

# Best Practices to Integrate SAP Analytics Cloud into your IT Landscape

...and a TechEd recap...

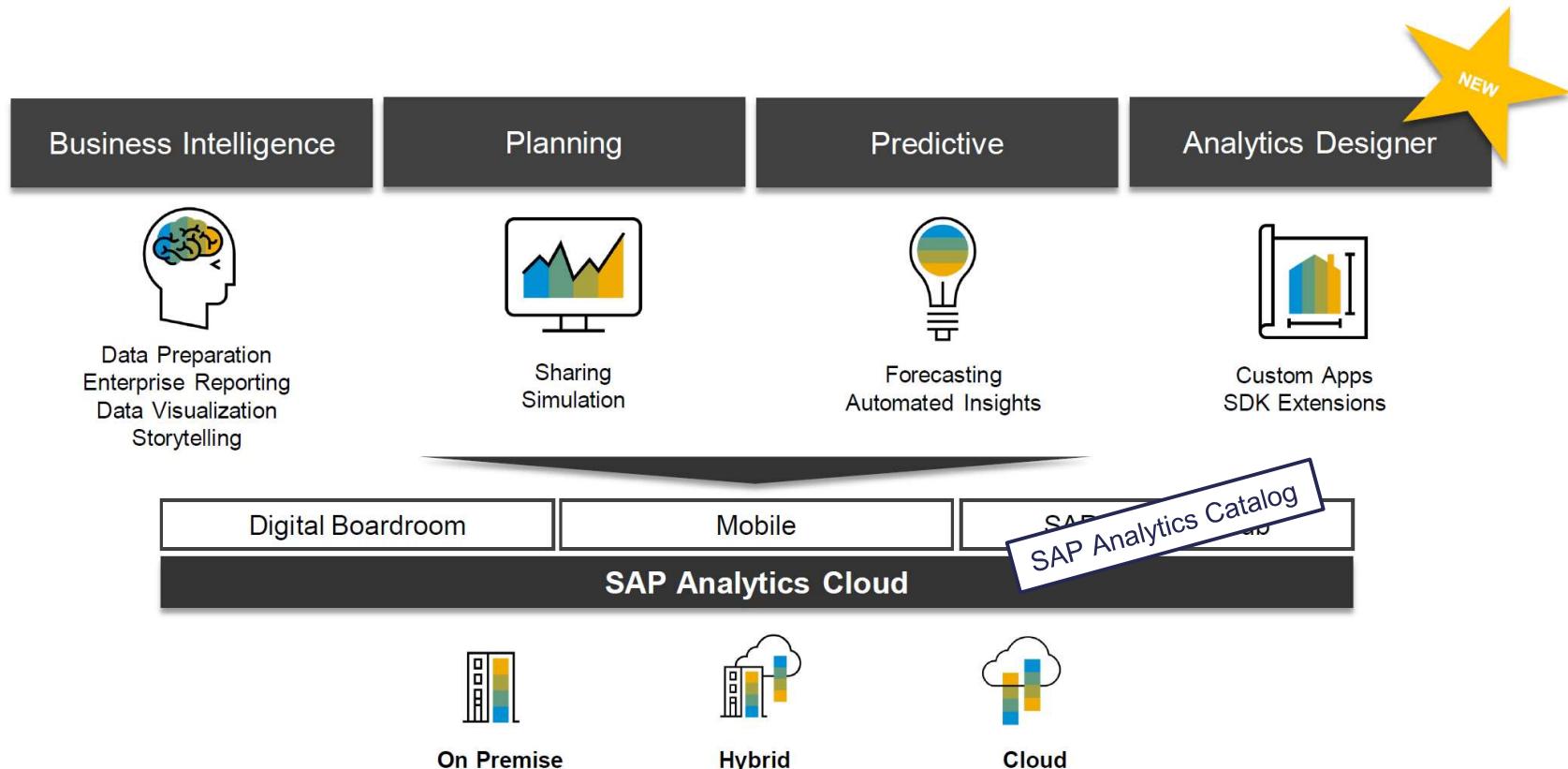
Martijn van Foeken – 23 Nov



## SAP TechEd 2019

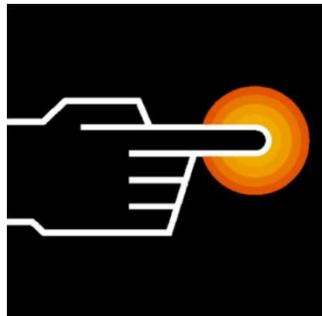


## One | Simple | Cloud

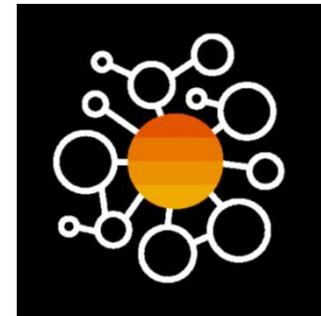


## SAP Analytics Hub – SAP Analytics Catalog

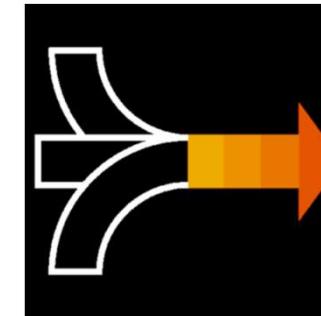
Single, Hybrid & Open Enterprise Catalog for All Analytics (SAP Analytics Cloud, BOE & 3<sup>rd</sup> Party) Guided Discovery & Consumption



**Single place for All  
Analytics**



**Enterprise focused  
solution**



**Guided Discovery &  
Consumption**

# SAP Analytics Hub – SAP Analytics Catalog

Q1 2020

- Start of SAP Analytics Catalog in SAP Analytics Cloud

The screenshot shows the SAP Analytics Catalog interface. At the top, there are tabs for 'Today', 'Catalog' (which is selected), and 'Favourites'. Below this, the 'Published' section displays several reports:

- Bike Sales & Marketing Report (2 hours ago)
- Sales Report Q2 2018 (1 day ago)
- Campaign Results
- Bike Sales (4 hours ago)
- Amazon S3 (10 days ago)
- aws (Total costs on Digital channels - including SEO, SEM, influencer marketing, content marketing...)
- act! (Facebook Ads 22 days ago)
- Profit and Loss (2 days ago)

At the bottom, there are sections for 'My Files & Shared with me' and a 'Show all (7)' button.

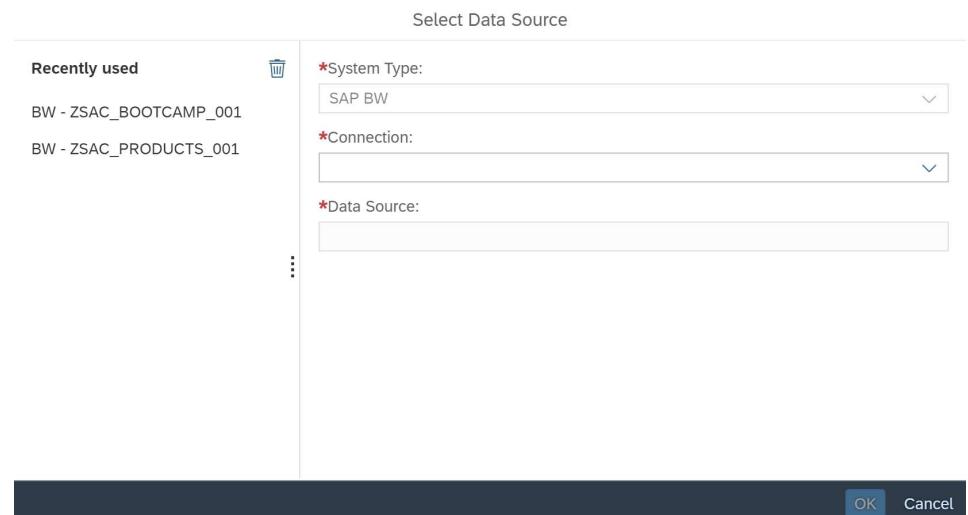
Q1 2020 ORC



- Future Direction
  - Support for SAC & DWC models, dimensions and KPI's
  - Suggestions and recommendations for Users based on profile and usage

## Data Analyzer

- Predefined ready-to-run service for SAP BW queries
- Use the Builder and Available Items panel
- SAP BW live connections supported, no additional model
- Can also be opened by writing a script in Analytics Designer
- Don't forget to grant permissions to execute!



# Data Analyzer

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## Import via Content Network

SAP Analytic Cloud, Analytic Designer Sample Content

Overview Import Options

This package covers SAP Analytics Cloud, Analytics Designer samples:

**Analytic Designer – Demos:**  
Demo application built on SAP Analytics Cloud, Analytics Designer.

**Analytic Designer – Features:**  
Set of Applications demonstrating capabilities of SAP Analytics Cloud, Analytics Designer.

- Learn add and Remove dimensions in row and columns of table.
- Learn how to implement cascaded filters.
- Learn how to use the R Visualization API.
- Learn how to implement a checkbox group to control table and chart content
- Learn how to implement a dropdown box to control table and chart content.
- Learn how to switch between chart and table using toggle feature.
- Learn how to implement Filter line.
- Learn how to use Smart Features APIs.

**Analytic Designer – Data Analyzer:**  
This Analytic Application launches the SAP Analytics Cloud Data Analyzer per Script API. The Data Analyzer is a ready-to-run service in SAP Analytics Cloud which enables predefined pivot-styled analysis of SAP BW queries. All SAP BW queries provided by the SAP BW Live connection can be accessed directly in the Select Data Source dialog without the need of an existing SAC remote model.

The content will be imported to Public/Analytic Designer Folder.

Last Update: Release 2019.15

Import Close

- Future Direction

- Display data in charts
- Custom adjustments

## SAP Analysis for Microsoft Office / Add-ins

### SAP Analysis for MS Office

- Stand-alone edition for SAP Analytics Cloud
- Support for Live models (HANA, BW) Release 2.8



### SAP MS Office Add-ins

- Multidevice/Platform Support
  - MS Excel 365 'online' version
  - Integrated in MS Appstore
  - Excel on MAC

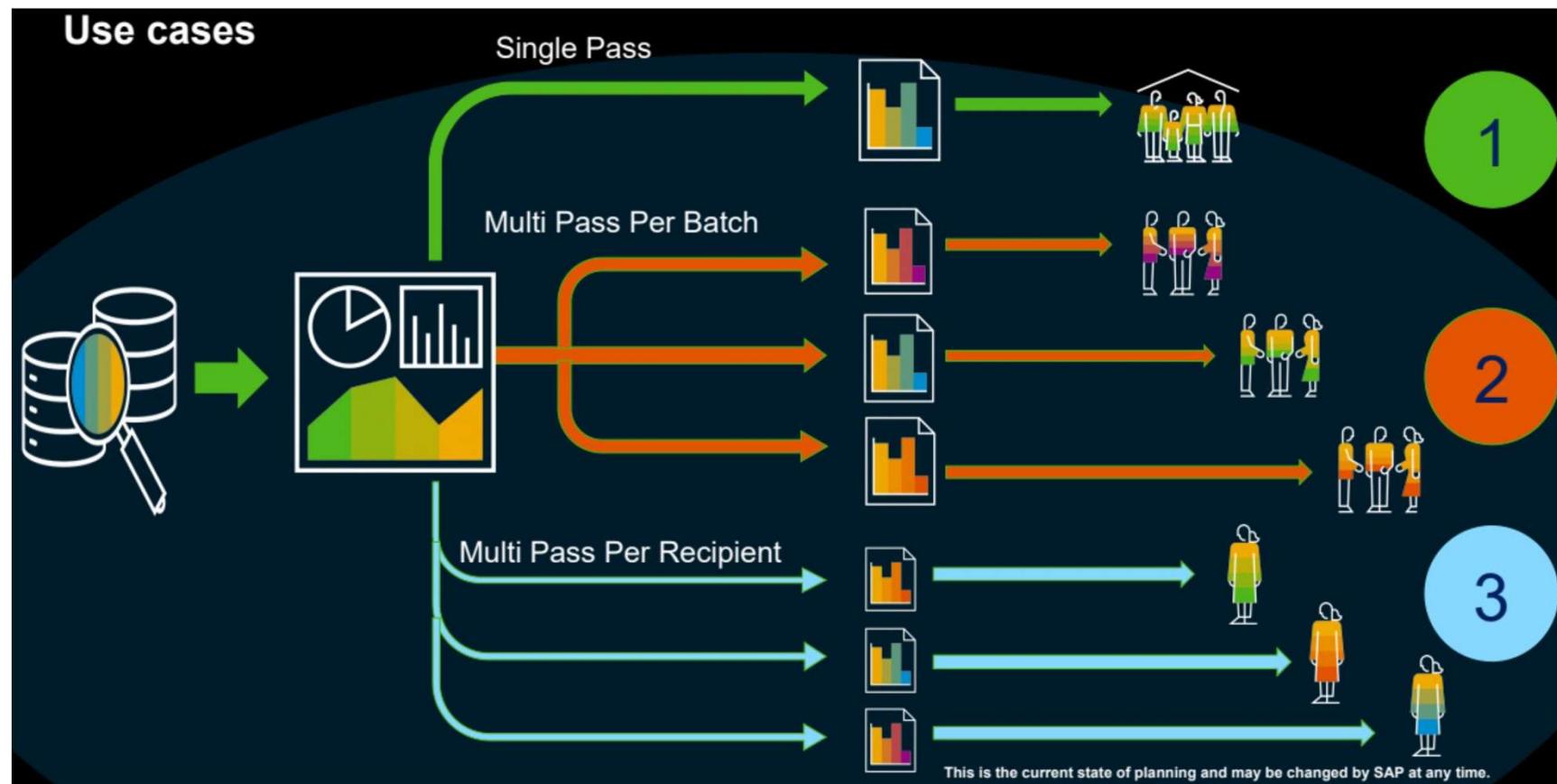
### ▪ Start of Restricted Beta Q4 2019

- Analytics workflow supported
- Pivot data from import models

### ● Future Direction

- Integration into SAP Analytics Cloud repository
- Support new sources such as SAP Datawarehouse Cloud

## Schedule Publication (Beta)



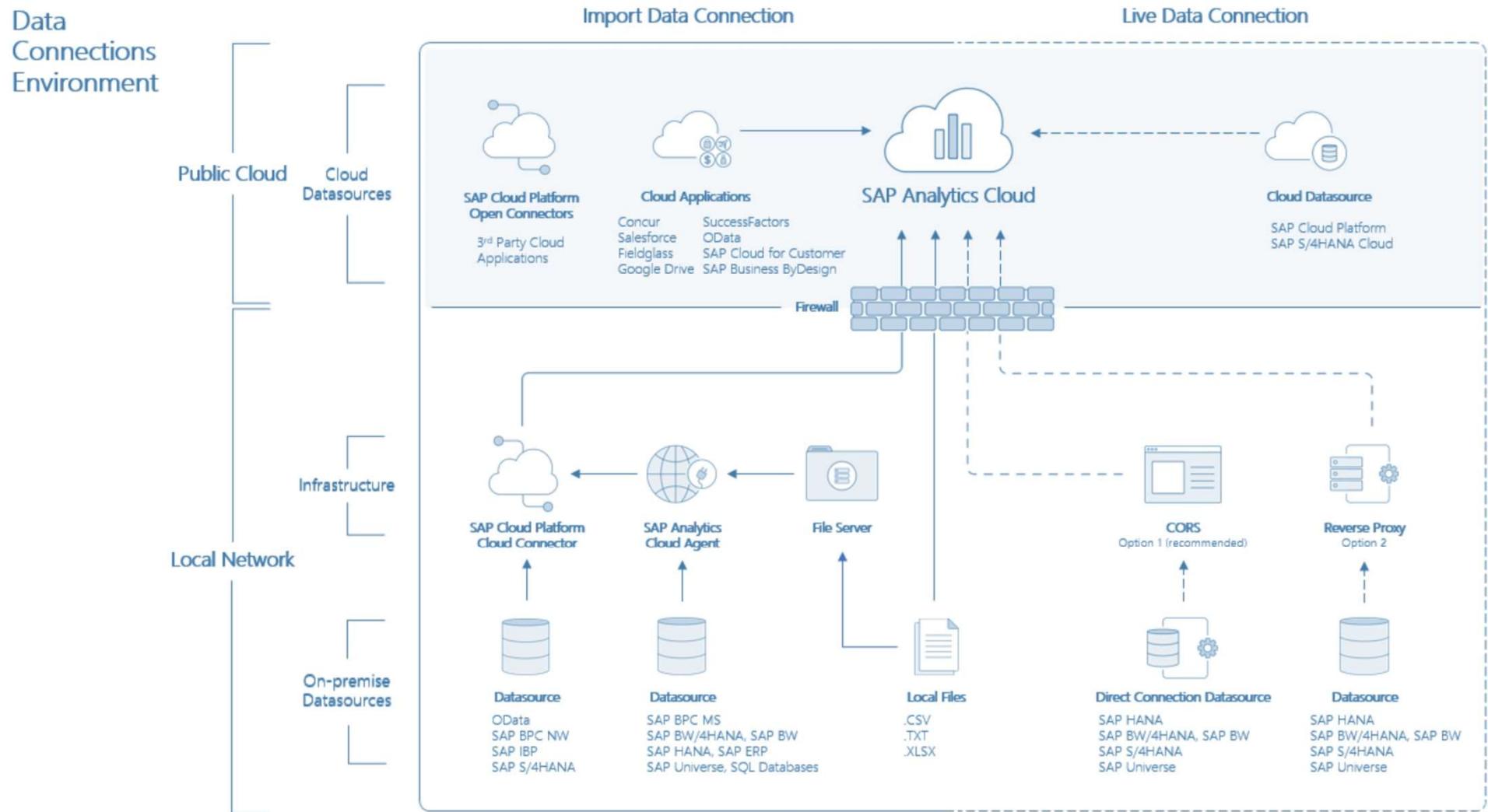
## Data Connectivity Types

### Live Connection

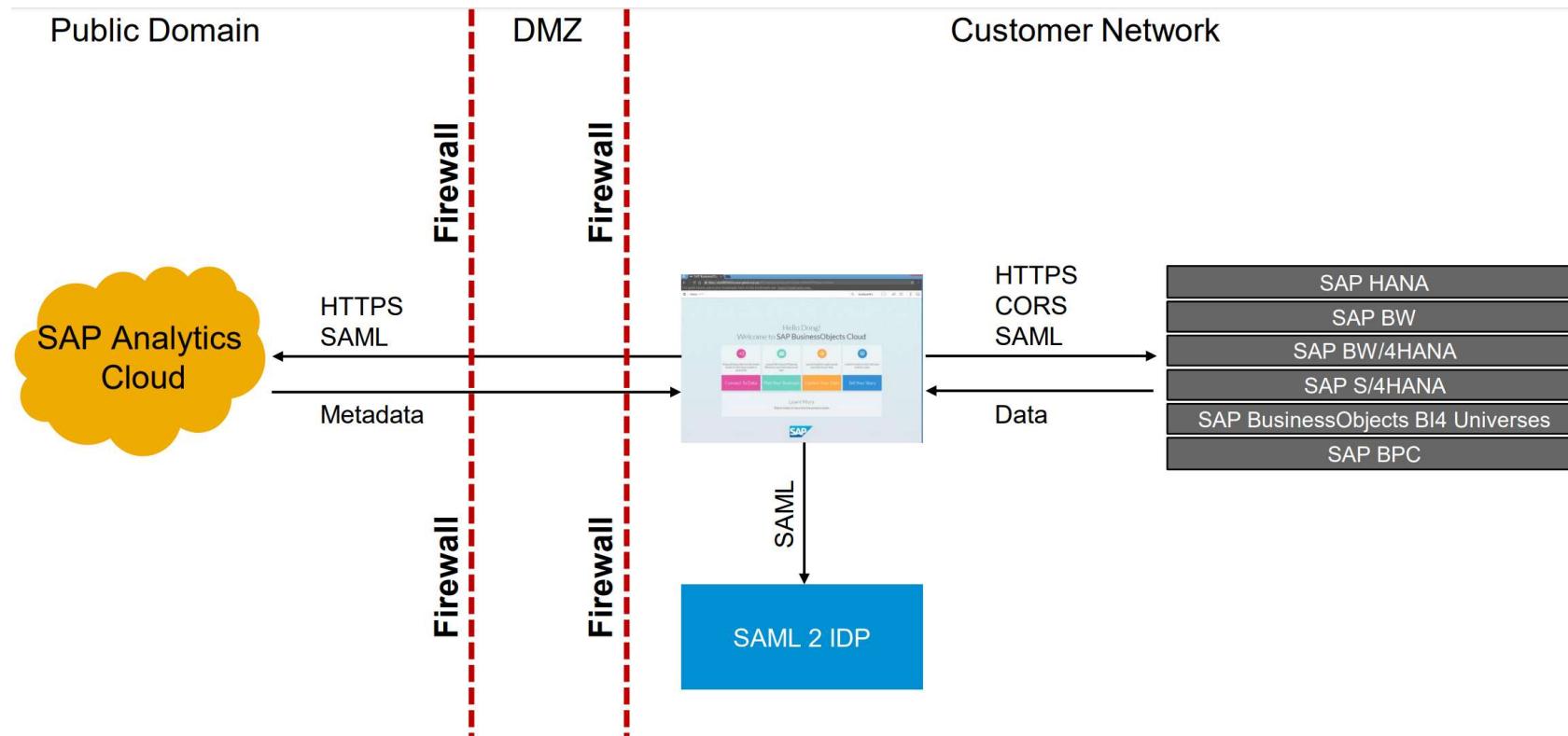
- Perform analysis without data replication
- Confidential data stays in customer landscape
- Data security implemented in the source system is respected
- Leverages existing investments built in source systems
- Complex data modelling is performed centrally by IT
- Low latency – near real-time
- End-to-end SSO accomplished via SAML 2.0

### Import Connection

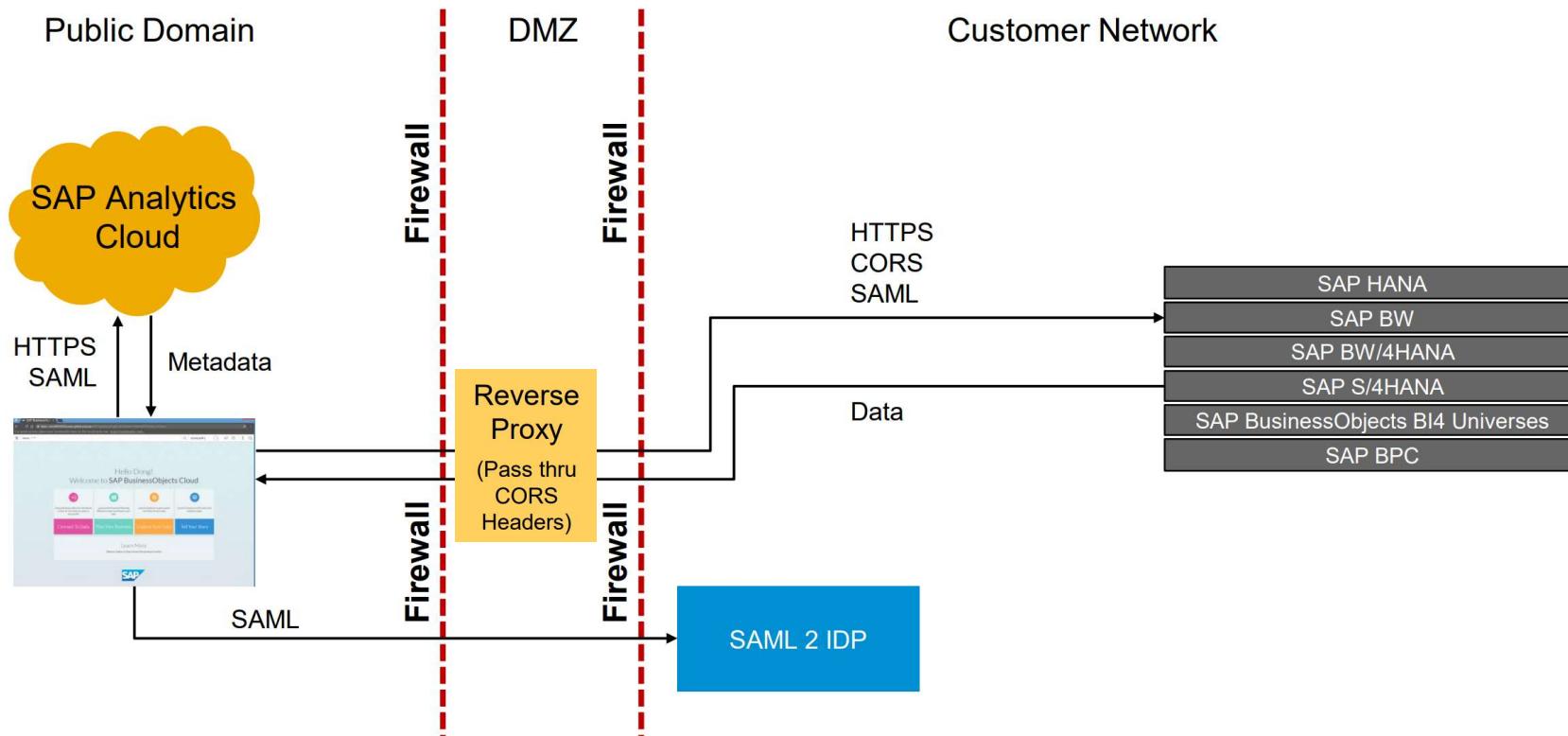
- Data is imported into SAP Analytics Cloud
- Leverages capabilities such as Planning and Smart Assist
- Best for data preparation and data blending scenarios
- Scheduled data replication



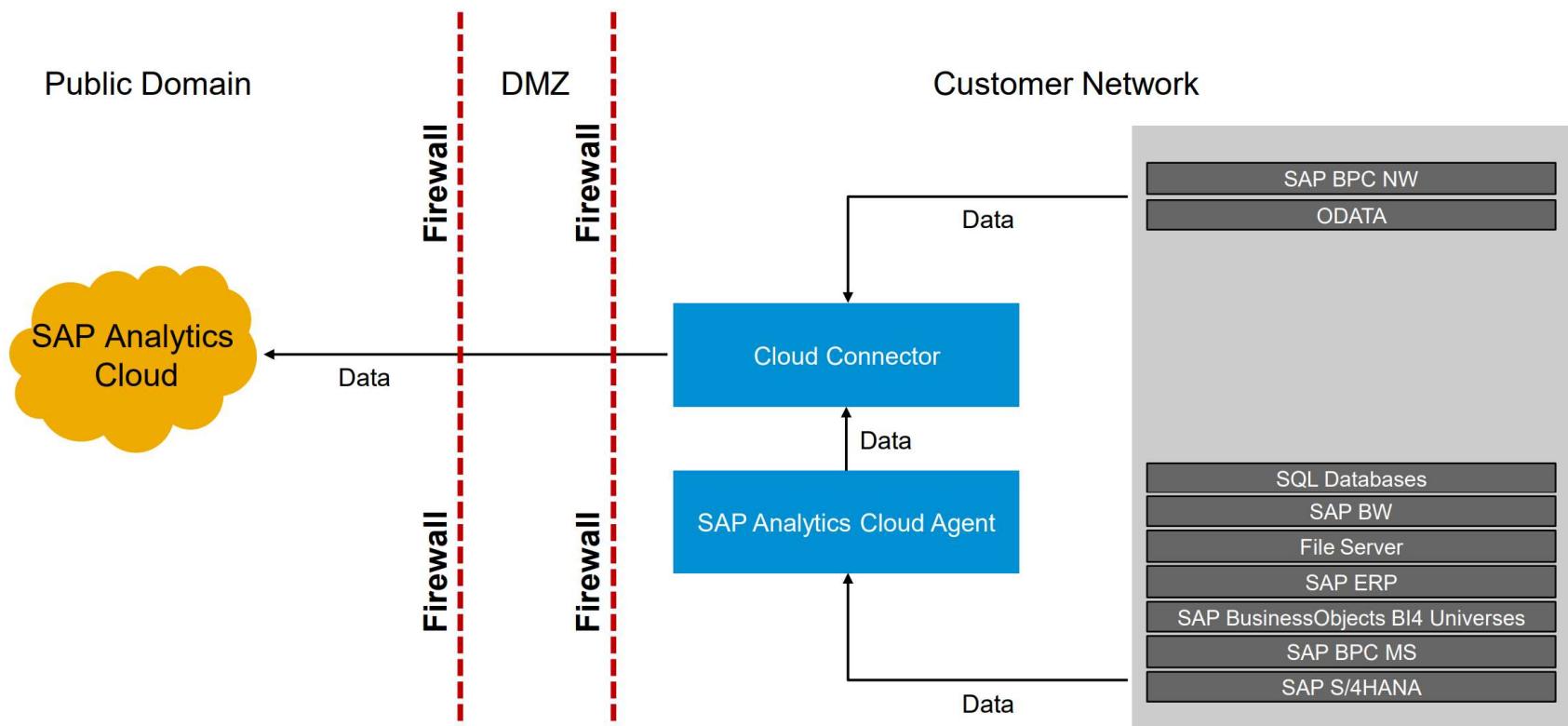
## Live Connection



## Live Connection - Public



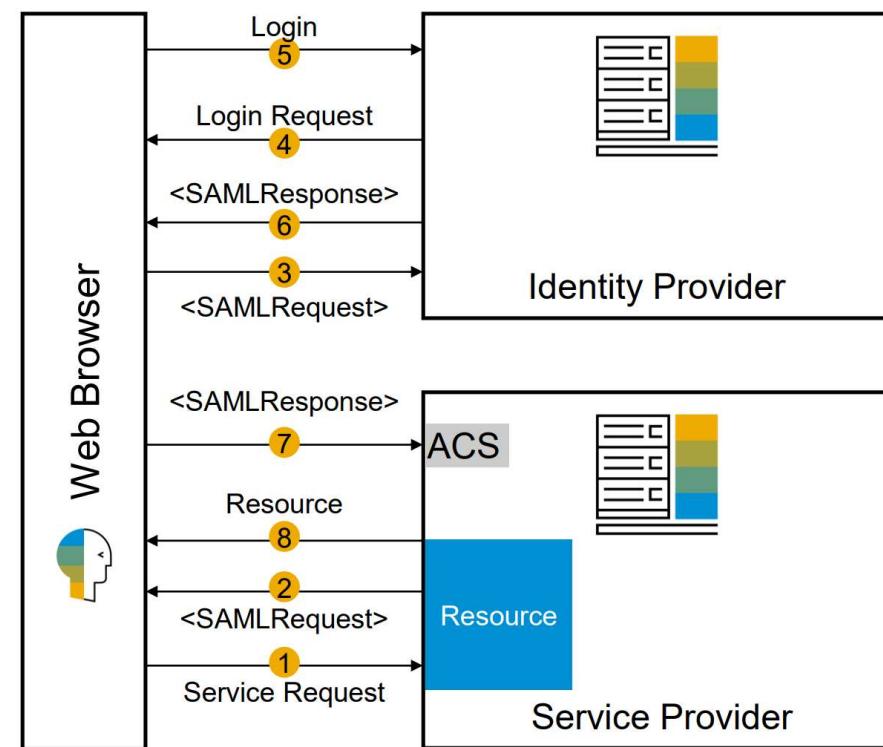
## Import Connection



## Authentication

### Setup end-to-end SAML SSO:

- SAP Analytics Cloud supports SAML 2.0
- Leverage your existing Identity Provider (IDP)
- Implement SSO using SAML 2.0 to supported data sources like HANA, BW and Universes



## Authorization

### Mapping teams & roles

- Access to content is managed via Teams
- Roles define Application Rights
- Manage both via IDP by mapping to groups using SAML 2.0



### Implement Dynamic User Creation

- Just-in-time user provisioning
- Minimize the maintenance effort

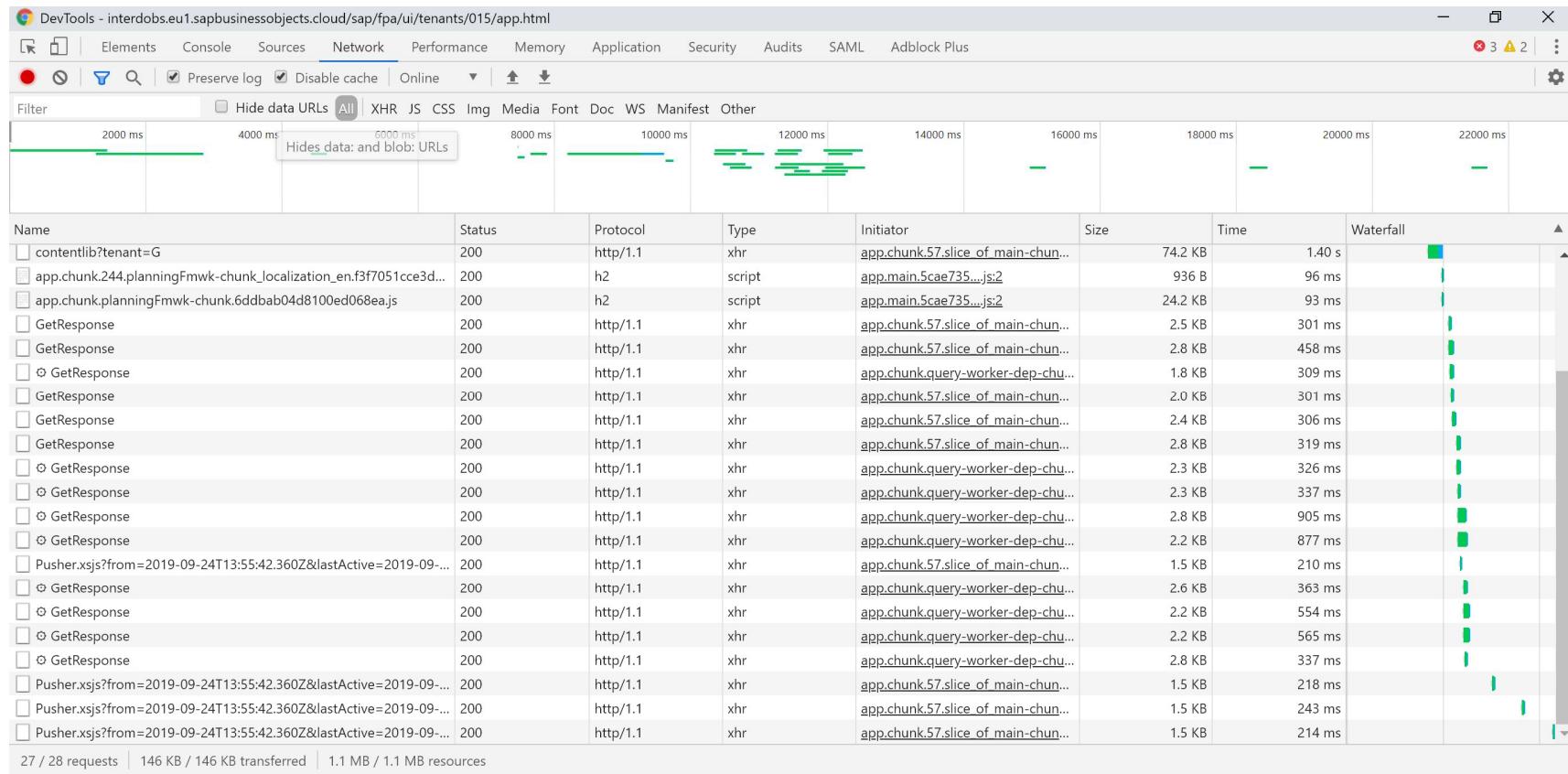
## Who do you need?

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### Depending on the scenario:

- SAP Analytics Cloud Administrator / System Owner
- SAP BW / HANA Administrator
- Network Security Administrator (for signed SSL Certificates)
- SAML IDP Administrator
- SAP BusinessObjects BI Platform Administrator

## Troubleshooting



## Troubleshooting: SAML

DevTools - philips-lighting.eu1.sapanalytics.cloud/sap/fpa/ui/tenants/013/app.html

Elements Console Sources Network Performance Memory Application Security Audits **SAML**

Path	Method	Status
<a href="https://login.microsoftonline.com/75b2f54b-feff-400d-8e0b-67102edb9">https://login.microsoftonline.com/75b2f54b-feff-400d-8e0b-67102edb9</a>	POST	200
<a href="https://login.microsoftonline.com/75b2f54b-feff-400d-8e0b-67102edb9">https://login.microsoftonline.com/75b2f54b-feff-400d-8e0b-67102edb9</a>	POST	200
<a href="https://authn.hana.ondemand.com/saml2/sp/acs/ae01fd38b/ae01fd38b">https://authn.hana.ondemand.com/saml2/sp/acs/ae01fd38b/ae01fd38b</a>	POST	200
<a href="https://sapanalytics.cloud/">https://sapanalytics.cloud/</a>	POST	302

SAML Request Response

```

<?xml version="1.0" encoding="UTF-8"?>
<Conditions>
<AttributeStatement>
<Attribute Name="http://schemas.microsoft.com/identity/claims/tenantid">
<AttributeValue>75b2f54b-feff-400d-8e0b-67102edb9a23</AttributeValue>
</Attribute>
<Attribute Name="http://schemas.microsoft.com/identity/claims/objectidentifier">
<AttributeValue>31670ce4-4bdd-48ff-a27c-87c32a31cf10</AttributeValue>
</Attribute>
<Attribute Name="http://schemas.microsoft.com/identity/claims/identityprovider">
<AttributeValue>https://sts.windows.net/75b2f54b-feff-400d-8e0b-67102edb9a23</AttributeValue>
</Attribute>
<Attribute Name="http://schemas.microsoft.com/claims/authnmethodsreferences">
<AttributeValue>http://schemas.microsoft.com/ws/2008/06/identity/authenticationmethod/password</AttributeValue>
</Attribute>
<Attribute Name="http://schemas.lighting.com/ws/2005/05/identity/claims/extensions">
<AttributeValue>martijn.van.foeken@lighting.com</AttributeValue>
</Attribute>
<Attribute Name="Groups">
<AttributeValue>17ba8379-6473-4b83-aaa2-5867cdaf3da6</AttributeValue>
<AttributeValue>ab302b54-09a6-4884-ac23-af04f9d91704</AttributeValue>
<AttributeValue>2bc916e2-b68c-40fc-a1eb-16770808dd2b</AttributeValue>
<AttributeValue>25e7f9e9-b2f3-4d81-9425-88d135c4a230</AttributeValue>
<AttributeValue>17321ee4-9b4c-45e5-9949-6a2a1c5ad77f</AttributeValue>
<AttributeValue>843cd64f-8616-462c-8e1f-17096444a34f</AttributeValue>
<AttributeValue>e23ea9f6-40ea-4948-a975-018b0d0de3f8d</AttributeValue>
<Attribute><Value>24fd4110-79c1-4089-9a9h-491dfh7cda72</Value></Attribute>

```

## Recommendations

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1. Setup both live and import connections infrastructure.
2. Make sure you get the right people involved.
3. Check version prerequisites (BW, HANA, BI Platform).
4. Look at restrictions in some scenario's

Use this wiki as a starting point: <https://wiki.scn.sap.com/wiki/display/BOC/SAP+Analytics+Cloud>



## Questions?

A large, semi-transparent graphic of a man in motion, wearing a suit, is overlaid on the slide. He appears to be running or jumping. The background behind him is a grid pattern with binary code (0s and 1s) visible through it.

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