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Making the Move to the SAP S/4HANA Cloud

Turn Insights into Action with Embedded Analytics

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There are only 2 reasons for making the move to SAP S/4HANA Cloud

One:
The need to move to a modern technology platform

Allowing companies to grow,
transform,
automate,
leverage new technologies,
and to become attractive
and easy to use

Two:
The Access to Embedded Analytics

Providing real-time, exception-based management of the business

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Process Automation

- *Automate tedious tasks and focus on actions with added value*

Landscape Simplification

- embedded capabilities e.g. EWM, TM, Salesforce Management, no BW for operational reporting

Real-Time Exception-Based Management

- *Embedded Analytics*
- *"Insight-to-Action"*

Ability to Leverage New Technologies

- *Connection via IoT, use of AI and ML, Prediction, Mobility*
- *Inside and Outside (BTP) the Core*

There are actually many reasons to move to S/4HANA!

Empowered Employees

- *Modern, Task-Oriented User Experience via SAP Fiori / Enterprise Search/SAP Build Work Zone*

Process Innovation

Enhanced and re-designed End-to-End processes

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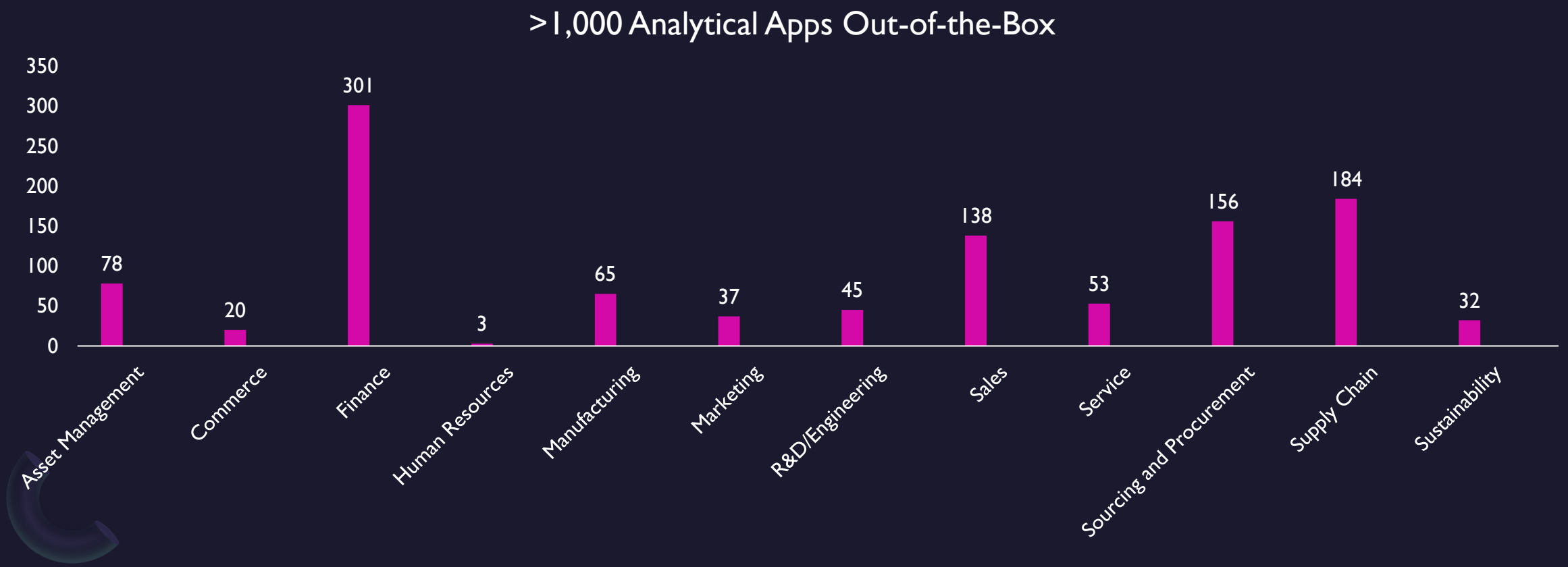
Real-Time Exception-Based Management

Embedded Analytics

SAP S/4HANA embedded analytics – Overview

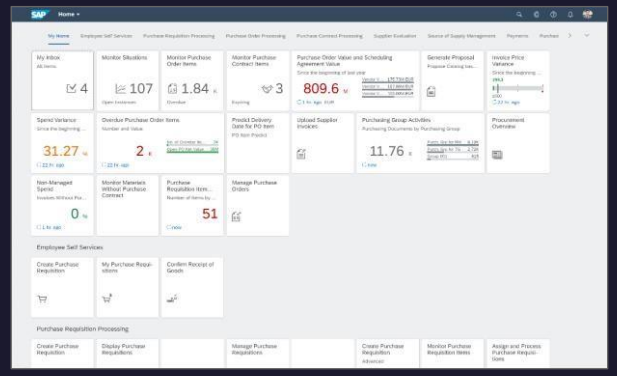
Fiori Applications



SAP S/4HANA embedded analytics – Overview

Capabilities for the business user

Smart Business KPIs



- KPI monitoring on SAP Fiori launchpad
- Drill-down into further analytical or transactional apps
- Save personal variants

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What's to like about the Fiori Analytical Applications?

Predefined KPIs and Reports

- Details in the Fiori Library

Real-Time Analytics

Exception-Based

Changeable Default Variables e.g. Currency

Drilldown to Transactional Details

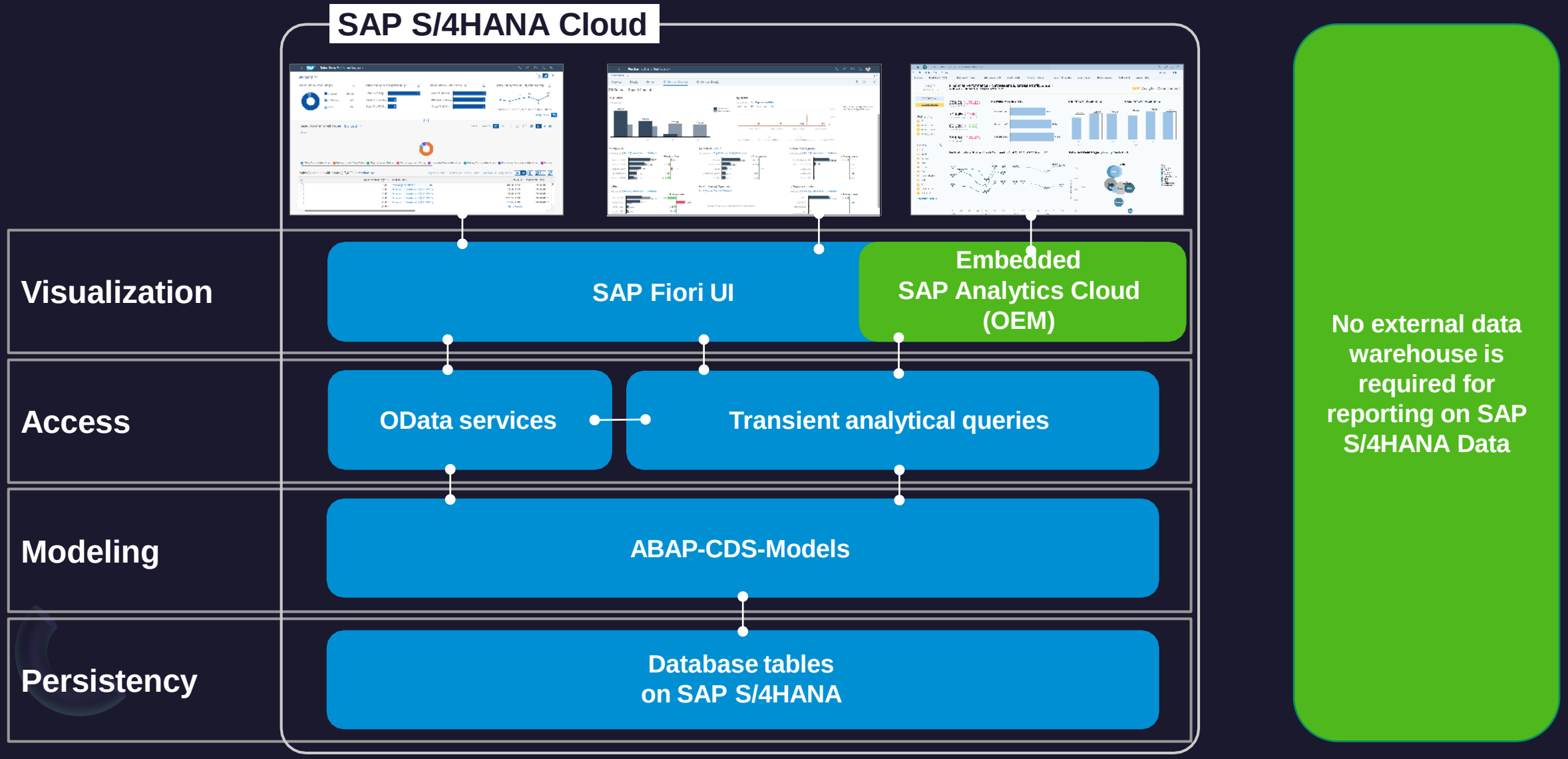
- Allowing Root-Cause Analyses

Extensibility

Extensibility

SAP S/4HANA embedded analytics – Overview

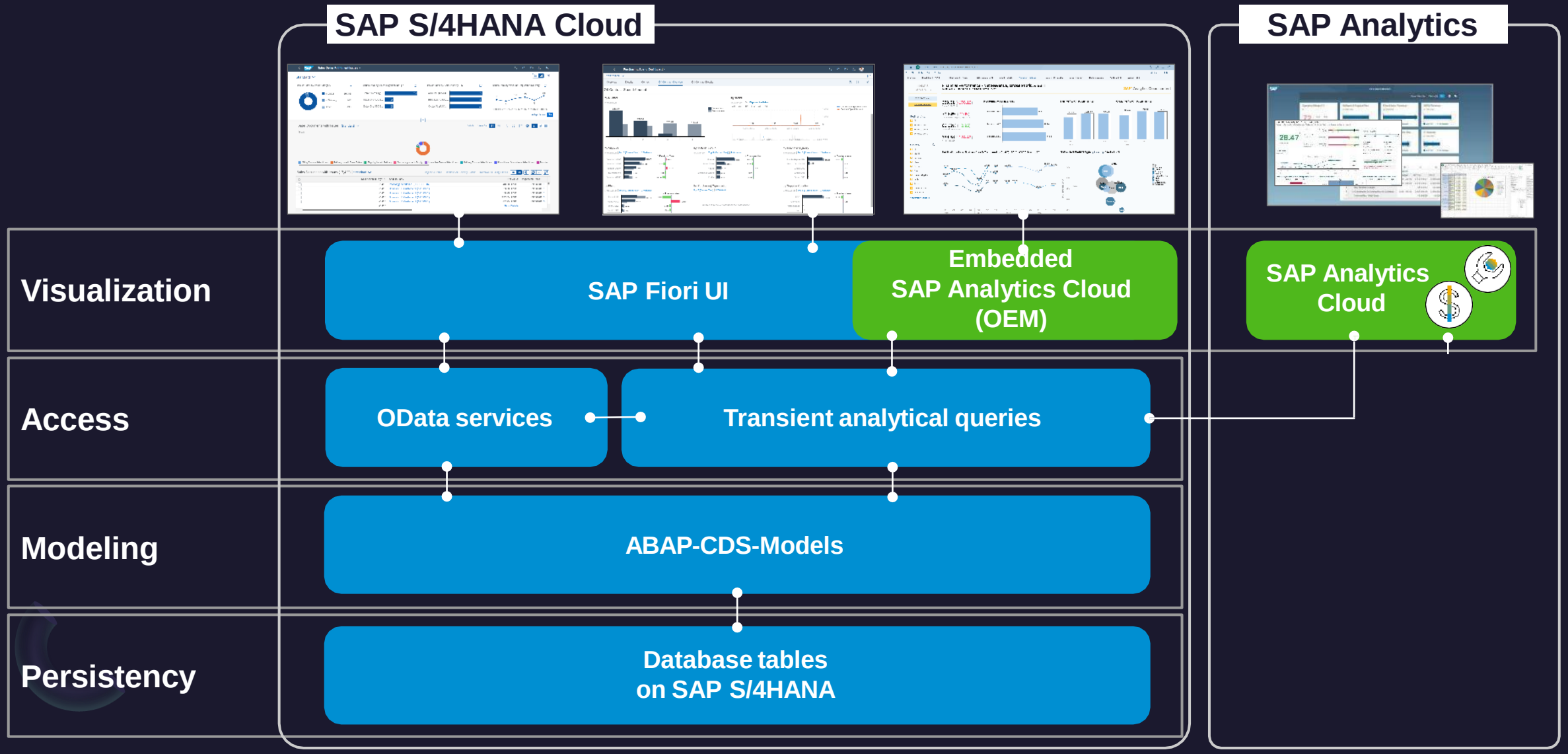
High-level architecture



No external data warehouse is required for reporting on SAP S/4HANA Data

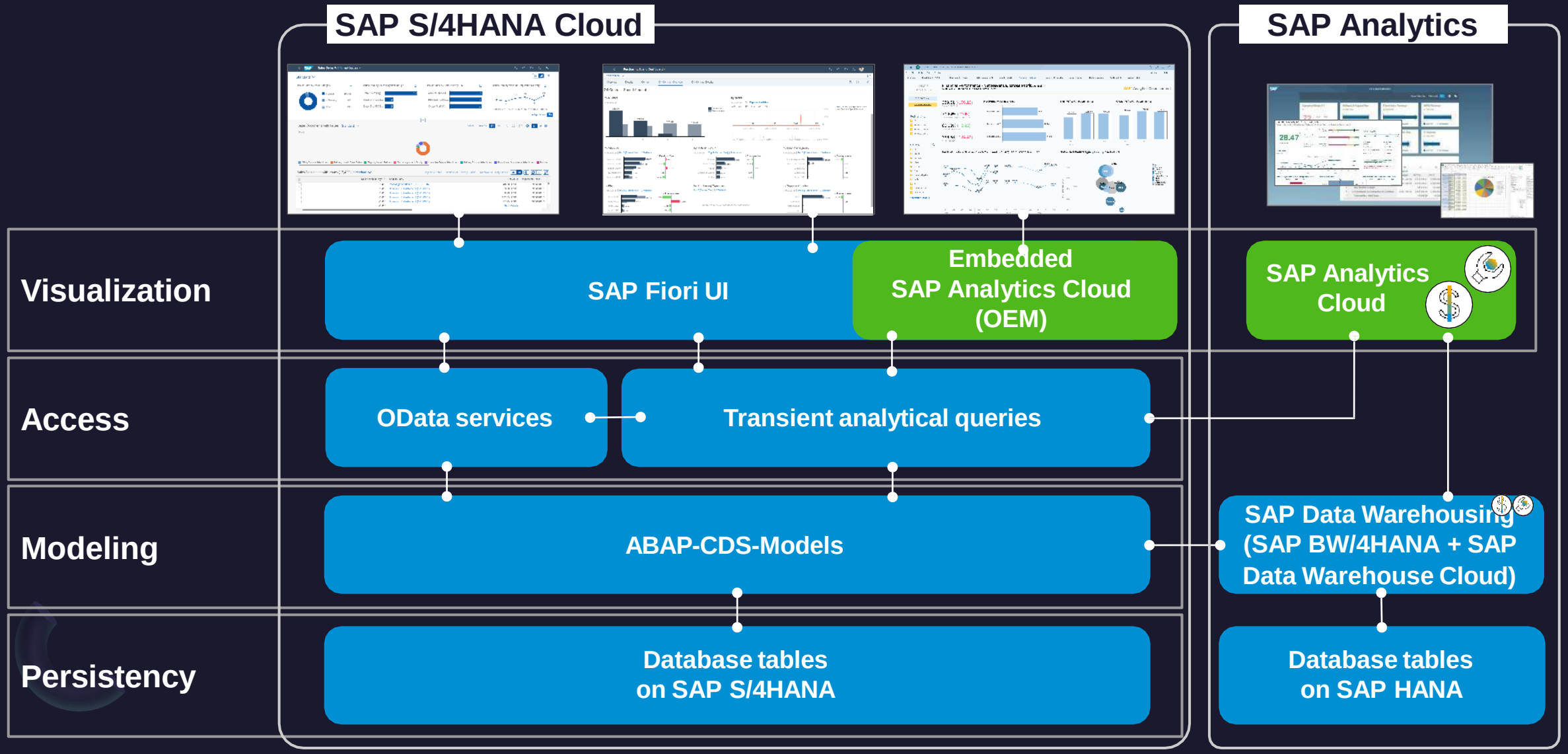
SAP S/4HANA embedded analytics – Overview

High-level architecture



SAP S/4HANA embedded analytics – Overview

High-level architecture

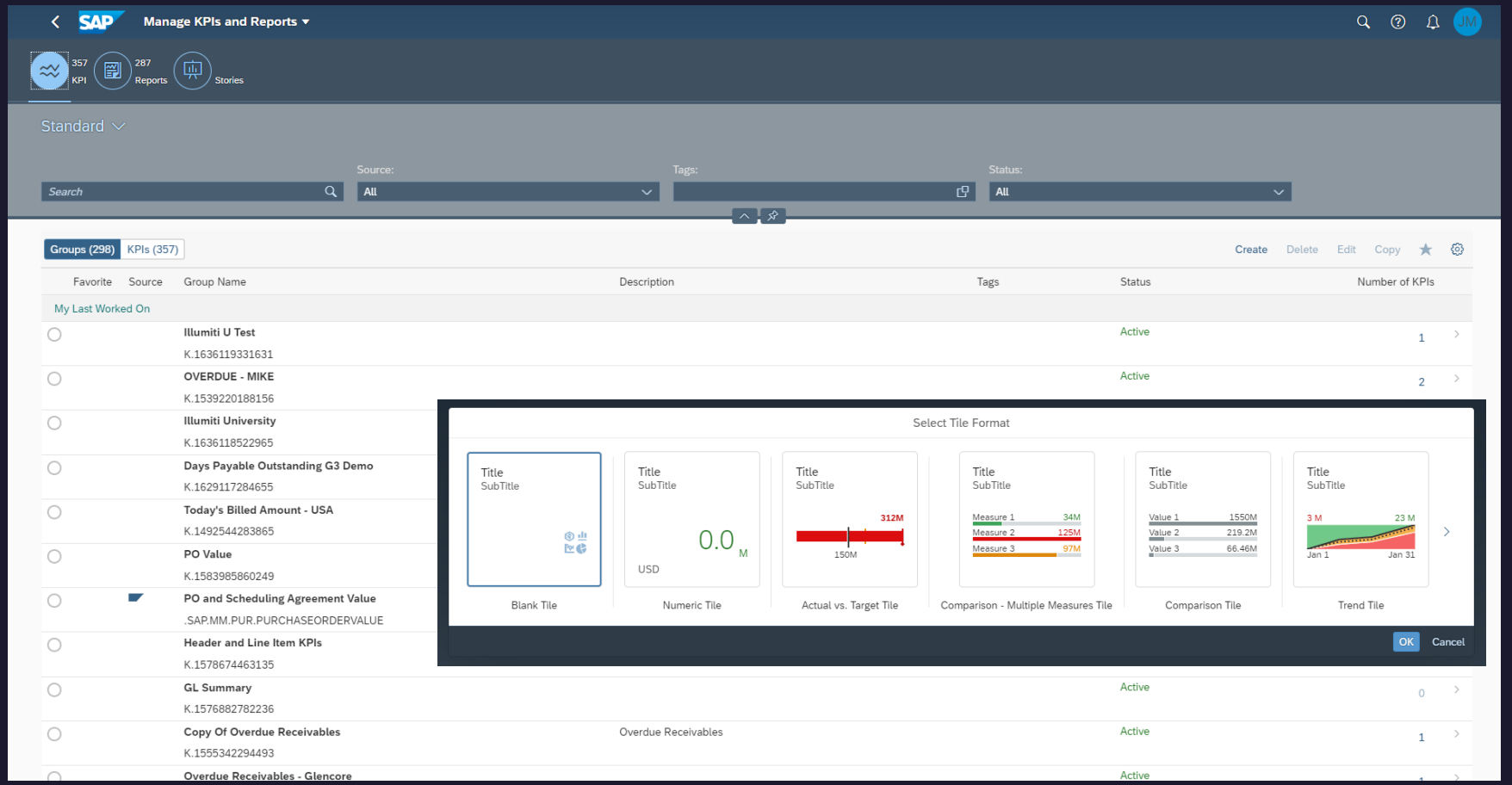


SAP S/4HANA embedded analytics – Overview

Extensibility

High-Level Capabilities:

- Based on CDS views / OData services, configure KPIs and Reports
- Publish KPIs and Reports to business catalogs, thus making them available for users
- Configure details of the drill down and appearance of the tile (for KPIs)

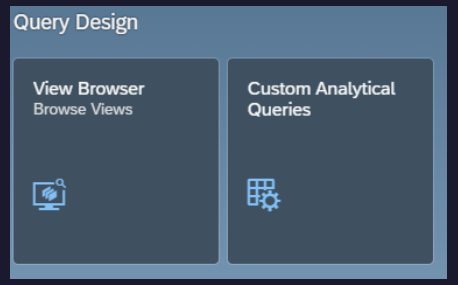


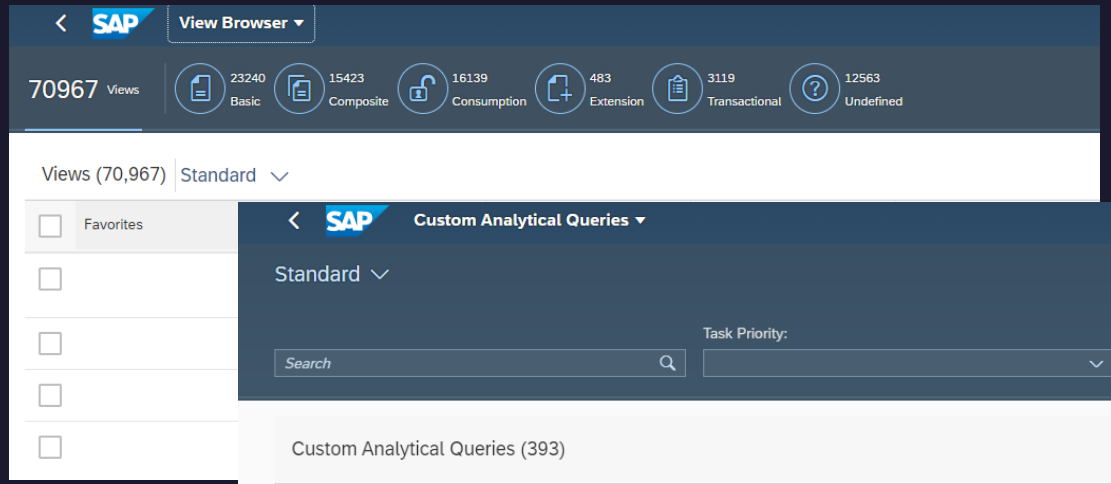
SAP S/4HANA embedded analytics – Overview

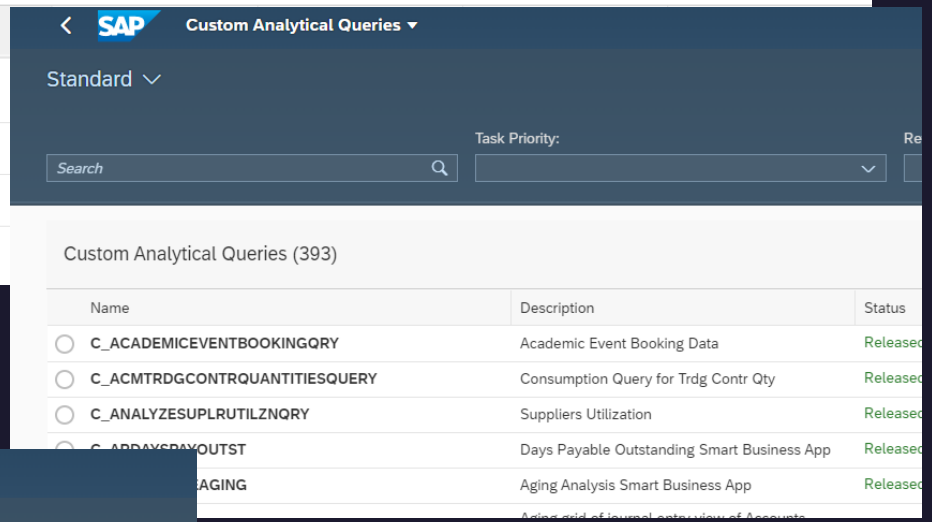
Extensibility

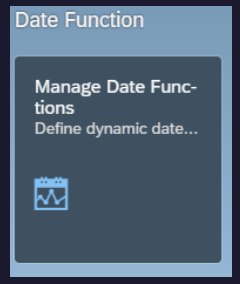
High-Level Capabilities:

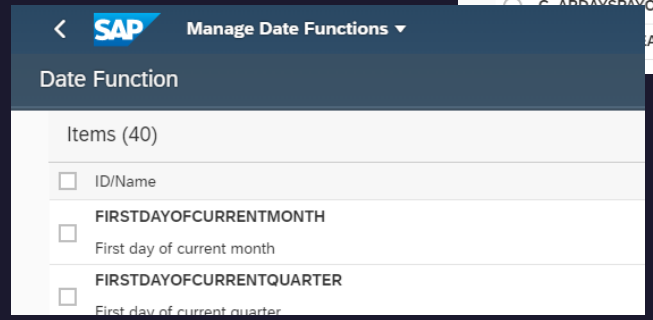
- **View Browser:** Embrace Virtual Data Models
- **Custom Analytical Queries:** Create and Publish Queries
- **Date Functions:** Defines dynamically calculated date ranges relative to a date (“Today”, “Last Day of Previous Quarter)
- **Custom Fields**: can create your own fields and enhancement implementations to customize applications and their UIs, reports, email templates, and form templates.

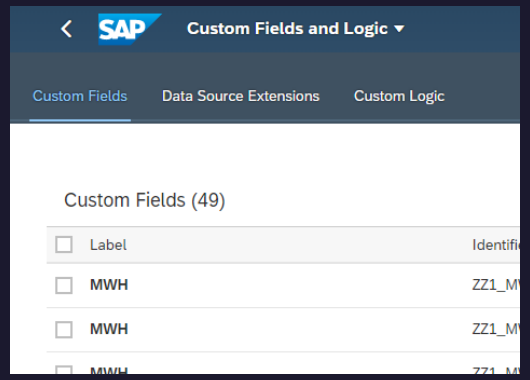












SAP S/4HANA embedded analytics – Overview

Rapid Activation of SAP Fiori

Did you know you can turn on your SAP Fiori launchpad, main SAP Fiori features, and all the SAP Business Roles and the related SAP Fiori apps that you want to explore in **less than 1 day**?

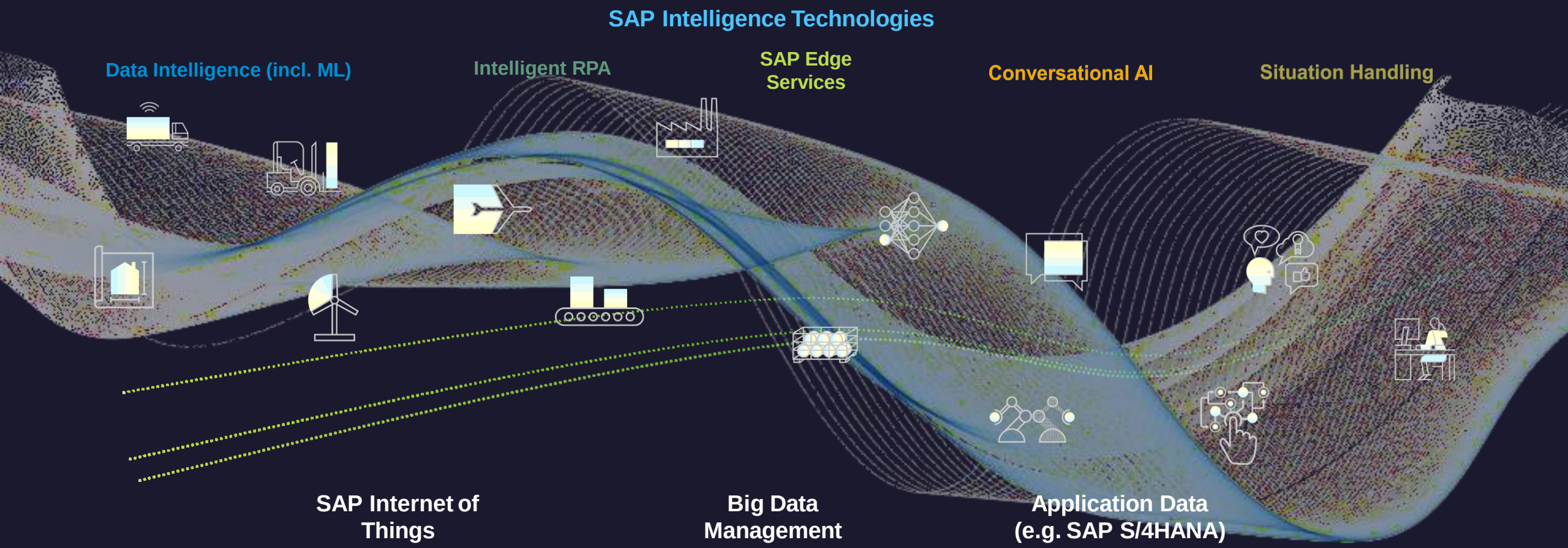
1. Task list SAP Fiori - Initial Setup for SAP Fiori Applications in SAP S/4HANA enables the rapid activation and setup of SAP Fiori launchpad
2. Task list SAP Fiori - Content activation for SAP Business Roles facilitates the generation of SAP business roles for tests in the sandbox system, and
   the activation of SAP Fiori apps based on business roles
3. Task list FLP content activation for FCM simplifies the generation of customer-defined business roles and the activation of the corresponding SAP Fiori apps.

Cut and paste in a browser:

- https://blogs.sap.com/2021/11/03/sap-fiori-for-sap-s-4hana-activate-sap-fiori-in-1-day-or-less-the-video-playlist-and-faq/
- https://help.sap.com/docs/SAP_FIORI_OVERVIEW/a3a20aacd1484c8a976f71054a3bf860/999528cc1c8844a899ec94b48b2940d4.html
- https://www.sap-press.com/sap-s4hana-embedded-analytics_5226/?utm_source=sappressblog&utm_medium=contentmarketing&utm_campaign=Blogs&utm_term=chapter5&utm_content=2050

SAP S/4HANA embedded analytics – Intelligent Evolution

Leveraging and integrating with the modern platform of SAP S/4HANA



A **single digital thread** that integrates all the real-time information, feedback, performance, and data on a product from inception to sunset. Enabling processes to evolve from reactive to predictive.

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SAP S/4HANA embedded analytics – Intelligent Evolution

Procurement as example of the evolution from digital to autonomous

Digital

Fully digitalized Source-to-Pay process across SAP S/4HANA Cloud and SAP Ariba

Real-time Analytics

Collaboration via SAP CoPilot

Automated

Automated process steps by Situations and Machine Learning

Robotic Process Automation (RPA) for recurring tasks

IoT and sensor-based triggers

Invoice Automation via OCR

Intelligent

Proactive Insight-to-action based on Situations

Recommendations by Machine Learning

Predictive Analytics

Usage of Digital Assistants

Continuous Auditing via Blockchain

Autonomous

Autonomous operational procurement processes by RPA and Machine Learning

Autonomous sourcing decisions

Strategic decisions carried out by intelligent assistants

Conversational chatbots for proactive procurement decisions

from **2018** → to **2025+**

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SAP S/4HANA embedded analytics – Intelligent Evolution

Machine Learning in SAP S/4HANA Cloud

Typical Machine Learning Business Pattern

Prediction
of future conditions based on past data patterns

Automation
substitute steps in business processes, which were originally handled by humans

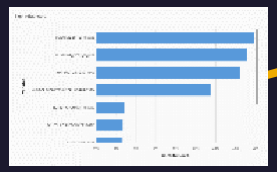
Augmentation
support decisions with proposals of datasets/ actions based on current context

Pattern Recognition
provide insights into a dataset and classify recognized patterns

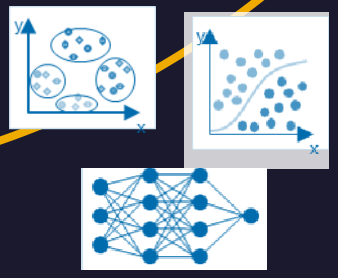
Moderate ML requirements like *Forecasting, Trending, Influencers* using Algorithms like *Regression, Clustering, Classification, Time-Series* etc. can be handled **embedded in SAP S/4HANA Cloud.**

More complex ML requirements with also **external data** and more complex Algorithms and requirements including also *Image Recognition, Sentimental Analysis, Natural Language Processing and Deep Learning* are typically offered **side by side on SAP Business Technology Platform.**

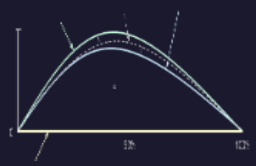
Data
Collect Data, Prepare, Calculate & Consolidate

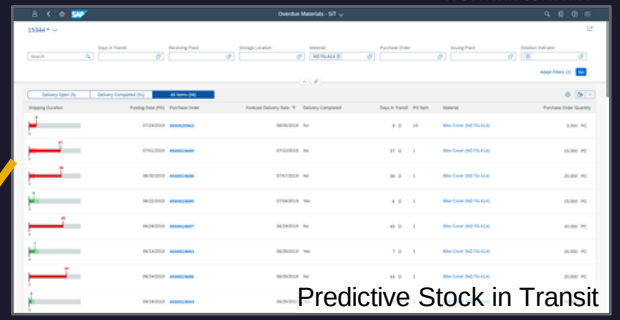


Design **ML Model** using Algorithms

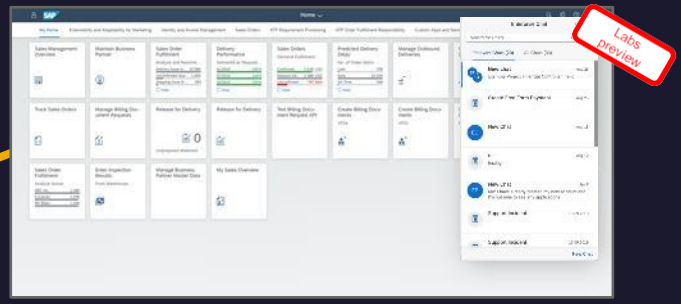


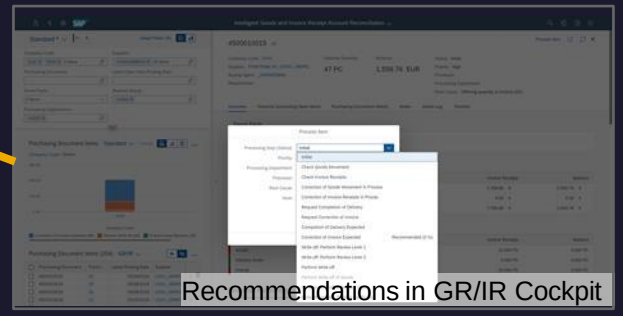
Train
Increase the **predictive confidence** and **predictive power** during continuous evaluation, **validation** and fine tuning



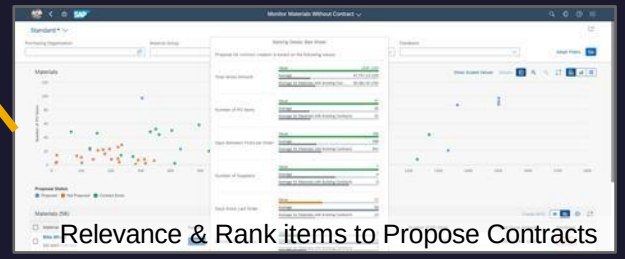


Predictive Stock in Transit





Recommendations in GR/IR Cockpit



Relevance & Rank items to Propose Contracts

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Summary

Moving onto a modern, digital platform with SAP S/4HANA enables companies to leverage superior analytics capabilities and prepares them for growth and transformation via intelligent technologies

Thank You

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