

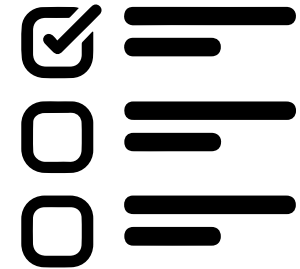
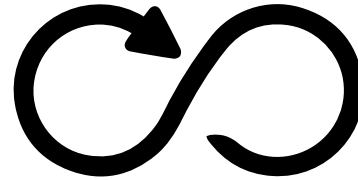
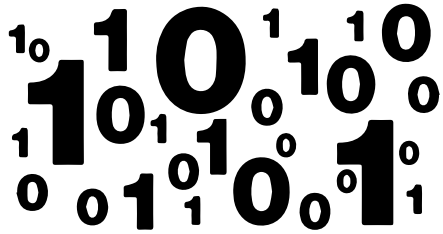


# SAP BW/4HANA

## Next Generation Data Warehouse

Simon Iglesias  
Internal  
Analytics Solution Sales

# New Reality: A Data Tsunami



**Volume** – exponential data growth, insanely large amounts

**Velocity** – real-time, constant feeds, sensor data, social media

**Variety** – from structured to highly unstructured

**Traditional EDW / data management no longer sufficient**



## A New Approach is Required



### Next Generation DW is Essential

Digitization of everything and the increase in the number of data producers are driving greater demand in data capture, management, and analysis software.”

---

IDC



### More Data and Greater Expectations are Driving IT

Managing and processing internal and external data of diverse types in diverse formats, in combination with data from traditional internal sources.”

---

Gartner

# The Only Complete Solution To Run, Analyze & Manage Your Business

**SAP**<sup>®</sup> BusinessObjects<sup>™</sup>

SAP S/4HANA

Operational Reporting



Speed + Business Content

SAP BW/4HANA

Historical Analysis

= Real-Time Analytics of All Your Data

SAP HANA PLATFORM



Logical Data Warehouse



Internet of Things



Data Lakes

# What Makes SAP BW/4HANA Unique



## Simple

Flexibility to  
respond fast to  
changing business



## Open

Streamline data  
from any system,  
any format



## Modern

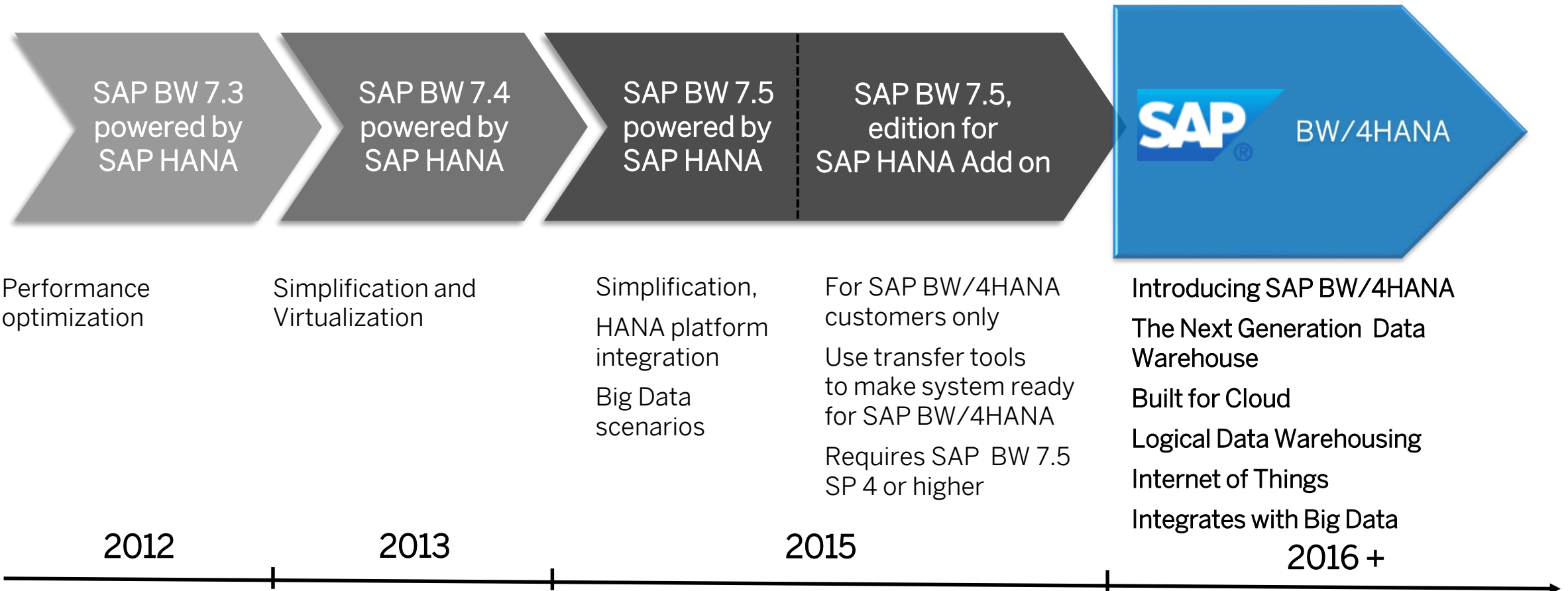
Business user  
self-service



## Fast

Analyze huge  
amounts of data in  
real-time

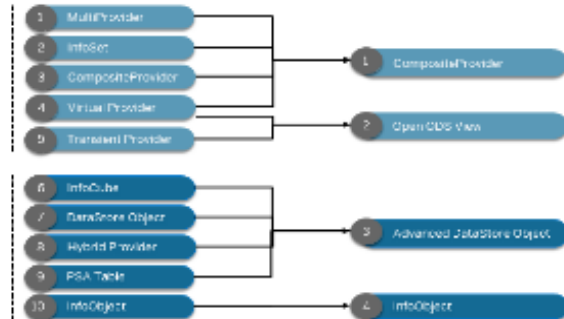
# SAP BW/4HANA – The Next Generation Data Warehouse



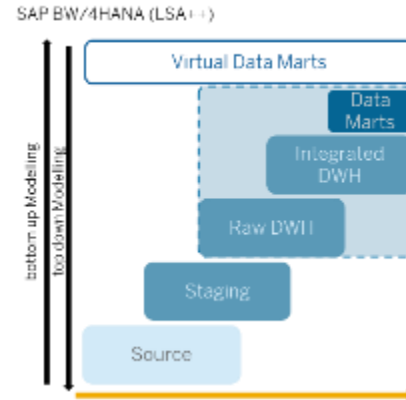
# SAP BW/4HANA: Simple

*Running SAP BW came with a heavy cost of ownership, so we...*

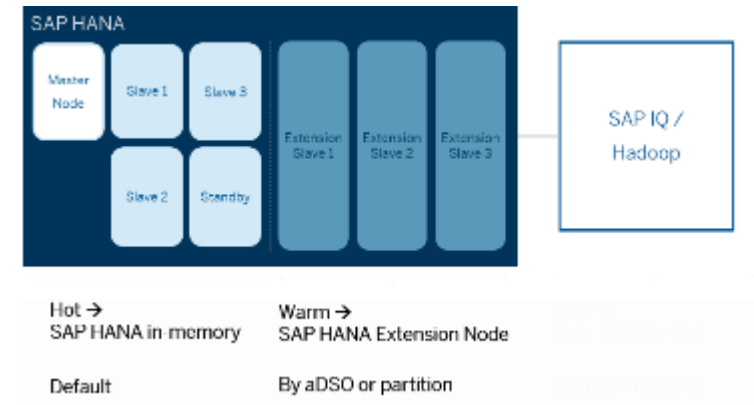
## Reduced Number of Modelling Object Types



## Simplified Data Flows



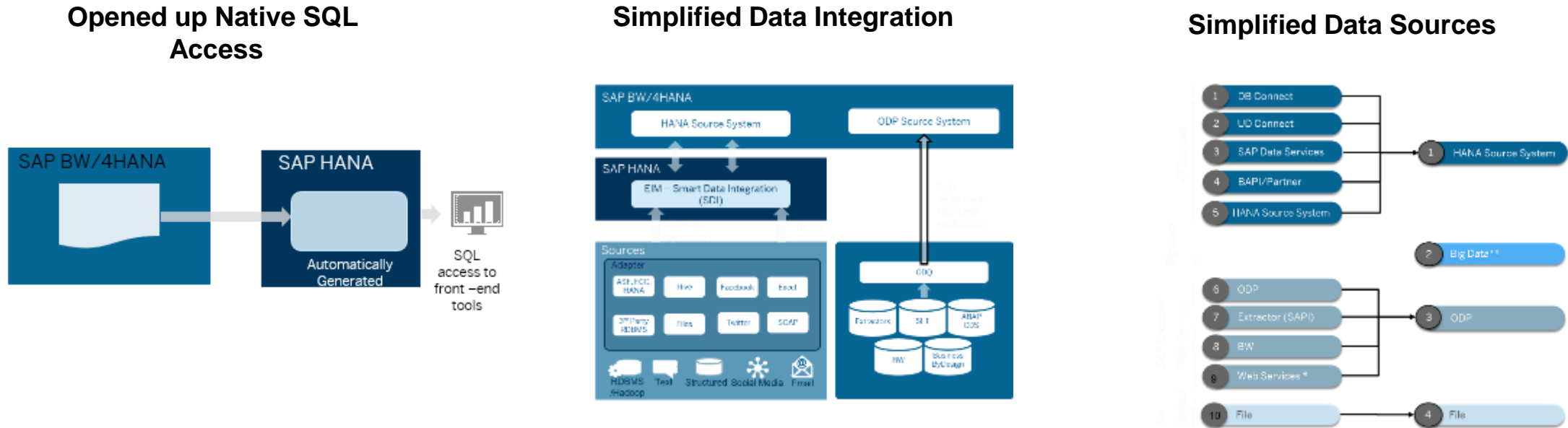
## Automated Tiered Data Storage



**SAP BW/4HANA easier for customers to manage**

# SAP BW/4HANA: Open

*SAP BW has generally been fairly closed with data, so we...*



**SAP BW/4HANA is built for customers to use SAP and non-SAP use cases**



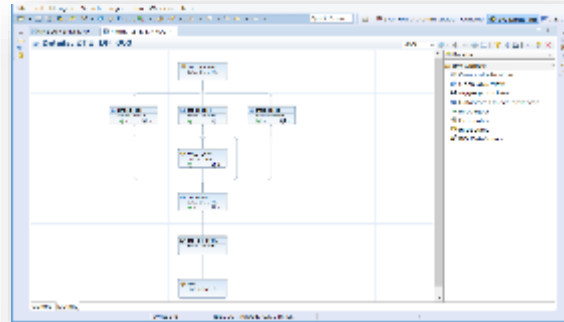
# SAP BW/4HANA: Modern

*SAP BW felt like a legacy product, so we...*

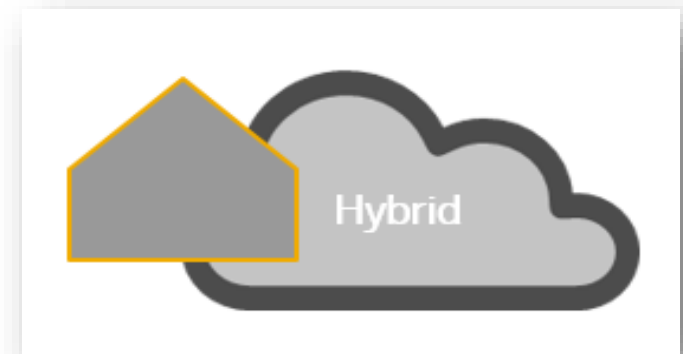
**Improved User Experience with  
New BI tools**



**Improved development and  
administration experience**



**Offer New Deployment  
Options**

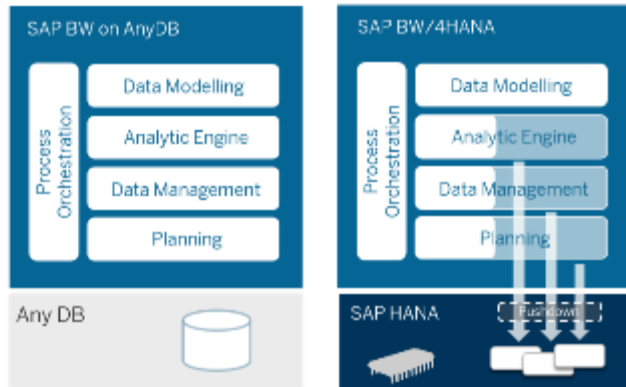


**SAP BW/4HANA a modern, next generation data  
warehouse**

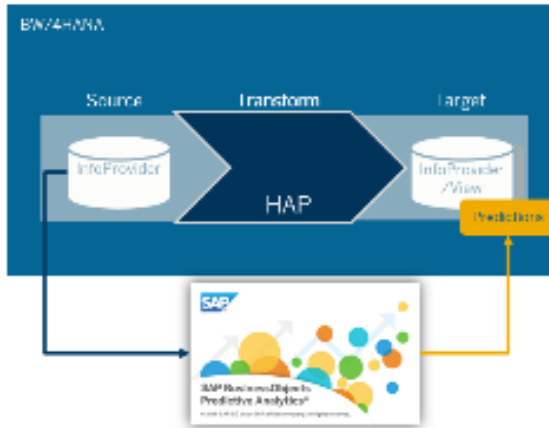
# SAP BW/4HANA: Fast

*SAP BW has never been agile, so we...*

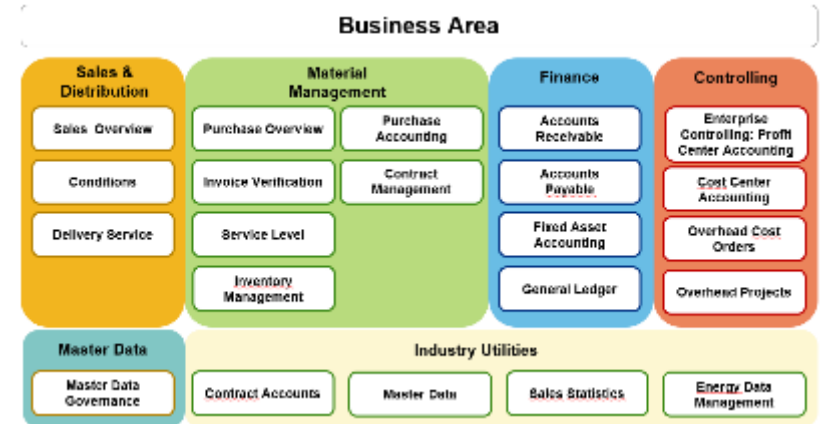
**Built it specifically  
for SAP HANA for speed**



**Integrate with Predictive  
to meet new needs**

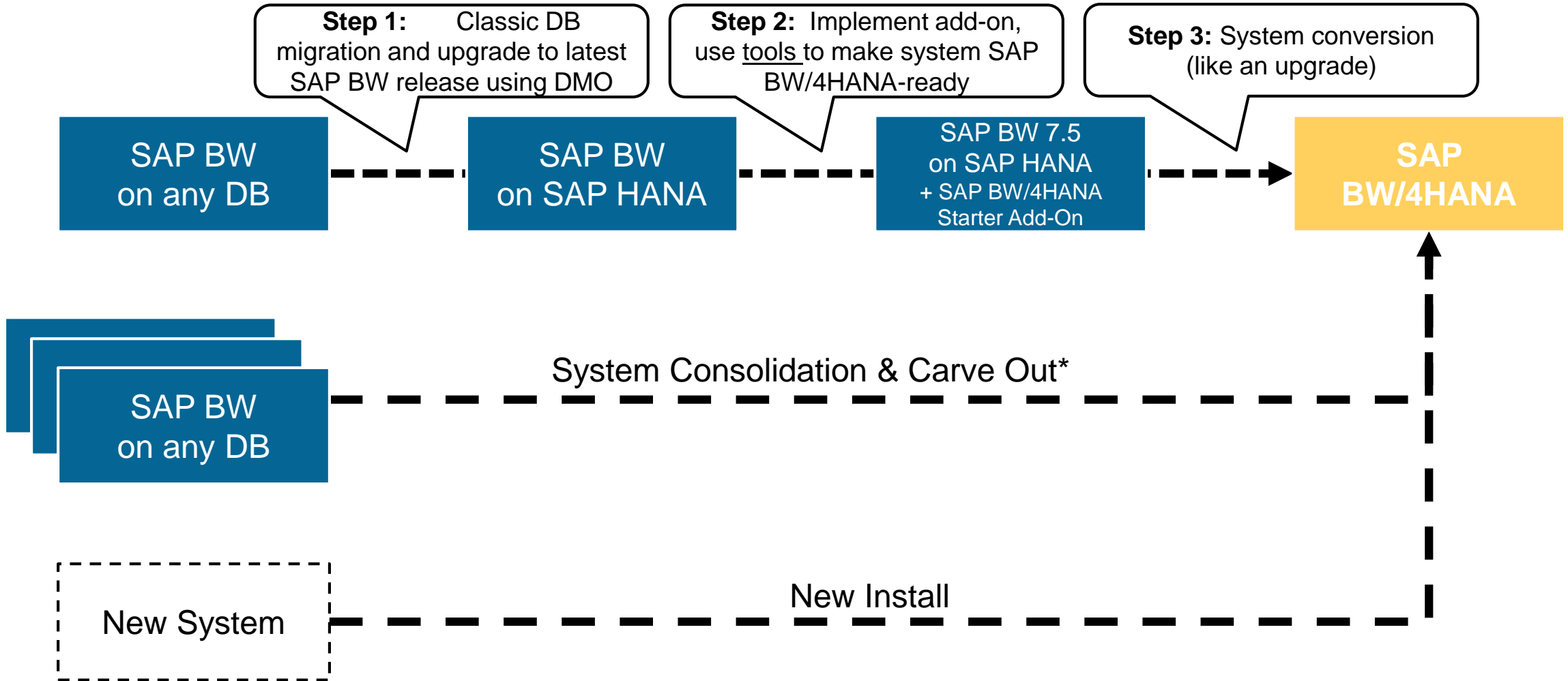


**Deliver content to hit the  
ground running**



**SAP BW/4HANA is faster and can meet the  
changing user requirements**

# Paths to SAP BW/4HANA



# BW/4 vs. BWonHANA

Differentiation (*study this [document](#) for further explanation*)

## Key Differentiator

### Simplified Modelling Objects and Source System Types

With BW/4HANA, the number of modelling objects in the system is reduced from 10 to 4 and the number of source system types also from 10 to 4.

### Modern UI

BW/4HANA provides an easy-to-use Eclipse based tool which introduces a new paradigm for dataflow modelling.

### Effortless Data Tiering

Data Tiering Optimisation (DTO) automates data tiering across object partitions.

### Easy Integration of Big Data Scenarios

BW/4HANA provides the seamless integration of Big Data scenarios through a dedicated source system type.

### Roadmap

The innovation codeline

## Key Business Value Driver

### Development Productivity, Faster Time to Value for the Business

Customers no longer need to worry about closely governing every dataflow to ensure HANA-optimised objects are used. Easy dataflow governance and modelling is key to the BW/4HANA vision, increasing development productivity and providing faster time to value.

### Development Productivity, Faster Time to Value for the Business

Next Generation UI which is very responsive, intuitive, and easy to use. Feedback from early adopting customers shows a reduction in development effort by 50% or more resulting in both business productivity benefits and IT productivity benefits.

### IT Cost Reduction, Development Productivity

DTO significantly reduces the development and administration effort usually associated with data aging. This reduces the overall Total Cost of Ownership (TCO).

### New Capabilities

By expanding the scope of the data warehouse through big data scenarios, BW/4HANA can provide new and valuable business insights.

### Development Productivity, Faster Time to Value for the Business, New Capabilities, Support Costs

BW/4HANA will continue to deliver new features according to the BW/4HANA roadmap. These features are specific to BW/4HANA and will include business productivity benefits, IT productivity benefits and improve overall TCO. BWonHANA is in maintenance mode since end of Q3 2016 and no new innovations will be added going forward.

## Real Business Value:

# “New Analytic Platform to a Constantly Changing Business”



**3 MONTHS**

From nothing to productive system

**<1 HOUR**

Upscale from 244gb to 2tb system using AWS

**50%**

Reduction in end to end development time

**10x**

Average report execution time improvement

# Analytics for SAP BW/4HANA

## Unique Advantages



### End-to-end, modern analytics

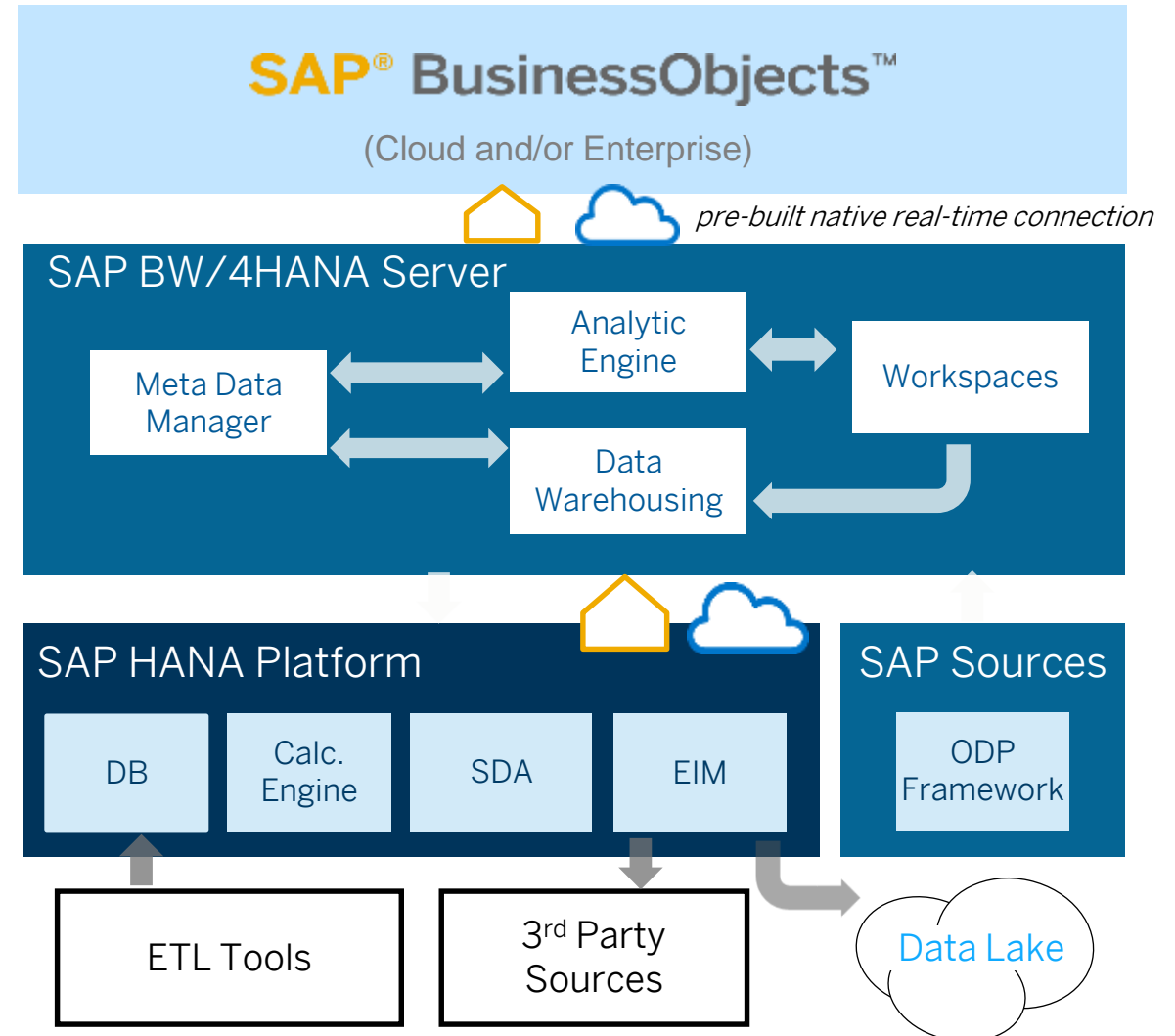
- Complete solution for all analytic use cases – Business Intelligence, Planning, and Predictive

### Native real-time access

- Support of all specific features and advanced capabilities of SAP BW/4HANA through optimized interfaces and protocols
- Pre-built native real-time connection (no data replication)
- Delegate calculations, leveraging the power of SAP HANA

### Pre-built Business Content and Templates

- SAP BW/4HANA - FI, CO, MM, SD, Utilities
- SAP BusinessObjects Cloud – selected industries \*
- SAP BusinessObjects Design Studio and Lumira 2.0 \*
- SAP BusinessObjects Planning and Consolidation \*





# Appendix

# More Information about SAP BW/4HANA

## SAP BW/4HANA Landing Page

<http://sap.com/bw4hana>

## SAP BW/4HANA Community – Product Page

<http://sap.com/bw4hana10>

## SAP BW/4HANA Documentation

<http://help.sap.com/bw4hana10>

## Why #BW/4HANA?

<http://scn.sap.com/community/bw-hana/blog/2016/09/05/why-bw4hana>

## SAP BW/4HANA FAQ


<http://go.sap.com/documents/2016/08/c4458a08-877c-0010-82c7-eda71af511fa.html>

## SAP First Guidance – SAP BW/4HANA complete functional scope (CFS)

<http://www.sap.com/documents/2016/09/b001a9de-8a7c-0010-82c7-eda71af511fa.html>

## The Road to SAP BW/4HANA – Part 1 & 2

<https://blogs.saphana.com/2016/09/07/the-road-to-sap-bw4hana-part-1/>  
<https://blogs.saphana.com/2016/09/18/the-road-to-sap-bw4hana-part-2/>



**SAP BW/4HANA in a Nutshell**

Ulrich Christ and Gordon Witzel

November 8, 2016 - January 18, 2017

English

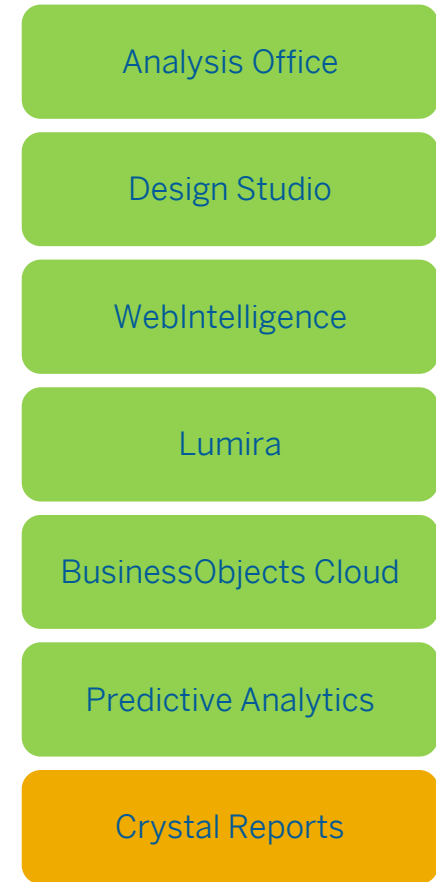
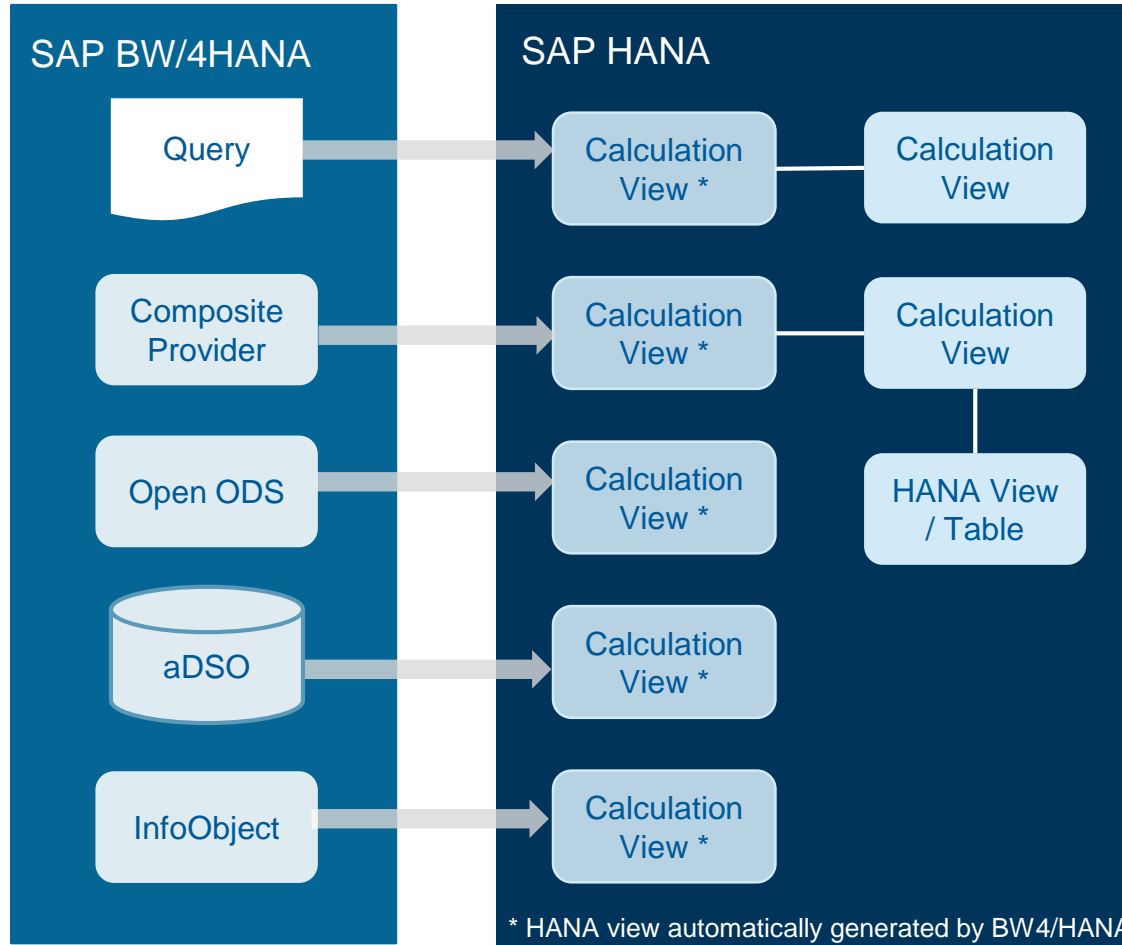
## SAP BW/4HANA in a Nutshell

- Starting November 8, 2016
- 4 Units – 2-3 hours in total
- Free Participation & Certification

<https://open.sap.com/courses/bw4h1>



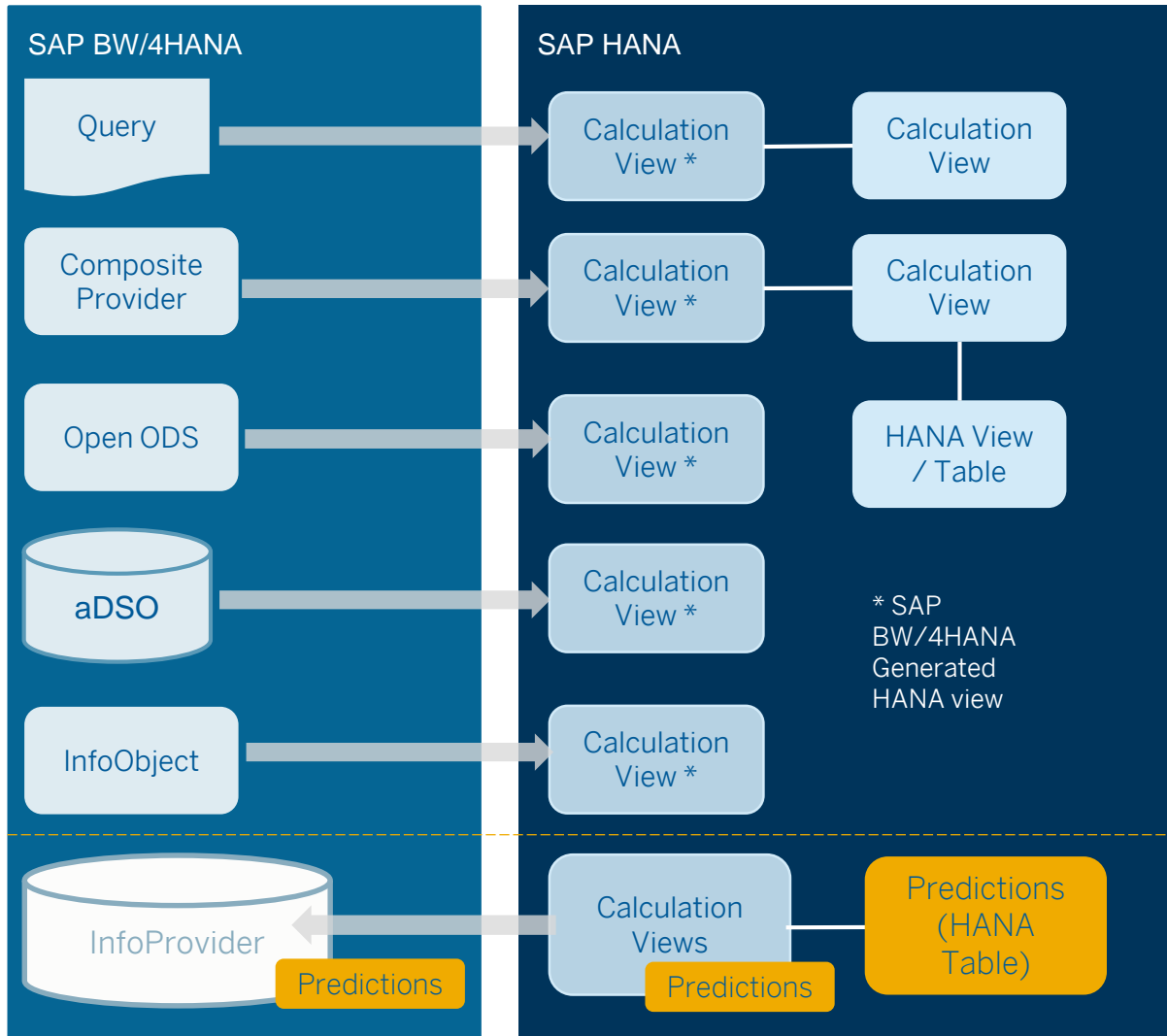
# Data Access Overview



<sup>1</sup> Online access planned for H1 2017

# SAP Predictive Analytics

## Added value of guided model creation & export to SAP BW/4HANA



Online connection

### SAP BusinessObjects Predictive Analytics

#### Automate Predictive Model Creation

- Connect online to calculation views.
- Create guided and expert predictive models based on existing data.

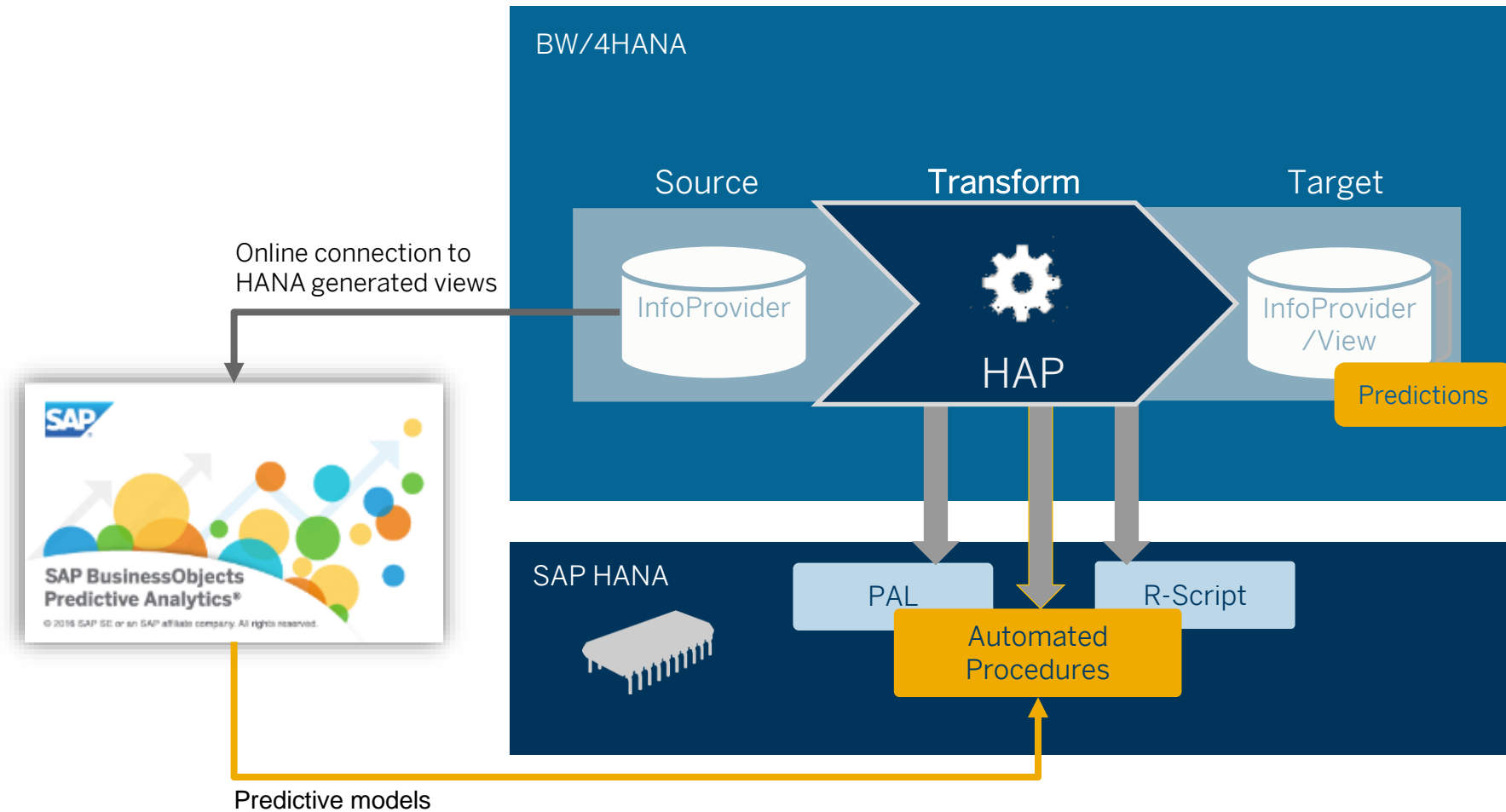


#### Easily Integrate Predictions in Operations

- Generate predictions in real-time or batch.
- Combine predictions with existing data to benefit BW/4HANA users.

Predictions

# Augment InfoProviders with Predictions





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