPI viewer support - Unified Prompt support - Voice enabled Search to Insights - Support Canvas layout based story - Live Universe Connectivity support
Platform Services - Data point comments on private version. - Comments support in Analytical application design - Translation of model meta data (Dimensions) - Export / Import of Translated stories	- Data point comment on analytical models on acquired connection Controlled Release - Schedule SAP Analytics Cloud Stories in a defined frequency - Schedule personalized filtered stories to different recipients using bookmarks - Schedule Analytics designer content	- Tenant level Rights management for Comments - Datapoint comments for Live Connection Models including BPC/ BW / HANA / S4 - Commenting Widget - Schedule SAP Analytics Cloud stories for Live and Acquired Data sources - Support personalization for batch users using bookmarks - Support for prompts at schedule definition - Schedule Cockpit – Admin view	- Rights management at Story/Analytics application level - Data point comment on calculated measures - Support comments for advanced filters/properties - Context aware widget comments - Prompt/Variables selection at schedule definition - Multi pass per user broadcasting - Schedule based on events - Rule / alert-based delivery with status - Additional output formats for schedule - Translation of Analytics Hub - Translations in SAP Digital Boardroom

Scheduling and Publication (Controlled Release)

- Analytic applications can be scheduled and distributed as the PDF file.
- PDF file can be generated either automatically or based on a certain event defined in analytic applications.
- End user will receive an email with PDF file as attachment and the link to analytic application.
- Scheduling jobs can be configured with the following options
 - Start, Recurrence, Topic, Message
 - Global Variable
 - Bookmark
 - Recipients
 - PDF Settings
- Status of the scheduling job is available in calendar.



Schedule Publication

Share Analytic Application by E-mail
With access to SAP Analytics Cloud, you can share an analytic application with users or teams as well as external users.

*Name
Sales Revenue Report

Start
Dec 20, 2019 - 10:12 AM

+ Add Recurrence

*Topic
Sales Revenue Report

Message
Sales Revenue Report

☒ Include Analytic Application Link

Customize Script Variable **ON**

Script Variable
Discount_Percent

Default Value
10

PDF Settings

General Settings

Paper Size
A4

Appendix Settings

Enable Appendix **YES**

Comments Settings

Enable Comment **YES**

OK Cancel

Schedule Publication

Script Variable
Discount_Percent

Default Value
10

+ Add Another Variable

Distribution

You can share additional views of the analytic application with the same or a new set of recipients.

View 1

SAP Analytics Cloud Recipients
Add Users or Teams

Non-SAP Analytics Cloud Recipients
Enter e-mail separated by comma

Application View
testjie

File Name
AIN369_EXE1_Solution.pdf

+ Add another view

PDF Settings

OK Cancel

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Administration and Infrastructure	Q1/2020	Q2/2020	Future Direction
- Choose to send an email when sharing files with users - Assign copy privileges for files and folders	- Data center support for KSA and UAE - Support for SAML IdP-initiated SSO - System owner can update IpP metadata without switching IdP	- AWS data center support for Greater China - FedRAMP certification - Support for large SAML assertions - Improved self service auditing	- Azure datacenter support - BYOK encryption support - Support multiple IdPs - Improvements in user, team, role and folder management - Improvements in Auditing
SAP Digital Boardroom			
- Insight to Action via Ruum integration - Action Bar to contain reset and refresh options for the topic - Improved discoverability of jump navigation on image, shape and text widget	- Integrated Action Bar to Improve Discoverability - Reset & Refresh Topic from the Action Bar in Digital Boardroom - Set Prompts for the entire Boardroom		- Performance Improvements - Boardroom Prompt Consumption - Search to insight integration - Bookmarking and favorite topics

2 complementary add-ins for Microsoft Office

Statement of direction



SAP Analysis for Microsoft Office continues to be a key add-in for **SAP Analytics Cloud**, specifically for customers requiring access to multiple data sources like **BW, BPC, S/4, Group Reporting** ... It is designed for financial analysts who require a advanced Analytics Excel capabilities

Major enhancements for an Excel environment connecting to **SAP Analytics Cloud** will be delivered in **SAP Analytics Cloud, add-in for Microsoft Office**

- It is available for both Microsoft Office 365 **Cloud and Desktop** versions

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Recent Innovations	Product Plan		
SAP Analysis for Microsoft Office	Q1/2020	Q2/2020	Future Direction
	- Integration into SAP Analytics Cloud-Analysis plug-in: - Improve BW live connection supporting access to multiple BW sources - Continuous improvements - Usability improvements as repeat headers - Open data sources/workbooks from a Web portal	- Integration into SAP Analytics Cloud-Analysis plug-in - Audit workbooks stored on BI platform to better support future migration - Continuous improvements - Enhance reporting features	- Support new sources such as SAP Data Warehouse Cloud - SAP Analytics Cloud repository and workbooks migration support - Continuous improvements : - Strengthen self-service
SAP Analytics Cloud, add-in for MS Office			
	Beta Phase - Planning - Write-back - Version Handling (publish/revert) - Continuous improvement of analytic workflows: - Attribute support - Totals display - Presentations selection (ID/text) - Technical Foundation - Localization / Translation	- Planning - Unbooked Data - Currency handling (default / local) - Highlighting of changed cells - Reuse SAP Analytics Cloud table context in Excel - Continuous improvement of analytic workflows: - Sorting - Sources / Platforms - SAP Data Warehouse Cloud Support	- Planning - Plan on asymmetric reports - Version history panel - Execute data actions - Commenting - Keep formula on data cell - Mass data entry mode - Universal Models support - Business Intelligence - Support of SAP Analytics Cloud calculations - Seamless integration from SAP Analytics Cloud story - Sources / Platforms - Support of further data connections - Integration into SAP Analytics Cloud repository

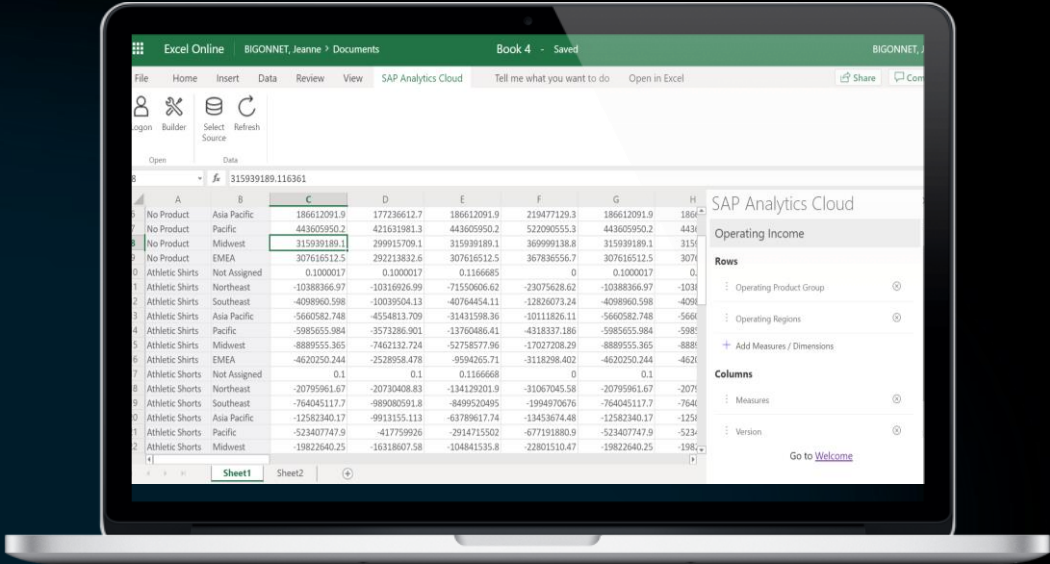
SAP Analytics Cloud, add-in for Microsoft Office Beta

Slice and Dice SAP Analytics Cloud models in any Microsoft Office 365 version

Organize your data with Microsoft Office
Seamless integration into SAP Analytics Cloud reporting and applications

Achieve the freedom of multi-device support
Support all Excel platforms: desktop Windows / Mac, browser, mobile app.
No installation or operational costs for customers

Connect to any SAP Analytics Cloud data source
Fully connected with all SAP Analytics Cloud sources



This is the current state of planning and may be changed by SAP at any time.



Product Roadmap and short demo

SAC Smart Predict

Augmented BI Strategy – Key Future Enhancement themes



Simplicity & Productivity

Provide advanced self-service capabilities for intuitive end-user workflows, improved core workflows and increased feature discoverability



Enhanced support for live sources

Provide the very best live analysis capabilities and greater functional parity for HANA, BW, S4 and Universes



Target the Business Analyst

Provide the most sought-after features including enabling more Explorer use-cases and additional business scenarios



Enterprise Reporting

Provide Enterprise Reporting with streamlined reporting capabilities in the cloud with enhanced styling, formatting and export capabilities



Performance

Provide improved performance and faster load time through client refactoring and filter improvements

Product Plan summary

Key themes and capabilities

Recent Innovations	Product Plan		
Smart Predict	Q1/2020	Q2/2020	Future Direction
▪ Live SAP HANA Data Connection beta (tables & SQL views)	▪ Choose more than one dimension to generate segmented Time-Series ▪ Signal influencers for Time Series predictive models that produce forecasts	▪ Planners can leverage Smart Predict to produce segmented predicted forecasts and write them back in their Planning grid (bottom-up forecasting) – (beta) ▪ Predictive Scenario are managed as others SAP Analytics Cloud artefacts.	▪ Business analysts can run Smart Predict on SAP Analytics Cloud Analytical Models and define the analytical entity he is interested in (smart flattening) (BW on&/4 HANA support) ▪ Business analyst can analyze in depth predictions accuracy & insights directly in a BI Story ▪ When Business Analysts update predictions, BI Stories that leverage them are automatically refreshed ▪ Business Analyst directly leverages in a BI Story predictive output datasets generated through the Live mode of Smart Predict ▪ Smooth transition from Smart Discovery to Smart Predict ▪ Bottom-up forecasting (general release) ▪ Planners can choose the level of the temporal aggregation & of the parent-child hierarchy ▪ Business analysts can apply filters on ready-to-use dataset ▪ Prepare data for predictive purpose & generate features ▪ Schedule automated update of predictions & refresh stories automatically ▪ Improved predictions accuracy and predictive models stability over time ▪ Explainable AI ▪ Download output predictive datasets (.csv)



Product Roadmap and short demo

SAC Analytics Designer

Product Plan summary

Key themes and capabilities

Recent Innovations	Product Plan		
Analytics Designer	Q1/2020	Q2/2020	Future Direction
▪ Tabstrip Widget ▪ Dynamic layout : Dynamic adjustment of screen real-estate without re-arranging all elements ▪ Widgets Position Alignment ▪ Data Analyzer enhancements: e.g. zero suppression, swap axes, query information etc. ▪ Custom Widget SDK ▪ Bookmark Support ▪ Commenting feature as in story ▪ Export to PDF as in story with API (including printing comments) ▪ Initialization of Data Sources at application runtime/Lazy Loading of Data Sources(Beta) ▪ Scripting API Enhancements: Prompt, Layout, Commenting, Result set, Timer, Planning etc ▪ Integration with Smart Features: Smart Insights for Table Cell	▪ Native mobile browser support for Microsoft Edge on windows surface tablet (Controlled Release) ▪ New widget: Text Area widget ▪ Swipe gesture for tab strip widget on mobile devices ▪ Redesign of quick menu for all widgets ▪ Auto/manual show and hide busy indicator ▪ Further enhancements for Data Analyzer ▪ Custom widgets further enhancement: Full support for importing and exporting custom widgets ▪ Further theming enhancements ▪ Scheduling and publication (Controlled Release) ▪ Enable merging of query requests to accelerate loading performance ▪ Scripting API Enhancements: SetVariableValue API, data locking API, data source refresh API, search to insight scripting API ▪ Notification for multiple users saving application at the same time	▪ Support of running applications in safari browser on iPad within embedded use cases ▪ support analytic applications/Analytics Designer within SAP Data Warehouse Cloud ▪ Calendar task integrations with scripting access ▪ Tab strip enhancements ▪ Data Analyzer further enhancements ▪ Custom widgets further enhancements ▪ OData Enhancements ▪ Pattern based scripting functions ▪ Scripting API Enhancements ▪ Copy widgets from story to app and across browser tabs ▪ Widget palette Improvements ▪ Restoring deleted widgets at design time ▪ Show error count on Toolbar	▪ Mobile App support for iOS and Android devices ▪ Responsive layout and container ▪ New widgets: Page Book, List box, Navigation Panel etc ▪ Blending support as in story, SAP Digital Boardroom Integration ▪ Data Analyzer: Completely customizable in Analytics Designer ▪ Custom widgets further enhancements(data access, bookmarking etc.) ▪ Data change insights alerting ▪ Composites as re-usable widget, Templates ▪ Advanced Printing ▪ Shared data sources ▪ Export to SAP Analytics Cloud, add-in for Microsoft Office ▪ Share comments with other BI tools ▪ Smart Predict Integration ▪ Further scripting API enhancements: Hierarchy, DataSource, Chart, Layout etc. ▪ Pause/Refresh at design time

Thank you.