



Product Plan

SAP Analytics Cloud and Digital Boardroom

Revision: 2019.03.01

Customer

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Introduction to the SAP Analytics Cloud Product Plan

Purpose

The SAP Analytics Cloud product plan is designed to support the product adoption planning activities of SAP customers. The product plan includes all the known facts and features that the SAP Analytics Cloud team have planned to pursue in the current and upcoming quarters. Customers may use this plan match short-term and long-term goals with their technology strategy. The product plan is organized with the following headers:

- **Product Description** = Features and functions in an SAP product or technology
- **Recent Innovations** = Features within the current date and the past three months
- **Product Plan** = Proposed themes in the next three quarters

 This icon means that the screenshot is an SAP Labs Preview

Complementary resources

For a more general description of the business problems and processes being solved and supported by SAP, refer to product and solution road maps.

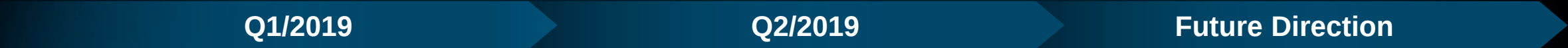
For more detailed technical information, please refer to the product availability matrix and product documentation.

Quarterly Release Schedule

Updates to the Timeline

Since launching in 2015, SAP Analytics Cloud received updates approximately every two weeks. As of version 2018.19, we're moving from a bi-weekly release schedule to a Quarterly Release schedule to align with SAP's global strategy for cloud application releases. This means you can expect a new version once every quarter.

The Product Plan timeline shown below will now reflect the current plan based on this Quarterly Release Schedule.



Q1/2019

Q2/2019

Future Direction

If you are on the Fast-Track subscription (updates every two weeks), please note that features may be available to you earlier than what is listed in the Quarterly Release Schedule timeline.

More information can be found [here](#).

One | Simple | Cloud

Business Intelligence



Data Preparation
Storytelling

Planning



Sharing
Simulation

Predictive



Forecasting
Automated Insights

Application Design



Custom Apps
SDK Extensions

Digital Boardroom

Mobile

SAP Analytics Hub

SAP Analytics Cloud



On Premise



Hybrid

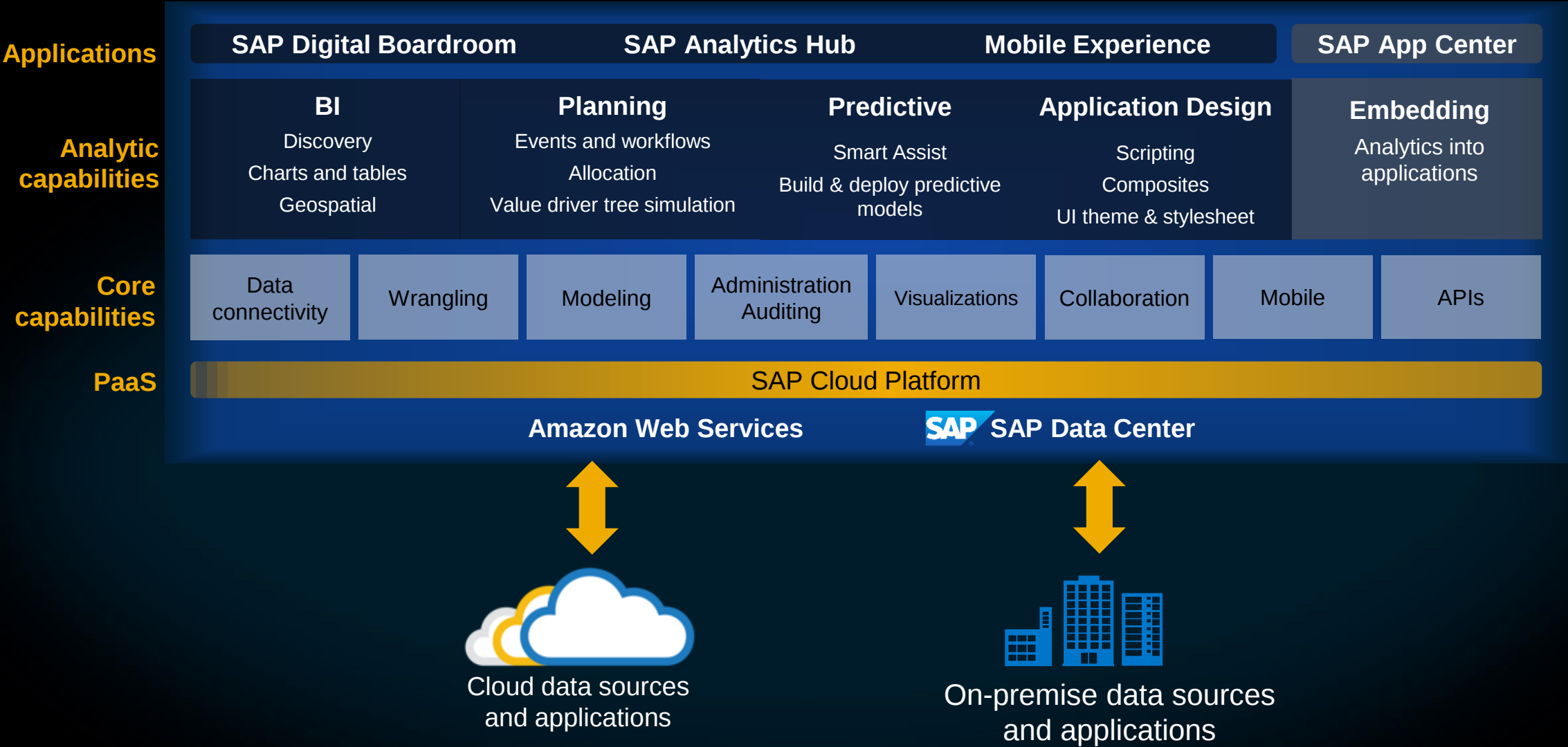


Cloud

Unified experience for Planning, BI and Predictive all in one service
Live data **connectivity** enables SaaS for everyone
End-to-end analytics for the **Intelligent Enterprise**

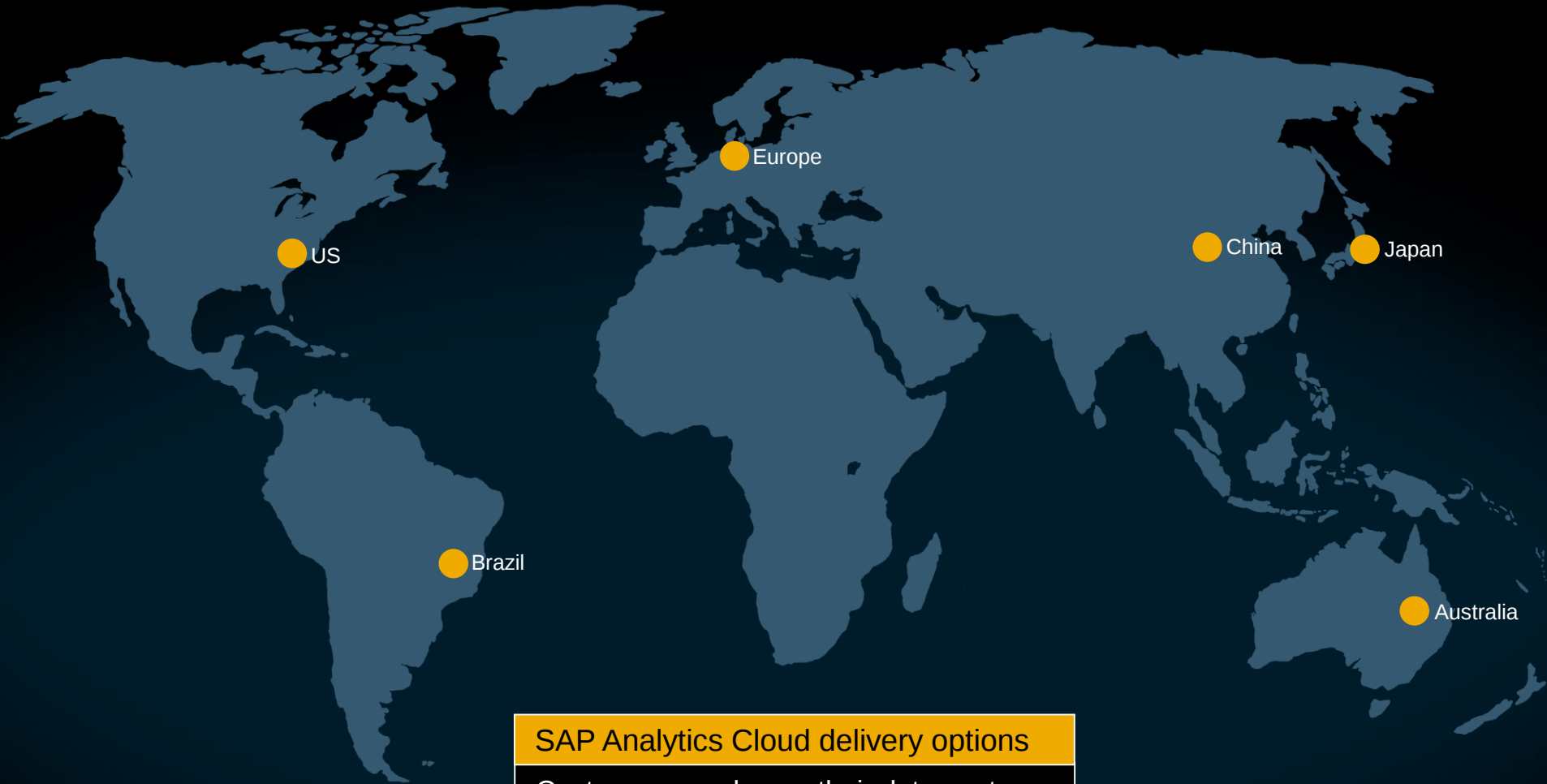
This is the current state of planning and may be changed by SAP at any time.

SAP Analytics Cloud architecture



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

Data center locations



SAP Analytics Cloud delivery options

Customer can choose their data center – otherwise the closest center will be used

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

Data integration

Data integration

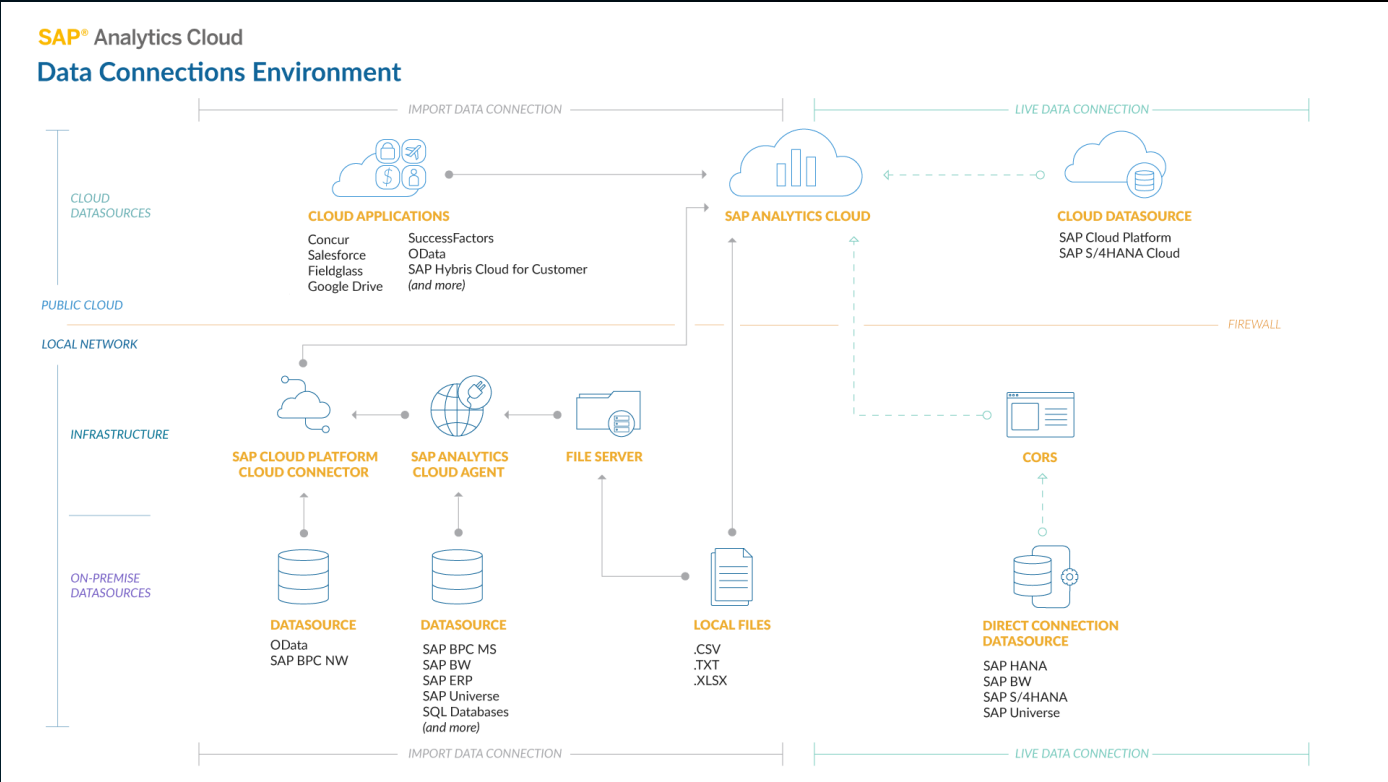
Connect to data anywhere stored in on-premise databases, cloud databases, and personal files. Enrich data and business metadata in preparation for self-service data analysis through purpose-built data modeling capabilities and calculations.

Live connections

- Data replication is not required
- Leverage business metadata directly without additional modeling
- Leverage existing security and data authorizations

Data import connections

- Business users can model data with Smart Data Preparation
- Easily create, track and reverse data transformations
- Refresh data on demand or via schedule



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Data sources

Live

Cloud data sources

SAP Cloud Platform¹

SAP S/4HANA Cloud

SAP Marketing Cloud

SAP Ariba

SAP SuccessFactors

SAP data sources

SAP HANA

SAP BW

SAP BW4/HANA

SAP S/4HANA

SAP BPC Embedded

SAP BusinessObjects Universe

Access via SDI for SAP Cloud Platform & SAP HANA²

Apache Hive

AWS

SAP Vora

SAP Sybase ASE, IQ, ESP

OData

Microsoft SQL Server

Spark SQL

Oracle

Teradata

MaxDB

IBM DB2

MySQL

Netezza

Facebook

Google+

Twitter

Partner delivered

APOS

DB2

Denodo

Microsoft Analysis Services

Microsoft Azure

Microsoft SQL Server

MongoDB

MongoDB Atlas

MySQL

Netezza

Oracle

Oracle Essbase

Oracle Exadata

SAP IQ

SAP SQL Anywhere

Redshift

Teradata

Google BigQuery

Cloudera

Hortonworks

Amazon S3

■ Delivered ■ Planned within the next 6 months ■ Partners

- 1. Requires SAP Cloud Platform DBaaS license
- 2. SAP Cloud Platform connects to data using Smart Data Integration and Smart Data Access Adapters
- 3. This does not require the BI platform

Import

Cloud data sources

SAP Hybris Cloud for Customer

SAP Cloud Platform¹

SAP Business ByDesign

SAP S/4HANA Cloud

SAP Marketing Cloud

SAP SuccessFactors

SAP Fieldglass

SAP Workforce Analytics

Concur

Google BigQuery

Google Drive

Google Sheets

Salesforce

OData

Dow Jones DNA

3rd party Cloud Storage

3rd party CRM

SAP data sources

SAP BPC NW & MS

SAP HANA

SAP ECC

SAP BusinessObjects Universe

SAP BW

SAP S/4HANA

SAP BW4/HANA

Other data sources

IBM

Microsoft SQL Server

MySQL

Netezza

OData

Oracle

CSV

Excel

Progress OpenEdge

Same data sources as SAP BI 4.2³

Partner delivered

APOS

CDATA

DataDirect Cloud

Web Intelligence

QuickBooks

eloqua

Microsoft SharePoint

Google Analytics

NetSuite CRM & ERP

Microsoft Dynamics CRM

Oracle Marketing Cloud

Hubspot

MongoDB

Marketo

SugarCRM

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Live connections to SAP BW

Q1/2019

Integration with SAP BW

Enhanced analytic capabilities

- SDI-based data blending: SAP BW live data with imported data models (1)
- Time-series chart with date range filtering

Integration with BW concepts

- Support variables in dynamic filter of BW query

Q2/2019

Integration with SAP BW

Enhanced analytic capabilities

- Browser-based data blending: SAP BW live data models with imported data models
- Waterfall chart, variance chart
- Geo maps (1)
- Custom ordering of measures in Table
- Complex filters: chart to chart filtering based on multiple dimensions (1)

Integration with BW concepts

- Charts: leverage default text presentation defined in BW query (short / middle / long)

Performance Improvements

Future Direction

Integration with SAP BW

Enhanced analytic capabilities

- Extended data blending scenarios (1)
- Custom grouping of dimension members
- Custom ordering of dimension members
- Prompting enhancements: Date Picker
- Calculation enhancements: Aggregation calculation (1)
- Standard pivot-style analysis of BW queries

Integration with BW concepts

- Ad-hoc currency conversion
- Prompting: save variants

Performance Improvements

Note: Most features on this slide require SAP BW 7.50 or higher and will not be supported with SAP BW 7.40. For more details on feature support see SAP Note [2715030](#).
(1) Requires SAP HANA

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Application Design

Application Design

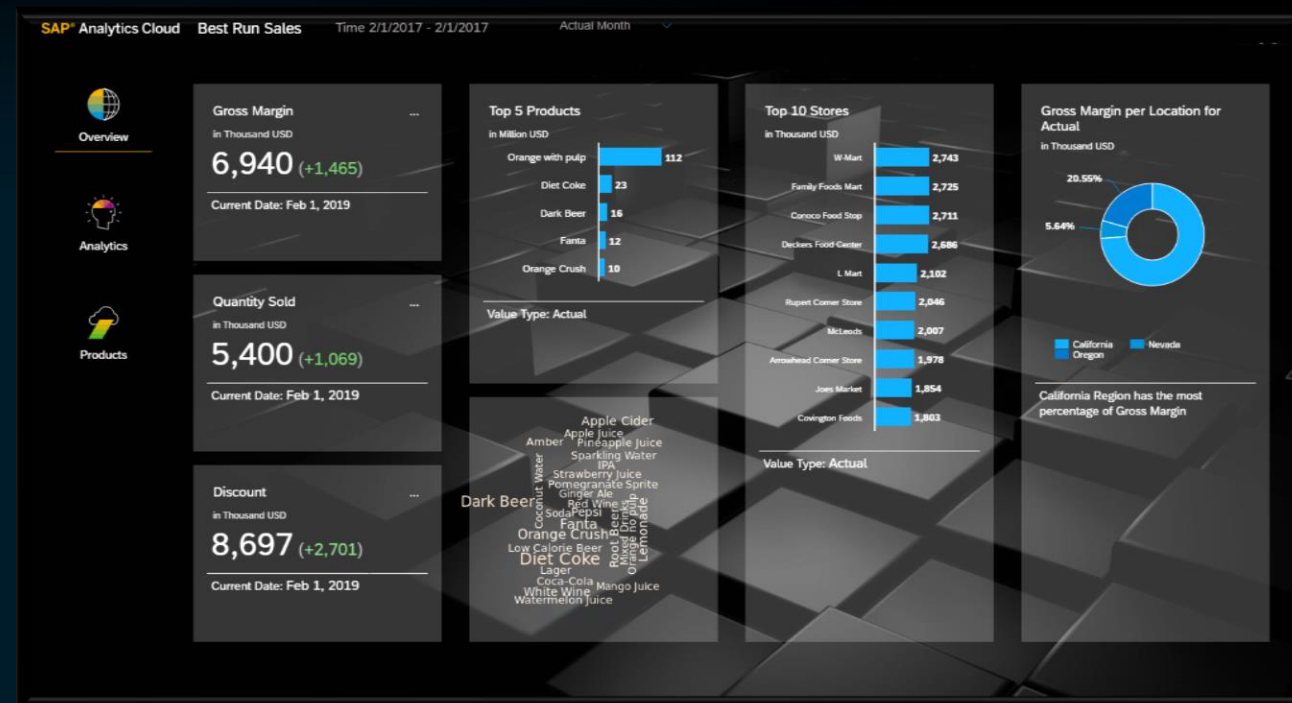
Professional design of centrally governable analytic content, ranging from dashboards via guided analytics to sophisticated planning and Smart Predict applications.

What is an application?

- Applications range from simple dashboards to complex applications
- Applications expose custom logic based on scripting
- Applications are created by a few experts to be consumed by many

What is application design?

- Rich set of capabilities for professional designers of analysis applications to meet sophisticated business requirements
- Dedicated development environment with advanced scripting capabilities
- Drive standardization of analytics content, create reusable UI elements and application logic (such as headers, footbars, toolbars)
- Extending applications via custom widgets and APIs



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Application Design

Cloud first strategy

SAP is committed to delivering innovative application design (for analytics, planning and predictive) in the Cloud. Consistent with this, our strategic direction for application design follows on and aligns with our broader Analytics strategy. Specifically:

State-of-the art Application Design for professional users spanning across BI, Planning and Predictive



SAP Analytics Cloud

Customers requiring an on premise solution



Lumira Designer

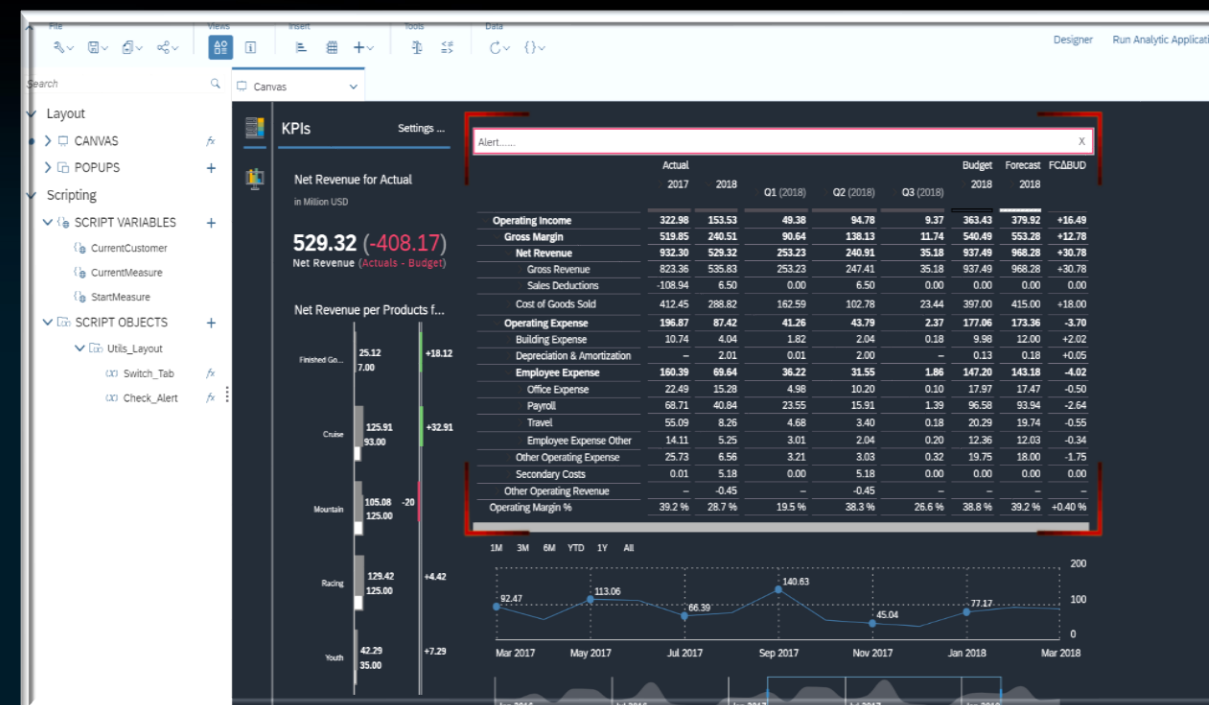
- ***SAP Analytics Cloud is SAP’s primary strategic app design solution moving forward.***
- ***The majority of new enhancements for application design will be delivered via SAP Analytics Cloud, with only selected continuous improvements in Lumira Designer***

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Application Design

Current Scope (Beta Program, GA planned for Q2/2019)

- Simple widgets: images, buttons, dropdown menus, check box groups, radio button groups, shapes, text, web pages, RSS reader, clocks
- Data-driven widgets: tables, charts, filter lines
- Container widgets: pop-up
- Interactions (e.g. filter, cascading behavior) between different widgets via scripting including global variables
- Dynamic switch between widgets (e.g. charts and tables) at application run time
- Dynamic and flexible selections on crosstab
- Global variables
- Embeddability : application sharing API with URL parameters
- Powerful scripting capabilities
- Leverage Smart Assist functionalities with scripting access (Part I)
 - Time-series forecasting
 - Smart Grouping
- Design-time features:
 - Layout outline with context menu to add and edit scripts
 - Design area
 - Properties and script editor
 - Where-used-list



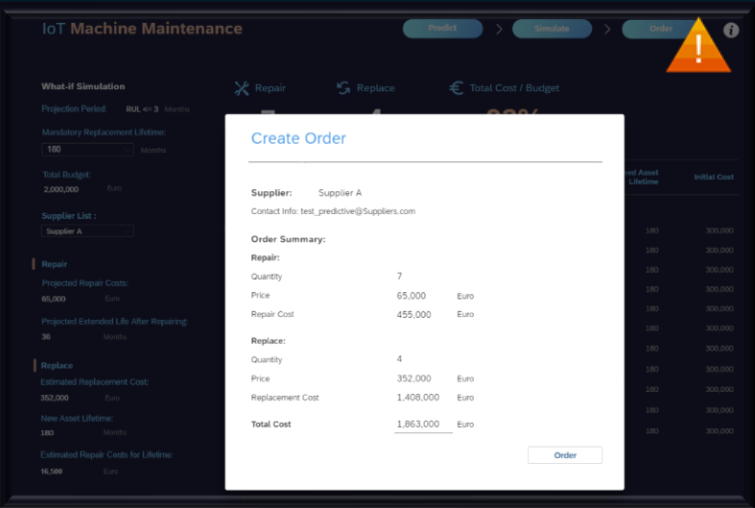
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Application Design

Capabilities for closed-loop scenarios

- **OData calls** into transactional system
- Support **planning** capabilities with scripting access
 - Expose planning features via toolbar and quick action menus
 - Customize the planning workflow programmatically by scripting
- Support **predictive capabilities** with scripting access
 - Consume and visualize predictive results

Planning



Order



Simulate

! SAP Labs Preview

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Application Design

Q1/2019

- Planning support (Part I)
 - Possibility to work with planning models in tables on a canvas page
 - Enable planning features as in Story
- Predictive (Part II):
 - Smart Insights
 - Smart Discovery
- R widgets with scripting access
- Hyperlink support for image and shape widgets
- Script Objects: Re-usable functions to modularize the code for enterprise applications
- Seamless integration with business applications:
 - Support bi-directional communications via scripting APIs
- Supporting Explorer via context menu and with additional scripting capabilities (e.g. set default dimensions)
- Extending pop-up widget to dialog widget
- Design time feature enhancements:
 - Outline UI improvements
 - Value help improvements
 - Error panel and others

Q2/2019

- Predictive with scripting access
- Planning support (Part II): Provides scripting capability to trigger version management, publish, revert and version management history
- OData Calls:
 - OData function calls in the context of an App Design script
 - Programmatic access to OData
- Create story from widget
- Translation of texts in applications
- Dynamic text enhancements
- Global variable enhancements
- Text input widget, slider and range slider widget
- Adding analytical applications to recently used list on HOME page
- Scripting value help enhancements
- Story features catchup
 - Geo map, blending support
- API enhancements:
 - E.g. getUserID, DataSource APIs, Prompt APIs, Navigate to APIs, Result Set APIs

Future Direction

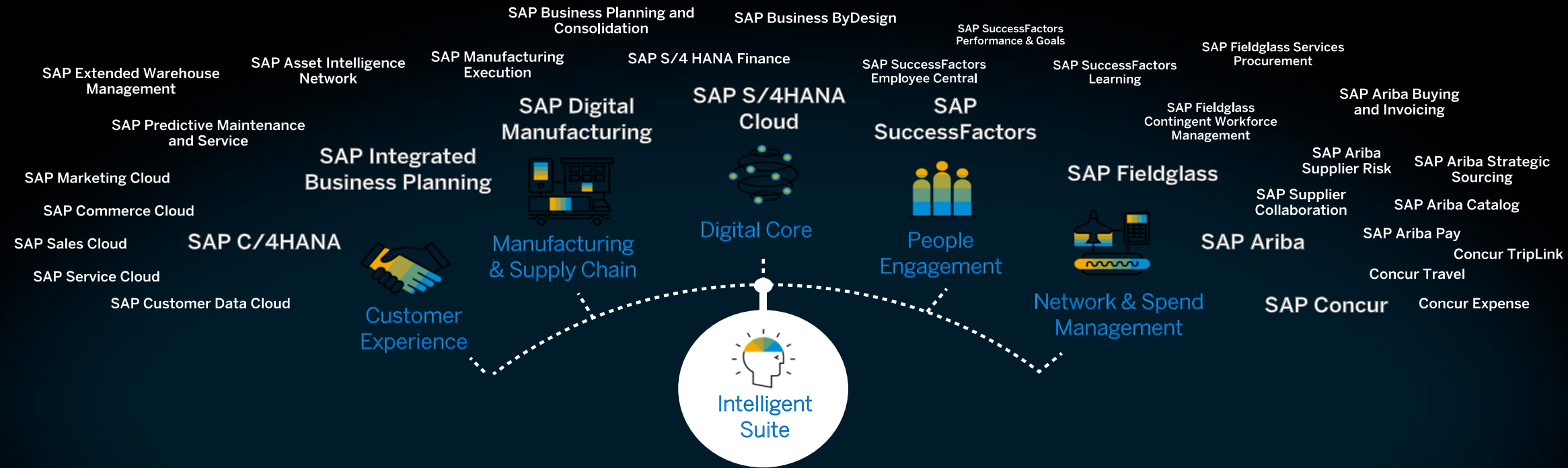
- Container widgets
 - Tab strips, panels, grid layouts, etc.
- Dynamic layout : dynamic adjustment of screen real-estate without re-arranging all elements
- Standard (pivot-style) analysis
 - Slice and dice analysis of data from BW queries
- Custom widgets
- Integrating global search with scripting access
- Application performance features
 - Lazy loading of data sources
 - Parallel execution etc.
- Enterprise features
 - Bookmark
 - Composites as re-usable widget
 - Export to PDF/CSV etc.
 - Templates
- Script refactoring capabilities
- Digital Boardroom integration
- Theming
- Shared data sources
- Mobile support

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Intelligent Enterprise

SAP's Strategy: Deliver the Intelligent Enterprise

Intelligent applications for every line of business



Integration | Business Objects | Master Data | Orchestration

25 Industries | 180+ Countries

Out-of-the-box integration

leveraging SAP Cloud Platform, the SAP Analytics Cloud solution, and a common data foundation with SAP HANA and SAP Data Hub

Best-in-class UX with **consistent experience** across the entire portfolio

Modular, making it easy to consume and cost-effective to operate.

Easy to extend, allowing customers and partners to customize solutions quickly

Intelligence embedded in the applications making the workflows smarter

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SAP Analytics Cloud for **the Intelligent Enterprise**

- No.1 analytics cloud platform for LoB and industry content and analytical applications
- Embedded **intelligence** in **every decision and process**, enabled by SAP and 3rd party applications

Embedded intelligence

Pre-built content
Integrated workflow
Live decisions



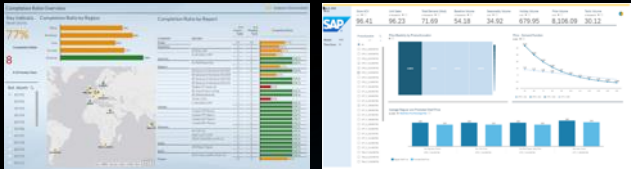
Enterprise Analytics

Industry and LoB best practices
Advanced analytics
Analytics applications
Out-of-the box integration

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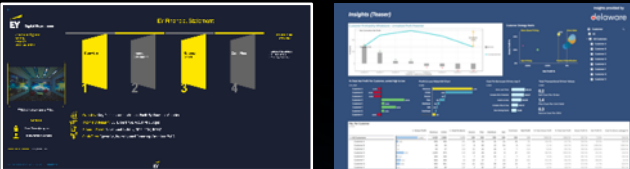
SAP Analytics Cloud content: 70+ Industry and LoB packages

Accelerate your Enterprise Analytics projects with pre-built analytics from SAP and our Partners



50+ Apps by SAP

- SAP S/4HANA
- SAP C/4HANA
- SAP SFSF
- SAP Concur
- SAP Ariba
- etc..



20+ Apps by Partners

- SAP data sources
- Non-SAP data sources

SAP[®] Analytics Cloud

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Business content delivered by SAP

Line of Business

- Advanced Compliance Reporting
- Business ByDesign (Finance and Procurement)
- Environment, Health and Safety
- Finance
- Finance Contract Accounts (FI-CA)
- Finance – Live based on Semantic Tags
- Financial Consolidation S/4HC (BPE)
- Financial Planning & Analysis S/4HC (BPE)
- FI Operational Expense Planning
- Goods and Services Tax GST Analytics
- Human Resources (SuccessFactors)
- Human Resources Salary Planning
- Marketing
- Manufacturing S/4HC (BPE)
- Procurement
- Procurement S/4HC (BPE)
- Product Cost Planning
- Project and Portfolio Management
- Project Budgeting & Planning S/4HC (BPE)
- Project Staff Planning
- Real Estate
- Sales and Distribution
- Sales Performance and Target Planning (CRM)
- Service Cloud Analytics (CRM)
- Solution Manager: Test Suite Analysis / IT Service Management Analytics
- Trade Management
- Travel & Expense (Concur)
- Vendor Management System (Fieldglass)
- Workforce Planning for S/4HC (BPE)

Industry

- Banking
- Big Data Margin Assurance (Telco)
- Chemicals
- Consumer Products
- Engineering, Construction & Operations
- Health Care
- Insurance
- Mill Products
- Mining
- Oil & Gas
- Professional Services S/4HC (BPE)
- Public Sector
- Public Services: Higher Education and Research
- Retail (BPE)
- Retail (Model Company: Core Retail and Fashion)
- Rural Sourcing Management
- Utilities

Packages that include Planning

- Finance
- Financial Planning & Analysis S/4HC (BPE)
- FI Operational Expense Planning
- Human Resources Salary Planning
- Product Cost Planning
- Project Budgeting & Planning S/4HC (BPE)
- Project Staff Planning
- Sales Performance and Target Planning (CRM)
- Travel & Expense (Budget Planning)
- Workforce Planning for S/4HC (BPE)

SAP® Analytics Cloud content

Further information can be found in the following [blog](#)

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Business content, delivered by Partners

The power of our eco system, now directly in SAP Analytics Cloud



Abaco Consultores
Logistics and supply chain



B4 Consulting
Construction



Cognizant
Equipment Effectiveness



Comerit Analytics for
SAP Lease
Administration by
NAKISA



Visual Crossing Location
Analysis for SAP Analytics
Cloud



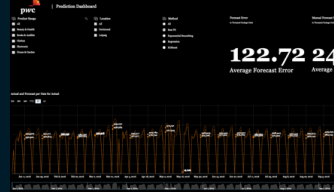
Infosys
Utilities 360 - Energy
Supply



Delaware
Costs to Serve



Infomotion
Corporate Data Collection,
simplified with
SAP Analytics Cloud *



PwC
Predictive Analytics



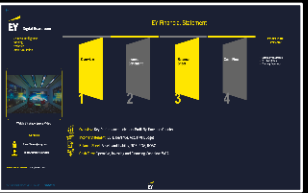
A41S Avantum
Finance & Controlling



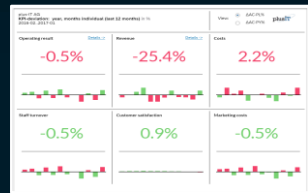
Aqoia
Digital Edge Solution
(Automotive)



Bramasol
Revenue Recognition



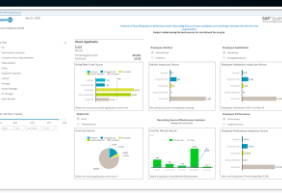
Ernst & Young
Financial Statement



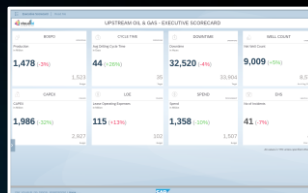
ISC PLUS-IT
easyBI on Cloud
(Finance)



Mibcon
Data Privacy and Protection



Renew HR
SHARP HR Analytics



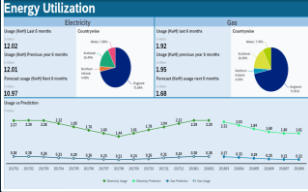
Visual BI
Upstream Oil & Gas



VASPP
Access Control



VASPP
Process Control

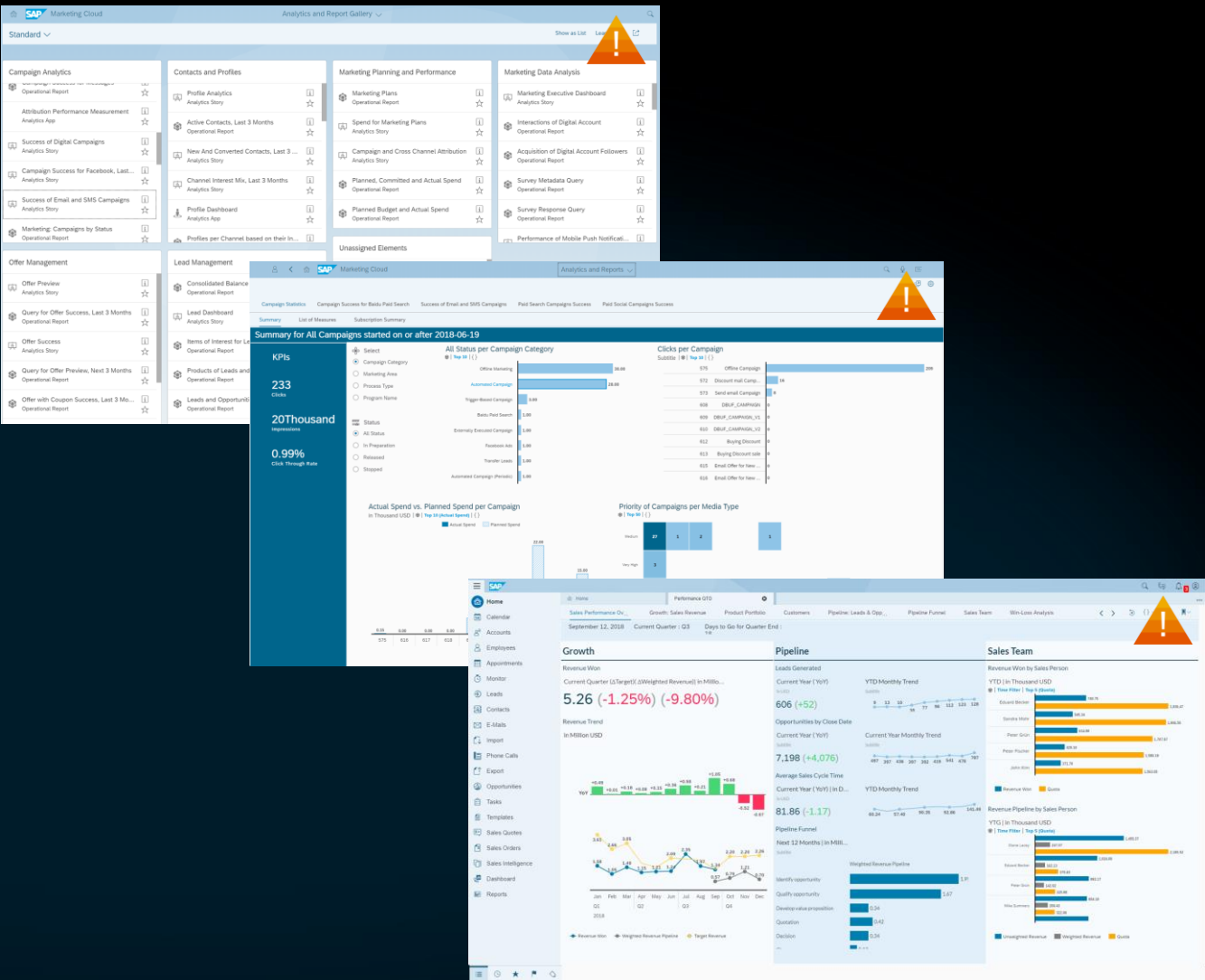


WIPRO
Energy Usage

Embedded Intelligence in SAP C/4HANA

Enabled by SAP Analytics Cloud

- Seamless user experience and immediate insights in the context of daily work, business processes and decisions
- Out-of-the-box analytical content, covering all major scenarios
- Allows all C/4HANA users to create their own reports and quickly find relevant insights



Intelligent Enterprise (Embedded Analytics Cloud)

Q1/2019

- SAP SuccessFactors (beta release)
- SAP Fieldglass (beta release)
- SAP Commissions* (beta release)

Q2/2019

- SAP SuccessFactors (beta release)
- SAP Ariba Networks (controlled release)
- SAP Marketing Cloud (version 1905)
- SAP Fieldglass (beta release)

Future Direction

- SAP SuccessFactors (GA)
- SAP Ariba
 - wider support for Ariba Networks (GA)
 - controlled release for Ariba Buyer & Sourcing
- SAP S/4HANA Cloud
- SAP C4C (beta release)
- SAP Fieldglass (GA)
- SAP Concur

* former name: CallidusCloud Commissions

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

Mobile

Mobile

Access anywhere

- Access SAP Analytics Cloud stories and Digital Boardroom presentations from your iOS mobile devices

Responsive layouts

- Spend less time adjusting story layouts
- Build once and content will automatically format for all screen dimensions

Intuitive interaction

- Swipe, tap, and filter your favorite stories and Digital Boardroom presentations with fast and intuitive user design



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Mobile

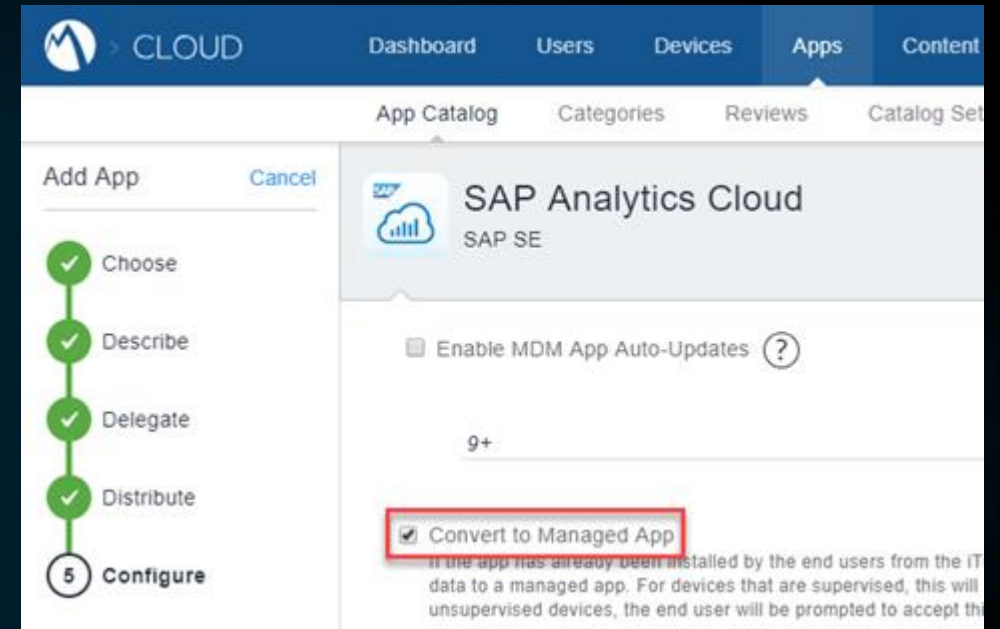
Key recent improvements to the SAP Analytics Cloud mobile app include:

Enterprise Deployment

- Support for using MobileIron Cloud and AirWatch to set iOS managed configuration capabilities
- Performance improvements – parallel queries
- Internal deployment SDK
- Default bookmarks

Improved Usability

- Boardroom presentations navigation improvements
- Favorites, so you can save time by having your most important stories available first



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

Roambi experience brought to SAP Analytics Cloud

Mobile first templates

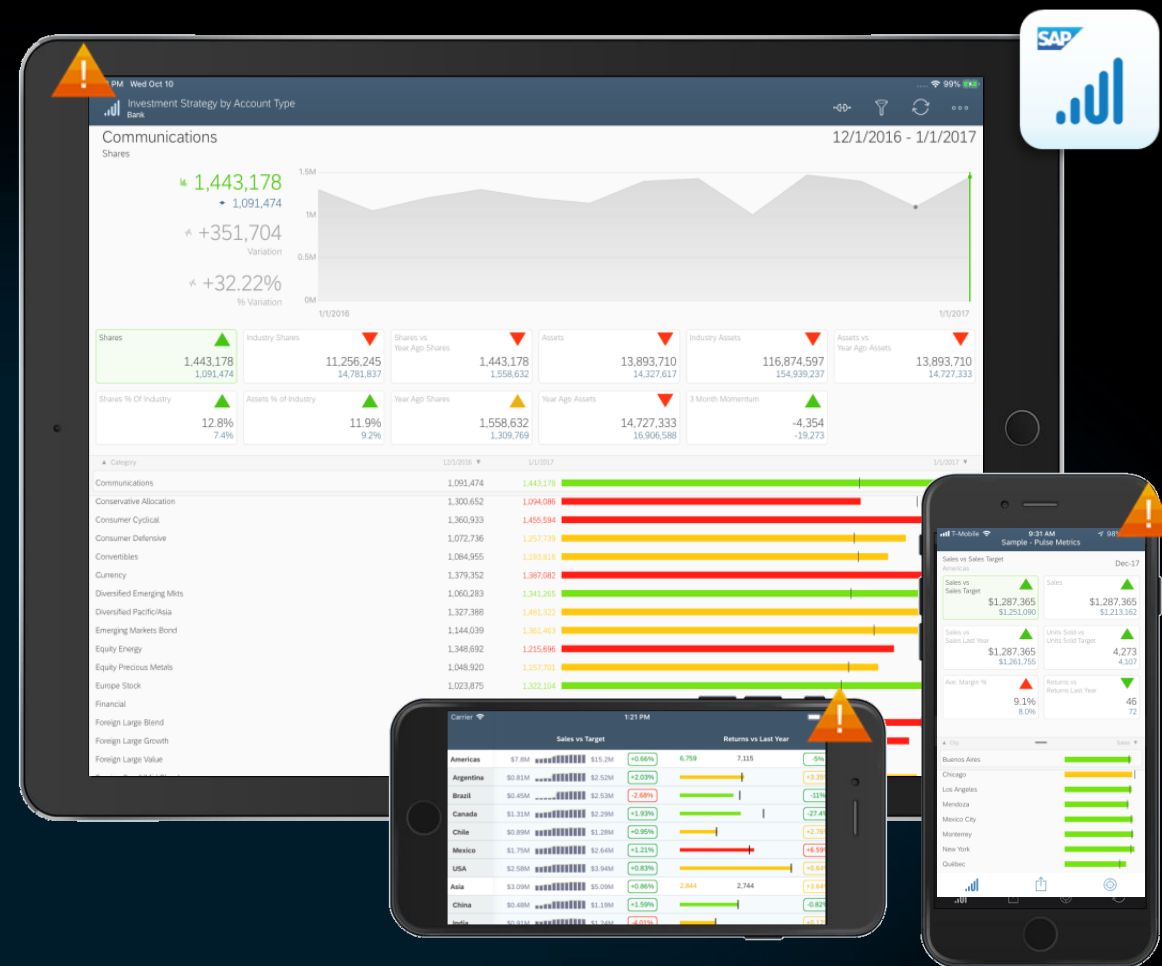
- Pre-defined templates allow for a native application experience tailored specifically for mobile use cases

Always available

- Offline focused architecture enables users to fully access and interact with their content instantaneously - regardless of availability or network speed

Seamlessly integrated into SAP Analytics Cloud

- Build your content directly in SAP Analytics Cloud
- Leverage same data connectivity and modeling layer as Stories



 SAP Labs Preview

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Roambi experience brought to SAP Analytics Cloud

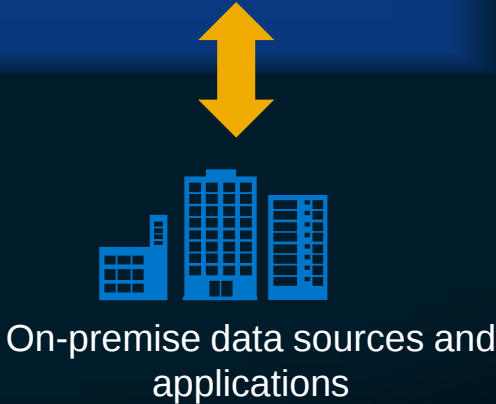
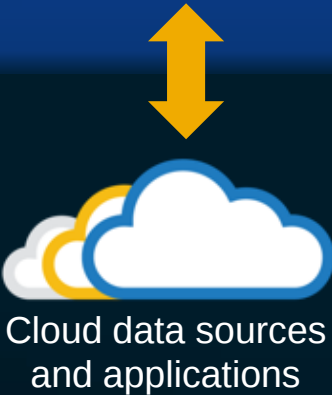
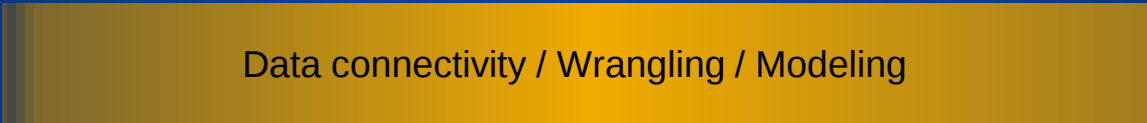
Mobile App Suite



Content Type



Data connectivity



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

Mobile

Q1/2018

SAC Mobile

Enterprise Readiness

- Internal Deployment SDK : XCode 10 support

Feature enhancements

- Improved UX for changing between tenants on mobile app
- Jump-to navigation in Digital Boardroom presentations
- Dynamic text within chart titles and subtitles
- Chart hyperlink with filter context

Q2/2019

SAC Mobile

Innovations

- Geospatial support (choropleth)
- Annotations

Enterprise Readiness

- Airwatch SDK Integration
- Localization support

SAC Roambi

- iOS support
- Templates: Pulse, Card, Catalyst, Superlist, Layers
- Import data support

Future Direction

SAC Mobile

Feature enhancements

- Android support for story and presentation viewing
- Embedding Stories in other Mobile Apps – Intelligent Enterprise
- Geospatial support (bubble, clustering)
- Global search (including speech-to-text)
- Improved content discovery
- Improved table experience (navigation, drilldown)
- Additional language support
- Support for planning workflows

Enterprise Readiness

- Improved BW Live performance
- Internal Deployment SDK (custom branding support)
- Improved SSO experience
- Input parameters and BW variable prompts

SAC Roambi

- Content sync and security features
- Android support
- Support for live data
- Internal Deployment SDK (iOS)

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