

DAT262

Integrating SAP S/4HANA into SAP Data Intelligence: Deep Dive and Hands On.

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PUBLIC

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Agenda

1. Short Introduction to SAP Data Intelligence
2. Integrating SAP S/4HANA into SAP Data Intelligence - Overview
3. Deep Dive and Exercise Scenario (Workshop Use Case)
4. The Enterprise Procurement Model (EPM) in SAP S/4HANA
5. Getting Started

Short Introduction to SAP Data Intelligence



Bringing together enterprise applications and intelligent technologies

New Opportunities and new challenges

Applications

Operationalize and maintain applications to assist in solving the organization's challenges in a sustainable way

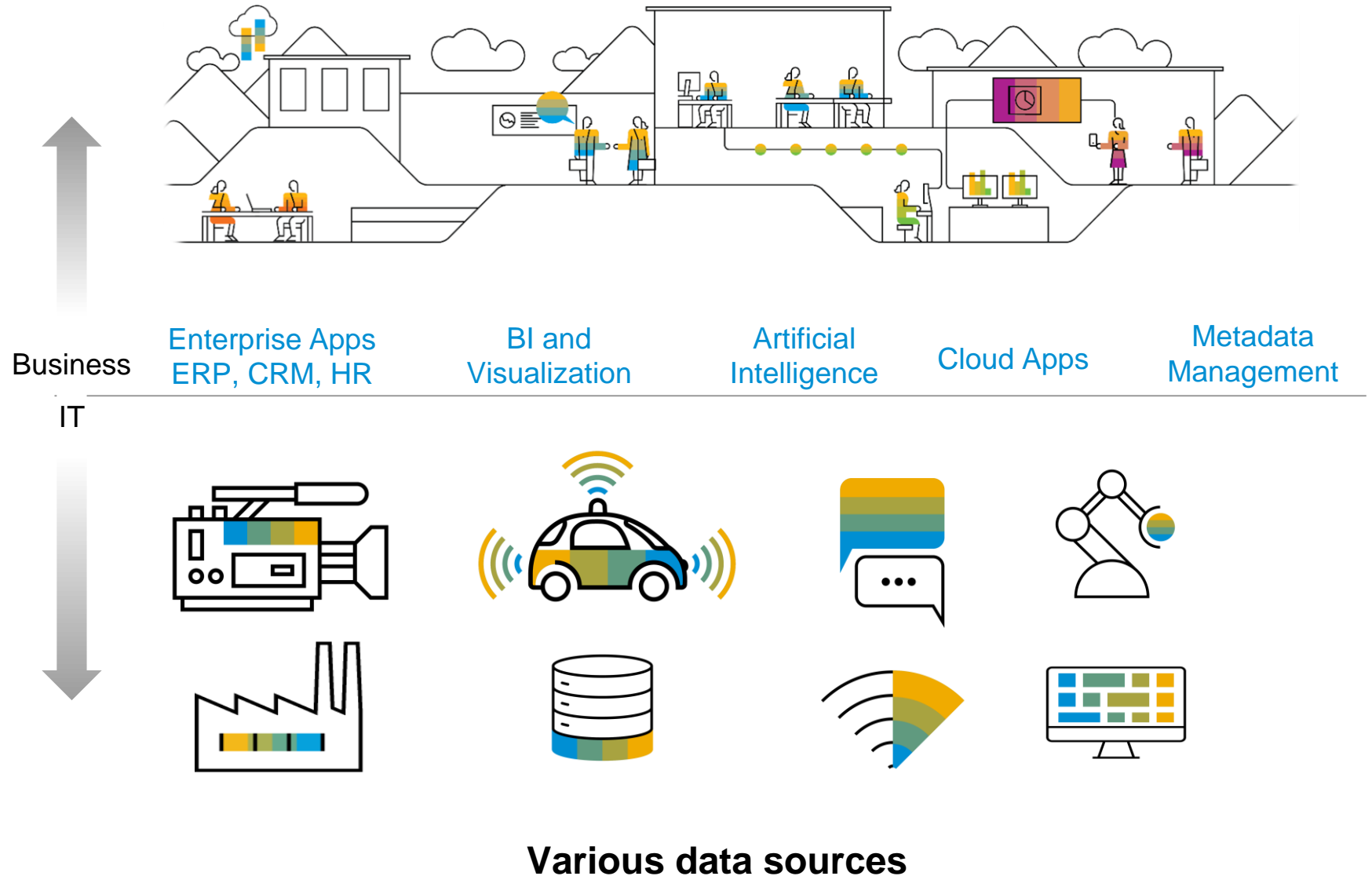
Intelligent Technologies

Harness intelligent technologies to create and enrich enterprise applications

Data Management

Take care of

- different data types
- data governance
- data integration
- orchestration of data processing



SAP Data Intelligence

One solution to support the end-to-end workflows for intelligent enterprise applications and business processes

Manage metadata across a diverse data landscape and create a metadata repository

Create data pipelines to leverage your data projects and orchestrate the data integration processes

Operationalize machine learning models and contents to accelerate, scale and automate your Data Science projects



IT Administrator



Data Admin



Data Engineer



Data Scientist



Data Steward



Business Analyst



Access &
connect data



Govern &
discover data



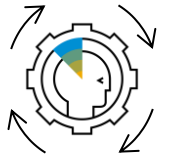
Prepare &
manage data



Build scalable
& flexible data
processes



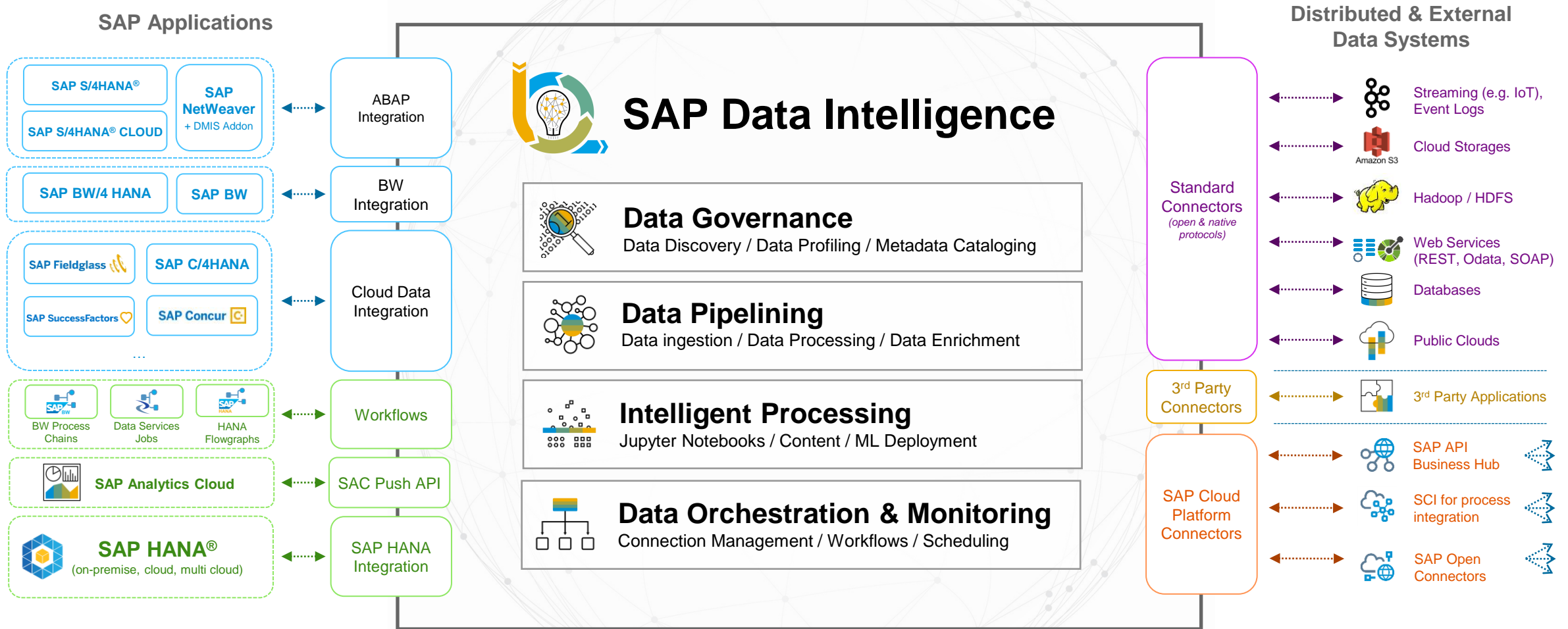
Deploy & integrate
intelligent
scenarios



Monitor &
orchestrate
the lifecycle

SAP Data Intelligence

End to End Data Integration and Processing



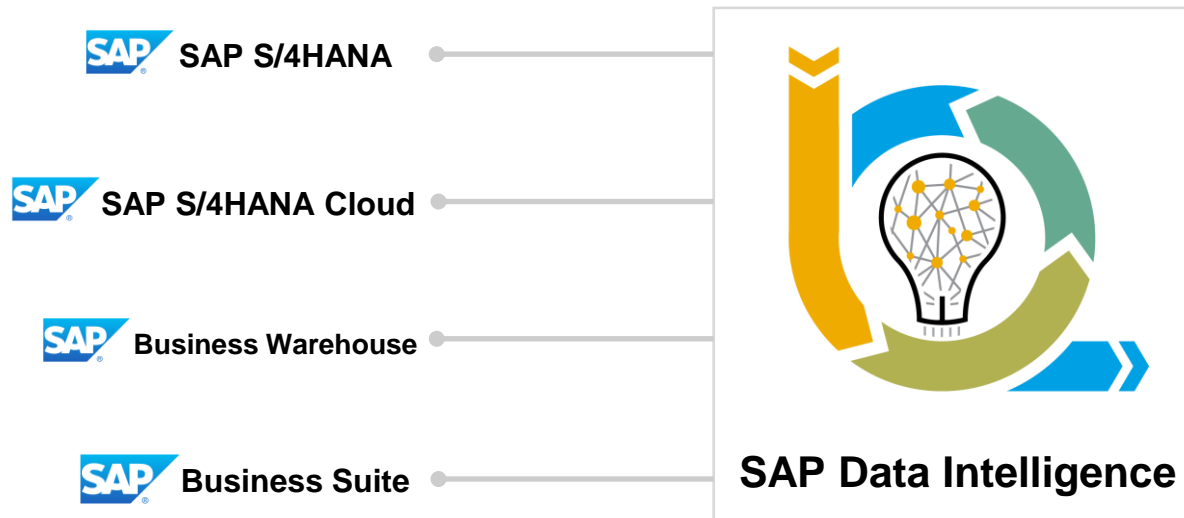
Integrating SAP S/4HANA into SAP Data Intelligence - Overview



ABAP Integration

Overview

One model to consolidate all interaction scenarios between SAP Data Intelligence and an ABAP-based SAP systems directional and bi-directional



Capabilities



Provide **ABAP METADATA** to the SAP Data Intelligence Metadata Explorer



ABAP DATA PROVISIONING to transfer data into SAP Data Intelligence



ABAP FUNCTIONAL EXECUTION that is triggerable as a SAP Data Intelligence Operator

Enterprise Application Integration

Unified integration model to consume and interact with SAP S/4HANA & SAP Business Suite systems

Available ABAP operators to consume and interact with



ABAP CDS VIEW READER

Operator that supports initial load and delta replication of CDS views.



CUSTOM ABAP OPERATOR

Operator to implement your ABAP custom code that will be executed as part of a pipeline in the connected ABAP system. For example to call a function module.



SLT CONNECTOR OPERATOR

Operator to communicate with SAP LT Replication Server (SLT). Leverage existing replication scenarios to bring data into a SAP Data Intelligence pipelines.



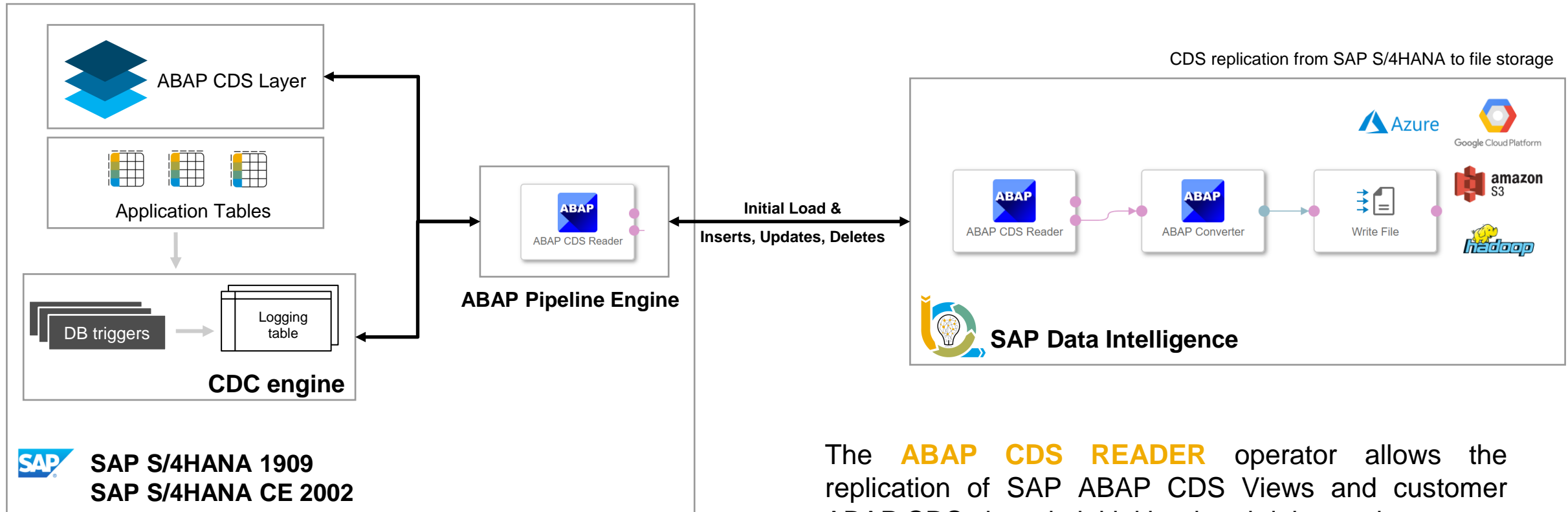
ODP READER

Operator that can read from Operational Data Provisioning out of a SAP Business Warehouse or SAP BW/4HANA into SAP Data Intelligence.

ABAP CDS Reader

Data provisioning for SAP S/4HANA

ABAP CDS is the semantically rich data model in SAP S/4 HANA and allows the consistent representation of a business object like a Business Partner

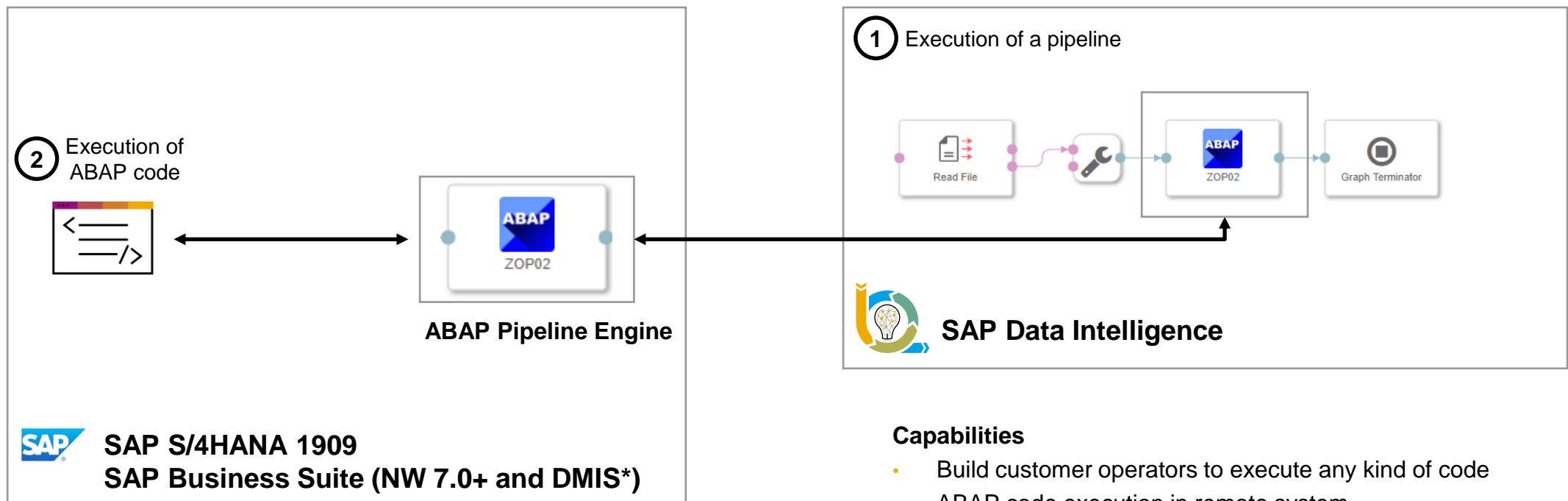


The **ABAP CDS READER** operator allows the replication of SAP ABAP CDS Views and customer ABAP CDS views in initial load and delta mode.

Custom ABAP Operator

Execute custom code and function modules

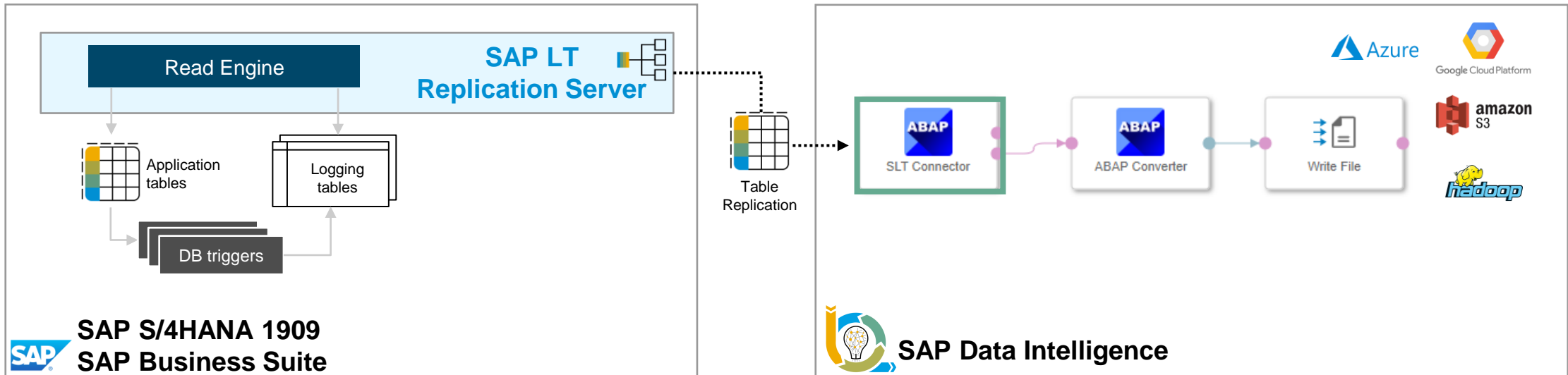
CUSTOM ABAP OPERATORS can be used to enhance the scope of a data-driven application. For example it is necessary to execute a function module within a pipeline to read data into SAP Data Intelligence, post information into an ABAP-based SAP system or trigger an execution in the remote system.



SLT Connector

Data provisioning for SAP S/4HANA and SAP Business Suite

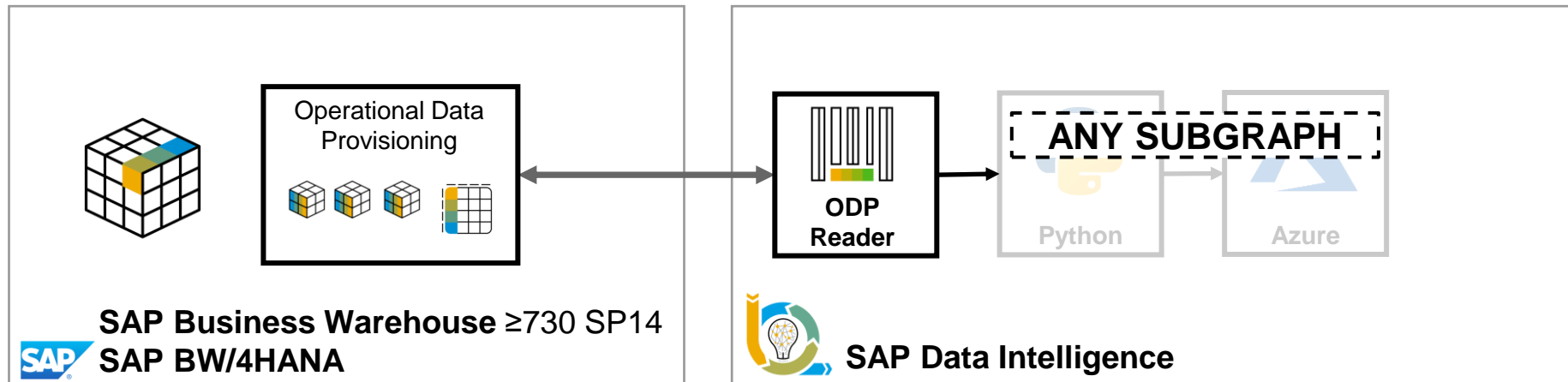
The **SLT CONNECTOR** operator establishes a communication to the remote ABAP System and consumes data (initial load and delta) via SAP LT Replication Server technology. This allows the consumption of business data directly within a Data Hub pipeline to leverage a tight integration between business data and big data.



ODP Reader – Overview

Data provisioning for SAP Business Warehouse systems

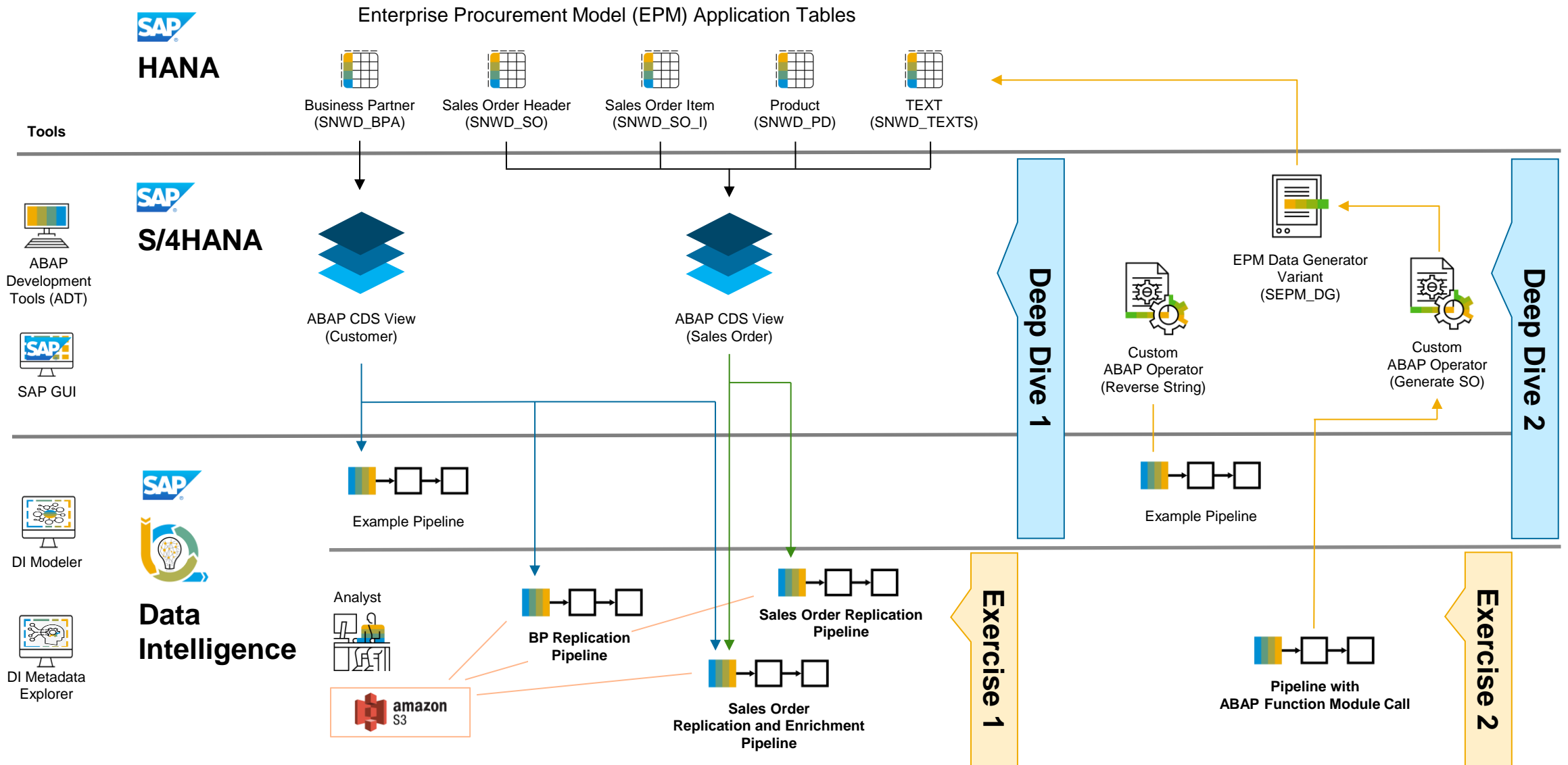
The use of the **ODP READER** allows to extract any data object supported by the Operational Data Provisioning framework (such as DSO). This operator is positioned to provision data out of SAP Business Warehouse systems to SAP Data Intelligence based on initial loads and/or delta replication.



Deep Dive and Exercise Scenario (Workshop Use Case)



DAT262 Workshop Scenarios



The Enterprise Procurement Model (EPM) in SAP S/4HANA



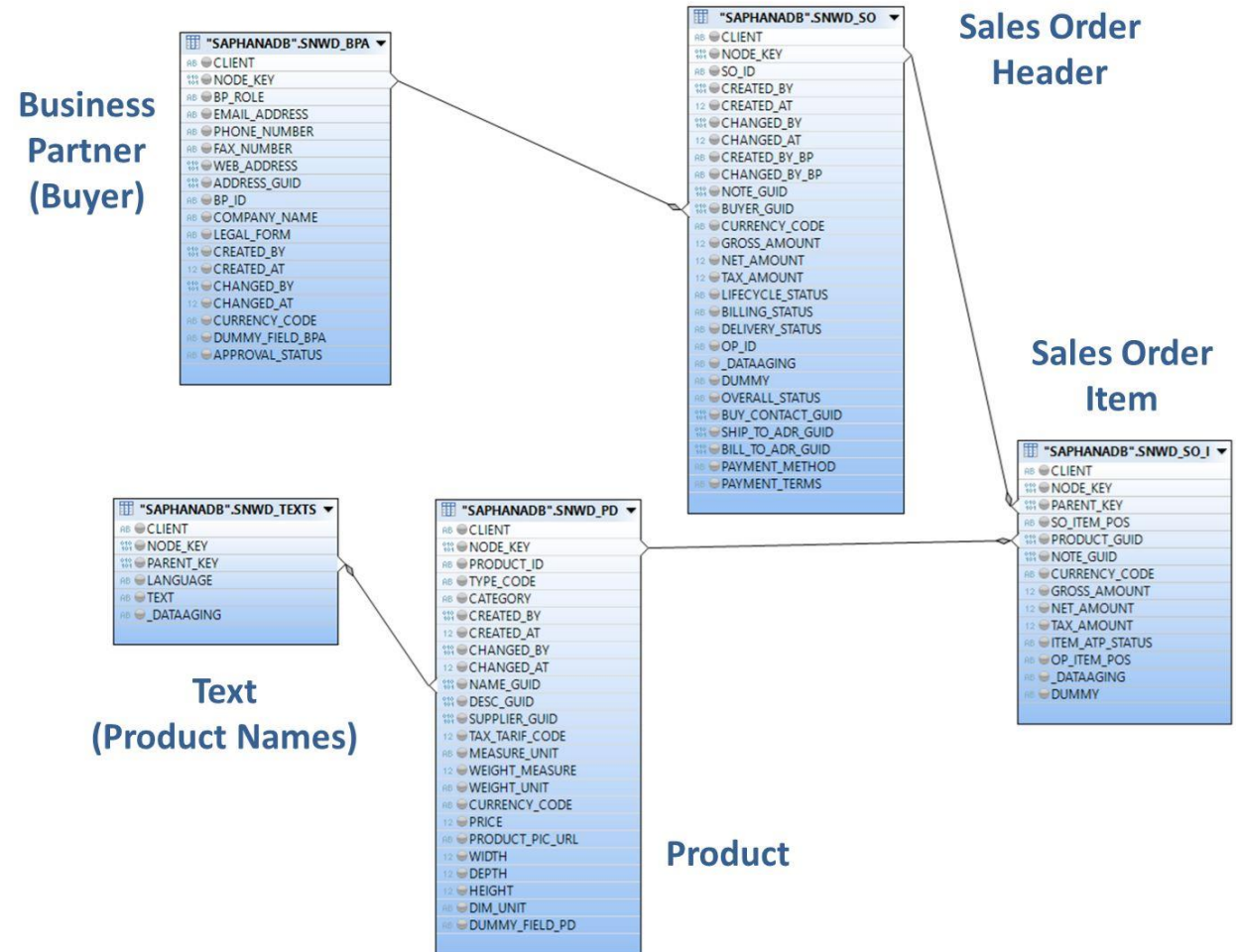
Brief introduction to the Enterprise Procurement Model (EPM)

The business scenario at the core of EPM is that of a web shop run by a retail company called ITelO, a fictitious company that buys and sells computers & accessories.

Even though EPM also provides several predefined CDS Views, which are all linked to each other via associations, we'll be using the underlying physical tables in our Deep Dive demos and the Exercises. They are starting with the prefix SNWD_.

The relevant tables for our scenario are

- BUSINESS PARTNER (SNWD_BPA),
- SALES ORDER HEADER (SNWD_SO),
- SALES ORDER ITEM (SNWD_SO_I),
- PRODUCT (SNWD_PD),
- and TEXTS (SNWD_TEXTS).



Getting Started with the Exercises



Access to the exercises' Data Intelligence environment

All participants are requested to register for a individual user name and password on the workshop specific SAP Data Intelligence tenant.

SAP provides a specific Data Intelligence User Registration Tool:

<https://register.cfapps.eu10.hana.ondemand.com/>



The screenshot shows the SAP TECHED Workshop registration interface. At the top, the SAP logo is followed by 'TECHED' in a large, bold, grey font. Below this, the text 'Workshop' and 'SAP Data Intelligence Hands-on' are displayed. A dropdown menu labeled 'Workshop' is open, showing the selected option: 'DAT262_1 - Integrating SAP S/4HANA into SAP Data Intelligence - Deep Dive and Hands On'. Below the dropdown, there is a text input field labeled 'Your name:' with a placeholder 'Prenome Familyname'. At the bottom of the form is a blue 'Submit' button.

After having successfully obtained the credentials for the SAP Data Intelligence system, you can log on as follows:

- In a Chrome or Firefox Browser, open the link to:
<https://vsystem.ingress.dh-6srbrihsl.dh-canary.shoot.live.k8s-hana.ondemand.com/login/?tenant=dat262>
- The tenant name for this workshop is always **dat262**.
- User credential as received from the user registration service described above
- Participants will also find a step-by-step guidance in the **exercise documentation** on Github:
<https://github.com/SAP-samples/teched2020-DAT262>



Enjoy!

More information



Related SAP TechEd sessions

- [Introduction to SAP Data Intelligence \[DAT111\]](#)
- [Road Map: SAP Data Intelligence \[DAT829\]](#)
- [Integrating SAP S/4HANA into SAP Data Intelligence \[DAT206\]](#)
- [Integrating SAP S/4HANA into SAP Data Intelligence: Overview and Use Cases \[DAT203\]](#)
- [Create and Manage End-to-End Data Pipelines with SAP Data Intelligence \[DAT263\]](#)
- [How SAP Data Intelligence Supports Your Data Governance Projects \[DAT112\]](#)
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Thanks for attending this session.

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