



SAP BI Roadmap and Convergence Update

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BI Strategy and Convergence Update

To help our customers simplify their analytics strategy and accelerate delivery of innovation, SAP Analytics Cloud will be SAP's primary solution for data discovery moving forward.

We will continue to deliver incremental quality, performance, and functional innovations to customer's existing on-premise investments in SAP Lumira Discovery.

As a result, new data discovery investments will be heavily focused on SAP Analytics Cloud, which gives our customers the ability to discover, analyze, plan, predict, and collaborate in one integrated experience with a solution that integrates with both on-premise and cloud-based data sources.

Convergence Principles



We are converging use cases, not features and functions



BI 4.x content will continue to work and be maintained*



No forced migrations

*Exceptions are:

- Desktop Intelligence end of support Dec 31 2018
- SAP BusinessObjects Explorer end of support Dec 31 2020 due to Flash EOL
- SAP BusinessObjects Dashboards end of support Dec 31 2020 due to Flash EOL

Data Discovery Roadmap Update

Context

We have 2 Data Discovery solutions

- SAP Analytics Cloud
- SAP Lumira Discovery

SAC is maturing rapidly

- Supports live access to on-premise data in BW, HANA, and Universes
- Becoming a default part of all SAP cloud solutions

Competitive market

- Customers will benefit from a clear focus on a single solution for data discovery.

For Customers

SAC is the primary data discovery solution for all customers

- **The Lumira Discovery roadmap will now focus on quality, performance, and parity with Lumira 1.x.**
- We will support Lumira customers to ensure successful go-live of existing projects
- SAP Lumira 2.x will be supported and maintained through at least 2024.
- New feature development on Lumira Discovery will be minimal starting in 2019.
- Lumira Discovery remains a great complement to Lumira Designer as a rapid prototyping tool for analytic applications.

Our Strategy

Hybrid

- **Combine SAP Analytics Cloud, SAP Analytics Hub and SAP BusinessObjects Enterprise into a hybrid solution.**
- Deliver rapid innovation across all 3 hybrid components

On-premise innovations

- Continue to innovate with Analysis for Office (AO), Lumira Designer and Web Intelligence with a focus on hybrid use cases.

Commercial options

- On-premise shelfware can be replaced with SAC and SAH subscriptions using the Cloud Extension Policy
- Pilot a hybrid license that combines BOE and SAC in 1H 2018. GA planned for 2H 2018.



Application Design Use Case

Today we have a single solution for the Application Design use case:

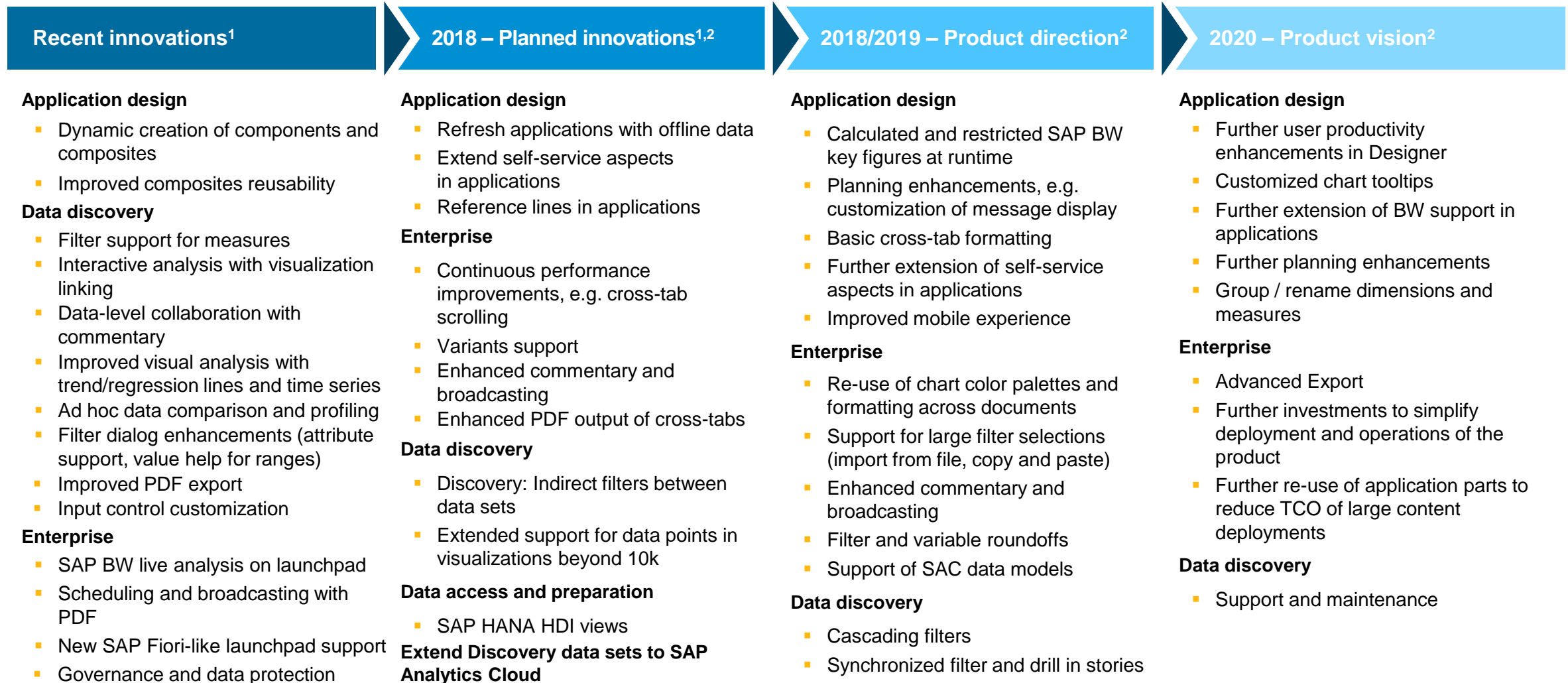
- SAP Lumira Designer 2.0 + SAP Lumira Server 2.0.

For the application design use case:

- Lumira Designer remains our primary solution for application design with continued innovation and investment
- In parallel, we are adding the application design use case to the SAP Analytics Cloud roadmap in H1, 2018

SAP Lumira

Product road map overview – key innovations



1. Potential data protection and privacy features include simplified deletion of personal data, reporting of personal data to an identified data subject, restricted access to personal data, masking of personal data, read access logging to special categories of personal data, change logging of personal data, and consent management mechanisms. 2. This is the current state of planning and may be changed by SAP at any time without notice.

Supporting Customer Success in Their Transition to Cloud

License conversion policy

- SAP currently offers a commercial program called the Cloud Extension Policy to transition maintenance on unused software into cloud subscription

Hybrid licensing/pricing

Single subscription license including:

- SAP BusinessObjects Enterprise Professional
- SAP Analytics Cloud
- Users can use Analytics Cloud, BusinessObjects BI, or both
- Supports both user and concurrent session metrics
- Pilot underway; GA expected 2H 2018

Customer Experience

- Short-term program team, established to support customers with migration and transition questions:
SAPaskAnalytics@sap.com
- Includes Lumira and Roambi customers
- Expert product and services resources with guidance to assist customers with the best path forward

Data Discovery Roadmap FAQ

We are close to going live on Lumira Discovery. What should I do?

Move forward with confidence that SAP is committed to fully supporting the quality, performance, and completeness of SAP Lumira as shown in the roadmap.

How can I combine on-premise based reporting with data discovery in the cloud?

SAP Analytics Hub is a key element of our hybrid strategy. This is a specialized analytics portal that enables side-by-side usage of data discovery in SAP Analytics Cloud with content based on SAP BusinessObjects BI Platform.

Why is SAP Analytics Cloud a better fit for my analytics needs?

SAP Analytics Cloud is the only pure cloud based data discovery solution that can also access on-premise data *without data replication*. In addition, it combines machine learning technology and planning functionality to provide a holistic analytics experience in a single subscription service that delivers innovations every 2 weeks.

Will there be a technical conversion to SAP Analytics Cloud?

SAP Analytics Cloud can connect to all major on-premise data sources like Universes, BW, and HANA without replicating data to the cloud. We recommend adopting SAP Analytics Cloud for your next data discovery project. We will continue to support and maintain Lumira Discovery content. There is no deadline or forced migration to SAP Analytics Cloud.

Data Discovery Roadmap FAQ

I already own Lumira Discovery. Do I have to purchase SAP Analytics Cloud now?

No – you can continue to use Lumira Discovery for your data discovery use cases, but we recommend learning more about the benefits of SAP Analytics Cloud by checking out the [free 30 day trial](#).

As of Q4 2017, SAP Analytics Cloud is a separate subscription license from your existing SAP BusinessObjects BI solution. We offer a conversion program (called the [Cloud Extension Policy](#)) to enable partial terminations of on-premise maintenance when combined with a new contract for SAP Analytics Cloud.

This unique program allows the maintenance spend on unused on-premise licenses to be credited against a new contract for SAP Analytics Cloud.

In addition, by mid 2018 we plan to offer a single, combined subscription license that will combine SAP Analytics Hub, SAP Analytics Cloud, and SAP BusinessObjects BI.

What does this mean for the rest of the BusinessObjects BI Platform including Web Intelligence and Crystal Reports documents?

We continue to plan for incremental innovations to Web Intelligence and Crystal Reports. The roadmap for these products will be updated to focus on hybrid combinations of SAC and BOE.

SAP BI Portfolio as of Q4 2017

Analytics Catalog

SAP Analytics Hub

- Helps all users search for and launch analytics of any type: SAP or non SAP. On premise or Cloud.

Office Integration

SAP Analysis, edition for Office & Live Office

- For Financial Analysts and other business users
- Rapidly access, visualize, and analyze hierarchical data within Excel and PowerPoint
- Live Office enables parts of Crystal Reports and Web Intelligence documents to be embedded into Office documents

Data Discovery

SAP Analytics Cloud

- Integrated BI, Smart Discovery and Planning
- Data exploration
- Best for holistic analytics use cases with both cloud and on-premise based data – *without data replication*.

Dashboards & Applications

SAP Lumira 2.x

- Mashup relational data, rapidly create visualizations, and build simple stories
- Add scripting to create sophisticated, dynamic analytic applications like planning front ends
- Integrated data discovery and analytic applications

Reporting

SAP BusinessObjects Web Intelligence

SAP Crystal Reports

- Securely distribute information across your organization
- Answer new questions with predefined interactive reports
- Publish personalized reports via email

BI Convergence 2018

Includes hybrid combinations of cloud and on premise software

SAP BusinessObjects Explorer
SAP Roambi
SAP Lumira Desktop / Discovery
SAP BusinessObjects Analysis for OLAP



Analytics Cloud



Data Discovery

SAP BusinessObjects Design Studio
SAP BEX Web Application Designer
SAP BusinessObjects Dashboards



Lumira 2.x



Dashboards & Applications

Live Office
EPM Add-In
SAP BEX Analyzer



Analysis Office



Office Integration

SAP BusinessObjects Set Analysis
Desktop Intelligence



Crystal Reports Web Intelligence



Reporting

Including Live Office for embedding report parts into Microsoft Office documents.



Key Convergence Changes

SAP BusinessObjects Explorer
SAP Roambi
SAP Lumira Desktop / Discovery
SAP BusinessObjects Analysis for OLAP



Analytics Cloud



Data Discovery

SAP BusinessObjects Design Studio
SAP BEX Web Application Designer
SAP BusinessObjects Dashboards



Lumira 2.x



Dashboards & Applications

Lumira Discovery -> Analytics Cloud

Rationale:

- Both products solve the data discovery use case
- SAP's corporate strategy is cloud focused.
- Analytics Cloud will provide superior access to Cloud data (both SAP and non SAP) and integrated planning and predictive
- SAP plans to focus on quality, performance, and parity features compared to Lumira 1.31 to ensure successful customer deployments.

Explorer -> SAP Analytics Cloud

Rationale:

- SAP Analytics Cloud solves the Explorer use case today.
- Live access to on-premise data enables the Explorer use case to be solved without migrating data.
- Explorer will go unsupported Dec 31 2020 due to Flash end of support.

Roambi -> SAP Analytics Cloud

Rationale:

- SAP Analytics Cloud is the replacement for the use case currently addressed by SAP Roambi.
- SAP Analytics Cloud will add mobile first and offline capabilities in multiple phases starting in 2H 2018.

Dashboards (Xcelsius), Explorer and Flash end of support

Adobe will [“..stop updating and distributing the Flash Player at the end of 2020 and encourage content creators to migrate any existing Flash content...”](#)

- SAP BusinessObjects Dashboards (Xcelsius) and SAP BusinessObjects Explorer both depend on Flash

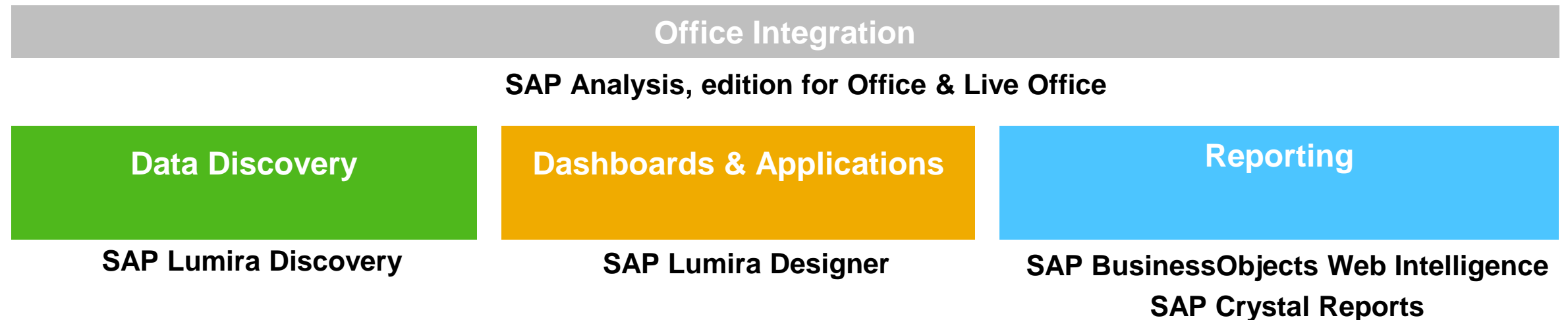
Key points:

- Adobe will stop supporting and distributing the Flash player on Dec 31 2020.
- After Dec 31 2020, new installations of Dashboards (Xcelsius) and Explorer *will not work*.
- After Dec 31 2020, existing installations *may continue to work, but will not be supported by SAP*.
- Different browser vendors phase out support for Flash at different times. Check with your browser vendor for their plan. These links describe the browser vendors intent as of late 2017: [Microsoft](#), [Google](#), [Mozilla](#), [Apple](#).
- SAP recommends SAP Analytics Cloud as the immediate replacement for SAP BusinessObjects Explorer.
- SAP recommends SAP Lumira Designer as the immediate replacement for SAP BusinessObjects Dashboards.

Deployment Options

Option 1: Continue with BOE on-premise

- Minimal enhancements in Lumira Discovery after version 2.3 (early 2019)
- Leverage Lumira Discovery as a tool to rapidly prototype Lumira Designer applications



Option 2: Combine SAP Analytics Cloud with BOE on-premise

- Benefit from innovations in SAP Analytics Cloud like planned natural language search and on-premise data access without replication
- No need to change existing BI Platform license on-premise
- Combine with on-premise BI Platform clients – including Lumira Discovery
- Adopt SAP Analytics Cloud at your own pace
- Hybrid roadmap includes plans to allow SAC to access Universes and data in Webi documents by mid 2018

Office Integration

SAP Analysis, edition for Office & Live Office

Data Discovery

SAP Analytics Cloud
SAP Lumira Discovery

Dashboards & Applications

SAP Lumira 2.x

Reporting

SAP BusinessObjects Web Intelligence
SAP Crystal Reports

Option 3: Option 2 + Analytics Hub

- All the benefits of Option 2 plus...
- Add an Analytics Catalog to make it easy for end users to find their analytics wherever they are located.
- Supports both SAP and non-SAP analytics

Analytics Catalog

SAP Analytics Hub

- Helps all users search for and launch analytics of any type: SAP or non SAP. On premise or Cloud.

Office Integration

SAP Analysis, edition for Office & Live Office

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SAP Analytics Cloud
SAP Lumira Discovery

Dashboards & Applications

SAP Lumira 2.x

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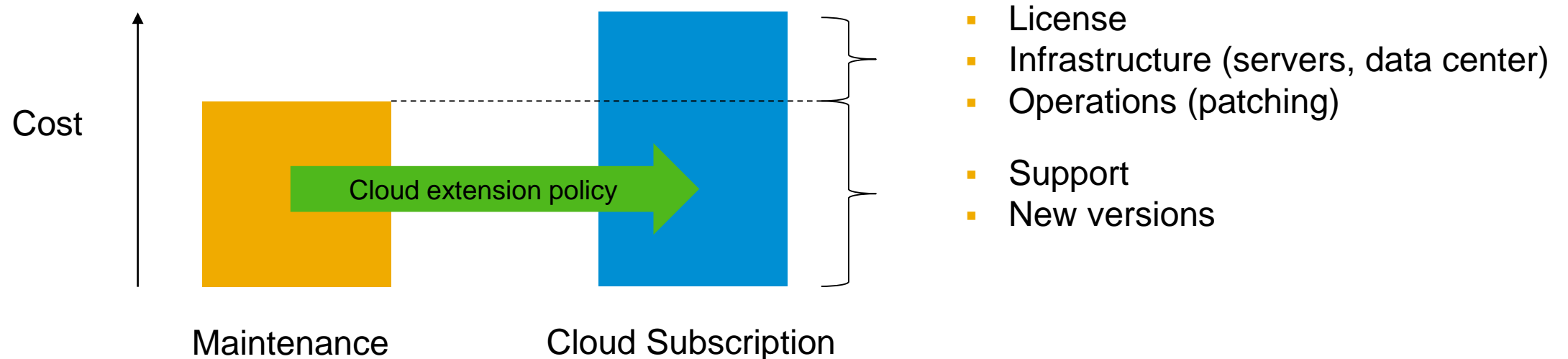
Commercial Options

Cloud Extension Policy

Objective: Help customers transition from on-premise license + maintenance to cloud subscriptions

Program:

- Allow for partial cancellation of on-premise maintenance when replaced by a cloud subscription
- The value of the cloud subscription must exceed the value of the on-premise maintenance.
- Cloud subscriptions include operations and infrastructure in addition to support and new versions



Hybrid BI License Roadmap

Planned for 2H 2018

Single subscription license including:

- SAP BusinessObjects Enterprise Professional
- SAP Analytics Cloud

- Users can use Analytics Cloud, BusinessObjects BI, or both
- Supports both user and concurrent session metrics
- Analytics Hub will be sold separately

Office Integration

SAP Analysis, edition for Office & Live Office

Data Discovery

SAP Analytics Cloud

Dashboards & Applications

SAP Lumira 2.x

Reporting

**SAP BusinessObjects Web Intelligence
SAP Crystal Reports**

Thank you.