Discover
SAP BusinessObjects **BI 4.3**

SAP Analytics Product Management

THE BEST RUN **SAP**

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« SAP is commited to continue to invest into the on-premise BI Suite »
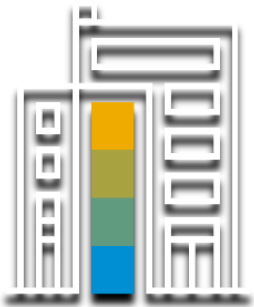
SAP BI Portfolio

SAP BI Portfolio comprises two key solutions

SAP Analytics Cloud

If you are looking to take advantage of the benefits of a cloud solution, SAP Analytic Cloud is the strategic analytics platform for all SAP applications.

SAP BusinessObjects BI suite

If you prefer to manage your applications on premises, SAP BusinessObjects BI Suite is the best and most scalable enterprise reporting solution in the industry.

Many customers use both solutions side by side

The Hybrid reality

New IT Spending is moving to the cloud

For new applications and projects.

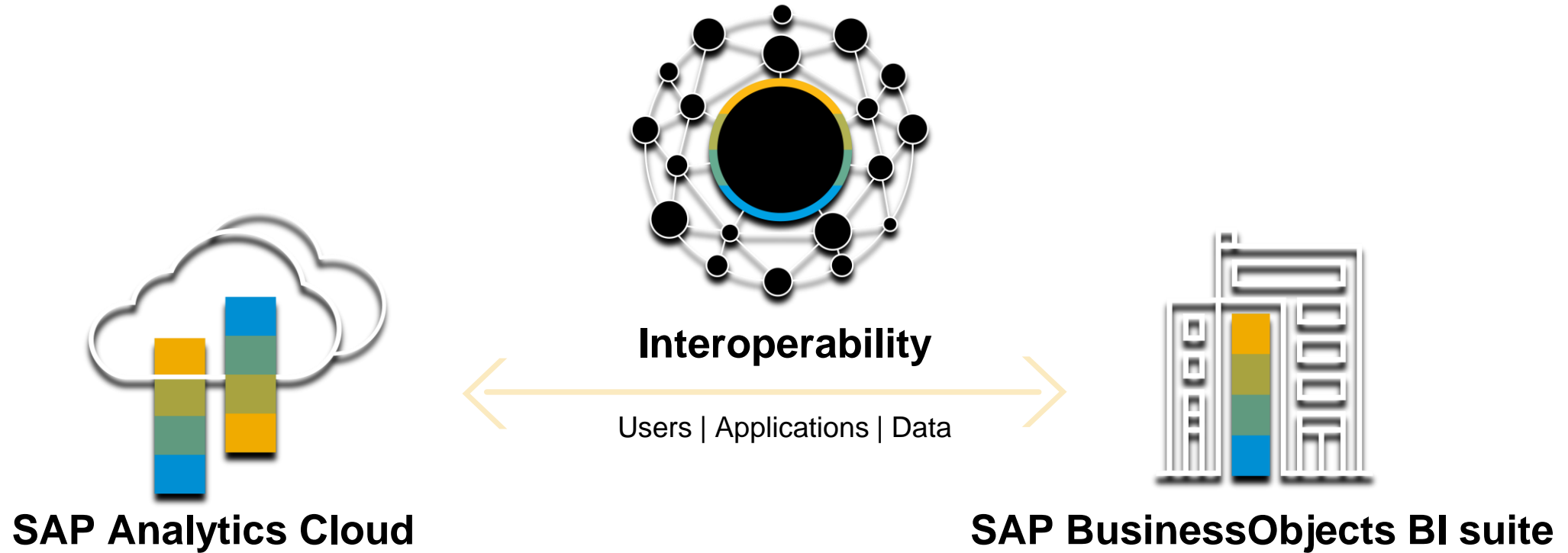**Analytics Innovation is in the cloud**

Customers are adopting SAP Analytics Cloud to benefit from it

Customers have large on premise investments

The transition will take time, some workloads will stay on premises for the next few years

SAP BI investments are in three key areas

Interoperability

Users | Applications | Data

SAP Analytics Cloud

SAP BusinessObjects BI suite

SAP BI investments are in three key areas

Interoperability

Users | Applications | Data

SAP Analytics Cloud

- Smart insights, smart predict, conversational search and natural language
- Accelerate time to value and enterprise readiness
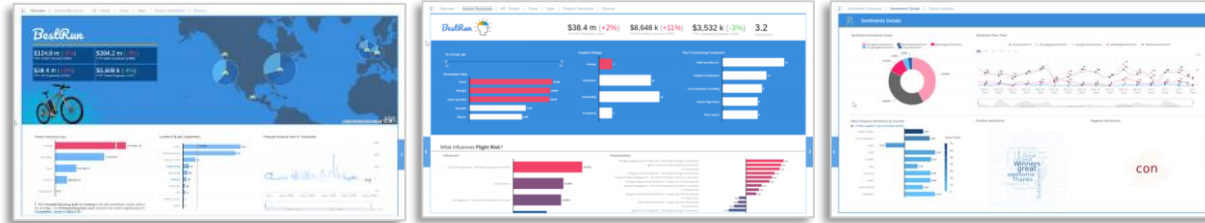- Focus on usability and self service
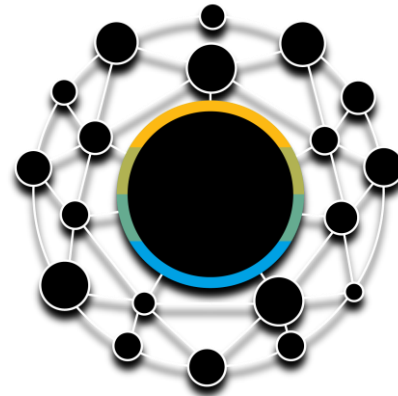
SAP BusinessObjects BI suite

- BI 4.3: a brand new, modern user experience
- Tighter integration with SAP Analytics Cloud
- Customer enhancements
- Continue to lower TCO

SAP BI Portfolio 2019

SAP Analytics Cloud

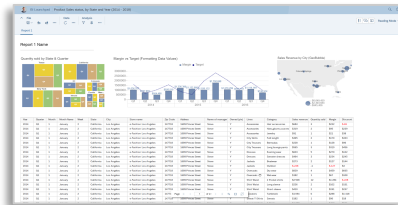**One simple analytics cloud solution**
Data discovery and Dashboarding
Collaborative Planning
Augmented Analytics

Live connectivity to on-premise BW, HANA & Universes

SAP BusinessObjects BI suite

**Web Intelligence
Ad-hoc query and Operational Reporting***

Formatted, interactive Reporting and
Self-service Dashboarding
Automated Publishing & Scheduling

** **Crystal Reports** remain the best option for pixel perfect reporting.*

**SAP Lumira Designer
Analytic Applications**

On-Premise Custom Application
And Interactive online analysis

**SAP Analysis Office
MS Office**

Self-service analysis for OLAP
& Planning data sources

SAP BusinessObjects BI4.3
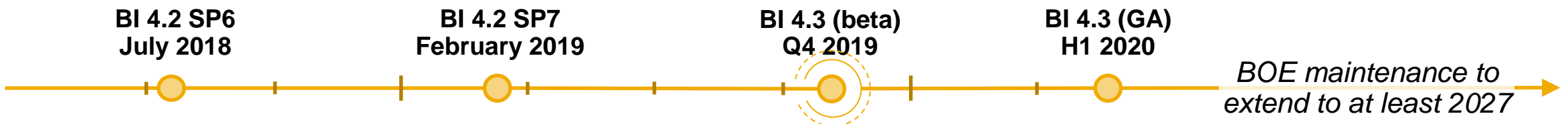
SAP BusinessObjects BI 4.3
Expanding, Extending, and Innovating SAP Analytics

SAP continues to invest into the on-premise BI Suite

- SAP plans to release the next version of the BI suite by Q4 2019 (beta)

- BusinessObjects BI 4.3 will then become generally available in Q2 2020 (GA)

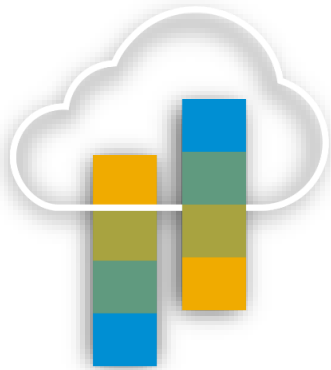- As per the Maintenance Policy, the maintenance will be extended to 2027 at a minimum

…while easing the adoption of SAP Analytics Cloud by on-prem customers.

- Customers will get a head start in their cloud analytics journey by leveraging existing on-prem assets

- SAP offers a conversion program called the Cloud Extension Policy to allow for a partial termination of on-premise maintenance when replaced with a new cloud contract

| BI 4.2 SP6 | BI 4.2 SP7 | BI 4.3 (beta) | BI 4.3 (GA) |
| July 2018 | February 2019 | Q4 2019 | H1 2020 |

BOE maintenance to extend to at least 2027

SAP BusinessObjects BI 4.3
Key Themes

Hybrid

Provide a tighter integration between BusinessObjects BI and SAP Analytics Cloud

User Experience

Harmonize user experience and foster BI adoption with a Fiori like experience
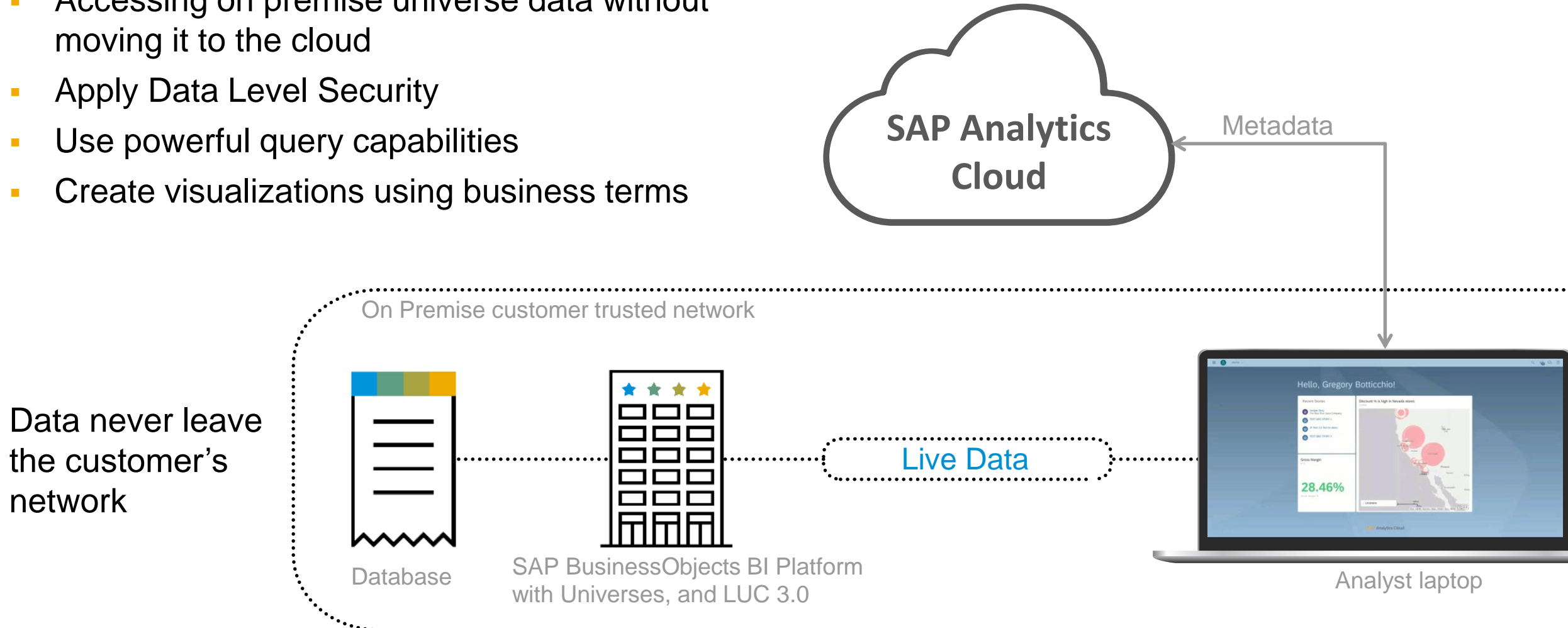
Enterprise Readiness

Enhance ease of deployment and support latest industry standards

SAP BusinessObjects BI 4.3

Live Universe Connector 3.0

Hybrid

- Accessing on premise universe data without moving it to the cloud

- Apply Data Level Security

- Use powerful query capabilities
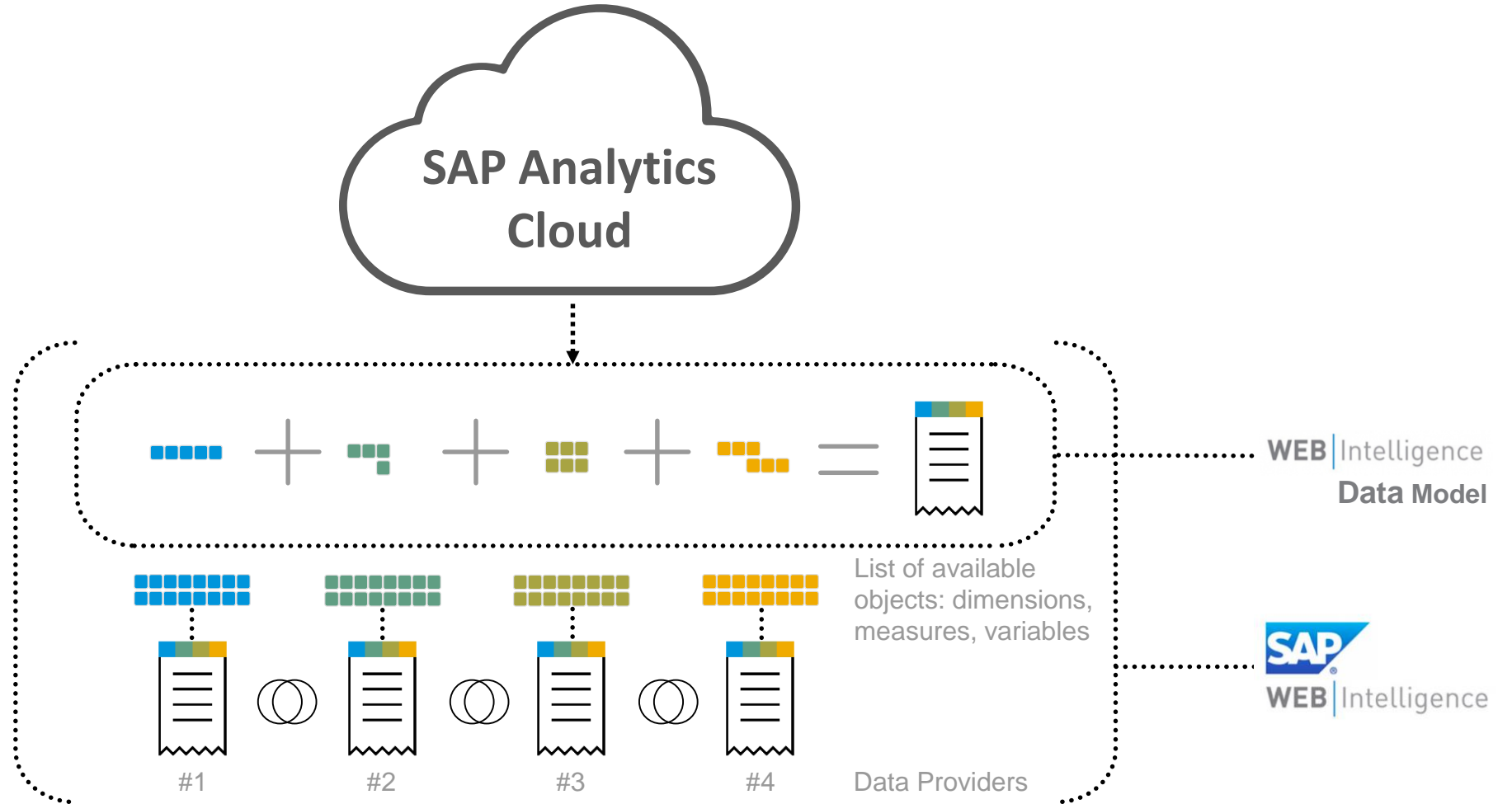
- Create visualizations using business terms

SAP Analytics Cloud

Metadata

On Premise customer trusted network

Data never leave the customer's network

Hello, Gregory Botticchio!

Gross Margin

28.46%

Live Data

Database

SAP BusinessObjects BI Platform with Universes, and LUC 3.0

Analyst laptop

SAP BusinessObjects BI 4.3

Consume Web Intelligence data model in SAP Analytics Cloud

Hybrid

Re-use existing Web Intelligence documents to build new information

SAP Analytics Cloud

WEB|Intelligence
Data Model

List of available objects: dimensions, measures, variables

SAP
WEB|Intelligence

#1   #2   #3   #4   Data Providers
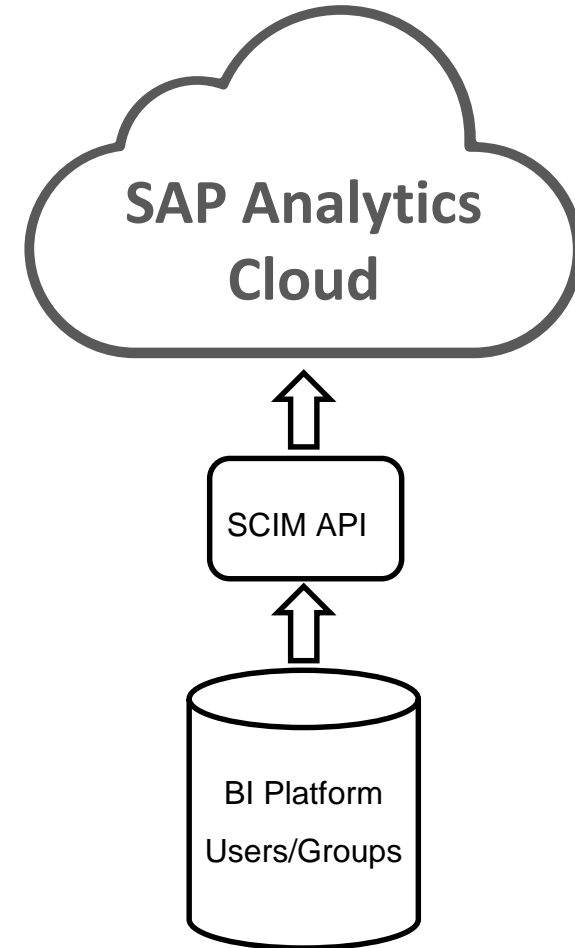
SAP BusinessObjects BI 4.3

Hybrid User Management

Hybrid

Deliver SCIM (System for Cross-domain Identity Management) APIs

- easily onboard existing on-prem users to the cloud (SAP Analytics Cloud / Analytics Hub)

- either by user or user groups

SCIM APIs can be used by Identity Provisioning Service to provision and synchronize BI Platform Users to SAC

SAP Analytics Cloud

SCIM API

BI Platform Users/Groups

SAP BusinessObjects BI 4.3

Analytics Hub integration

Select and identify BOE content

- to be pushed to automatically appear as Analytics Hub assets

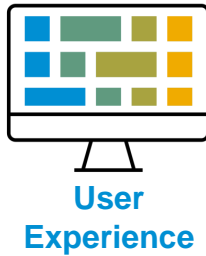- to remain synchronized and up to date

SAP Analytics Hub
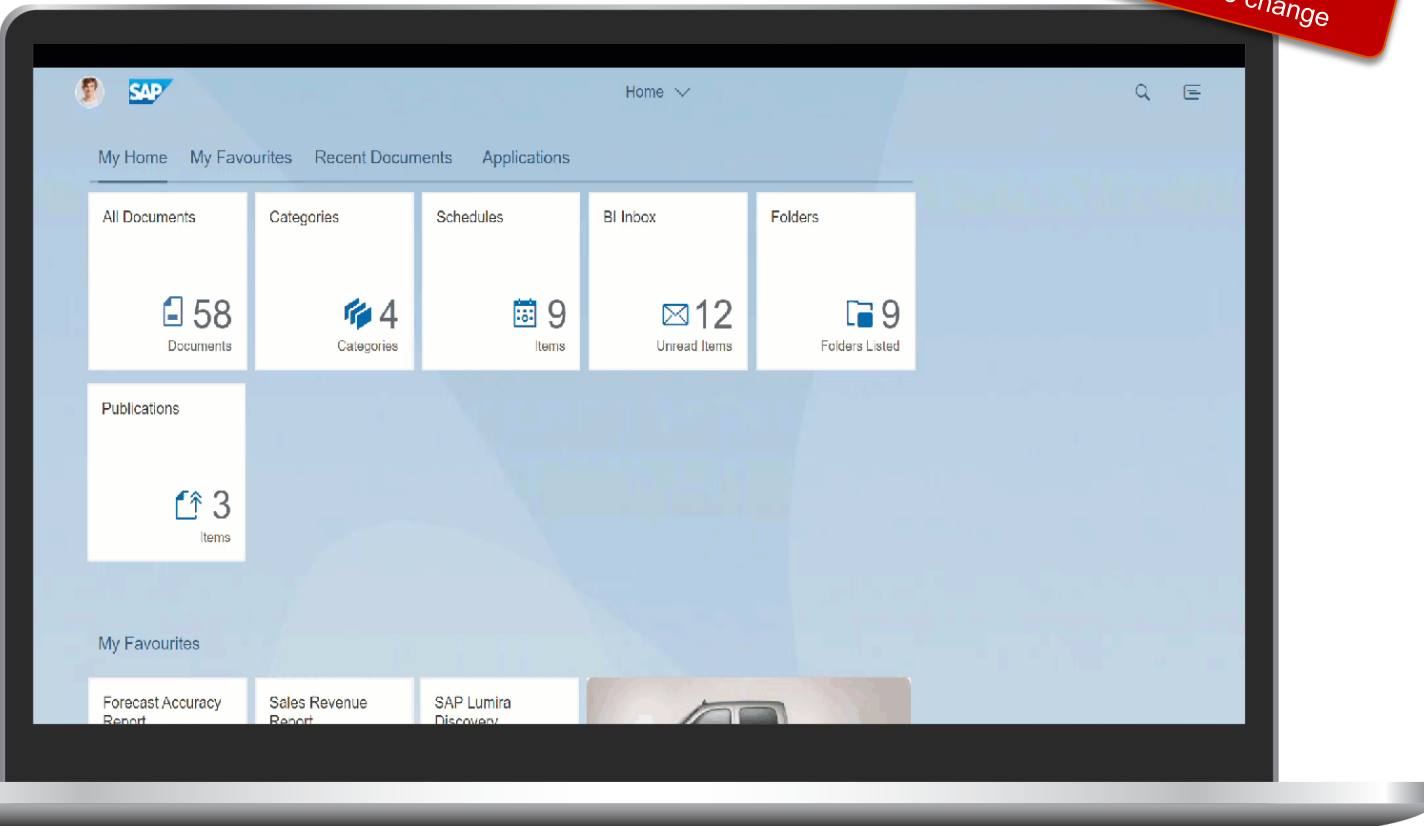
SAP BusinessObjects BI Platform
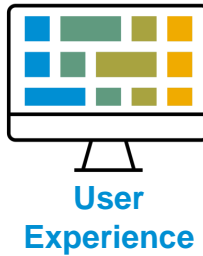
SAP BusinessObjects BI 4.3
New BI Launch Pad

MOCKUP
Subject to change

New Fiori like BI Launchpad

- Modernized user experience
- Do not ship the existing BI LaunchPad
- 100% compatible with existing content and authorizations
- Full functional parity
- Scheduling / Publication enhancements
- Updated BI Workspace

SAP BusinessObjects Web Intelligence 4.3

One Web Intelligence client

A rejuvenated user experience

- One client for the web and the desktop, for viewers and designers

- Consistent with the new Web Intelligence interactive viewer

- HTML5 (no Java required anymore), FIORI like

- Touch ready

- Full parity with the Web Intelligence Java Applet and Web Intelligence Rich Client 4.2 SP07
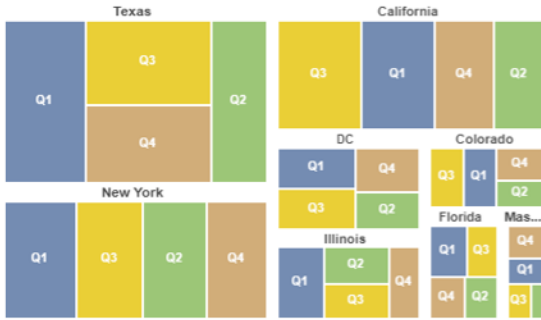
Main UI improvements

- Light menu bar (no double ribbon)

- New Formatting panel, with immediate result of contextual formatting actions

- New Build (Feeding) panel, for a "trial" experience when authoring and analyzing a report

- New contextual Widget in addition of the Right-Click

- *Overall, the UI enhancements unlock end-user autonomy, self-service Reporting and Dashboarding*

BI Launchpad | Product Sales status, by State and Year (2014 - 2018)

File — Data — Analysis — Reading Mode

Report 1

Report 1 Name

Quantity sold by State & Quarter

Margin vs Target (Formatting Data Values)

■ Margin ● Target

$1,036,787 $757,859 $504,468 $926,510 $1,236,390 $1,132,666 $1,026,132 $1,792,698 $1,070,299 $996,191 $1,114,149 $742,914

| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| | 2014 | | | | 2015 | | | | 2016 | | | |

Sales Revenue by City (GeoBubble)
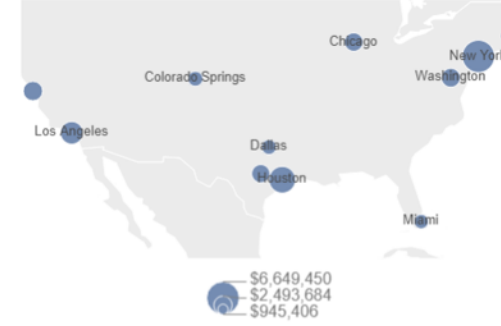
$6,649,450
$2,493,684
$945,406

Year	Quarter	Month	Month Name	Week	State	City	Store name	Zip Code	Address	Name of manager	Owned (y/n)	Lines	Category	Sales revenue	Quantity sold	Margin	Discount
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Accessories	Hair accessories	$684	3	$232	$-69
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Accessories	Hats,gloves,scarves	$319	2	$95	$239
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Accessories	Jewelry	$91	1	$21	$38
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	City Skirts	Full length	$365	2	$170	$333
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	City Trousers	Bermudas	$228	1	$128	$96
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	City Trousers	Long lounge pants	$565	3	$310	$456
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Dresses	Evening wear	$603	5	$270	$122
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Dresses	Sweater dresses	$464	3	$234	$245
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Jackets	Boatwear	$273	2	$127	$144
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Jackets	Outdoor	$-228	-1	$-127	$3
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Overcoats	Dry wear	$839	4	$459	$665
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Overcoats	Wet wear	$182	1	$67	$108
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Shirt Waist	2 Pocket shirts	$2 508	12	$1 284	$-228
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Shirt Waist	Long sleeve	$236	2	$102	$151
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Shirt Waist	Short sleeve	$410	2	$191	$237
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	14771	1689 Princes Street			weaters	Turtleneck	$1 094	6	$288	$1 418
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Sweat-T-Shirts	Sweats	$182	1	$96	$18
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Sweat-T-Shirts	T-Shirts	$1 258	7	$760	$531

Page |< < 1 of 1+ > >|

BI Launchpad Product Sales status, by State and Year (2014 - 2018)

File | Data | Insert | Analysis | Display | Properties | Design Mode

Page 1 of 1

Report 1

Report 1 Name

Quantity sold by State & Quarter

Texas | California
Q1 | Q3 | Q2
Q4
New York
Q1 | Q3 | Q2 | Q4
DC | Colorado
Illinois
Florida | Mas...

Margin vs Target (Formatting Data Values)

■ Margin ● Target

3000000
2500000
2000000
1500000 — $1,792,698
1000000 — $1,036,787 $757,859 $504,468 $926,510 $1,236,390 $1,132,666 $1,026,132 $1,070,299 $996,191 $1,114,149 $742,914
500000
0
Q1 Q2 Q3 Q4 | Q1 Q2 Q3 Q4 | Q1 Q2 Q3 Q4
2014 | 2015 | 2016

Year	Quarter	Month	Month Name	Week	State	City	Store name	Zip Code	Address	Name of manager	Owned (y/n)	Lines	Catego
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Accessories	Hair ac
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Accessories	Hats,g
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Accessories	Jewelr
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	City Skirts	Full le
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	City Trousers	Bermu
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	City Trousers	Long l
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Dresses	Evening wear
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Dresses	Sweater dresse
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Jackets	Boatwear
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Jackets	Outdoor
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Overcoats	Dry wear
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Overcoats	Wet wear
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Shirt Waist	2 Pocket shirts
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Shirt Waist	Long sleeve
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Shirt Waist	Short sleeve
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Sweaters	Turtleneck
2014	Q1	1	January	2	California	Los Angeles	e-Fashion Los Angeles	147718	1689 Princes Street	Steve	Y	Sweat-T-Shirts	Sweats

Data / Document structure and filters

Data Provider 1
Table 1

Search

> Block Type
> Filters 2
> Rank +
∨ Feeding
  ∨ Columns (18)
    Year
    Quarter
    Month
    Month Name
    State
    City
    Store Name
    Zip Code
    Address
    Name of manager
    Owned
    Lines
    Category
    Sales revenue
    Quantity sold
    Margin
    Discount

∨ Report 1
  □ Pager Header
  =ReportName()
  Table 1
  □ Pager Footer

Object List
Search
Show Objects by Type
> Variables +
∨ Measures
  Discount
  Margin
  Promotion Cost USD
  Quantity Sold
  Sales Revenue
∨ Dimensions
  Category
  City
  Lines
  ∨ Month
    Month Name
    Name of manager
  Owned (y/n)
  Promotion (y/n)
  Quarter
  State

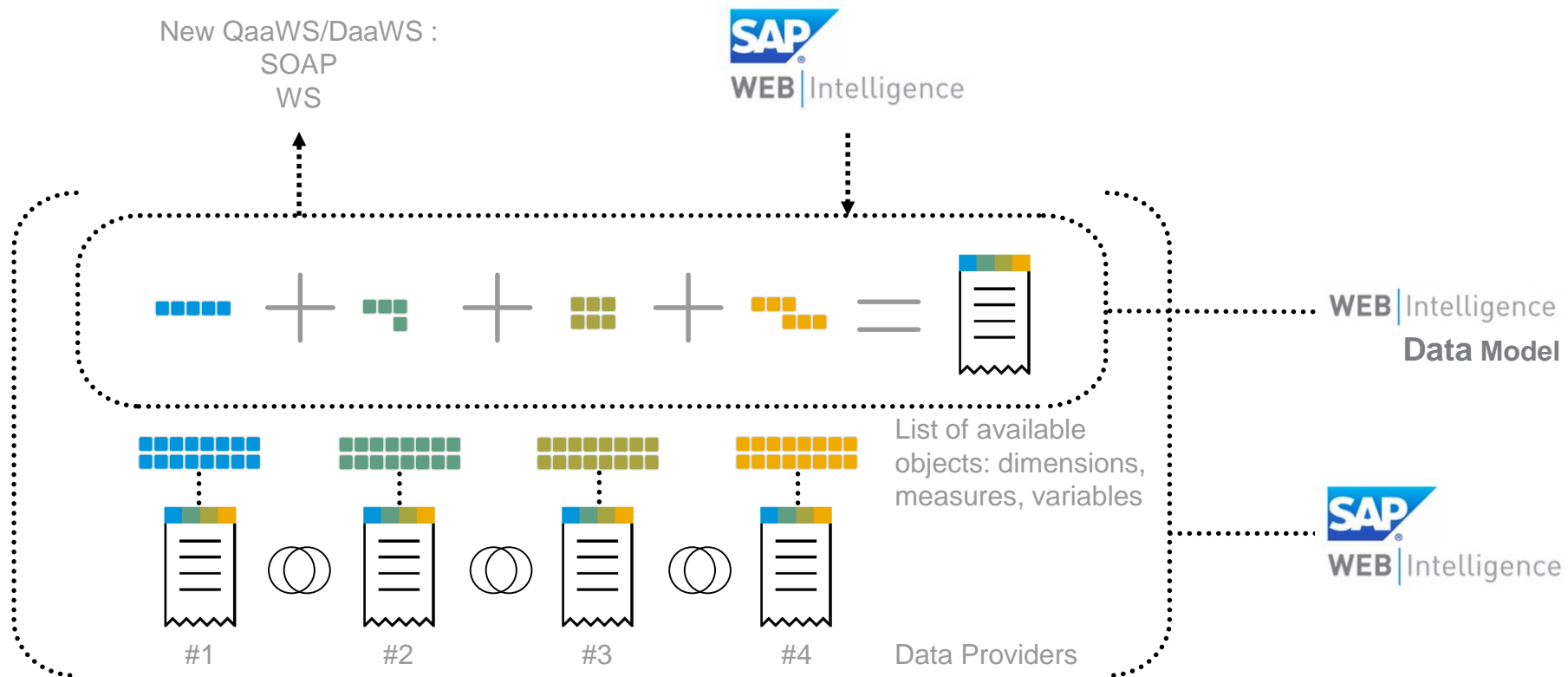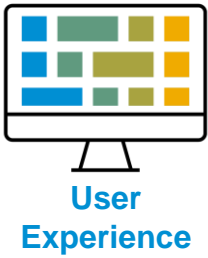# SAP BusinessObjects Web Intelligence 4.3

Sharing the SAP BusinessObjects Web Intelligence data model (1/3)

- Re-use existing Web Intelligence documents to build new information
- Create and share the business semantics, and associated result sets
- Enforce consistency and update of information (trusted BI, lower TCO of updates)
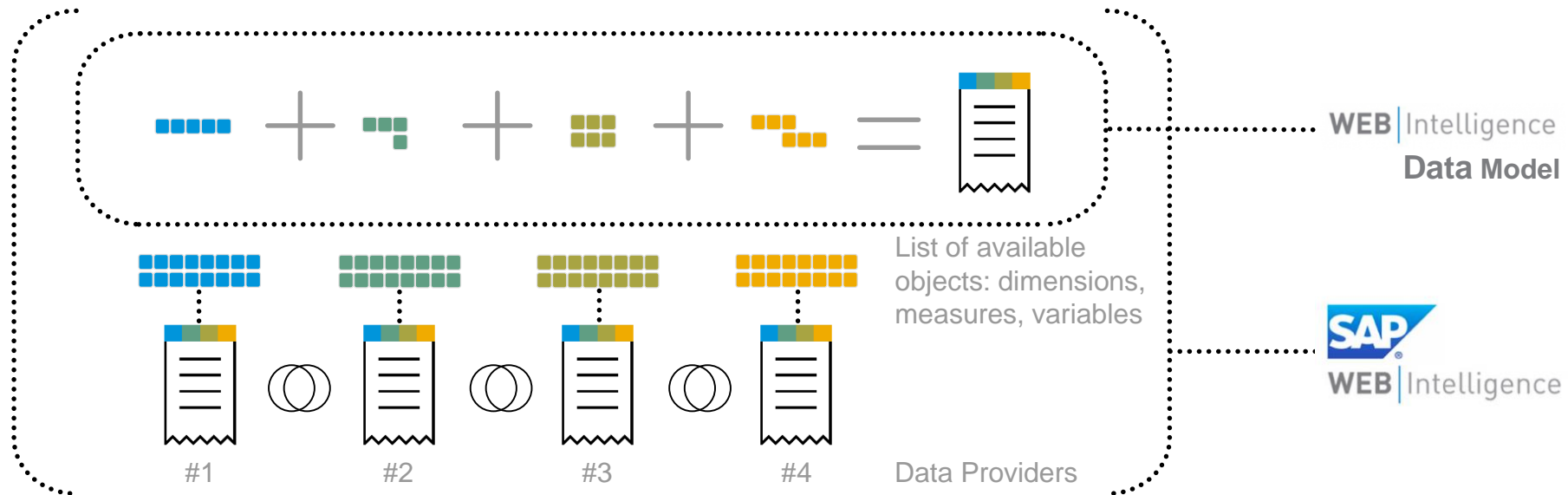
List of available objects: dimensions, measures, variables

Data Providers

#1   #2   #3   #4

WEB Intelligence
Data Model

SAP WEB Intelligence

SAP BusinessObjects Web Intelligence 4.3

Sharing the SAP BusinessObjects Web Intelligence data model (2/3)

New QaaWS/DaaWS :
SOAP
WS

WEB|Intelligence

WEB|Intelligence
Data Model

List of available
objects: dimensions,
measures, variables

SAP WEB|Intelligence

#1   #2   #3   #4   Data Providers

SAP BusinessObjects Web Intelligence 4.3
Sharing the SAP BusinessObjects Web Intelligence data model (3/3)
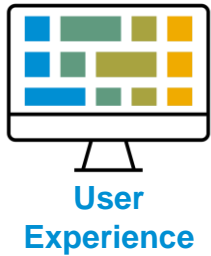
Business/Power User

- Create queries (Data Providers)
- Merge queries (heterogeneous data)
- Add custom variables (custom formulas)
- Validate and share the WebI data model

WEB|Intelligence

Data Model

End Users

- Select a WebI data model
  - (Get data without using the query panel (optional))
- Design a Report or a Dashboard
- Share their analysis via a WebI document
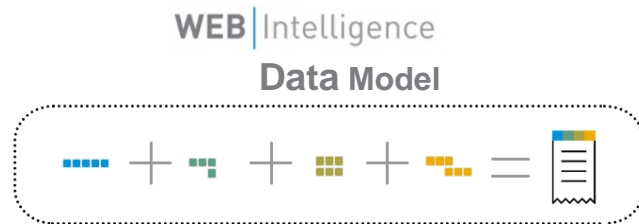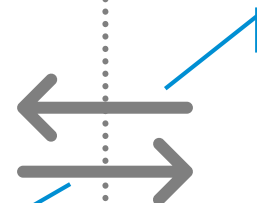
Access and consume

SAP
WEB|Intelligence

Share and update

SAP BusinessObjects Web Intelligence 4.3

Continuous innovations to simplify the report consumption and creation

Interactive analysis for end-users

- Enable UI customization for the new interface: menu items, panels, contextual widget
- Allow the proposition of custom interface for new categories of end-users:
  - Intermediate profiles between a reader and a full designer
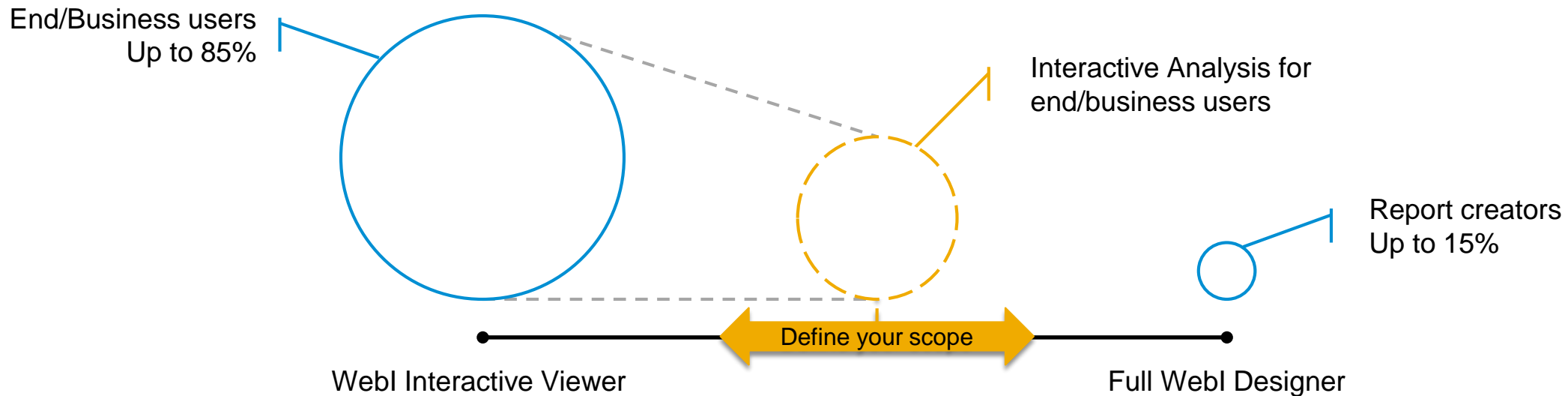
End/Business users
Up to 85%

Interactive Analysis for end/business users

Report creators
Up to 15%

Define your scope

WebI Interactive Viewer

Full WebI Designer

SAP BusinessObjects Web Intelligence 4.3

Continuous innovations to simplify the report consumption and creation
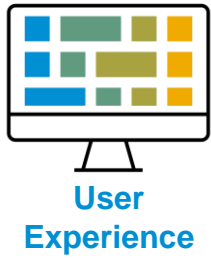
New charts types and capabilities

- Charts in cells (micro-charts in table cell)

- Trend lines

- Trellis charts

- Zoom and pan

SAP BI Mobile

New Web Intelligence 4.3 experience

Make every Web Intelligence document consumable from everywhere

- Responsive user interface working on all devices (tablets and smartphones)

- Enable analysis "on-the-go" of existing WebI document, when connected

- Integrated into the SAP BI Mobile app
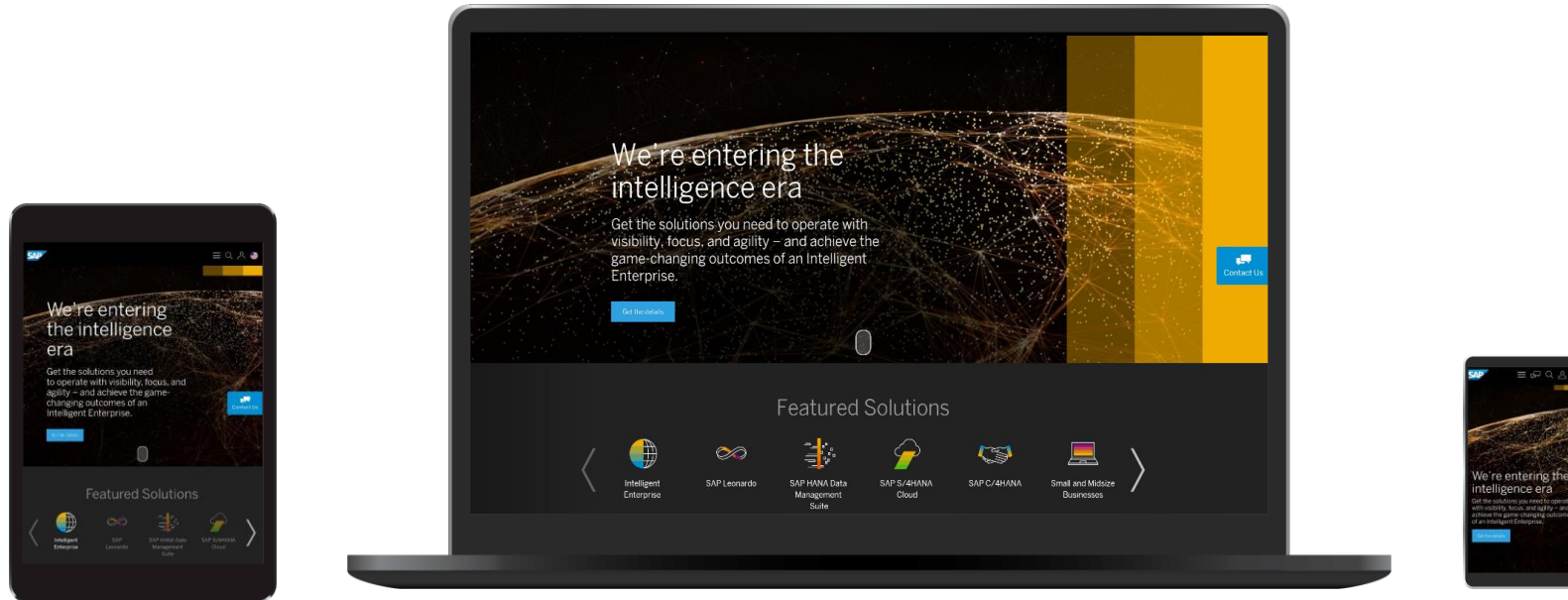
SAP Crystal Reports 4.3

- CR4E Repository Items

- 64bit version for Crystal Reports client and server

- Support new Japan Era

- Leverage BI Platform updates
  - Platforms and data sources support
  - Fiorified BI LaunchPad publications
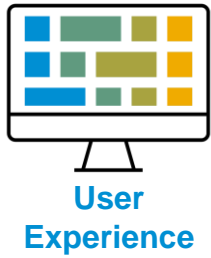
SAP BusinessObjects BI 4.3

Enterprise Readiness

- Installation and deployment: continuous improvements to the install process, enhancements to silent install, tool to support cache removal etc

- Security enhancements: support for SAML 3.0, simplified SAML configuration and setup, credential mapping enhanced to support multiple combinations

- Updates to the administrator tools like BI Admin cockpit, monitoring, promotion management etc.

- Improved audit functionalities to better track user updates like login failures, authentication etc.

- Enhancements to scheduling and publication functionalities

- Highest security and product standards compliance: updated components to adhere to the latest security and product standards to address any vulnerability or other concerns

- New versions of data sources, applications and OS support (ex: Snowflake, Google BigSuery)

- Simplified IaaS deployment: enhancements provided to support bulk updates, track settings etc.

Products not shipped with 4.3

- Adobe will stop supporting and distributing the Flash player on Dec 31 2020

- SAP BusinessObjects Dashboards and SAP BusinessObjects Explorer both depend on Flash and hence will not be available in SAP BusinessObjects BI 4.3

- Please refer the following links for additional details
  - KBA 2739919 – Dashboards will be removed in BI4.3
  - KBA 2729987 – BI Widgets will be removed in BI4.3
  - KBA 2679783 – Explorer will sunset by end of 2020

- After Dec 31 2020, existing installations may continue to work, but will not be supported by SAP

- SAP recommends SAP Analytics Cloud as the replacement for SAP BusinessObjects Explorer

- SAP recommends SAP Lumira Designer as the replacement for SAP BusinessObjects Dashboards

SAP BusinessObjects BI 4.3
Key Content
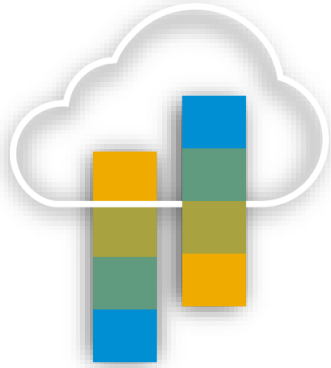
Hybrid

- **Improved SAP Analytics Cloud live connectivity (universes, Web Intelligence documents)**
- **Simplified SSO configuration and user management across cloud and on-prem platforms**
- **Improved integration with Analytics Hub**

User Experience

- **New Fiori like BI LaunchPad**
- **One HTML5 Web Intelligence client**
- **New Web Intelligence Data Model**
- **Customer enhancements to key BI suite components**

Enterprise Readiness

- **Enhanced scheduling & publishing frameworks**
- **Simplified installation and deployment**
- **Highest security and product standards compliance**
- **New versions of data sources, applications and OS support**
- **Simplified IaaS deployment**

Thank you.

SAP Analytics Product Management

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THE BEST RUN **SAP**