

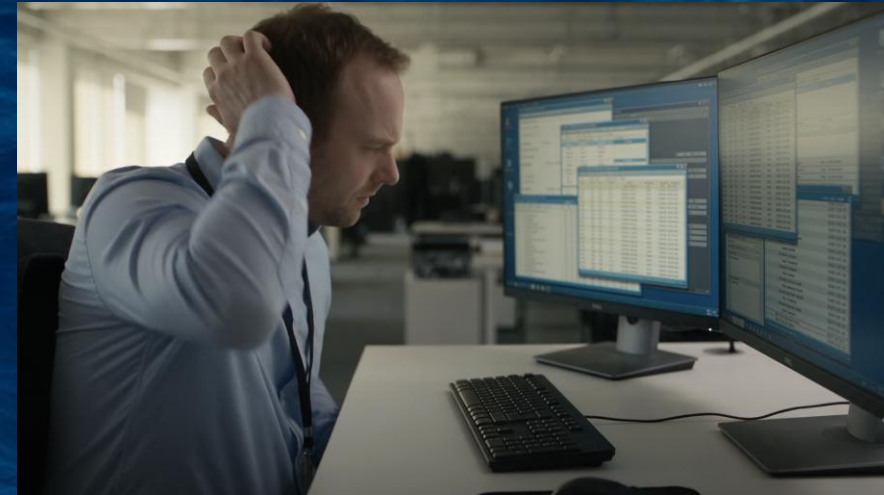


The Costing Dashboard: SAP S/4HANA Embedded Analytics at work

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Introduction

- Fiori Reporting Gems, does it ring a bell?
- What if no Fiori app gets you what you need? What would you do?
- Would you go to GUI? and spreadsheet?
- How about you build your own Fiori Analytical apps?
- This is it, let's embrace Embedded Analytics.



Topics:

- 1 What if no Fiori app gets you what you need
- 2 S/4HANA Embedded Analytics Demystified
- 3 Insight-to-Action: The Core Concept
- 4 Three Main Analytical Tools
- 5 Creating Smart KPIs: A Practical Example
- 6 Five Takeaways

What if no Fiori apps get you what you need?

- Despite large collection of Fiori Analytical Library, it is possible standard Fiori Apps may not suit your needs.
- Pre-delivered KPIs may not match unique custom fields or specific business logic.
- Power users often require multi-dimensional slicing, ad-hoc drill-downs, or custom data.



S/4HANA Embedded Analytics provide standard analytical tools, designed so that business users, not IT specialists, can build custom reporting and derive value immediately.

S/4HANA Embedded Analytics Demystified

- **Analytics built into where you already work**
- **Analytics built directly into SAP S/4HANA — no separate tools, no extra licenses.**
- **Real-time data from your transactional system, instantly available for analysis**
- **Pre-built content ready to use — configure, don't build from scratch, deliver fast**



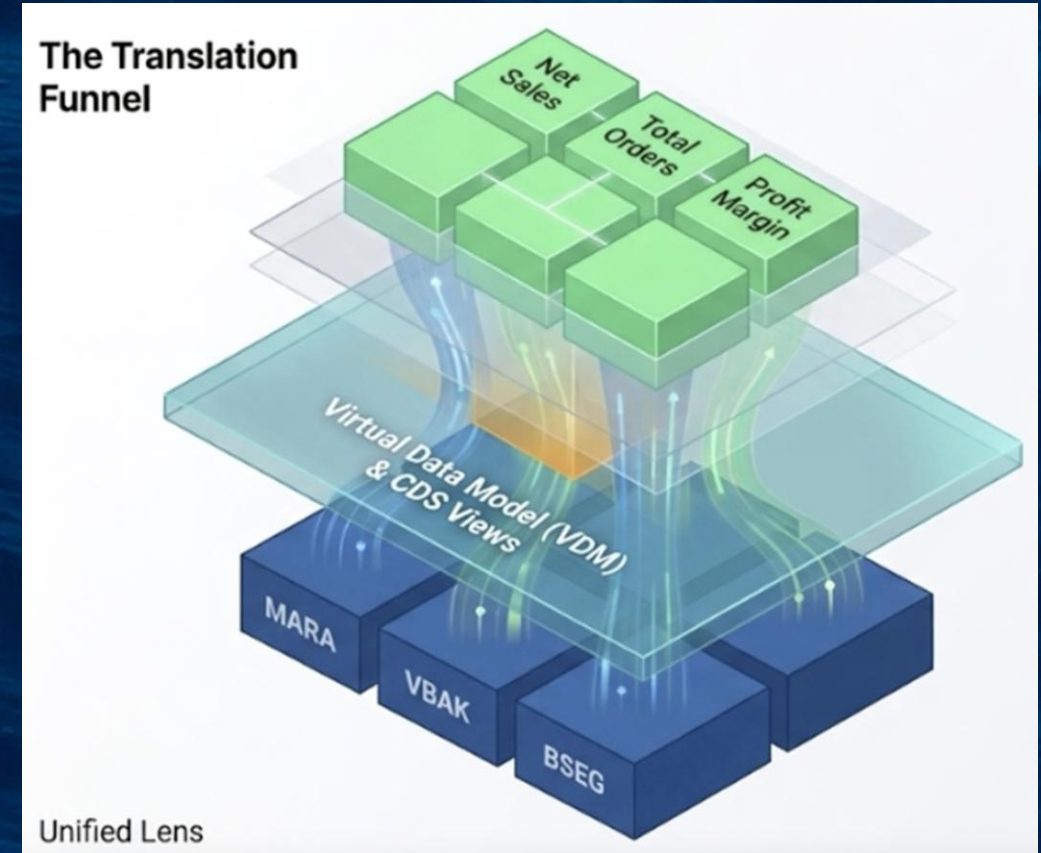
Before building customized reports and dashboards, you should define the business objectives for reporting



S/4HANA Embedded Analytics Demystified

It looks complex — it isn't

- Faster **time-to-value**, less complexity for end users
- The technical infrastructure — **virtual data models**, real-time in-memory processing — is handled behind the scenes. Your job is simply to ask the right business questions.
- **Pre-configured tools** mean you're not starting with a blank canvas. You're customizing something that already works.



Keep in mind that you play a critical role as Power User: master the art of selecting the right data source (CDS Viewer – F2170)

View Browser
Browse Views





My Home

ESAH Analytics Apps

Accounts Payable - Leasing

Accounts Receivables - Leasing

Fiori Launchpad

Fixed Assets ▾

Fixed Assets ▾

Group Reporting ▾

Analytics

More ▾

KPI Design

Manage KPIs and
Reports

Query Design

View Browser
Browse ViewsCustom Analytical
Queries

Date Function

Manage Date
Functions
Define dynamic date...

Insight-to-Action: The Core Concept

The Old Way (Task-Driven)

Work through a static list, switch to a BI tool to check performance, switch back to execute.



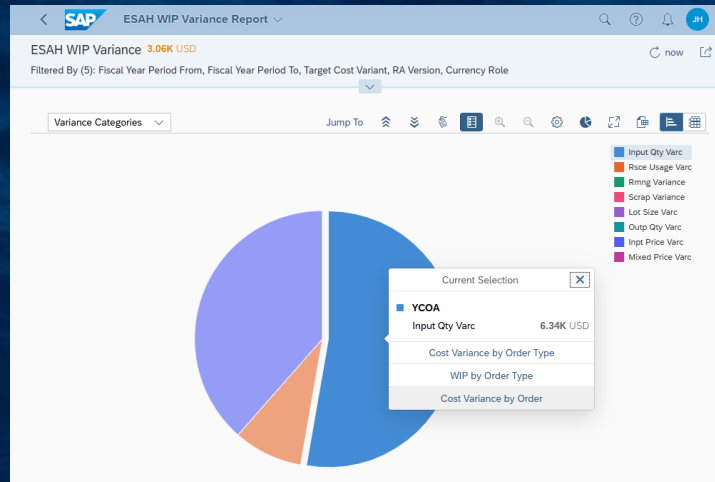
The New Way (Exception-Driven)

-  **Identify:** Spot a problem instantly through a color-coded KPI (e.g., Overdue Purchase Orders).
-  **Act:** Drill down into the context and execute the transaction (e.g., unblock an invoice or contact supplier) directly in the exact same UI.
-  **Update:** The KPI reflects the resolution instantly. Knowledge and action live in the same place.

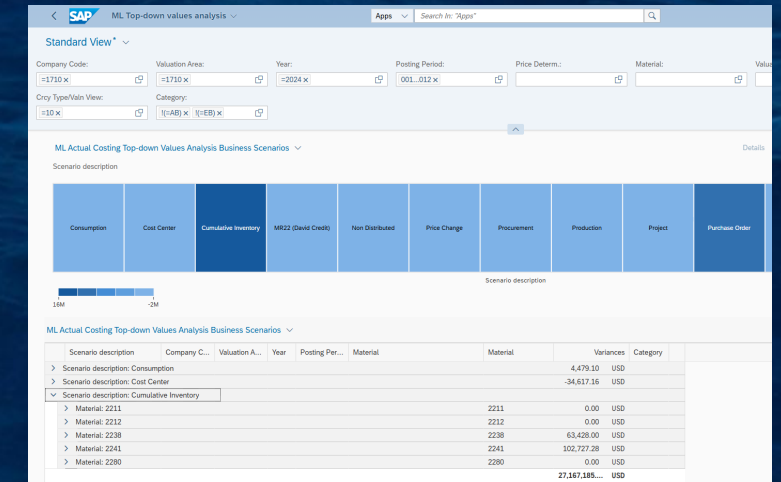


This seamless experience — from analytical context to transactional resolution — is what sets Embedded Analytics apart. You never leave your workflow to act on what you discover.

Three Main Analytical Tools



The screenshot shows the 'ESAH Actual/Plan Product Cost' report. It features a complex table with multiple dimensions: Order Number, Order Type, Company Code, G/L Account, Object ID, Operation or Phase, Order Category, Partner Cost Center, Plant, Product, and Work Center. The table columns include 'Act Cost Debit', 'Plan Cost Debit', 'Plan DRI/Act DRI V...', and 'DR Plan/Act Varc...'. The data is presented in a grid format with various numerical values, some highlighted in red to indicate specific variances or totals.



Smart Business KPIs

Key performance indicators with **drill-down capabilities** — see your most important metrics at a glance



Add roles `SAP_BR_EMPLOYEE`, `SAP_BR_ANALYTICS_SPECIALIST` to begin using Embedded Analytics

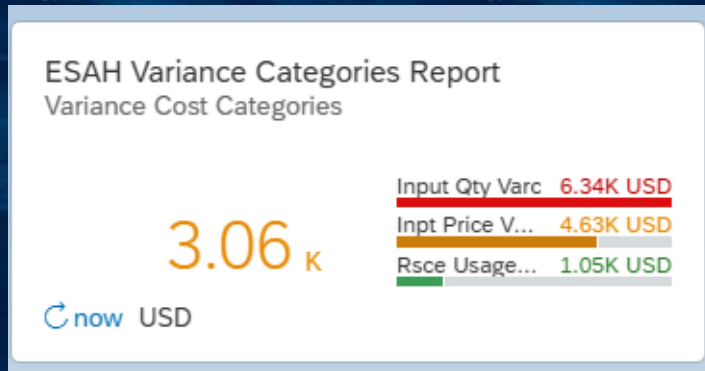
Multidimensional Reports

Slice and dice data across multiple dimensions — **time, region, product**. OLAP-style analysis that lets you pivot and filter without writing a single line of code

Overview Pages & ALPs

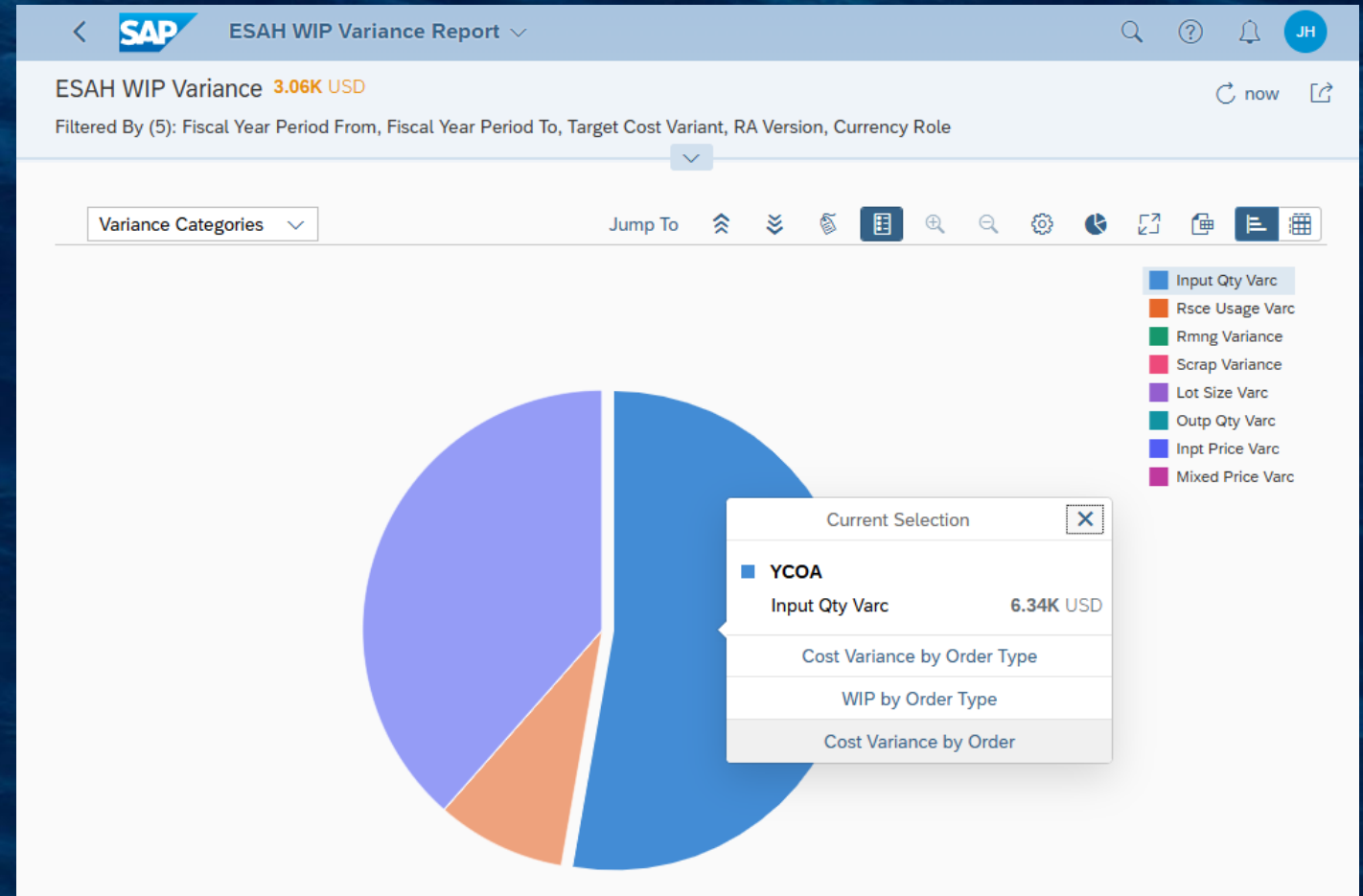
Unified dashboards combining **charts, tables, and actionable transactions** in one view — the ultimate expression of insight-to-action

Three Main Analytical Tools



Smart Business KPIs

- Key performance indicators with drill-down capabilities :
- See your most important metrics at a glance, then click to explore the details behind the numbers



Three Main Analytical Tools

Multidimensional Reports

- Slice and dice data across multiple dimensions: **Time, region, product.** OLAP-style analysis that lets you pivot and filter without writing a single line of code

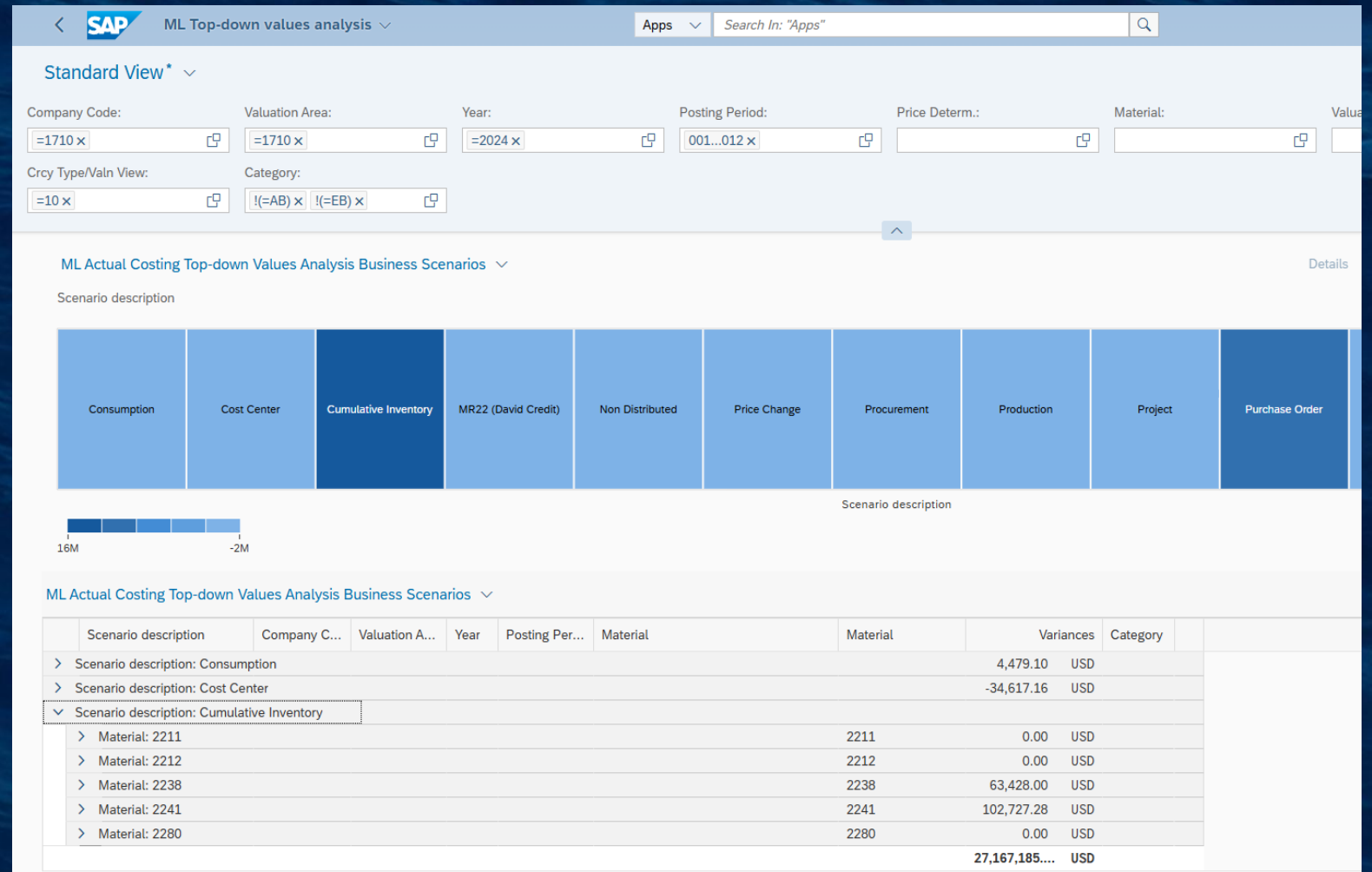
The screenshot displays the SAP ESAB Actual/Plan Product Cost report. The interface includes a top navigation bar with the SAP logo and a search bar. Below the navigation bar, there are filters for Fiscal Year Period (2025001 and 2025012) and Company Code (1710). The main table is titled 'Act Deb vs Planned Deb Var' and shows data for various order numbers and types. The table has columns for Order Number, Order Type, Actl Cost Debit, Plan Cost Debit, Plan DR/Actl DR V..., and DR Plan/Actl Varc(...). The data is presented in a grid format with alternating row colors. The Grand Total row is highlighted in yellow.

Order Number	Order ...	Actl Cost Debit	Plan Cost Debit	Plan DR/Actl DR V...	DR Plan/Actl Varc(...)
1002560	YBM1	\$ 0.00	\$ 500.00	\$ -500.00	-100.0000
1002561	YBM1	\$ 0.00	\$ 129.00	\$ -129.00	-100.0000
1002562	YBM1	\$ 0.00	\$ 129.00	\$ -129.00	-100.0000
1002580	YBM1	\$ 0.00	\$ 11,154.39	\$ -11,154.39	-100.0000
1002600	YBM1	\$ 1,350.00	\$ 1,695.00	\$ -345.00	-20.3540
1002620	YBM1	\$ 1.67	\$ 1.67	\$ 0.00	0.0000
1002621	YBM1	\$ 16,950.00	\$ 15,940.00	\$ 1,010.00	6.3363
1002622	YBM1	\$ 57,800.00	\$ 57,800.00	\$ 0.00	0.0000
1002623	YBM1	\$ 35.00	\$ 43.00	\$ -8.00	-18.6047
1002624	YBM1	\$ 39,500.00	\$ 39,500.00	\$ 0.00	0.0000
1002625	YBM1	\$ 36,315.00	\$ 36,315.00	\$ 0.00	0.0000
1002626	YBM1	\$ 1.67	\$ 1.67	\$ 0.00	0.0000
1002627	YBM1	\$ 47,400.00	\$ 47,400.00	\$ 0.00	0.0000
1002628	YBM1	\$ 43,578.00	\$ 43,578.00	\$ 0.00	0.0000
1002629	YBM1	\$ 69,360.00	\$ 69,360.00	\$ 0.00	0.0000
1002630	YBM1	\$ 169,959.50	\$ 159,400.00	\$ 10,559.50	6.6245
1002631	YBM1	\$ 200.40	\$ 200.40	\$ 0.00	0.0000
1002632	YBM1	\$ 58.00	\$ 58.00	\$ 0.00	0.0000
1002633	YBM1	\$ 52.50	\$ 68.50	\$ -16.00	-23.3577
2001020	YBM3	\$ 10,370.00	\$ 6,980.00	\$ 3,390.00	48.5673
2001021	YBM3	\$ 3,680.00	\$ 3,680.00	\$ 0.00	0.0000
2001040	YBM3	\$ 7,360.00	\$ 7,360.00	\$ 0.00	0.0000
Grand Total		\$ 504,126.47	\$ 501,448.33	\$ 2,678.14	0.5341

Three Main Analytical Tools

Overview Pages & ALPs

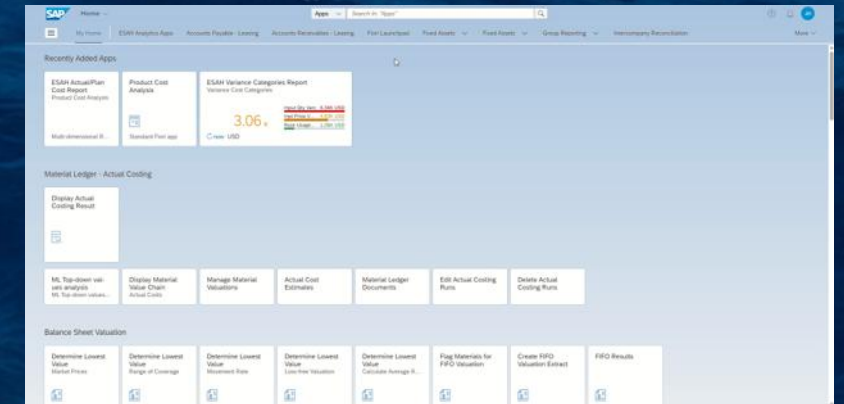
- Unified reports and dashboards combining **charts, tables, and actionable transactions** in one view — the ultimate expression of insight-to-action



Creating Smart KPIs: A Practical Example

Building a “Product Cost Deviation KPI” (F2814)

1. **Define your KPI:** Select your information goals and levels – don’t underestimate this step
2. **Select your data source:** Choose the right CDS View from the Virtual Data Model and your S/4HANA release — no SQL needed
3. **Configure dimensions & measures:** Set time; characteristics, as dimensions; and amount and quantity, as measures
4. **Add drill-down reports:** Link to detail views so users can explore what's behind the number
5. **Publish to Fiori Launchpad:** Appears as a live tile — real-time, always current



Demo Result: A live KPI tile showing your metric, updated in real-time, with one click to dive deeper.



KPI Design

Manage KPIs and
Reports

Query Design

View Browser
Browse ViewsCustom Analytical
Queries

Date Function

Manage Date
Functions
Define dynamic date...

Select "Manage KPIs and Reports" App



Download our videos here

Feed | LinkedIn

Feed | LinkedIn

ERP Streamlining Organizational C...

EXA Global Value Chain Mana...

Logon

ML Top-down values analysis

ML Top-down values analysis

Search In: "Apps"

?

🔔

JH

Standard View

My Views

Search

ML Actual Costing Top-down Values Analysis Business ...

ML Actual Costing Top-down Values Analysis Mass Cum...

ML Actual Costing Top-down Values Analysis Mass Cum...

ML Actual Costing Top-down Values Analysis PUP Trend

ML Actual Costing Top-down Values Analysis Recipient ...

ML Actual Costing Top-down Values Analysis Source of ...

ML Actual Costing Top-down Values Analysis Std vs. PUP

Save As

Manage

Year: 2024 X

Posting Period: 001...012 X

Price Determ.:

Material:

Valuation Type:

Scenario:

Go

Adapt Filters (6)

Business Scenarios

Details

View By

📊

🔍

⚙️

🔄

📄

📈

📅

Consumption

Cost Center

Cumulative Inventory

MR22 (David Credit)

Non Distributed

Price Change

Procurement

Production

Project

Purchase Order

Sales Order

Stock Transfer

Subcontracting

ML Actual Costing Top-down Values Analysis Business Scenarios

👁️

🔍

⚙️

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▼

🔄

	Scenario description	Company C...	Valuation A...	Year	Posting Per...	Material	Material	Variances	Category	
>	Scenario description: Consumption							4,479.10	USD	
>	Scenario description: Cost Center							-34,617.16	USD	
>	Scenario description: Cumulative Inventory							15,756,295....	USD	
>	Scenario description: MR22 (David Credit)							19,635.00	USD	
>	Scenario description: Non Distributed							-1,433.33	USD	
>	Scenario description: Price Change							-300,456.82	USD	
>	Scenario description: Procurement							-1,600.00	USD	
>	Scenario description: Production							-177,098.08	USD	
>	Scenario description: Project							0.00	USD	
>	Scenario description: Purchase Order							11,900,640....	USD	
>	Scenario description: Sales Order							-2,448.14	USD	
								27,167,185....	USD	

Five Takeaways

1. **Analytics runs directly on live transactional tables:** Users can access the analytics they need right where they work, making it easier to make data-driven decisions without switching between systems
2. **Designed for business users, not IT specialists:** SAP handles all the heavy lifting behind the scenes —all the analytical technical stuff, so you can focus on the business questions.
3. **Start with SAP's Pre-Built CDS Views:** Don't start from scratch. Find what SAP has already built for your process area and customize it to your needs
4. **Quick implementation:** you'll be able to build Fiori analytics easily and share them quickly with your user's community
5. **Remember the “Insight to Action” paradigm:** think on actionable reports, to allow users solve their findings immediately.

Questions & Answers

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