

run()



TEC206 – Extensibility Concepts for SAP S/4HANA

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Speakers

Las Vegas, Sept 19 - 23

Felix Wente

Bangalore, October 5 - 7

Mamatha K H

Barcelona, Nov 8 - 10

Felix Wente



Agenda

Extensibility in SAP S/4HANA

Key User In-App Extensibility

Side-by-Side Extensibility

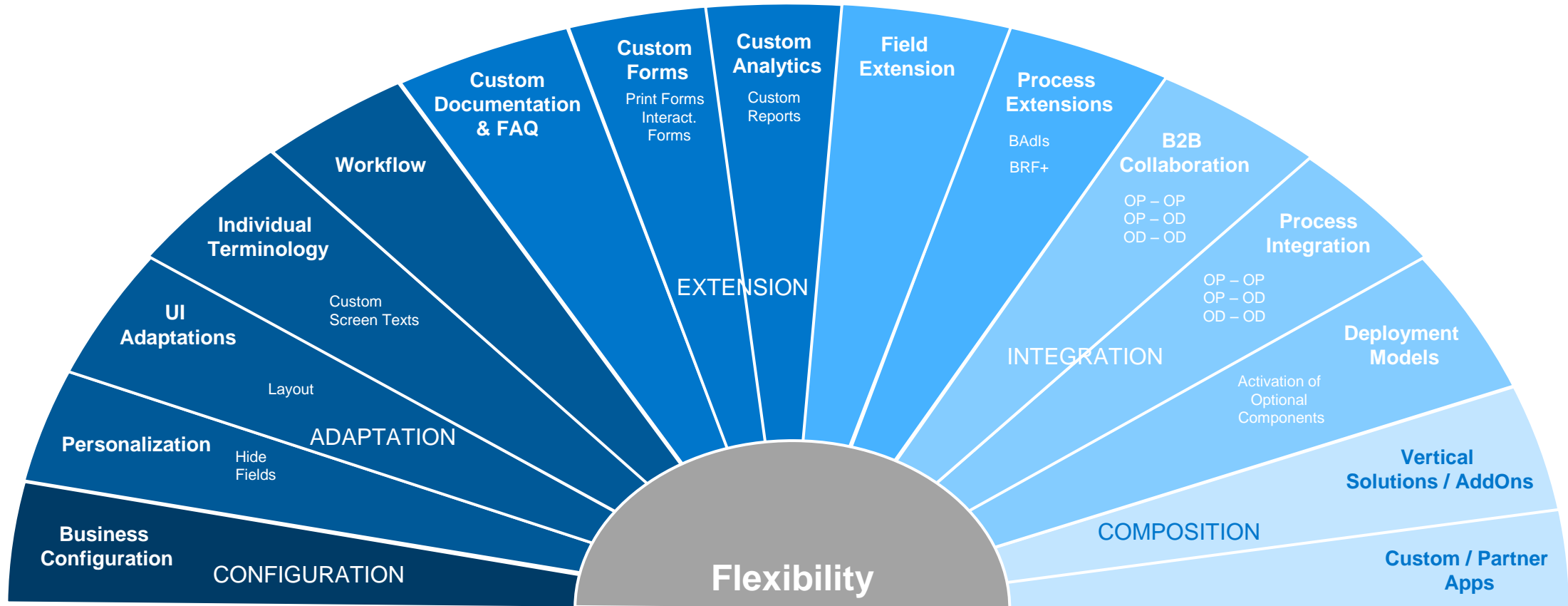
Classic Extensibility

SAP S/4HANA APIs

Summary & Outlook

Extensibility in SAP S/4HANA

Flexibility in SAP S/4HANA



SAP S/4HANA

Deployment Options

SAP S/4HANA Enterprise Management			SAP S/4HANA Enterprise Management Cloud	
On Premise	HANA Enterprise Cloud	Deployment	Private Cloud option	Public Cloud Option
Full ERP Scope	Full ERP scope	Scope	Full ERP scope	Focused scenarios across lines of business
Full process flexibility; complete configuration scope, extensions and modifications possible	Full process flexibility; complete configuration scope, extensions and modifications possible	Process Flexibility	Full process flexibility and configuration options within standardized packages; extensions possible; No modifications allowed	Guided process flexibility; extensions via custom code services; No modifications allowed
Traditional Licensing Model	Traditional Licensing Model + Subscription	SW & DB Licensing	Single subscription contract	Single subscription contract
Customer responsibility	Available as additional, customer-specific options	Appl. Mgmt. Services	Included in single subscription contract	Included in single subscription contract
Customer responsibility	Customer-specific options	Infrastruct. Mgmt.	Included in single subscription contract	Included in single subscription contract
Based on support agreement	Customer-specific options	Support	Cloud Enterprise Support	Cloud Enterprise Support
Customer	Customer	System Governance	SAP with Customer interaction	SAP
Full; customer owns configuration, operation, upgrade	Customer involvement is part of the model	Customer Involvement	Limited; Customer responsible for testing	Very limited customer responsibility
Web + SAPGui	Web + SAPGui	End User Access	Web + SAPGui	Web only
Annual Updates	Annual Updates	Innovation Cycle	Quarterly Service Packs, yearly releases	Quarterly Updates



On-premise Attributes

Hybrid Attributes

Cloud Attributes

SAP S/4HANA

On premise versus Cloud

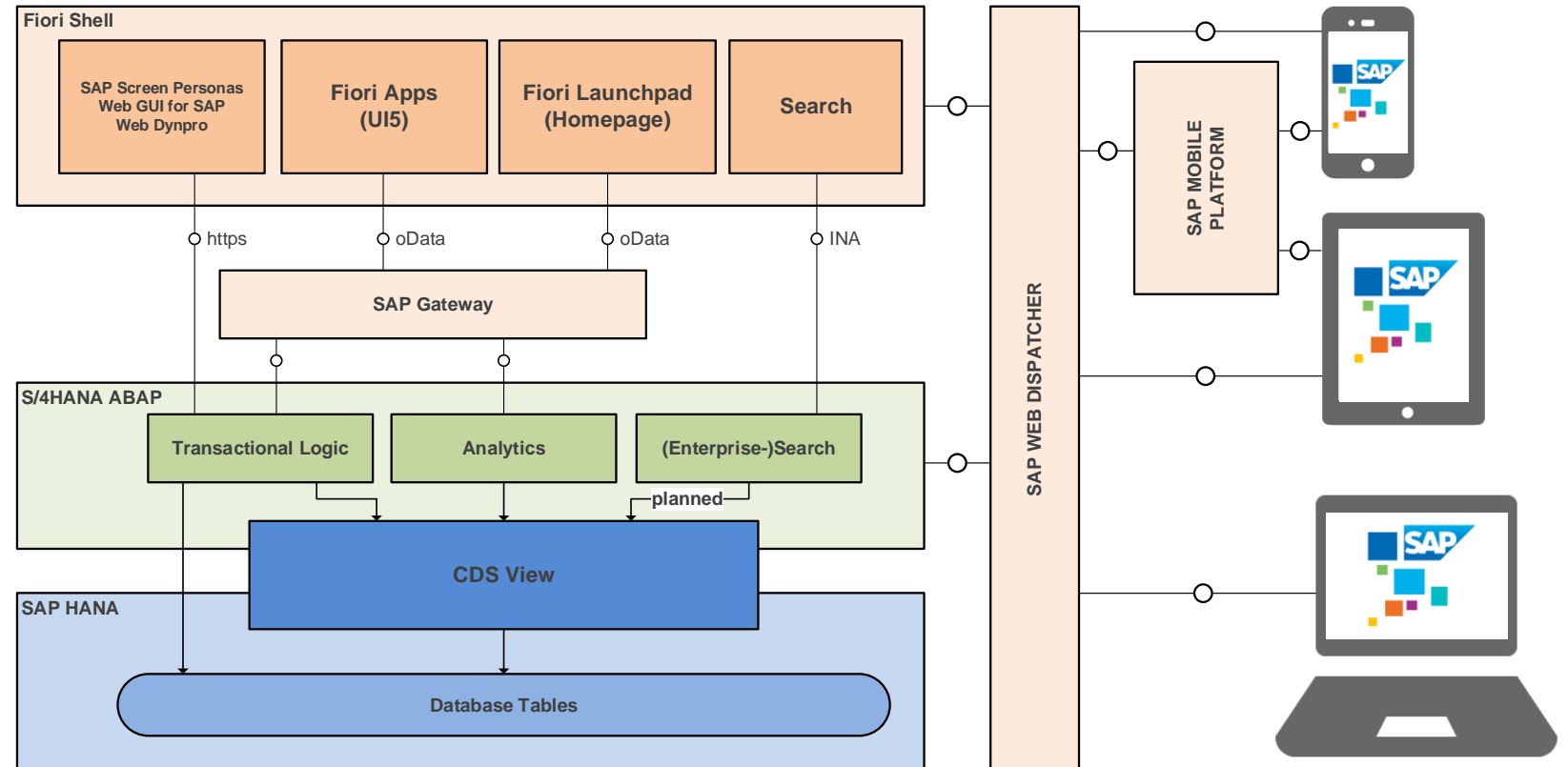
		
Customer Expectations	Maximal flexibility in business critical processes far beyond standardization.	Always newest patches, new innovations easily available
Update Cycle	Slow, customer decides on update	Fast, based on fixed schedule
Extensibility Concept	Not only about adding business logic, sometimes even modification required. But: Strong desire to reduce TCO where possible!	Loosely coupled extensions and cloud-ready lifecycle processes guarantee system stability
Business Expert Empowerment	IT as the mayor player But: Strong desire to fasten innovation cycles – need to involve LOBs!	LoBs drive innovations Business experts easily apply non-disruptive changes without risk

High Level Stack Architecture SAP S/4HANA

Real-time architecture, ready to win in the digital economy

SAP S/4HANA Architecture is much simpler than classical Business Suite architecture

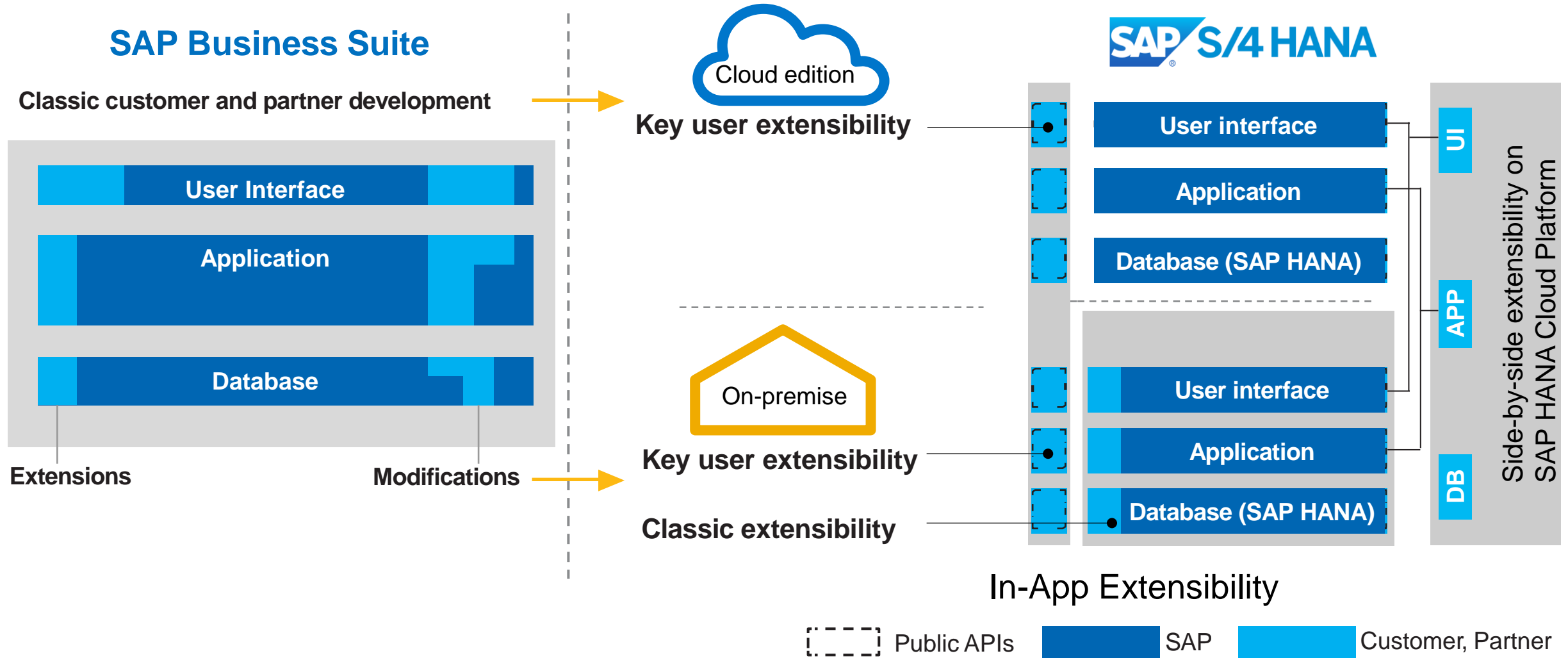
- Data structures
(Compatibility provided through Core Data Services)
- Application engines
- Launchpad / Fiori
(SAPGUI for Windows still available for compatibility reasons on-premise)



This is the current state of planning and may be changed by SAP at any time.

SAP S/4HANA Extensibility

Cloud and On premise



Key User In-App Extensibility

SAP S/4HANA Extensibility

Roles & Needs

Business User



✓ I want to

- ✓ Change order of columns in a table
- ✓ Hide tabs
- ✓ Change format of dates/numbers
- ✓ Hide few apps on launchpad

- ✓ **My changes should not affect other people**

Business Expert, Implementation Consultant



✓ I want to

- ✓ Add/change business rules/logic
- ✓ Add custom fields, tables, reports, forms
- ✓ Use my company theme/logo
- ✓ Change layout

- ✓ **My changes should affect people in my LOB/company**

Developer



✓ I want to

- ✓ Add/change complex business logic
- ✓ De-couple software lifecycle of standard and extensions

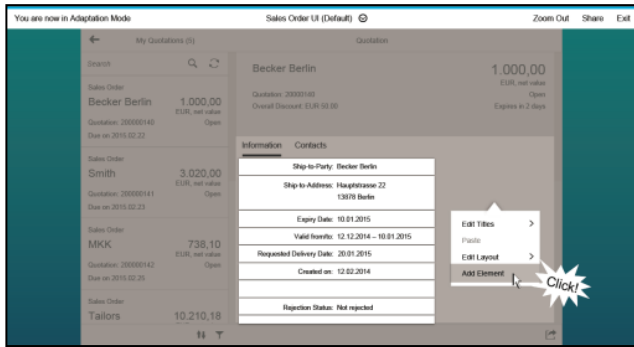
- ✓ **My changes should affect people in my company**

SAP S/4HANA Extensibility

Key User Extensibility – Easy Changes & Extensions of a Fiori App

UI-Layout-Changes

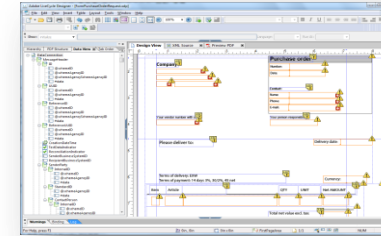
e.g. hide, move, add existing fields



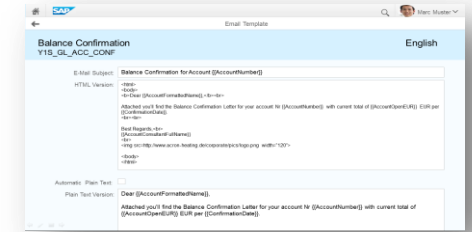
Report Adaptation



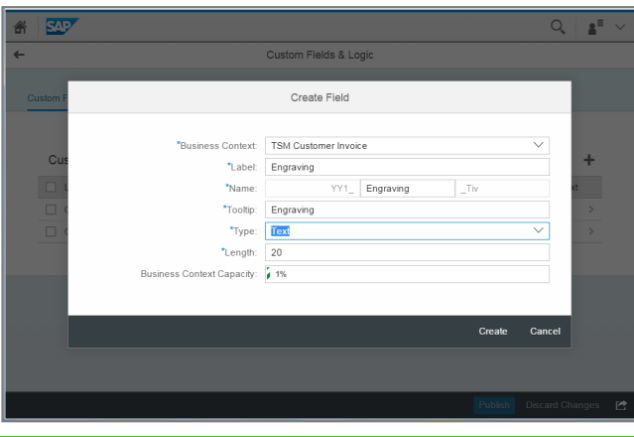
Forms Designer



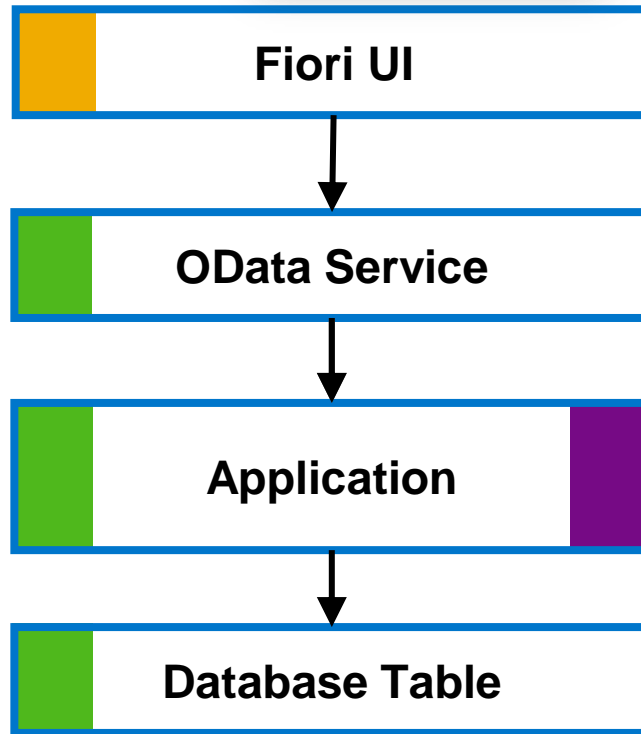
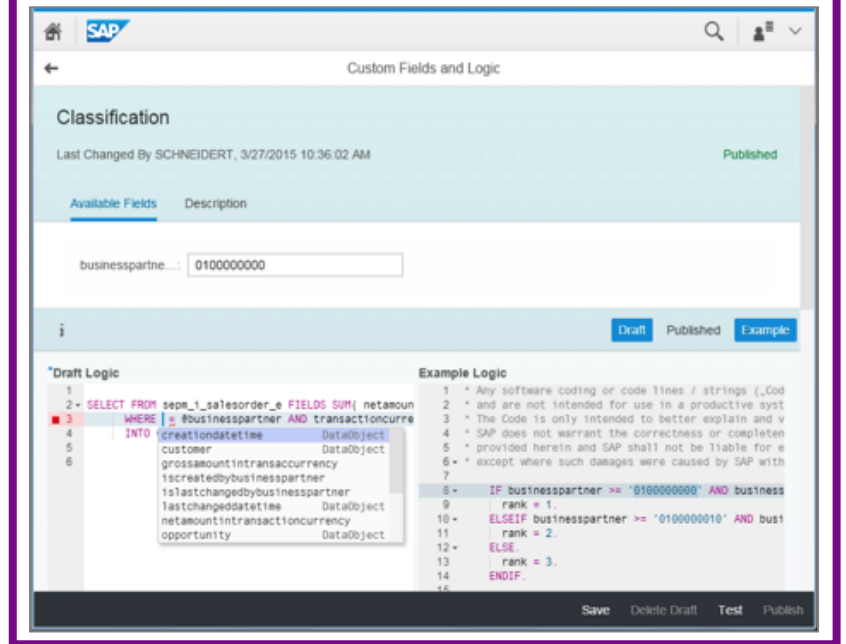
E-Mail Template Designer



Add custom fields



Add customer specific logic (BAdI)



SAP S/4HANA Key User Extensibility: Custom Fields & UI Flexibility

1 Switch Your Application to Personalization Mode

2 UI Personalization: Hide/move/add fields

The screenshot shows the SAP S/4HANA Sales Order details page. The 'Sales Order Details' section is expanded, showing 'General Information' and 'Further Information'. A red box highlights the gear icon in the top right corner of the 'Sales Order Details' section, indicating the Personalization Mode toggle.

Item	Product	Description	Quantity
10	HT-1001	Notebook Basic 17 with 2,80 GHz quad core, 17" LCD, 4 GB DDR3 RAM, 500 GB Hard Disc, Windows 8 Pro	1 EA

The screenshot shows the 'Personalize Form' dialog box overlaid on the Sales Order details page. The dialog box allows users to customize the form by selecting or deselecting fields. A red box highlights the 'Create New Field' button in the top right corner of the dialog box.

- General Information
 - Sales Order Id
 - Gross Amount
 - Customer
- Further Information
 - Lifecycle Status
 - Billing Status
 - Delivery Status
 - Last Changed By
 - Last Changed On

Buttons: OK, Cancel, Restore, Transport

SAP S/4HANA Key User Extensibility: Custom Fields

3 New Custom Field

Custom Fields and Logic

New Field

*Business Context: TSM Sales Order Header

*Name: EngravingFont

*Identifier: YY1_ EngravingFont _TSo

*Tooltip: EngravingFont

*Type: List

*Length: 3

Business Context Capacity: 11%

List Values

List Values (2)

Code Value	Description
101	Tahima
102	

Create

Go Back to UI Personalization and Add Custom Field to the UI

4 Managed the Usages of the Custom Field

Custom Fields and Logic

Engraving Font

List (3) Published

YY1_EngravingFont_TSo

TSM Sales Order Header

GENERAL INFORMATION SCREENS & REPORTS EMAIL TEMPLATES PRINT FORMS

Description	Available	Search Relevant
<input type="checkbox"/> Generated income of reps per quarter	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Refuses, product specific per sales org	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Quarterly income from sales orders	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Market of product branches	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Save Publish Discard Changes Cancel

SAP S/4HANA Key User Extensibility: Custom Fields

Example: Extended Business Partner Header Table (BUT000) – Extension Include

Field	Data Element	Data Type	Length	Decimal Places	Short Description
CLIENT	CLNT	MANDT	3	0	Client
PARTNER	BU_PARTNER	CHAR	10	0	Business Partner Number
...					
NAME_LAST	BU_NAMEP_L	CHAR	40	0	Last name of business partner
NAME_FIRST	BU_NAMEP_F	CHAR	40	0	First name of business partner
...					
.INCLUDE	INCL_EEW_BUT000				EEW Extension of BUT000
BP_EEW_DUMMY	DUMMY	CHAR	1	0	Dummy function in length 1
.APPEND	YY1_TSHIRTSIZE_BUH_P	STRU	0	0	YY1_TShirtSize
YY1_TSHIRTSIZE_BUH	YY1_TSHIRTSIZE	CHAR	3	0	YY1_TShirtSize

*Extension Append
& Field (Customer)*

*Extension Include
(SAP)*



SAP TECHED DEV716 (Code Review)

Extensibility in SAP S/4HANA: Insights to the Generated Backend Objects

SAP S/4HANA Key User Extensibility: Custom Fields

Example: CDS View

```
define view I_CfdTsm_Bupa as
  select from P_CfdTsm_Bupa as BuPa
```

Extension
Association

```
  association[1] to I_CfdTsm_Bupa_Hdr_Incl as BuPaHeaderExtension
    on BuPaHeaderExtension.id = BuPa.Id
  association[1] to I_CfdTsm_Bupa_Adr_Incl as BuPaAddressExtension
    on BuPaAddressExtension.parent_id = BuPa.Id
```

```
{
  key BuPa.Id as Id,
  ...
}
```

CDS View
(SAP)

```
@AbapCatalog.sqlViewAppendName: 'Y1578599AAC2F897'
```

```
extend view I_CFDTSM_BUPA
  with YY1_KLONUXDBLLZ6FYCD62R2EZHHXE
  {
    BuPaHeaderExtension.YY1_TSHIRT_SIZE_TBH as YY1_TShirtSize_Tbh
  }
```

Extension
(Customer)



SAP S/4HANA Key User Extensibility: Custom Fields

Example: Extended Odata Service

OData
Service

```
<EntityType Name="BusinessPartner" sap:content-version="1">
  <Key>
    <PropertyRef Name="Id"/>
  </Key>
  <Property Name="Id" Type="Edm.String" Nullable="false" MaxLength="10" sap:label="Business Partner ID"
    sap:creatable="false" sap:updatable="false" sap:sortable="false" sap:filterable="false"/>
  <Property Name="Name" Type="Edm.String" Nullable="false" MaxLength="1" sap:label="Name"
    sap:creatable="false" sap:updatable="false" sap:sortable="false" sap:filterable="false"/>
  ...
  <Property Name="YY1_tshirtsizesize_Tbh" Type="Edm.String" MaxLength="3"
    sap:field-control="YY1_tshirtsizesize_TbhF"
    sap:text="YY1_tshirtsizesize_TbhT" sap:label="T-Shirt Size" sap:is-extension-field="true"/>
</EntityType>
...

<EntityType Name="YY1_tshirtsizesize" sap:content-version="1">
  <Key>
    <PropertyRef Name="Code"/>
  </Key>
  <Property Name="Code" Type="Edm.String" Nullable="false" MaxLength="3"
    sap:text="Description" sap:label=" T-Shirt Size "/>
  <Property Name="Description" Type="Edm.String" MaxLength="60" sap:label=" T-Shirt Size (Desc.)"/>
</EntityType>
```

SAP S/4HANA Key User Extensibility: Custom Business Logic

ABAP Web Editor with Key user experience

- Purpose: Implement lightweight BAdIs released for cloud usage – no application development
E.g. Checks, Mappings, Calculation
- Easy consumption of released APIs
- Syntax check & highlighting, code completion
- Draft (sandboxing) / published, testing included
- Restricted ABAP:
 - Robustness / security / data consistency
 - The following statements are not allowed: any DB operation except selects from released views, tweaking new tasks, dynamic programming, code generation, obsolete ABAP statements

The screenshot displays the SAP ABAP Web Editor interface for configuring Custom Fields and Logic. The top navigation bar includes the SAP logo, a search icon, and a user profile icon. The main header is "Custom Fields and Logic". Below this, there is a "Classification" section with the text "Last Changed By SCHNEIDERT, 3/27/2015 10:36:02 AM" and a "Published" status indicator. A table with columns "Available Fields" and "Description" is visible, with a search input field containing "businesspartne..." and a value "010000000". Below the table, there are buttons for "Draft", "Published", and "Example". The main content area is split into two panes: "Draft Logic" and "Example Logic". The "Draft Logic" pane shows a SQL query snippet:

```
1 SELECT FROM sepm_i_salesorder_e FIELDS SUM( netamoun
2 WHERE @businesspartner AND transactioncurre
3 INTO creationdatetime DataObject
4 customer DataObject
5 grossamountintransaccurrency
6 iscreatedbybusinesspartner
7 lastchangeddatetime DataObject
8 netamountintransaccurrency
9 opportunity DataObject
```

 The "Example Logic" pane shows a conditional logic snippet:

```
1 * Any software coding or code lines / strings („Cod
2 * and are not intended for use in a productive syst
3 * The Code is only intended to better explain and v
4 * SAP does not warrant the correctness or completen
5 * provided herein and SAP shall not be liable for e
6 * except where such damages were caused by SAP with
7
8 IF businesspartner >= '010000000' AND business
9 rank = 1.
10 ELSEIF businesspartner >= '0100000010' AND busi
11 rank = 2.
12 ELSE.
13 rank = 3.
14 ENDIF.
15
```

 At the bottom of the interface, there are buttons for "Save", "Delete Draft", "Test", and "Publish".

[Video link](#)

SAP S/4HANA Key User Extensibility: Custom Business Logic

Example: Program Coding

*SELECT from
public CDS view*

```
SELECT FROM i_salesorder FIELDS SUM( netamount )  
WHERE customer = @businesspartner INTO @DATA(amount).  
  
IF amount > 400000.  
    rank = 1.  
ELSEIF amount > 100000.  
    rank = 2.  
ELSEIF amount > 50000.  
    rank = 3.  
ELSE.  
    rank = 0.  
ENDIF.
```

Web-based
ABAP

*Error
messages*

The statement COMMIT is invalid

e.g.

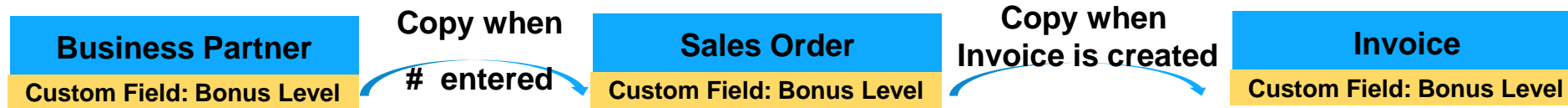
```
COMMIT WORK.
```

<private_view> is not defined

```
SELECT count( * ) FROM <private_view> INTO @DATA(counter).
```

Restrictions

Process oriented field extensibility



How is it used?

Custom Field UI allows to select an Business Scenario

The screenshot shows the 'Business Scenarios' tab in a SAP configuration interface. The title is 'Scenarios Available in Business Context TSM Business Partner Header (1)'. The table below lists the scenarios and their field usage.

Description	Field Usage	
Business Partner to Invoice	Disabled	Enable Usage
TSM Business Partner Header to TSM Sales Order Header		
TSM Sales Order Header to TSM Invoice		

SAP S/4HANA Key User Extensibility: Custom Business Objects

The screenshot shows the SAP S/4HANA interface for configuring a Custom Business Object named 'LocalEvent'. The object is published and has the identifier 'YY1_LOCALEVENT'. The configuration details include:

- Name: LocalEvent
- Name in Plural: LocalEvents
- Created: 3/18/2016 12:51:37 PM, Werner Wolf
- Changed: 3/24/2016 4:27:37 PM, Werner Wolf
- Custom Logic:
- Original Language: English
- UI Generation: (with links for 'Go To Generated UI' and 'Maintain Ca...')

The 'Structure' section shows a table with the following data:

Name	Identifier	Name in Plural	Details
LocalEvent	LOCALEVENT	LocalEvents	Go to Fields and Logic
Rating	Rating	Ratings	Go to Fields and Logic

Custom Business Objects

- Table extensibility: New (standalone) custom tables that are not child tables of SAP tables
- CDS views and OData services and UI to feed data through a UI or data load from other customer systems
- Creating a new application with simple business logic



SAP S/4HANA Key User Extensibility: Analytics Extensibility

The screenshot shows the SAP Query Builder interface for a query named 'Query for Cost Center' (ZCOSTCENTERQUERY). The interface is divided into several sections:

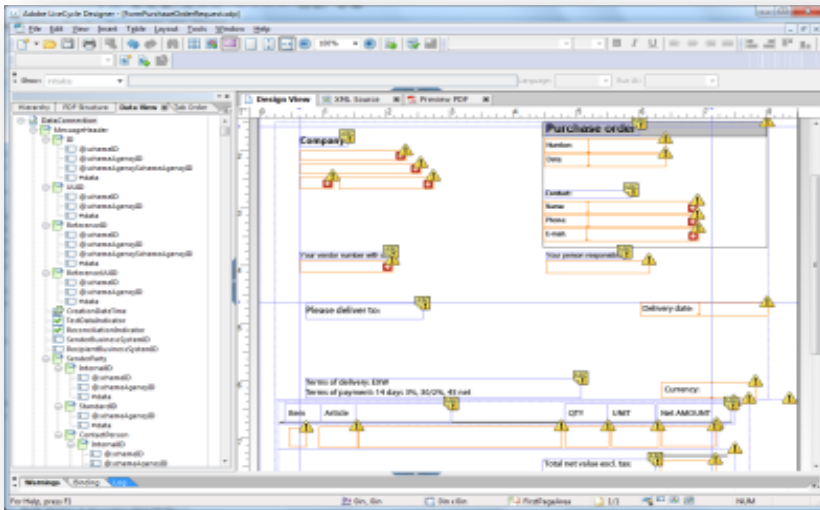
- Selection:** Includes tabs for Selection, Display, Filter, and Preview.
- Display Attributes (9):** A table listing attributes with columns for Name, Technical Name, and Dimension. The 'Cost Center Group' attribute is selected.
- Properties - Cost Center Group:** A configuration panel for the selected attribute, showing fields for Name, Technical Name, New Label, Display As, Text, and an 'Always Display' checkbox.
- Buttons:** At the bottom, there are buttons for 'Edit Source', 'Activate', 'Save', and 'Cancel'.

Name	Technical Name	Dimension
Reduction	reduction_internal	ZTAXATION
Cost Center Group	cost_ctr_grp	ZCOSTCENTER
Cost Element	cost_element	ZCOSTCENTER
Currency	curr_us	ZCURRENCY
Tax	tax_local	ZTAXATION
Controlling Group	controlling_grp	ZCOSTCENTER
Controlling Area	controlling_area	ZCOSTCENTER
Ledger	ledger_type	ZCURRENCY
Amount	amount	ZTAXATION
Reduction	reduction_internal	ZTAXATION

Query Builder

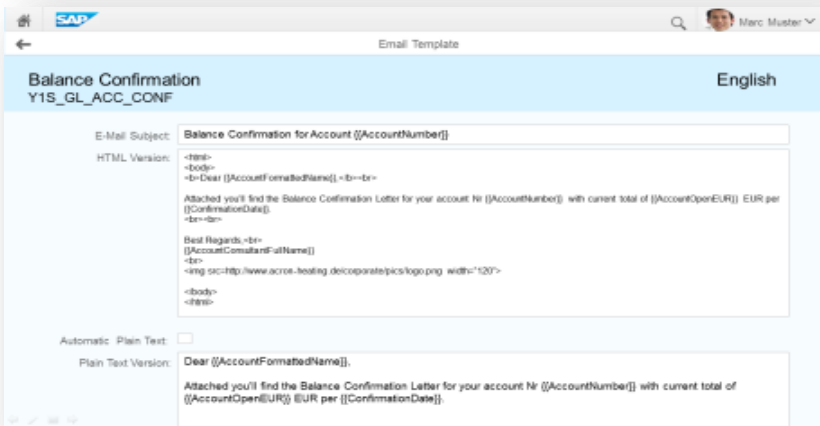
- Copy a query from a SAP delivered standard analytical query
- Add or remove or customize field defined in the query (defining new labels for a field, display data as key or text, show or hide result rows etc.)
- Add or remove filters (pre-configured fixed value filters or user input values filters)
- Create parameters to read the values from the user
- Create custom fields such as restricted measures or calculated measures
- Testing included: Preview the results by executing the report

SAP S/4HANA Key User Extensibility: Forms Extensibility



Adobe Forms Designer: Create a new form template

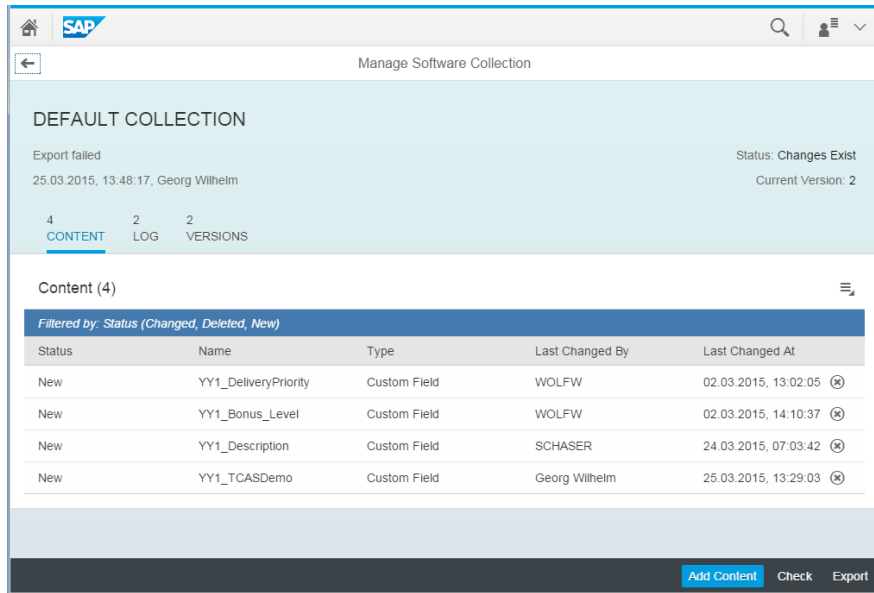
- as a copy of a SAP standard form
- based on an existing data source (ODATA service)
- based on an extended ODATA service using already existing fields and associations from published CDS views
- based on a new data source (ODATA service)



E-Mail Template Designer Create a new e-mail template

- based on an existing data source (CDS View)
- based on an extended SAP data source (CDS View)
- based on a new data source (CDS View)

SAP S/4HANA Key User Extensibility: Lifecycle Management



The screenshot shows the 'Manage Software Collection' interface in SAP. It displays a table of content items with columns for Status, Name, Type, Last Changed By, and Last Changed At. The table is filtered by 'Status (Changed, Deleted, New)'. The items listed are:

Status	Name	Type	Last Changed By	Last Changed At
New	YY1_DeliveryPriority	Custom Field	WOLFW	02.03.2015, 13:02:05
New	YY1_Bonus_Level	Custom Field	WOLFW	02.03.2015, 14:10:37
New	YY1_Description	Custom Field	SCHASER	24.03.2015, 07:03:42
New	YY1_TCASDemo	Custom Field	Georg Wilhelm	25.03.2015, 13:29:03

Public Cloud: Transport from Q to Prod

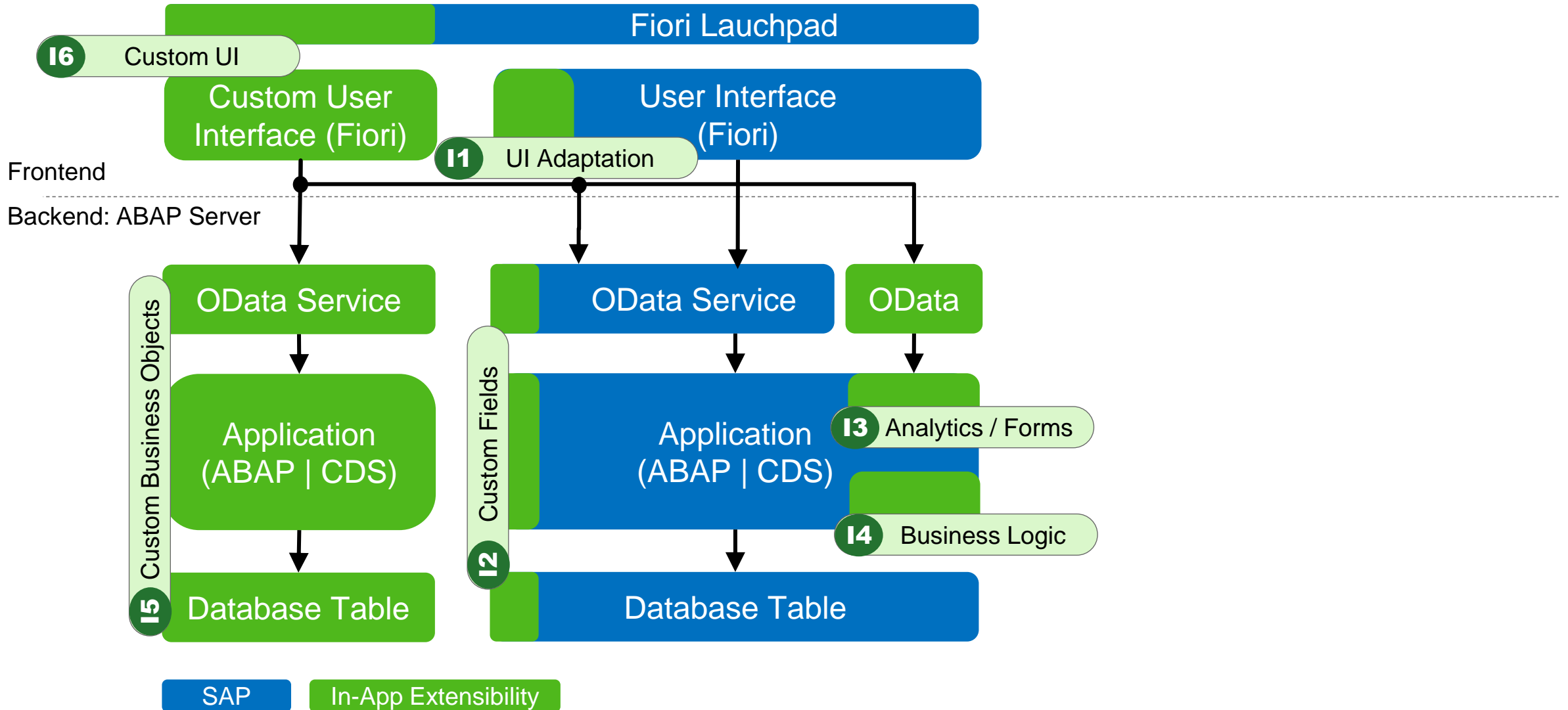
- SAP updates: All extensibility capabilities offered to customers must continue to work after an SAP software update without manual work; in other words: SAP software updates do not depend on adaptations by the customer.
- The transport of adaptations from the test to the production system is performed by the key user without interaction with the service provider and outside of the maintenance window of the service provider.

On Premise: Transport from Dev to Q to Prod

- Customer manages SAP updates and customer transport with “classical” transport tools (correction and transport system, CTS)

[Video link](#)

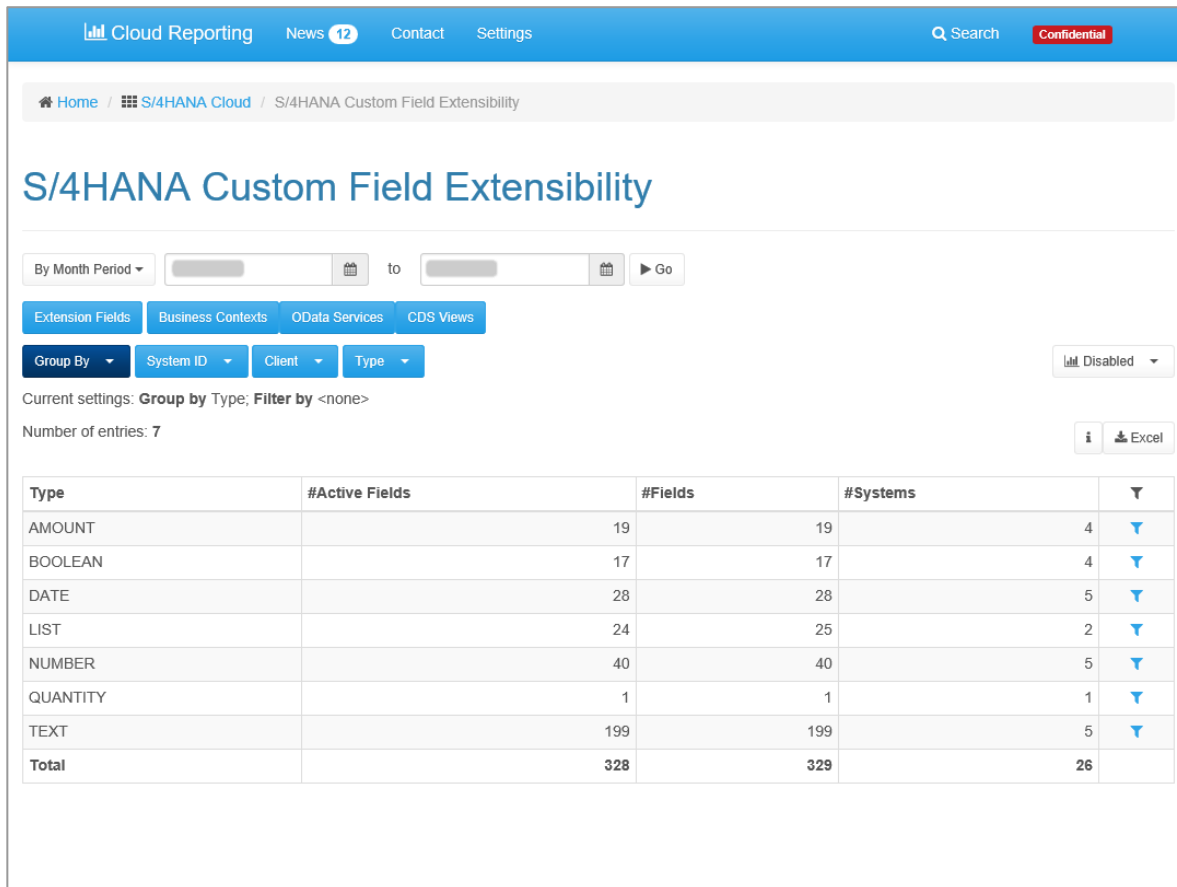
SAP S/4HANA Extensibility Scenarios



Customer Feedback Marketing Edition

Key Messages

- ✓ All implementing customers/partners have used the app “Custom Fields and Logic” without help of SAP
- ✓ Very positive Feedback: “Cool App”; “Finally an easy app to create fields”; “Will the app also be available onPremise”



Type	#Active Fields	#Fields	#Systems	
AMOUNT	19	19	19	4
BOOLEAN	17	17	17	4
DATE	28	28	28	5
LIST	24	25	25	2
NUMBER	40	40	40	5
QUANTITY	1	1	1	1
TEXT	199	199	199	5
Total	328	329	329	26

Side-by-Side Extensibility

SAP S/4HANA and SAP HANA Cloud Platform (HCP) in a nutshell

Extension Scenarios

HCP: Extend reach. Integrate. IoT.

Side-by-side extensibility with HCP

- Integrate with SAP Cloud apps and 3rd party solutions
- Input from external users, mobility etc.
- Extend core processes by before and after steps, (e.g., customer service or triggers from sensor data)
- New standalone cloud apps (IoT etc.)

S/4HANA: Enrich the Core

In-app extensibility

- Variants of standard processes and business logic (e.g., micro vertical solutions, localization)
- Focus on company owned business documents (e.g., legal compliance)
 - Analytics extensibility, e.g., tailored operational reporting for minimized asset allocation



SAP S/4HANA Extension Scenarios

Technology Perspective

HCP: Extend reach. Integrate. IoT.

Side-by-side extensibility with HCP

- HTML5, SAP Fiori and OData
- Develop application with Java or HANA XS
- Integrate with Cloud Connector and HCI

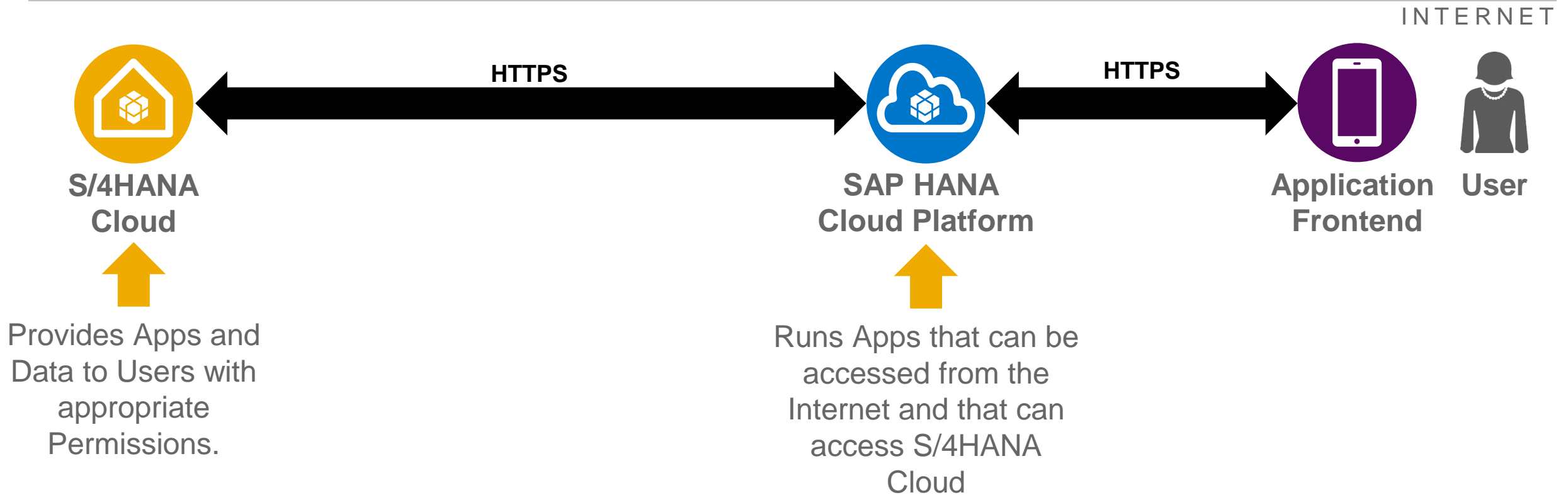
SAP S/4HANA: Enrich the Core

In-app extensibility

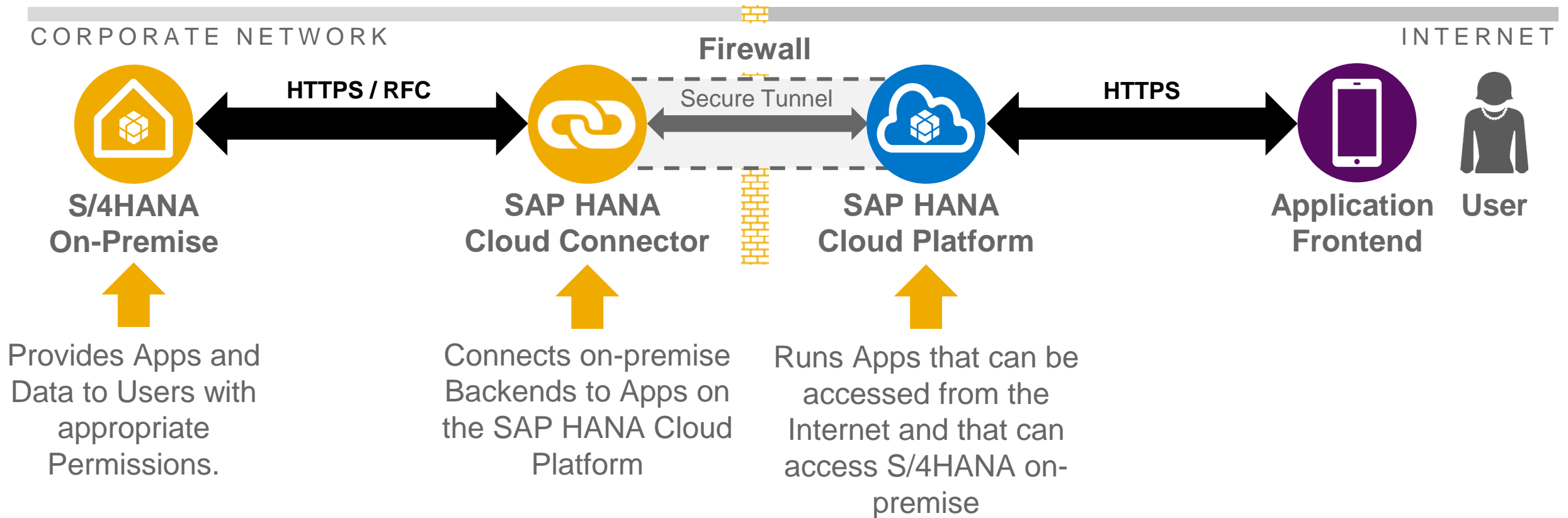
- Key User: Fields and tables, business logic (rules frameworks etc.)
- Developer: Classic ABAP (on-premise only) & Restricted ABAP (cloud)



Basics: Extending S/4HANA Cloud Edition



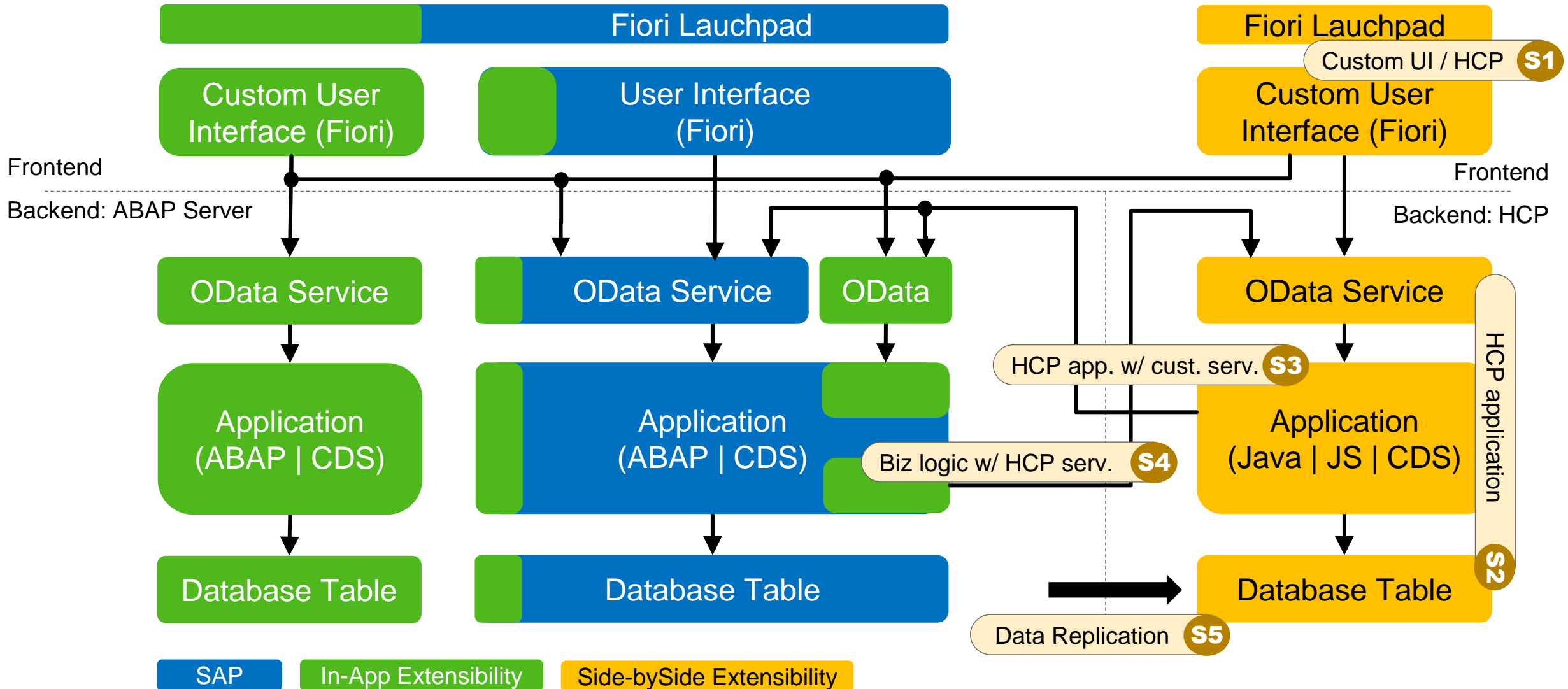
Basics: Extending S/4HANA On-Premise



Extending in S/4HANA on HCP is Simple



SAP S/4HANA Extensibility Scenarios



Classic Extensibility

S/4HANA Changes relevant for classic extensibility

Overview about scope changes in SAP S/4HANA Finance (example)

Note 2119188 describes financials processes, enterprise extensions, industry solutions released

Note 1946054 comparison of EhP7 programs and transactions with Simple Finance

...

<https://help.sap.com/sfin200>

Simplification Database

Typical scenario: Index&shadow tables are converted into SAP HANA compatibility views

Functionality pushdown into SAP HANA/CDS

Key extensions (e.g. MATNR 18->40 characters)

Released APIs are changed in a compatible way

When using non-released remote APIs, customers might have to adopt their code

SAP S/4HANA Migration

ABAP Custom Code Migration - Adapt S/4HANA Changes - Tool Support

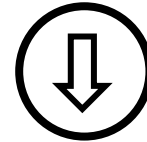
1 Download Simplification Database from SMP and upload to analysis system

2 Run Custom Code Extractor and transfer metadata to analysis system

3 Optional: Get usage data to restrict effort for productively used custom code

4 Work on customer specific hits

Task



Customer ERP DEV or Q System

Custom Code Extractor

Customer ERP Productive System

Collect Usage Data



Analysis System

Simplification DB

Changed/deprecated functionality
Changed/deprecated business processes

&

Custom code metadata

Used SAP objects
Extended SAP objects
Modified SAP objects

&

Customer specific metadata

Usage data from productive System

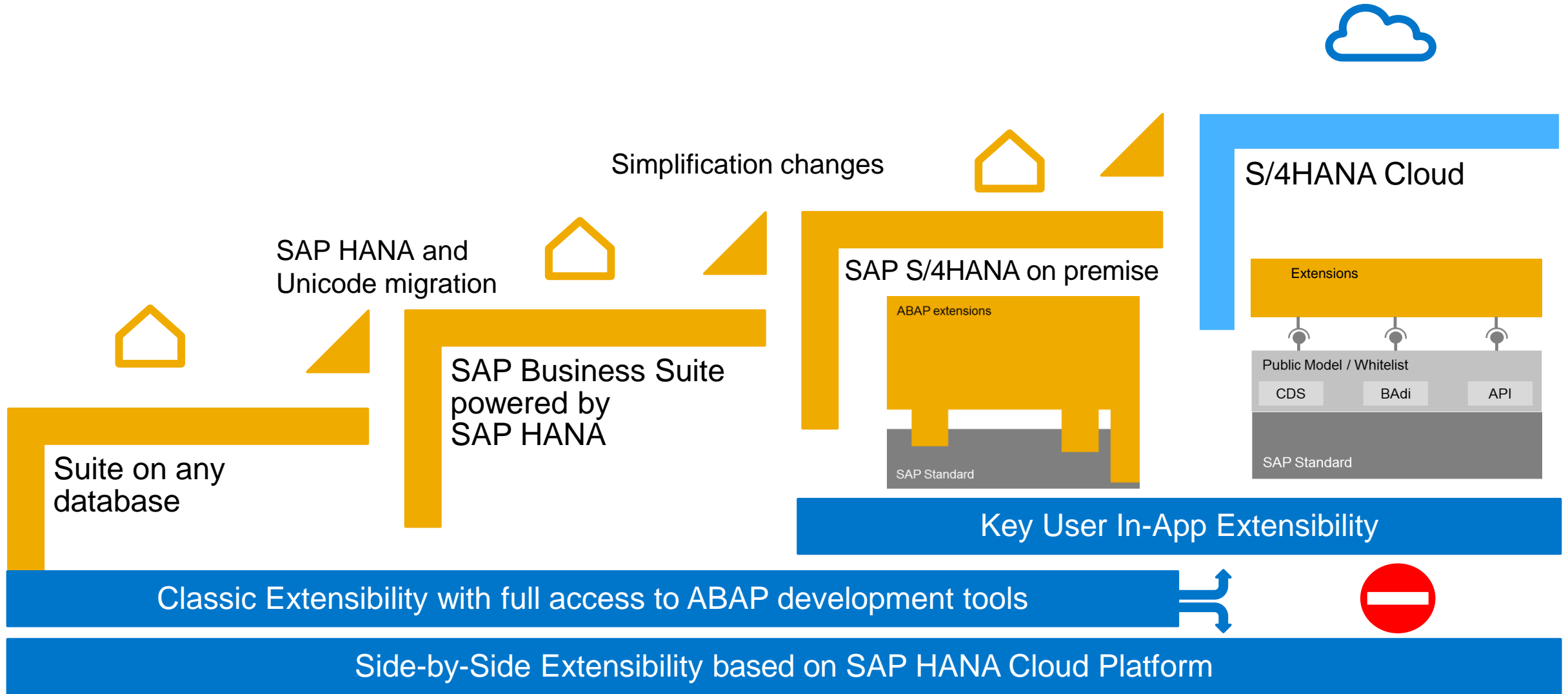
=

Result of Analysis

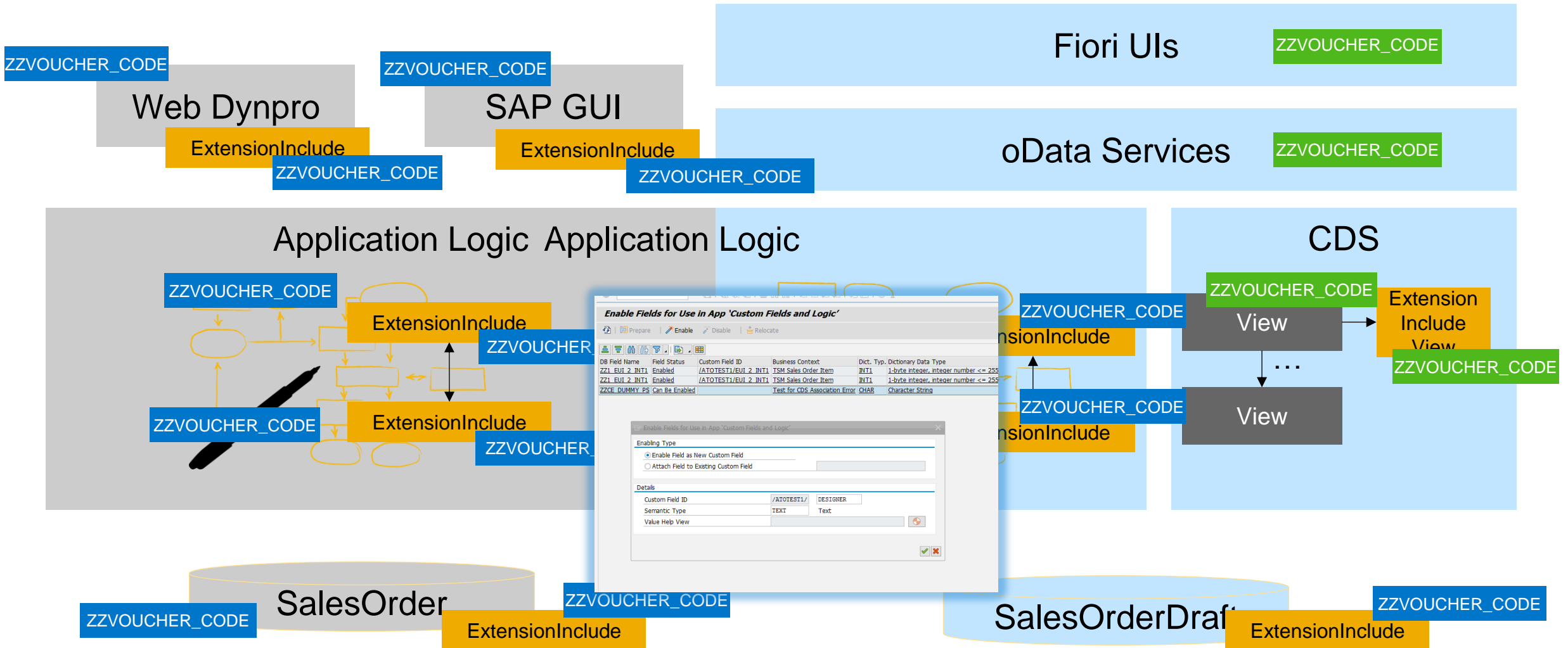
Affected custom code
Affected extensions
Affected modifications

The Road to S/4HANA

ABAP Custom Code Migration



Transition of Custom Fields into Key User Extensibility

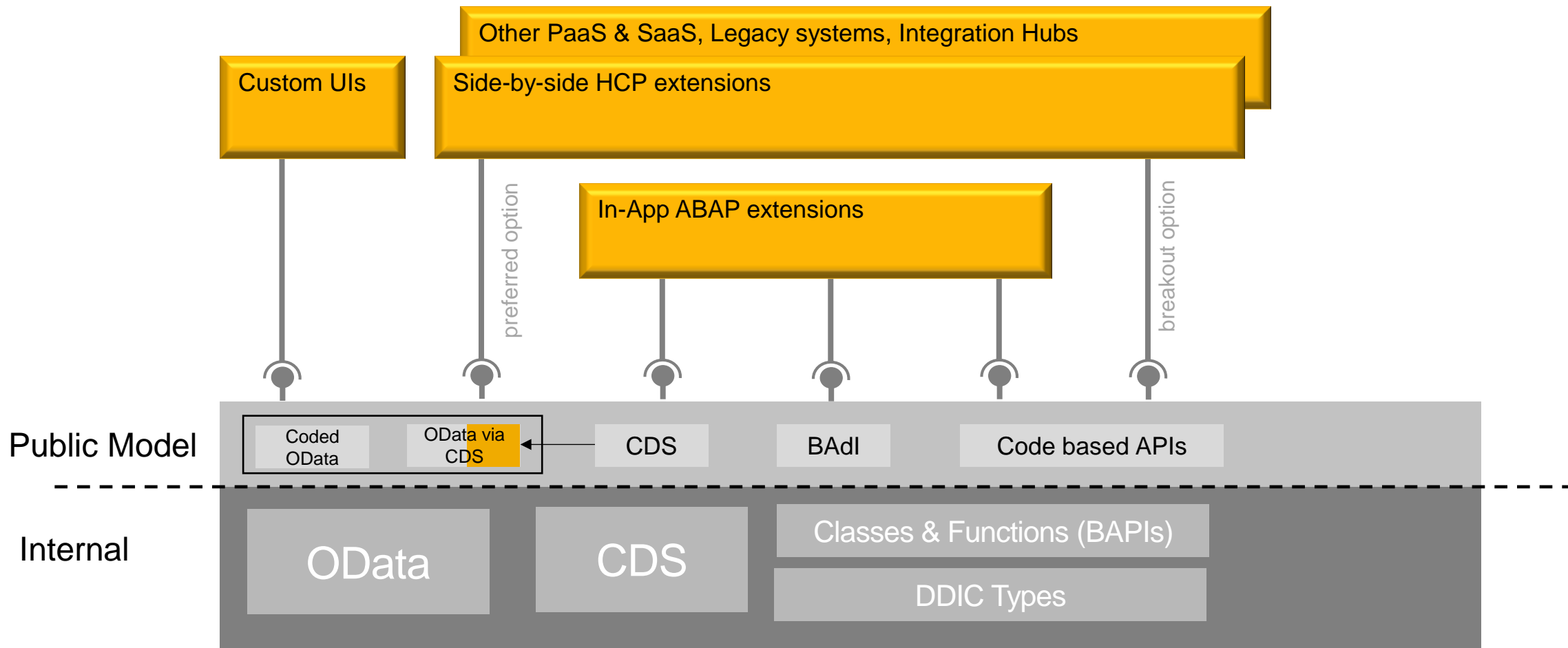


SAP S/4HANA APIs

SAP S/4HANA: APIs for customers and partners

SAP

Customer



Summary & Outlook

Summary of the Extensibility Capabilities of SAP S/4HANA

SAP S/4HANA

In-app extensibility:
Context-aware extensions, focus on tight integration

Side-by-side extensibility with SAP HANA Cloud Platform:

Learn from the outside, weave
external content into your solutions



Key User Extensibility

- Custom fields and tables, analytics and forms
- Change or add business rules and business logic (cloud ABAP Web editor)
- UI flexibility

Classic Extensibility

- Full access to ABAP, keep existing extensions

Extensibility based on SAP HANA Cloud Platform

- Custom Fiori UIs, UI extension scenarios
- Integrate with other cloud solutions (for example, from SuccessFactors and Ariba, both SAP companies) and third-party solutions
- Completely new solutions
 - Typical: self-contained applications, loosely coupled to S/4, reaching out to customers-of-customers
 - Take advantage of application and database services for SAP HANA Cloud Platform (cloud portal, mobile documents, output management, ...)
 - Use a full-fledged development platform
Java, SAP HANA native development, WebIDE



On-premise



Cloud

SAP S/4HANA Extensibility Roadmap

Today

- Side-by-side HCP app¹
- 1st Business Process Services – SAP hybris YaaS, public beta
- HCP Platform Services (SSO, Output Management, Mobile Documents)
- Integration with SAP and non-SAP solutions (HCI)
- Custom development
 - CDS, VDM, CDS-based OData exposure
- Key user in-app extensibility tools
 - UI flexibility (hide, move, add fields, change labels)²
 - Custom fields and logic
 - Custom reports and forms
 - Custom business objects³



Planned for Next Versions

- Side-by-side HCP app with end-to-end processes of Identity Management & SSO, and automation
- Additional services and features on HCP
- Key user in-app extensibility tools
 - Improvements (new features) of existing tools
- Custom development
 - “Restricted ABAP”
- API management – exploration, documentation, versioning etc.

¹ limitations in SAP S/4HANA cloud version, e.g. technical user

² for UIs built with smart controls

³ first shipment, improvements in later releases

SAP TechEd Online

<http://sapteched.com/online>



The screenshot shows the SAP TechEd Online website homepage. The header includes the SAP TechEd Online logo, navigation links for Home, 2015 Videos, Archive, Social, and SAP TechEd, and utility links for Log on, Search, and Get Event Updates. The main content area features a large image of a man looking at his phone, with the text "Welcome to SAP TechEd Online" and a sub-headline "The online source for live broadcasts and session replays from the SAP TechEd conferences." Below this, there are links for "Get inspiration and education via video:" including Keynotes, DemoJams, Strategy Talks, Tech Talks, Interviews, Virtual Hands-On, and Lectures. A "Watch Event Highlights" button is also present. A "Contact us" button is located in the bottom right corner of the main image area. Below the main image, there are two featured content blocks: "Lecture of the Week" with the title "World Premiere of the Latest Release of SAP BusinessObjects Design Studio with Jie Deng" and a "Read Jie Blog" button, and "Interview of the Week" with the title "Leveraging Design in Your Digital Transformation with Andreas Hauser (@HauserAndreas)" and a "Watch the video" button.

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- Keynotes
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- Hands-on sessions
- ...

Further information



SAP Public Web

scn.sap.com

www.sap.com

[Extensibility of S/4HANA – Helpful Links](#)

[The Key User Extensibility Tools of S/4 HANA](#)

SAP Education and Certification Opportunities

www.sap.com/education

Watch SAP TechEd Online

www.saptech.com/online

Reference to other sessions / information

Deep Dive TechEd session:

- i** **SAP TECHED** **DEV716 (Code Review)**
Extensibility in SAP S/4HANA: Insights to the Generated Backend Objects
- i** **SAP TECHED** **DEV709 (Code Review)**
Extensibility in SAP S/4HANA: Custom Business Object / UI Generation

Expert Network Sessions:

- i** **SAP TECHED**
SAP S/4HANA Extensibility Framework

Related TechEd session:

- i** **SAP TECHED** **DEV109 (L2)**
The ABAP Programming Model in SAP S/4HANA
- i** **SAP TECHED** **DEV108 (L2)**
Extensibility Framework for SAP S/4HANA: End-to-End Scenario
- i** **SAP TECHED** **DEV212 (H2)**
Building an End-to-End SAP Fiori App Based on SAP S/4HANA and ABAP
- i** **SAP TECHED** **TEC104(L1)**
ABAP Road Map - ABAP Contributions to SAP S/4HANA
- i** **SAP TECHED** **TEC300(L1)**
SAP S/4HANA: Custom Code Adaption
- i** **SAP TECHED** **DEV102 (L1)**
Extending SAP Business Suite and SAP S/4HANA with SAP HANA Cloud Platform
- i** **SAP TECHED** **INT201 (L1)**
An Update on Our Strategy for Cloud Integration

Feedback

Please complete your
session evaluation for
TEC206

Thanks for attending this session.

Contact information:
Felix Wente



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