Archiving, Management and Analysis of SAP & external Data

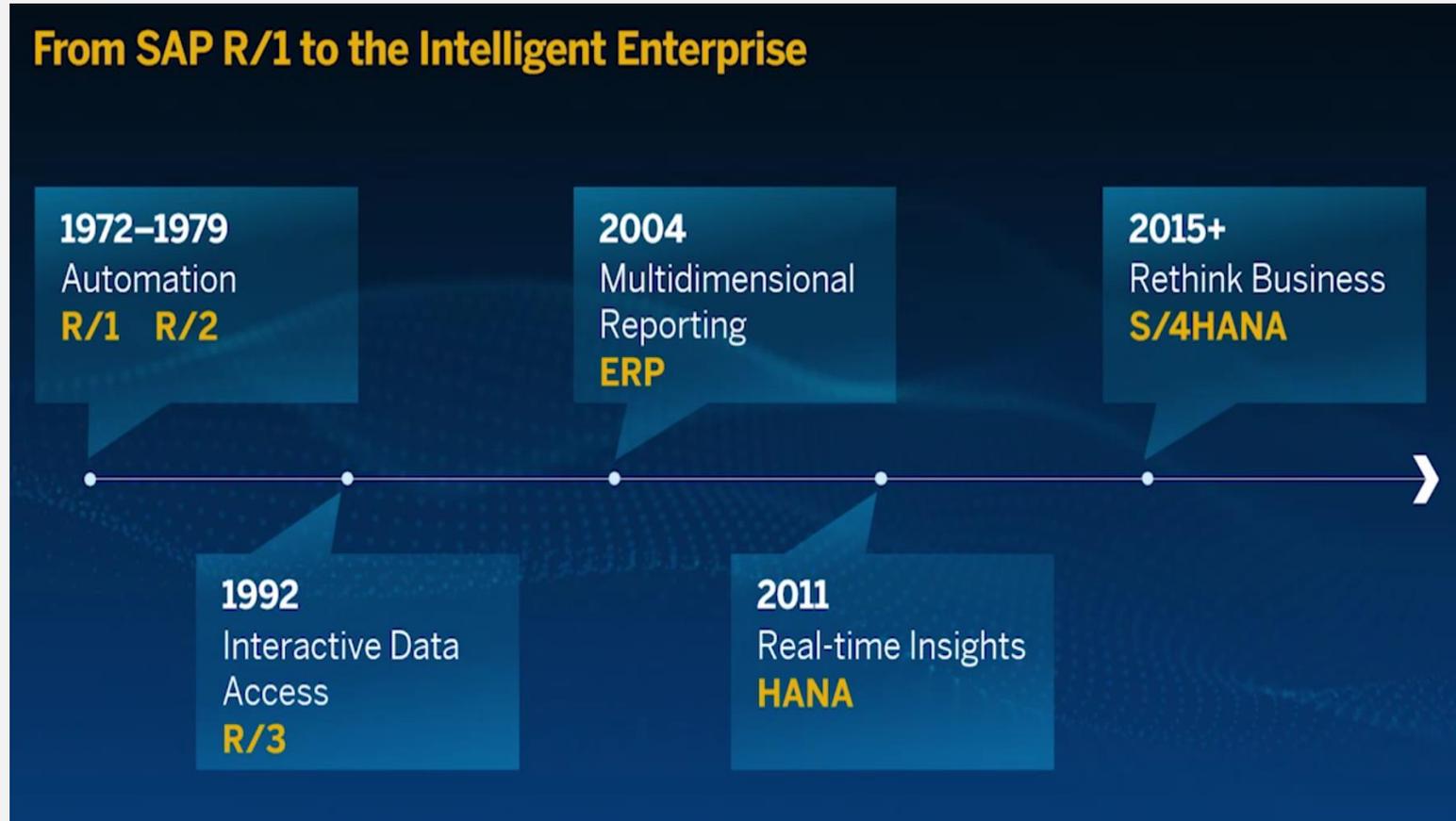Prof. Dr. Detlev Steinbinder, PBS Software GmbH

Agenda

- Influence Factors in the Software Market

- Snapshots SAPPHIRE NOW 2018

- PBS Solutions

- Roles of Data Archiving

- Data Management

- Data Analysis
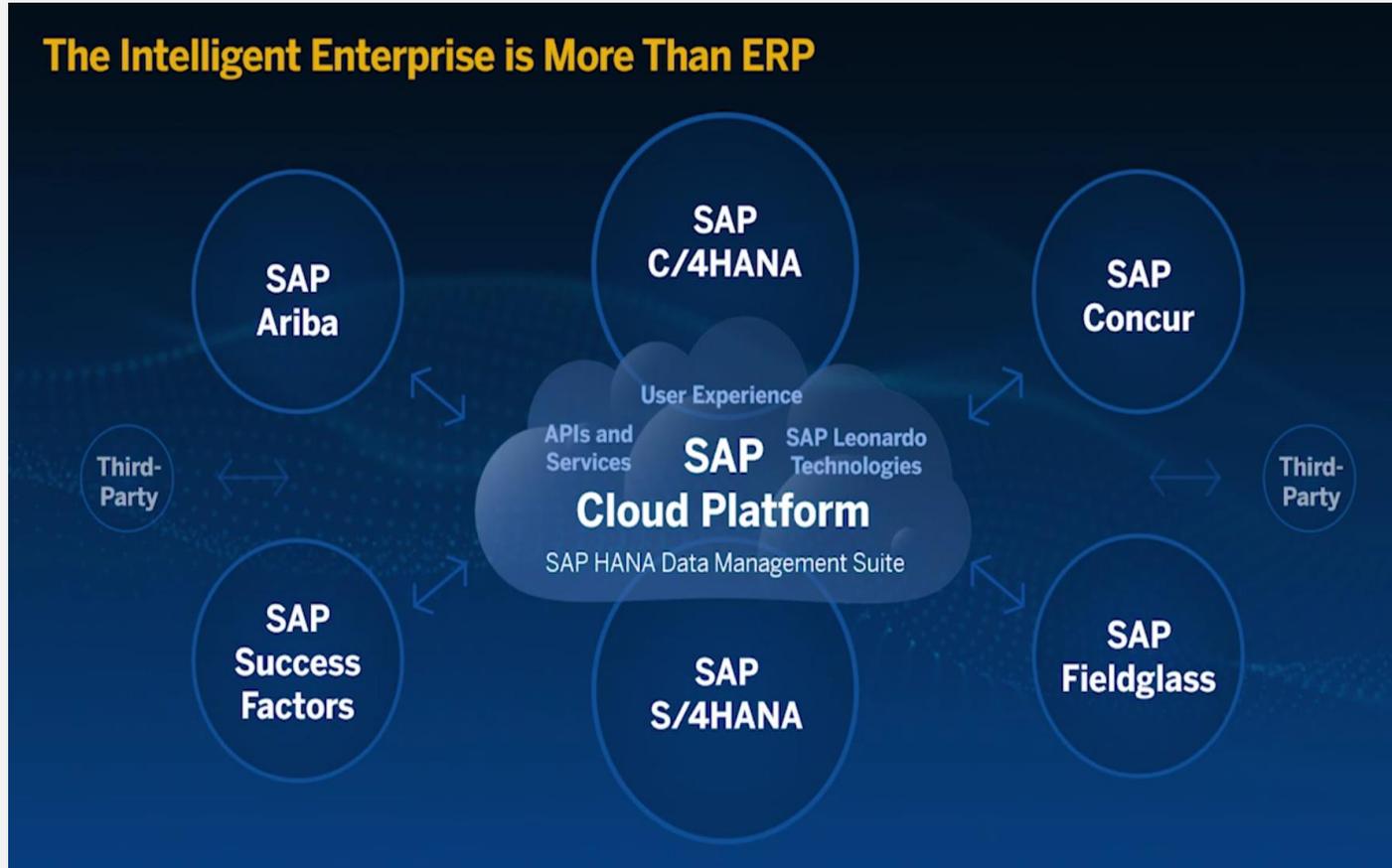
Influence Factors in the Software Market

- Explosive Data Growth

- Increasing Level of Dispersion

- Growing number of applications

- Artificial Intelligence/Automatization

- Technology Driver (Cloud Computing)

- Increasing regulatory Requirements
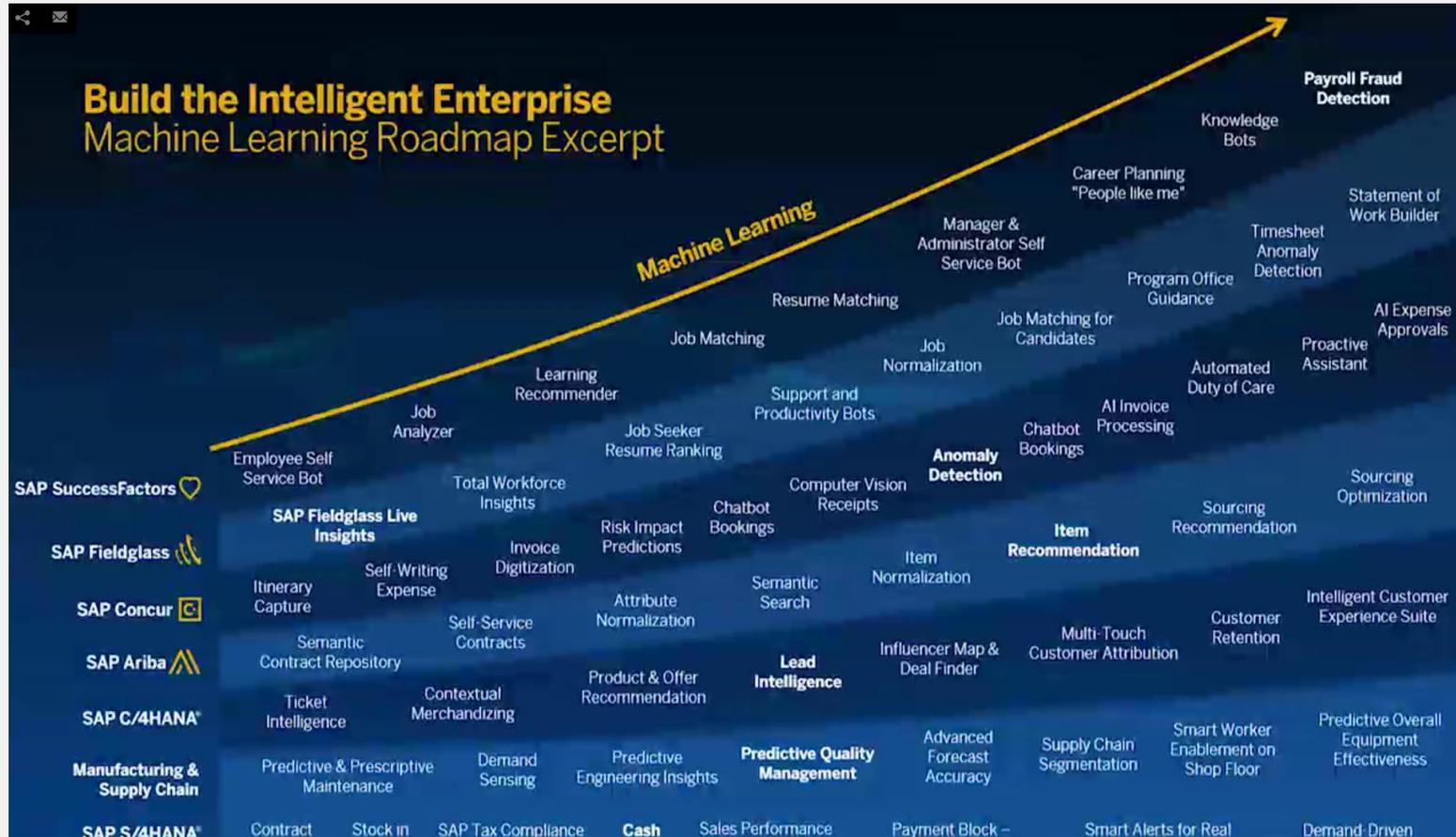
- Speed

Snapshots SAPPHIRE NOW 2018

Source: Keynote Hasso Plattner, SAPPHIRE NOW 2018

Snapshots SAPPHIRE NOW 2018

Source : Keynote Hasso Plattner, SAPPHIRE NOW 2018

Snapshots SAPPHIRE NOW 2018

Source : Keynote Hasso Plattner, SAPPHIRE NOW 2018

PBS Solutions

SAP Environment: Business Suite inkl. IS, S/4HANA, BW (AnyDB, HANA), BW/4HANA
On Premise, Cloud (see explanations)

PBS archive add ons			NAI Nearline Analytic Infrastructure
ContentLink (PCL)			OA4ERP (Operational Analytics)
CBW add ons BW			Enterprise Content Store (ECS)

+ Utilities: Database Analyzer Plus, GDPR Analyzer,
Archive Data Conversion, SE16_Personal, ...

Priorities PBS Product Development
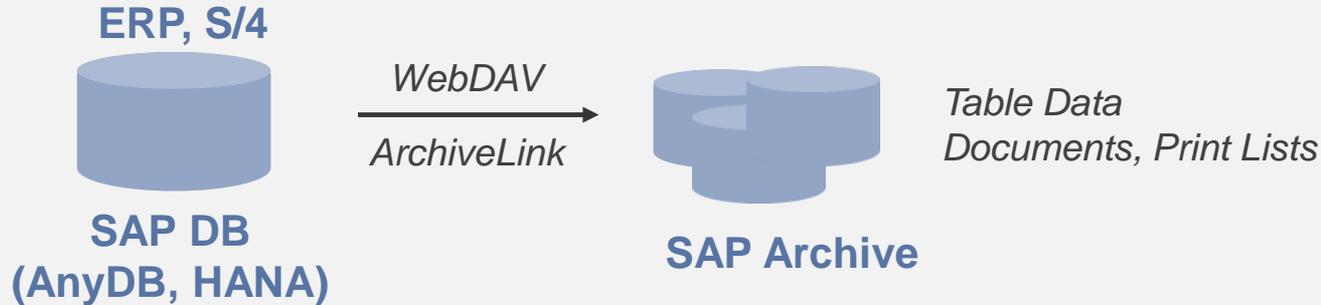
Migration to S/4HANA and BW/4HANA
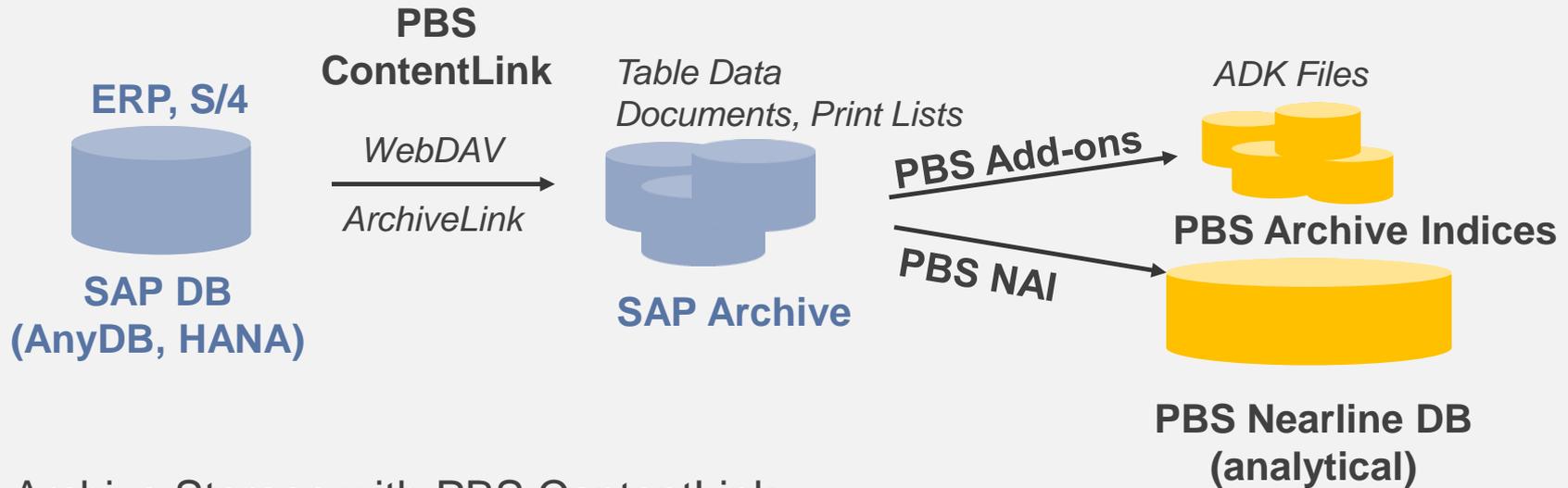
Conversion GDPR/GoBD

Data Management and Data Analysis

Roles of Data Archiving

ERP, S/4

WebDAV

ArchiveLink

**SAP DB
(AnyDB, HANA)**

SAP Archive

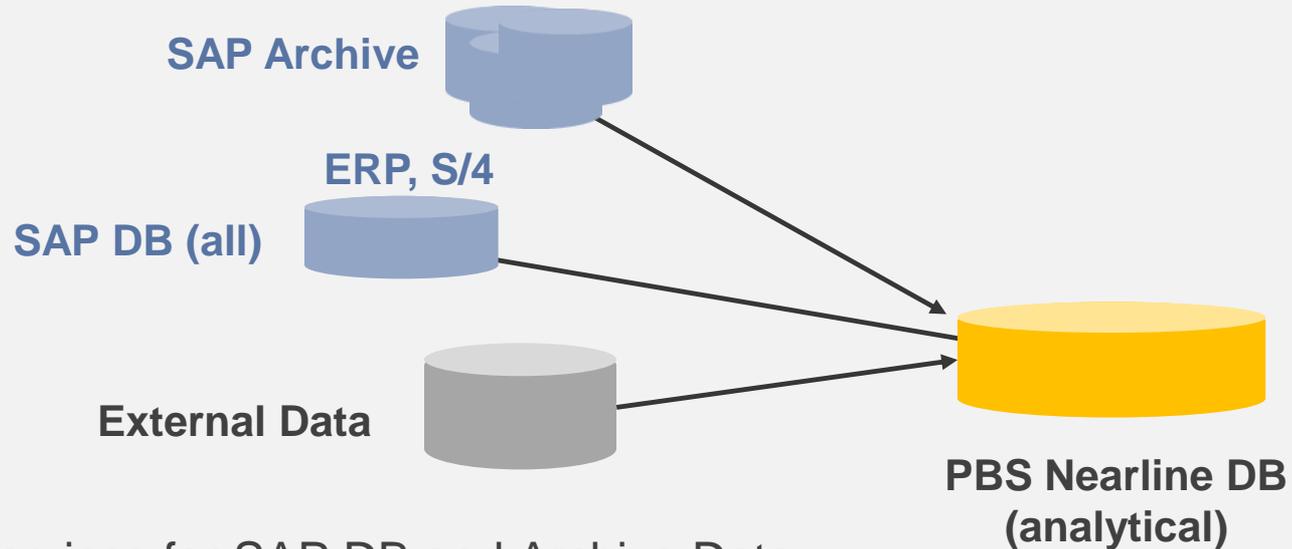*Table Data
Documents, Print Lists*

- Control the DB Growth
- Compliance with Regulations for Data Retention
- GDPR Key Feature → enables Deletion of DB Data
- Management of Retention Periods only via Archive Data (ILM-RM)
- Support lean DB Migration to S/4 → no Archive Migration necessary
- Cost Reduction Measure

Data Management I

ERP, S/4

PBS ContentLink

WebDAV

ArchiveLink

SAP DB (AnyDB, HANA)

Table Data Documents, Print Lists

SAP Archive

PBS Add-ons

PBS NAI

ADK Files

PBS Archive Indices

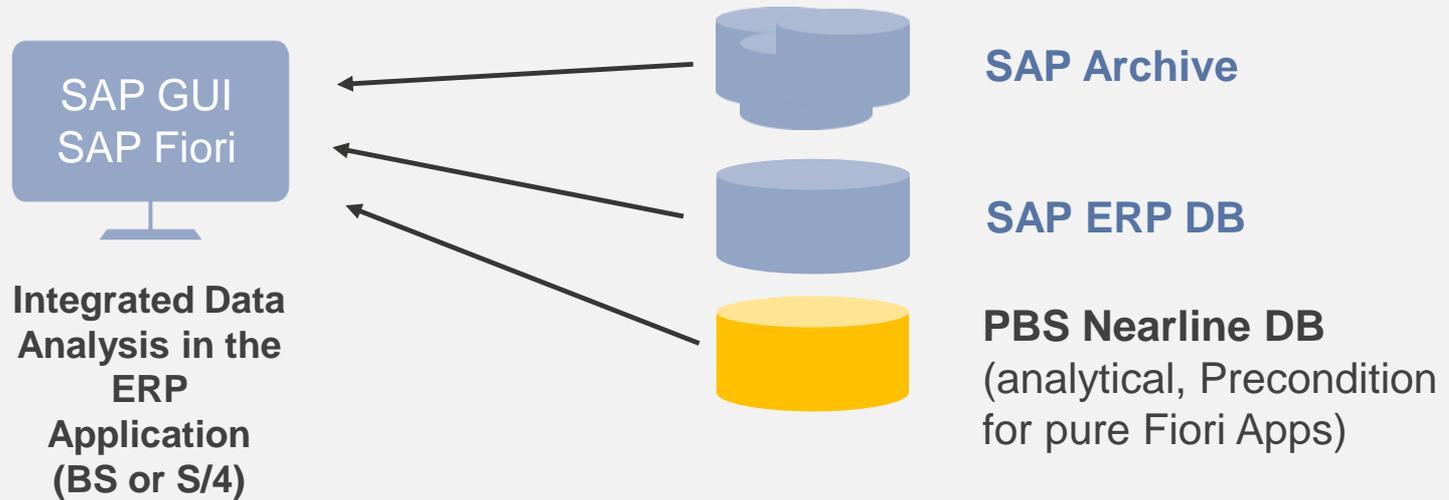**PBS Nearline DB (analytical)**

- Archive Storage with PBS ContentLink
- File-based Archive Indexing of PBS archive add ons
- Archive Indexing in analytical Nearline DB with Nearline Analytic Infrastructure
- In S/4: Archive Indexing via NAI necessary (Fiori Apps)

Data Management II

SAP Archive

ERP, S/4

SAP DB (all)

External Data

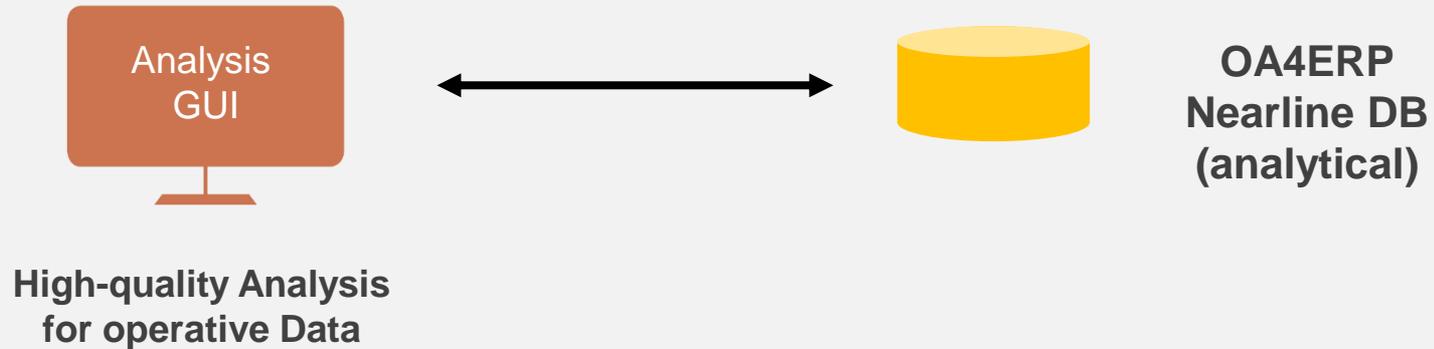**PBS Nearline DB (analytical)**

- Replication Services for SAP DB and Archive Data
- Import Services for external Data (for ex. Sale Receipts → CPOS)
- ABAP APIs for Access to Nearline DB
- Complete Integration in SAP Application (ERP, S/4)

Data Analysis I

SAP GUI
SAP Fiori

Integrated Data Analysis in the ERP Application (BS or S/4)

SAP Archive

SAP ERP DB

PBS Nearline DB (analytical, Precondition for pure Fiori Apps)

- PBS archive add ons: Transactions, Reports, Fiori Apps
- Generic Data Analysis with NAI Query
- ABAP APIs for Access to Nearline DB and Archive
- Extremely fast Access to NAI DB

Data Analysis II

Analysis GUI

**High-quality Analysis
for operative Data**

**OA4ERP
Nearline DB
(analytical)**

- Available via Operational Analytics for ERP
- Business Intelligence Analyses (Dashboards, Reports, Stories, etc.)
- Planning
- Predictive Analytics

Operational Analytics for ERP

OA4ERP is an integrated Standard Software Solution for Data Management and Analysis of SAP ERP and non-ERP Data.

Precondition is an operative SAP ERP Application
(Business Suite, S/4HANA).

OA4ERP	PBS archive add ons	PBS Nearline Analytic Infrastructure NAI	PBS Analysis Templates ERP	PBS ContentLink Tools
Components	Analytical Database	Business Intelligence Cognos TM1 SPSS	BI Templates Dashboards Reports Queries	ETL

S/4HANA Migration Discounts

All PBS products for S/4HANA have to be newly licensed.

The following migration discounts are applied for PBS existing customers:

Year of Migration	Discount
2018	70%
2019	50%
2020	30 %

Summary

- PBS Solutions available for S/4 and BW/4

- Solutions support GDPR migrations

- New large solution OA4ERP

- Migration Discounts for S/4

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