



# Die neuen GTM Fiori Apps und das virtuelle Datenmodell

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Public

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Die vorausschauenden Aussagen geben die Sicht zu dem Zeitpunkt wieder, zu dem sie getätigt wurden. Dem Leser wird empfohlen, diesen Aussagen kein übertriebenes Vertrauen zu schenken und sich bei Kaufentscheidungen nicht auf sie zu stützen.

# Agenda

1

## **Das virtuelle Datenmodell (VDM)**

Ziele, Struktur und die CDS-View Typen am Beispiel Trading Contract

2

## **Die neuen GTM Fiori Apps**

Im Fokus: Manage Trading Contracts App

3

## **Das VDM Erweiterungskonzept**

Wie erfolgen Erweiterungen, inklusive eines Beispiels

4

## **Zusammenfassung**

Gesamtüberblick und Zeit für Fragen

# Das virtuelle Datenmodell (VDM) - Ziele

Leicht verständlicher Zugang zu Daten des S/4HANA Systems

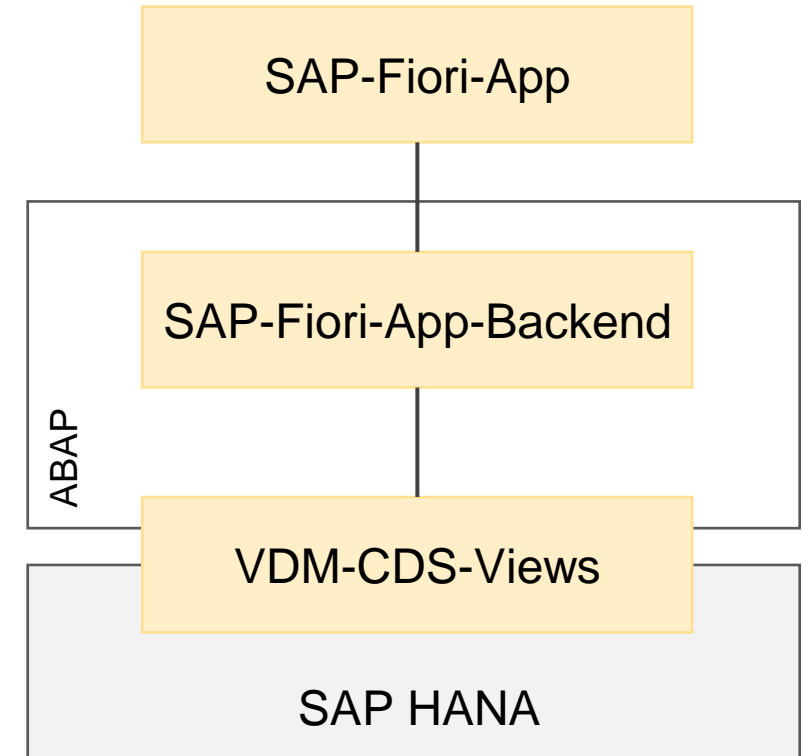
Nach zentralen Richtlinien und Standards entwickelt

Für die Wiederverwendung vorgesehen

Andere Modelle werden daraus abgeleitet

Bildet die Grundlage für verschiedene Verwendungszwecke

- Analytische Modelle
- Transaktionale Modelle
- Programmierschnittstellen (APIs)



# Das virtuelle Datenmodell (VDM) - Struktur

Consumption-Views

Composite-Interface-Views

Restricted-Reuse-Views

Basic-Interface-Views

Datenbanktabellen

# Das virtuelle Datenmodell (VDM) – Trading Contract

Composite-Interface-Views

I\_TrdgContr

Restricted-Reuse-Views

R\_TrdgContr

R\_TrdgDoc

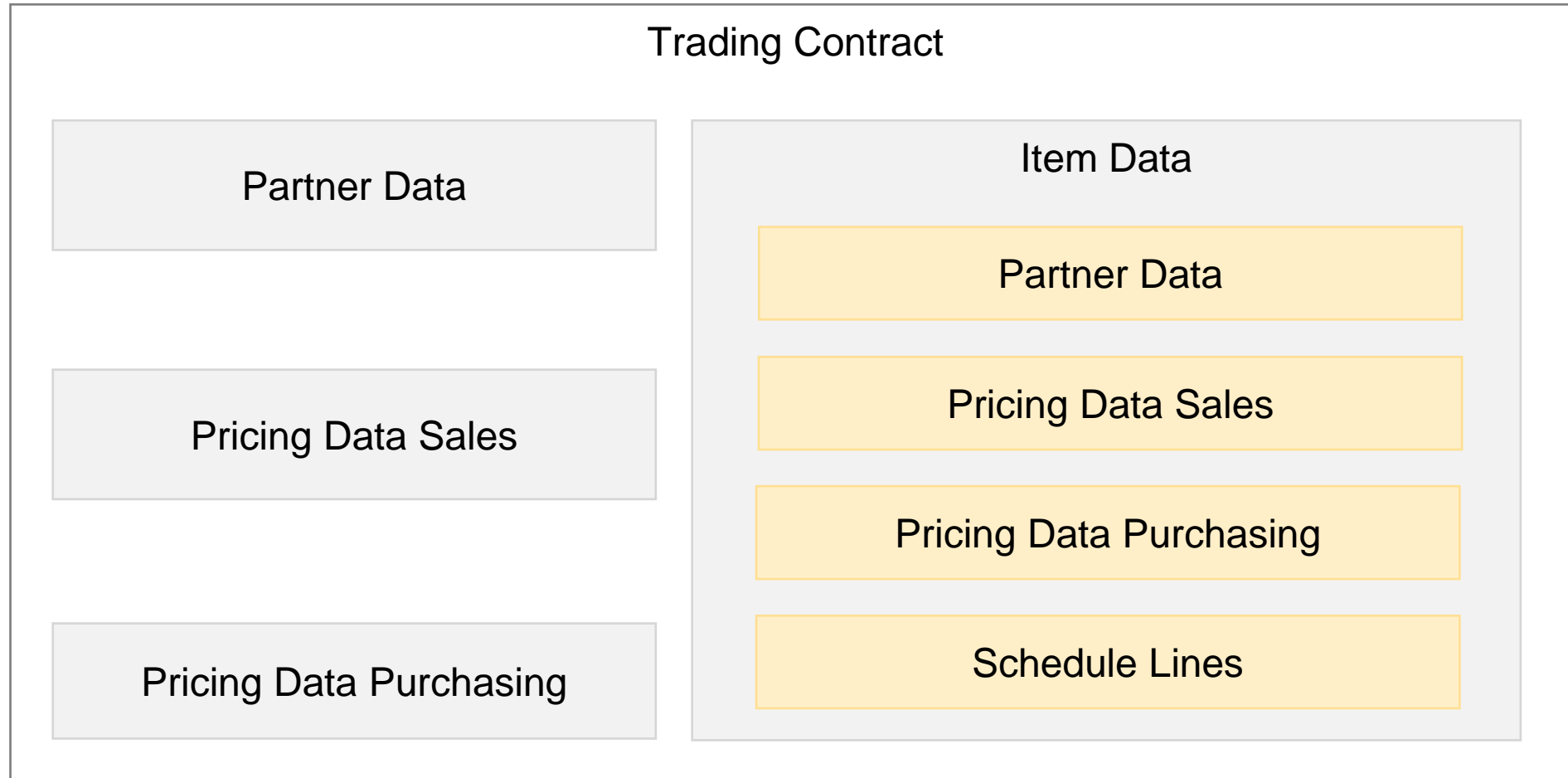
Basic-Interface-Views

R\_TrdgDocHeaderBasic

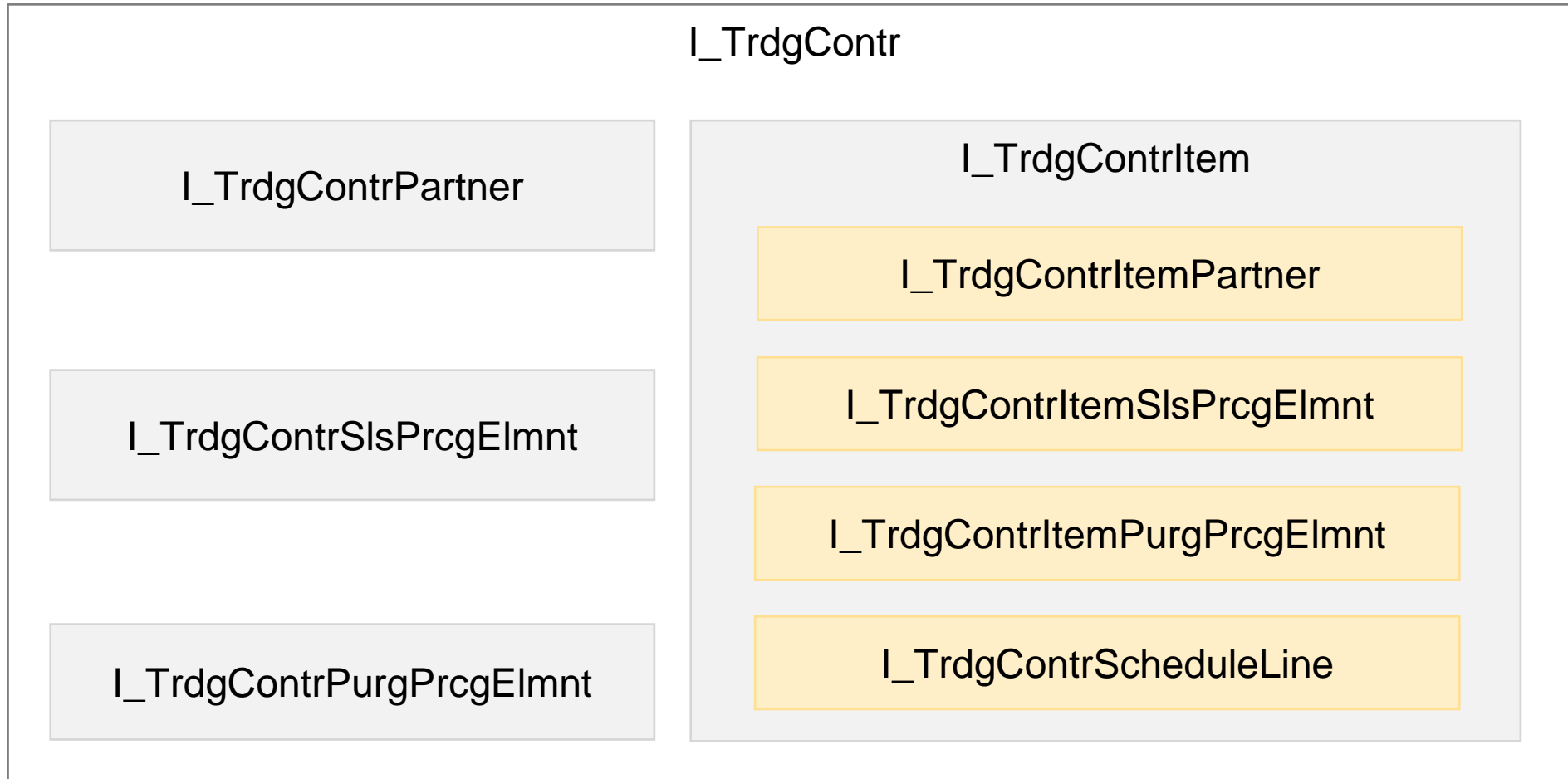
Datenbanktabellen

WBHK

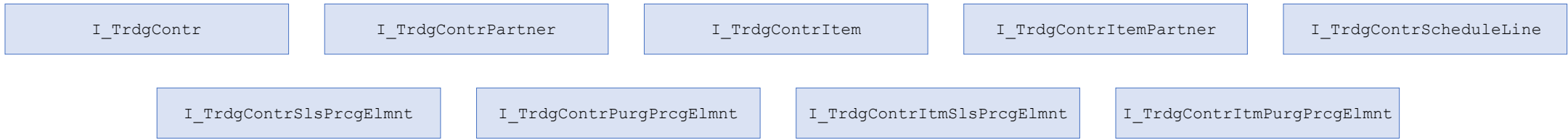
# Das virtuelle Datenmodell (VDM) – Composite Interface Views in GTM



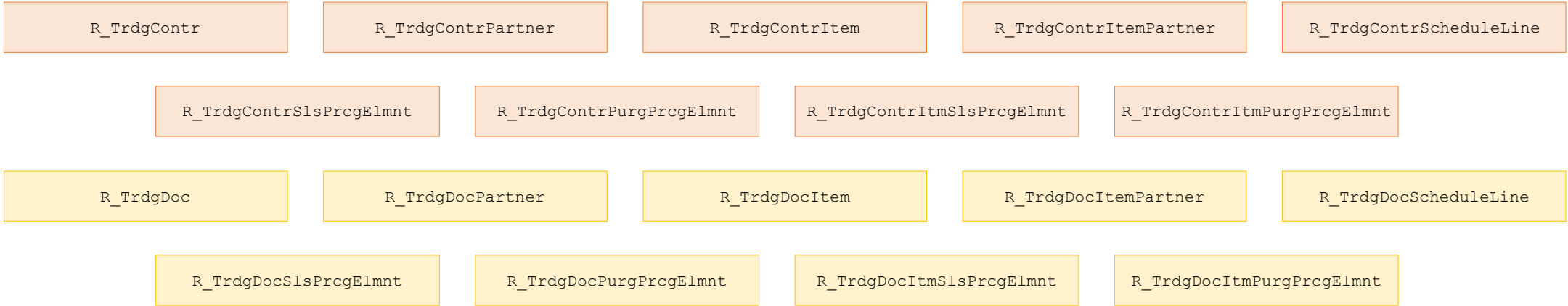
# Das virtuelle Datenmodell (VDM) – Composite Interface Views in GTM



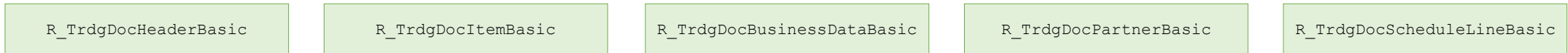




Composite Interface View



Restricted Reuse Views



Basic Views

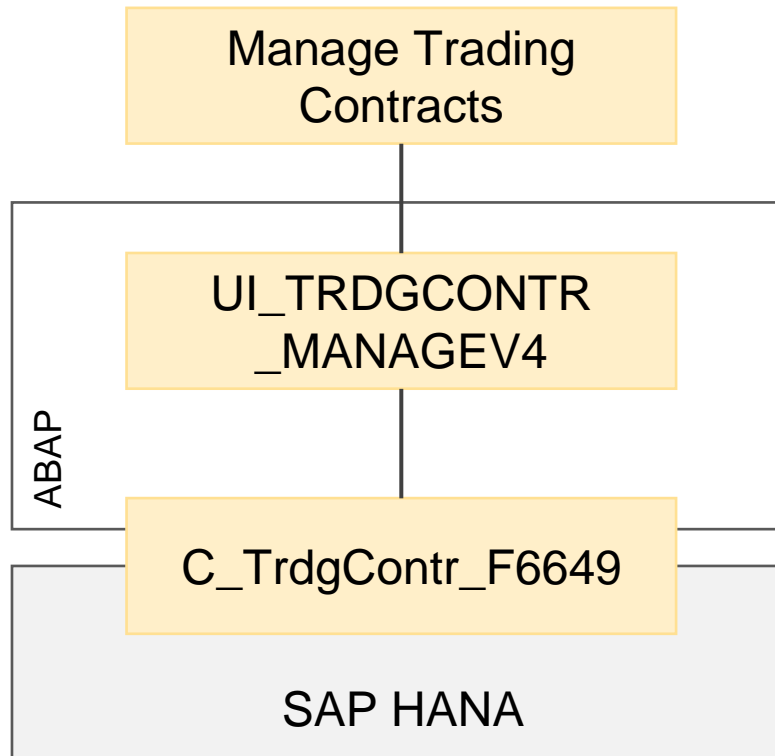


Database Tables

# Das virtuelle Datenmodell (VDM) – Consumption View

Die obertse Schicht von VDM-Views

Auf die Verwendung durch einen spezifischen Konsumenten zugeschnitten



The screenshot shows the SAP Manage Trading Contracts interface. The header includes the SAP logo, the title "Manage Trading Contracts", and navigation icons. Below the header, there are search and filter options, including a search bar and several dropdown menus for "Contract Type", "Application Status", "Release for Document", and "Delivery Date Sales". A "Go" button and "Adapt Filters (1)" are also visible. The main content area displays a table of trading contracts with 951 entries. The table has columns for Trading Contract, Sold-to Party, Supplier, External Identifier, Application Status, Release for Document, and Delivery Date Sales. The table is filtered to show 8 contracts.

Trading Contract	Sold-to Party	Supplier	External Identifier	Application Status	Release for Document	Delivery Date Sales
61		Test Supplier: CCS (CCSV000028)	FT_NK_EK_2012_1	Completed (Document Deleted Logically)	Release Not Possible Due to Status	
71	Test customer: CCS (CCSC000001)	Test Vendor: CCS (CCSV000001)	TEST	Released	Released	21.12.2016
72	Test customer: CCS (CCSC000001)	Test Vendor: CCS (CCSV000001)	TEST II	Ready for Archiving	Released	21.12.2016
73		Test Supplier: CCS (CCSV000028)	FT_TEST_NK_NICH T_AKTIV	Released	Released	
74	Test customer: CCS (CCSC000001)		ACQ	Ready for Archiving	Release Not Possible Due to Status	23.12.2016
81		Test Supplier: CCS (CCSV000028)	FT_NK_EK_2812_1	Open	Release Not Possible Due to Status	
82		Test Supplier: CCS (CCSV000028)	FT_NK_EK_2812_2	Released	Released	

# Die neuen GTM Fiori Apps – Manage Trading Contracts

SAP Manage Trading Contracts

Standard\* ↕

Search

Trading Contract:

Sold-to Party:

Supplier:

External Identifier:

Contract Type:

Application Status:

Release for Document:


Delivery Date Sales:

Adapt Filters (1)

Trading Contracts (951) 📄 ⚙️ 📄 ↕


Trading Contract	Sold-to Party	Supplier	External Identifier	Application Status	Release for Document	Delivery Date Sales	
61		Test Supplier: CCS (CCSV000028)	FT_NK_EK_2012_1	Completed (Document Deleted Logically)	Release Not Possible Due to Status		>
71	Test customer: CCS (CCSC000001)	Test Vendor: CCS (CCSV000001)	TEST	Released	Released	21.12.2016	>
72	Test customer: CCS (CCSC000001)	Test Vendor: CCS (CCSV000001)	TEST II	Ready for Archiving	Released	21.12.2016	>
73		Test Supplier: CCS (CCSV000028)	FT_TEST_NK_NICHT_AKTIV	Released	Released		>
74	Test customer: CCS (CCSC000001)		ACQ	Ready for Archiving	Release Not Possible Due to Status	23.12.2016	>
81		Test Supplier: CCS (CCSV000028)	FT_NK_EK_2812_1	Open	Release Not Possible Due to Status		>
82		Test Supplier: CCS (CCSV000028)	FT_NK_EK_2812_2	Released	Released		>

# Die neuen GTM Fiori Apps – Schedule Follow-On Documents

<  Job Details ▾ 🔍 ⓘ KB

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## Manage Follow-On Documents In Process

 Job Template: Manage Follow-On Documents  
Number of Steps: 1

⏪ ⏩

Scheduling Options   Run Details   Parameters

Start Immediately: Yes  
Time Zone of Job: Central Europe

Recurrence Pattern: Single Run  
If Date Falls on Non-Working Day: No Restriction

### Run Details

[Show Time Zone of Job](#)

---

**Run**

Planned Start: 01.04.2023, 18:44:23  
Start: 01.04.2023, 18:44:23

### Parameters

**Parameter Section (Step 1)**

# DEMO

# Das VDM Erweiterungskonzept – Custom Fields and Logic

The screenshot shows the SAP Extensibility dashboard. At the top left is the SAP logo and a 'Home' dropdown menu. On the right are search, notification, and 'KB' icons. Below the navigation bar, there are three tabs: 'DLM - Internal SAP Tools', 'DLM UI - Fiori Launchpad Admin TEST', and 'Extensibility' (which is selected and underlined). The main content area is titled 'Extensibility' and contains ten tiles arranged in two rows of five. The tiles are: 'Custom Business Objects' (All), 'Custom Reusable Elements' (All), 'Extensibility Inventory' (With Tasks), 'Configure Software Packages' (All), 'Register Extensions for Transport' (All), 'Custom CDS Views' (Urgent Tasks), and three 'Maintain Form Templates' tiles. The 'Custom Fields' tile, located in the second row, fourth column, is highlighted with a yellow border and contains an icon of a puzzle piece with a plus sign.

# Das VDM Erweiterungskonzept – Custom Fields and Logic


The screenshot displays the SAP 'Custom Fields and Logic' configuration page. A 'New Field' dialog box is open, showing the following details:

- Business Context:** Global Trade Management: Trading Contract Business Data (T...)
- Label:** Arrival Port
- Identifier:** ZZ1\_ ArrivalPortCDS
- Tooltip:** Arrival Port
- Type:** Code List based on CDS View
- Value Help View:** ZKN\_PORT\_VH

At the bottom of the dialog, there are three buttons: 'Create', 'Create and Edit', and 'Cancel'. The background shows a list of existing custom fields with columns for Name, Identifier, Business Context, Data Type, and Status. A yellow box highlights a '+' icon in the top right corner of the background interface.

Label	Identifier	Business Context	Data Type	Status
Label				Published
Arrival Date				Published
Arrival Port				Published
Arrival Port				Published
Business data item level				Published
Departure Date				Published
Departure Port	ZZ1_Departure_Port	Global Trade Management: Trading Contract Business Data	Text	Published
Departure Port	ZZ1_DeparturePortCDS	Global Trade Management: Trading Contract Business Data	Code List based on CDS View	Published

# Das VDM Erweiterungskonzept – Custom Fields and Logic

 Custom Fields and Logic ▼ Q 🔔 KB

## Arrival Port

Field Type: Code List based on CDS View Published

Identifier: ZZ1\_ArrivalPortCDS

Business Context: Global Trade Management: Trading Contract Business Data (TRADINGDOCUMENTBUSINESSDATA)

General Information User Interfaces (8) Analytics APIs (2) BO Operations Email Templates Form Templates Business Scenarios More ▼


All (8) Services (2) CDS Views (4) SAP GUI (2) ↑ ↓  Q

Data Source	Description	Type	Status	Action
C_TRDGCONTR_F6649	Manage Trading Contracts	CDS View	Enabled	Disable Usage
GTM_TRDG_CONTR_BUSHEADER_GUI	GTM: Trading Contract Business Data Header GUI	SAP GUI	Enabled	Disable Usage
GTM_TRDG_CONTR_BUSITEM_GUI	GTM: Trading Contract Business Data Item GUI	SAP GUI	Enabled	Disable Usage
I_TRDGCONTR	Trading Contract	CDS View	Enabled	Disable Usage
I_TRDGCONTRITEM	Trading Contract Item	CDS View	Enabled	Disable Usage
R_TRDGCONTRTP	Trading Contract - TP	CDS View	Enabled	Disable Usage
▼ UI_TRDGCONTR_MANAGE	Manage Trading Contracts	OData Service	Enabled	Disable Usage
TrdgContrType	Manage Trading Contracts	OData Entity	Enabled	Disable Usage

Save Publish Discard Changes Delete Cancel 🔗



# Das VDM Erweiterungskonzept – Custom Fields and Logic

<  Custom Fields and Logic ▾

Search 🔍 | Notifications 🔔 | KB

## Arrival Port

Field Type: Code List based on CDS View Published


Identifier: ZZ1\_ArrivalPortCDS

Business Context: Global Trade Management: Trading Contract Business Data (TRADINGDOCUMENTBUSINESSDATA)

General Information **User Interfaces (8)** Analytics APIs (2) BO Operations Email Templates Form Templates Business Scenarios More ▾

All (8) Services (2) CDS Views (4) SAP GUI (2) ↑ ↓ Search 🔍

Data Source	Description	Type	Status	Action
C_TRDGCONTR_F6649	Manage Trading Contracts	CDS View	Enabled	Disable Usage
GTM_TRDG_CONTR_BUSHEADER_GUI	GTM: Trading Contract Business Data Header GUI	SAP GUI	Enabled	Disable Usage
GTM_TRDG_CONTR_BUSITEM_GUI	GTM: Trading Contract Business Data Item GUI	SAP GUI	Enabled	Disable Usage
I_TRDGCONTR	Trading Contract	CDS View	Enabled	Disable Usage
I_TRDGCONTRITEM	Trading Contract Item	CDS View	Enabled	Disable Usage
R_TRDGCONTRTP	Trading Contract - TP	CDS View	Enabled	Disable Usage
UI_TRDGCONTR_MANAGE	Manage Trading Contracts	OData Service	Enabled	Disable Usage
TrdgContrType	Manage Trading Contracts	OData Entity	Enabled	Disable Usage >

Save **Publish** Discard Changes Delete Cancel 

# Das VDM Erweiterungskonzept – Custom Fields and Logic

The screenshot displays the SAP Fiori Launchpad interface for the 'Trading Contract Management' application. The top navigation bar includes the SAP logo, a 'Home' dropdown, search, help, and notification icons, and a user profile 'Pe'. The main content area is titled 'Trading Contract Management' and contains several tiles: 'Create Trading Contract', 'Change Trading Contract', 'Display Trading Contract', 'Manage Trading Contracts' (highlighted with a yellow border), and 'Monitor Item Status Trading Contract'. Below these is a 'Release Trading Contracts' tile with a 'Mass Processing' label. The bottom section is titled 'Trading Processing' and contains four tiles: 'Execute Trading Processes', 'Process Trading Expenses', 'Monitor Profit Trading Contract', and 'Display Conditions Trading Contract'.

# Das VDM Erweiterungskonzept – Custom Fields and Logic

The screenshot displays the SAP 'Manage Trading Contracts' interface. At the top, there is a navigation bar with the SAP logo, a back arrow, and the title 'Manage Trading Contracts'. On the right side of the navigation bar are icons for search, help, notifications, and a user profile labeled 'KB'. Below the navigation bar, the word 'Standard' is displayed in large blue font with a dropdown arrow. To the right of 'Standard' is a share icon with a dropdown arrow. The main area contains several filter fields: 'Trading Contract:' with a search input and a copy icon; 'Sold-to Party:' with a copy icon; 'Vendor:' with a copy icon; 'External Identifier:' with a copy icon; 'Contract Type:' with a dropdown arrow; 'Application Status:' with a dropdown arrow; 'Release for Document:' with a dropdown arrow; and 'Delivery Date Sales:' with a calendar icon. A blue 'Go' button and a yellow-bordered 'Adapt Filters' button are positioned to the right of the filter fields. Below the filters are two small circular icons: an upward arrow and a star. The main content area is titled 'Trading Contracts' and features a table with columns for 'Trading Contract', 'Sold-to Party', 'Vendor', and 'External Identifier'. The table is currently empty, and a message below it reads: 'To start, set the relevant filters and choose "Go".' In the top right corner of the table area, there are buttons for 'Create', a settings gear icon, a calendar icon, and a dropdown arrow.

# Das VDM Erweiterungskonzept – Custom Fields and Logic

The screenshot shows the SAP 'Manage Trading' interface with an 'Adapt Filters' dialog box open. The dialog has a title bar with 'Adapt Filters' and a 'Reset' button. Below the title bar is a dropdown menu set to 'All', a 'Show Values' button, and a search bar labeled 'Search for Filters'. The main area of the dialog is a list of fields, each with a checkbox and an 'Active' status indicator. The 'Arrival Port' field is checked and highlighted with a yellow box. At the bottom of the dialog, the 'OK' button is also highlighted with a yellow box.

Field	Active
<input checked="" type="checkbox"/> Trading Contract	
<input checked="" type="checkbox"/> Sold-to Party	
<input checked="" type="checkbox"/> Vendor	
<input checked="" type="checkbox"/> External Identifier	
<input checked="" type="checkbox"/> Contract Type	
<input checked="" type="checkbox"/> Application Status	
<input checked="" type="checkbox"/> Release for Document	
<input checked="" type="checkbox"/> Delivery Date Sales	
<input type="checkbox"/> Arrival Date	
<input checked="" type="checkbox"/> Arrival Port	
<input type="checkbox"/> Billing Block	
<input type="checkbox"/> Changed On	
<input type="checkbox"/> Collective Number	
<input type="checkbox"/> Created By	

# Das VDM Erweiterungskonzept – Custom Fields and Logic

The screenshot displays the SAP 'Manage Trading Contracts' interface. At the top, there is a navigation bar with the SAP logo, a back arrow, and the title 'Manage Trading Contracts'. On the right, there are icons for search, help, notifications, and a user profile 'KB'. Below the navigation bar, the word 'Standard' is displayed in large blue font with a dropdown arrow. The main area contains a search filter section with several input fields: 'Trading Contract:' (containing '=106 x'), 'Sold-to Party:', 'Vendor:', 'External Identifier:', 'Contract Type:', 'Application Status:', 'Release for Document:', 'Delivery Date Sales:', and 'Arrival Port:'. The 'Arrival Port:' field is highlighted with a yellow border. Below the filters are 'Go' and 'Adapt Filters (1)' buttons. A table titled 'Trading Contracts (1)' is shown below, with columns for 'Trading Contract', 'Sold-to Party', 'Vendor', and 'External Identifier'. The table contains one row with the following data: Trading Contract: 106, Sold-to Party: Country Distribution Center (RDUS), Vendor: Fashion Supplier in Asia (FACTVEN01), External Identifier: KABA001. Below the table, there are additional details: 'Application Status: Open', 'Release for Document: Release Not Possible Due to Status', and 'Delivery Date Sales: 14.06.2023'.

Manage Trading Contracts

Standard\*

Trading Contract: =106 x

Sold-to Party:

Vendor:

External Identifier:

Contract Type:

Application Status:

Release for Document:

Delivery Date Sales:

Arrival Port:

Go Adapt Filters (1)

Trading Contracts (1)


Trading Contract	Sold-to Party	Vendor	External Identifier
106	Country Distribution Center (RDUS)	Fashion Supplier in Asia (FACTVEN01)	KABA001


Application Status: Open





Release for Document: Release Not Possible Due to Status


Delivery Date Sales: 14.06.2023

# Das VDM Erweiterungskonzept – Custom Fields and Logic





<  Manage Trading Contracts ▾

Standard\* ▾  ▾

Trading Contract:   Sold-to Party:   Vendor:   External Identifier:  

Contract Type:  ▾ Application Status:  ▾ Release for Document:  ▾ Delivery Date Sales:   Arrival Port:  ▾

[Go](#) [Adapt Filters \(1\)](#)

Trading Contracts (1) [Create](#)     ▾

Trading Contract	Sold-to Party	Vendor	External Identifier	
106	Country Distribution Center (RDUS)	Fashion Supplier in Asia (FACTVEN01)	KABA001	>

Application Status: Open  
Release for Document: **Release Not Possible Due to Status**  
Delivery Date Sales: 14.06.2023

# Das VDM Erweiterungskonzept – Custom Fields and Logic

The screenshot shows the SAP 'Manage Trading' interface with a 'View Settings' dialog box open. The dialog has tabs for 'Columns', 'Sort', and 'Group', with 'Columns' selected. A search bar is at the top of the dialog. Below it, a list of fields is shown, each with a checkbox and a 'Show Selected' button. The 'Arrival Port' field is checked and highlighted with a yellow box. At the bottom of the dialog, the 'OK' button is also highlighted with a yellow box. The background shows a list of trading contracts with details like 'Trading Contract: 106', 'Sold-to Party: Country Distribution', 'Application Status: Open', 'Release for Document: Release Not Po', and 'Delivery Date Sales: 14.06.2023'.

**View Settings** Reset

**Columns** | Sort | Group

Search Show Selected

- Columns (8/90)
- Trading Contract
- Sold-to Party
- Vendor
- External Identifier
- Application Status
- Release for Document
- Delivery Date Sales
- Accounting Exchange Rate
- Alt.Tax Classific.
- Arrival Date
- Arrival Port ⬆️ ⬆️ ⬆️ ⬆️
- Billing Block
- Changed On

**OK** Cancel

# Das VDM Erweiterungskonzept – Custom Fields and Logic

< **SAP** Manage Trading Contracts ▾

Standard\* ▾

Search  Trading Contract:  Sold-to Party:  Vendor:  External Identifier:

Contract Type:  Application Status:  Release for Document:  Delivery Date Sales:  Arrival Port:

**Go** Adapt Filters (1)

Trading Contracts (1) Create

Trading Contract	Sold-to Party	Vendor	External Identifier	
106	Country Distribution Center (RDUS)	Fashion Supplier in Asia (FACTVEN01)	KABA001	>

Application Status: Open  
Release for Document: **Release Not Possible Due to Status**  
Delivery Date Sales: 14.06.2023  
Arrival Port: USNYC



# Das VDM Erweiterungskonzept – Custom Fields and Logic

The screenshot displays the SAP 'Manage Trading Contracts' interface. At the top, there is a navigation bar with the SAP logo, the title 'Manage Trading Contracts', and utility icons for search, help, notifications, and a user profile labeled 'KB'. Below this, a 'Standard\*' filter is active. The main area contains several filter fields: 'Trading Contract' (with a search icon and a value '=106 x'), 'Sold-to Party', 'Vendor', 'External Identifier', 'Contract Type', 'Application Status', 'Release for Document', 'Delivery Date Sales', and 'Arrival Port'. A 'Go' button and 'Adapt Filters (1)' are located at the bottom right of the filter section. A table below shows a single entry for a trading contract with columns for 'Vendor' (Fashion Supplier in Asia (FACTVEN01)) and 'External Identifier' (KABA001). A dropdown menu is open over the '106 Trading Contract' entry, listing options: 'Change Trading Contract', 'Create Trading Contract', and 'Display Trading Contract' (which is highlighted with a yellow border). A 'More Links' option is also visible at the bottom of the menu.

106  
Trading Contract

- Change Trading Contract
- Create Trading Contract
- Display Trading Contract

More Links

Vendor	External Identifier
Fashion Supplier in Asia (FACTVEN01)	KABA001

# Das VDM Erweiterungskonzept – Custom Fields and Logic

**SAP** Display Trading Contract (Two-Sided) Drop Shpmt 106

Menu Overview Expenses Status Overview Trading Contracts Profit Simulation User Settings Services for Object Exit

Trading Contract: 106 Trading Contract (Two-Sided) Drop Shpmt

Sold-to Party: RDUS Country Distribution Center / 100 main street / New York 10100 Person Responsible: NIEWEGLOWS

Vendor: FACTVEN01 Fashion Supplier in Asia / 100 Man Street / 123456 shanghai Beijing Document Date: 25.04.2023

Net Value: 0,00 USD / 1,00000 M Exchange Rate Date: 25.04.2023

External Identifier: KABA001

Document Management **Custom Fields Business Data**

Arrival Date: 09.06.2023

Arrival Port: USNYC

Departure Date: 29.05.2023

Departure Port: CNSHA

# Das VDM Erweiterungskonzept

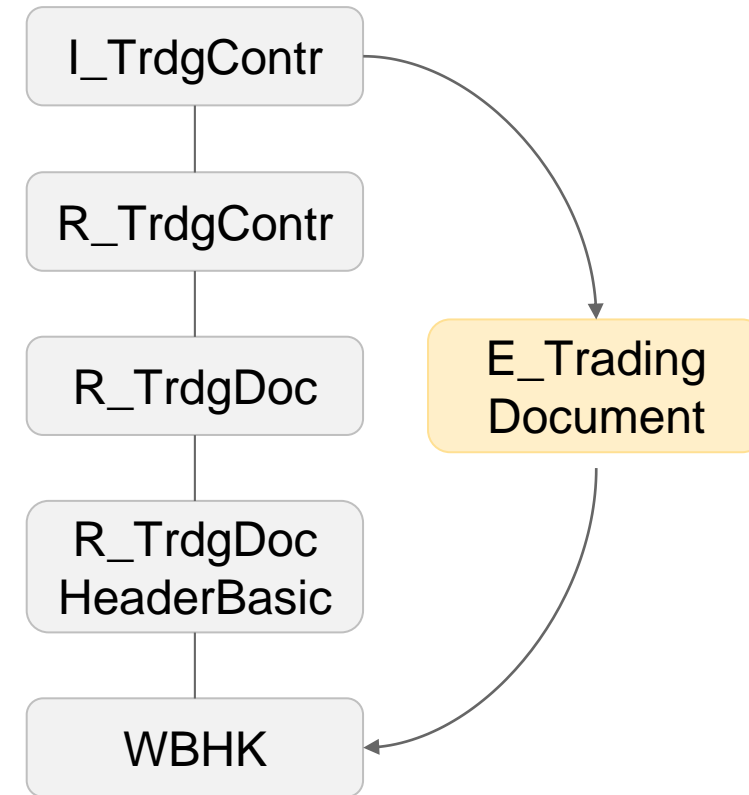
Zur Definition kundeneigener Views werden C1 freigegebene CDS Views verwendet

Zur Erweiterung von Views um kundeneigene Felder müssen diese von SAP dafür registriert sein

Key-User-Apps erleichtern kundeneigene Erweiterungen →  
Zielgruppe: Fachexperten

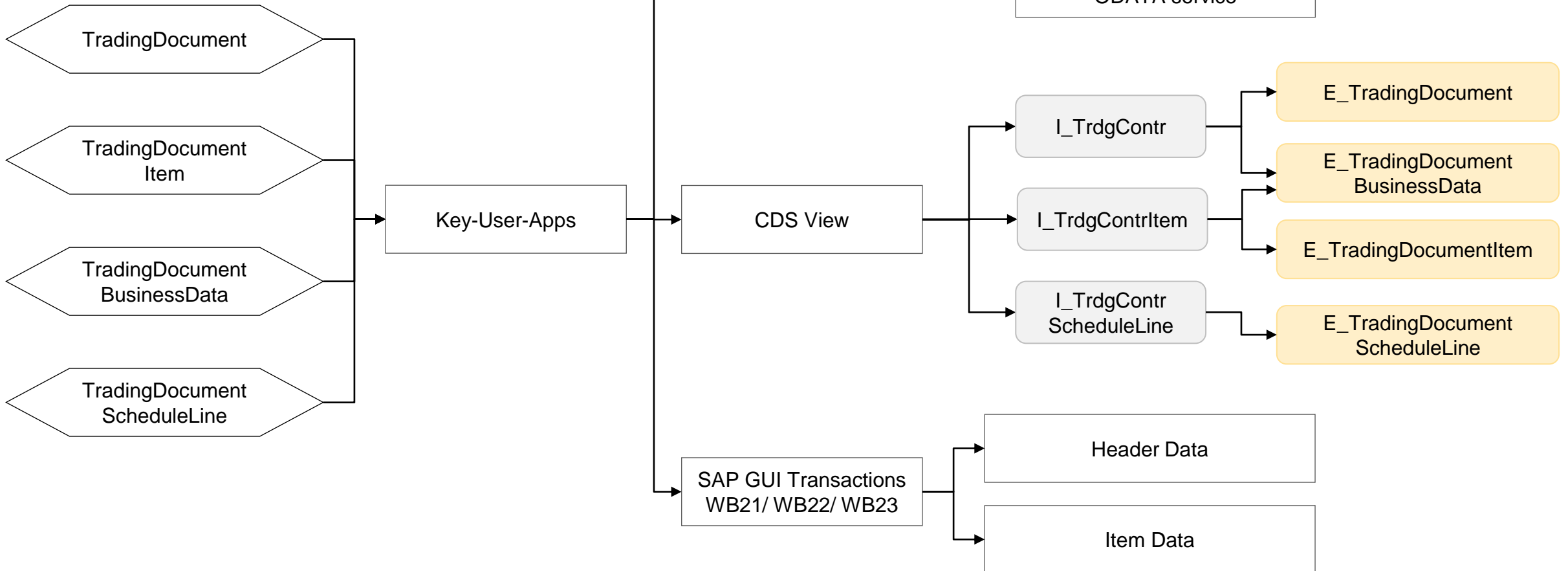
Indirekte CDS-View-Erweiterungen empfohlen

Extension-Include-Views werden als Datenquelle für Erweiterungsfelder genutzt



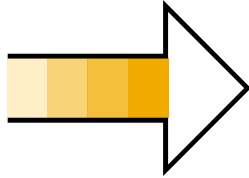
# Das VDM Erweiterungskonzept

## Registered Business Context



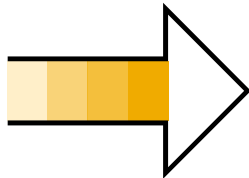
# Zusammenfassung

## Das virtuelle Datenmodell



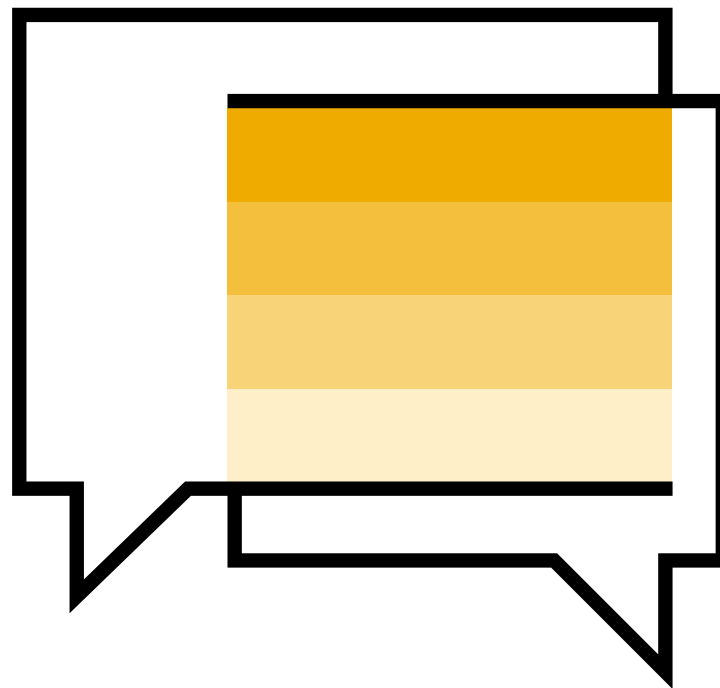
- Einblick in das ausgelieferte VDM für Trading Contracts
- Erweiterungskonzept vorgestellt
- Beispielimplementierung kundeneigener Felder
- Kundeneigene Views basierend auf dem VDM

## Fiori Apps



- Manage Trading Contracts App
- Schedule Follow-On Documents App

**Q & A**



# Thank you.

Contact information:

Katharina Bah  
Product Owner Global Trade Management

