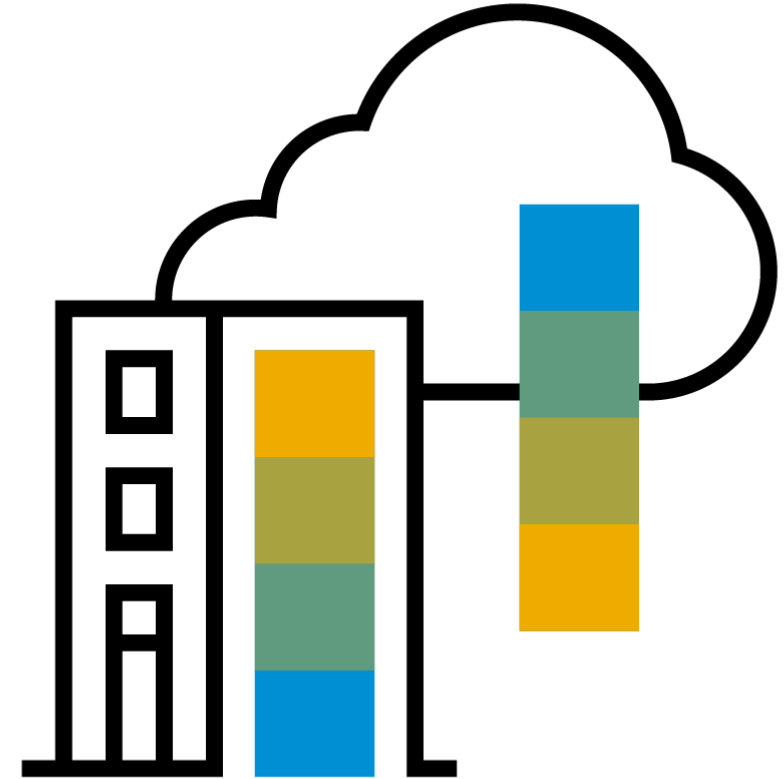


User Experience Integration

Thomas Hensel, Product Management, SAP SE
Webinar Series - Integration Styles & Technologies
March 10, 2020

PUBLIC



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Agenda

Motivation and overview

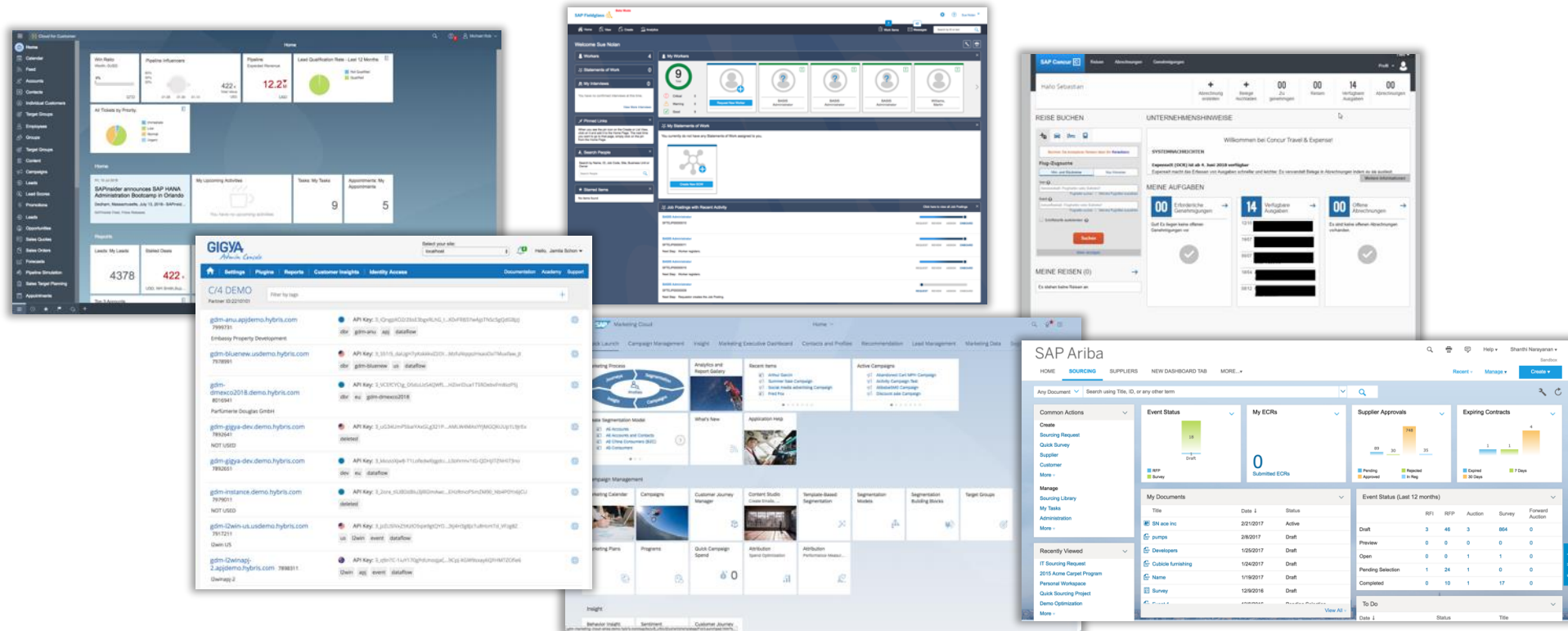
Options for UX integration

Establishing a central launchpad

Outlook

Question and answers

How can a business user easily access relevant applications and services to get the job done efficiently?



UX consistency with SAP Fiori 3 | UX integration via central launchpad

How to simplify access, navigation and integration between multiple SAP solutions?



SAP Fiori – the user experience of SAP S/4HANA

SINGLE ENTRY POINT

The **SAP Fiori launchpad** is the single entry point to access all apps*

ONE LOOK:
SAP Fiori
theme for all
applications

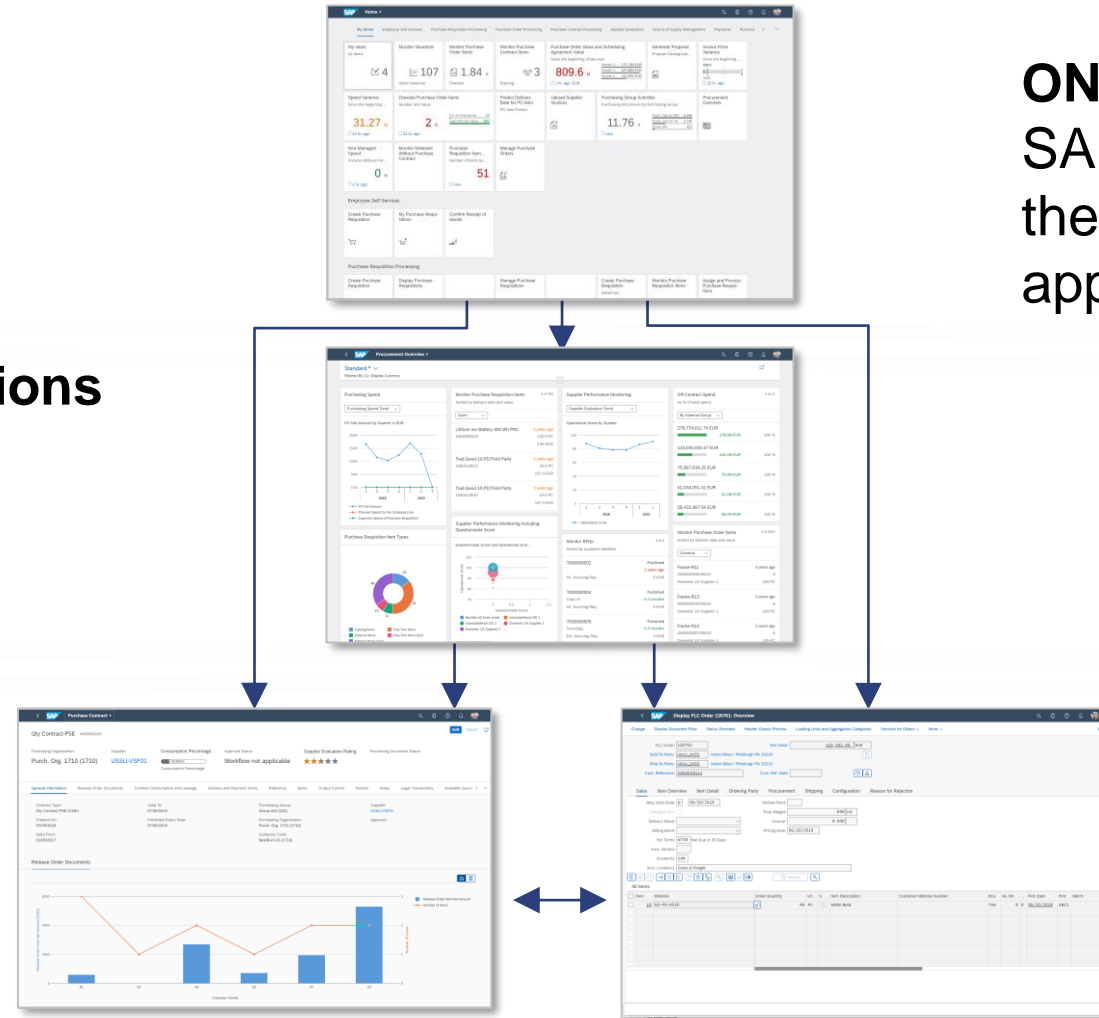
Domain specific information and actions

Users will quickly get an *overview* of what needs their attention with Overview Pages, List Reports and Work Lists, and trigger *quick actions* or drill down to the next level of detail

Enter details and explore in depth

Key and differentiating use cases are re-imagined with the SAP Fiori user experience.

All classic applications have the SAP Fiori visual theme.



* today, within one SAP S/4HANA system

Launchpad with new SAP Fiori 3 design and Quartz theme

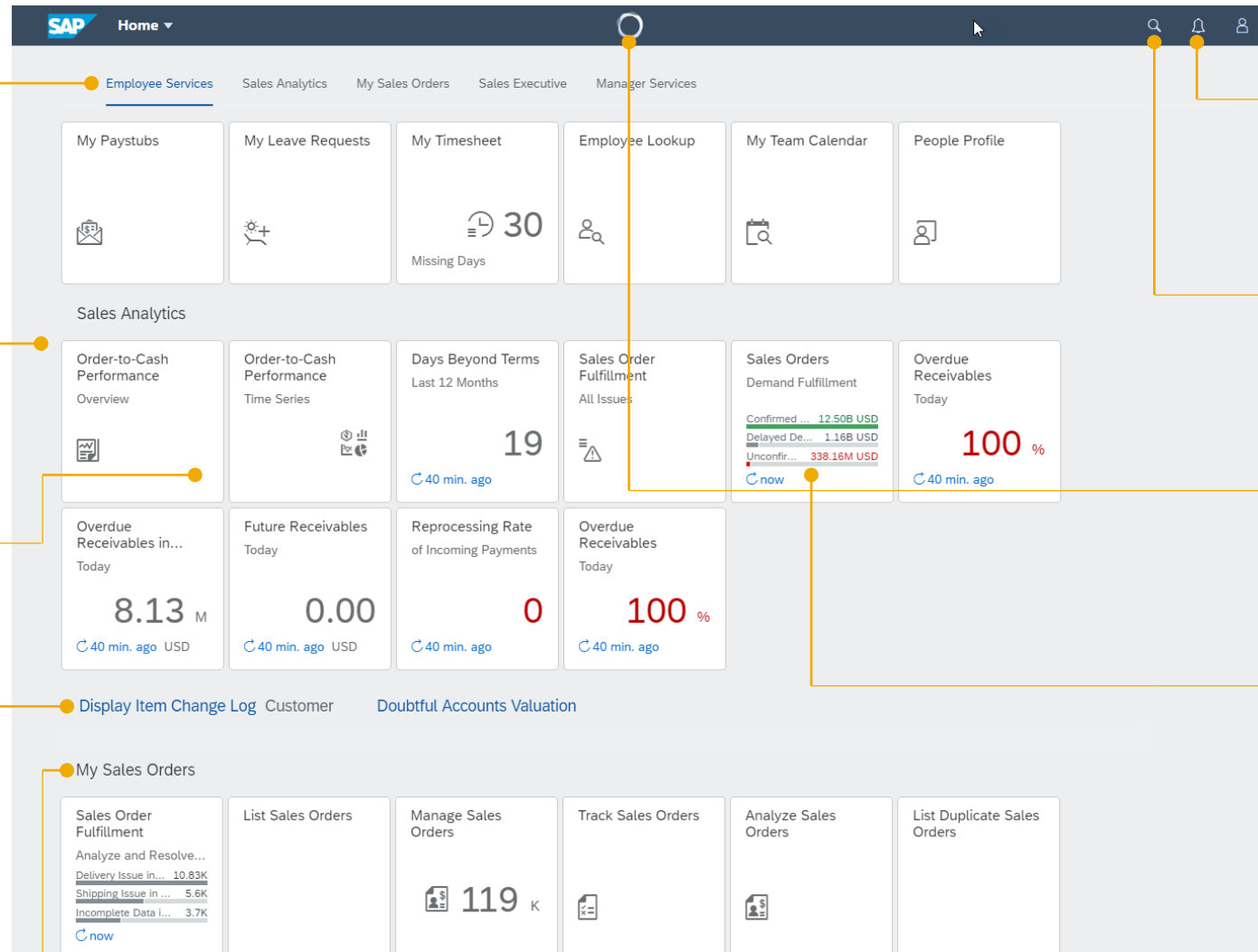
Anchor / tab navigation for direct access to groups

Edit mode for instant personalization of groups and tiles

Launch SAPUI5, Web Dynpro ABAP*, SAP GUI for HTML* and arbitrary URLs

Link lists provide access to a large number of apps

Group tiles for personalized content organization



Color coded notifications alert users to any overdue, new, or immediate actions

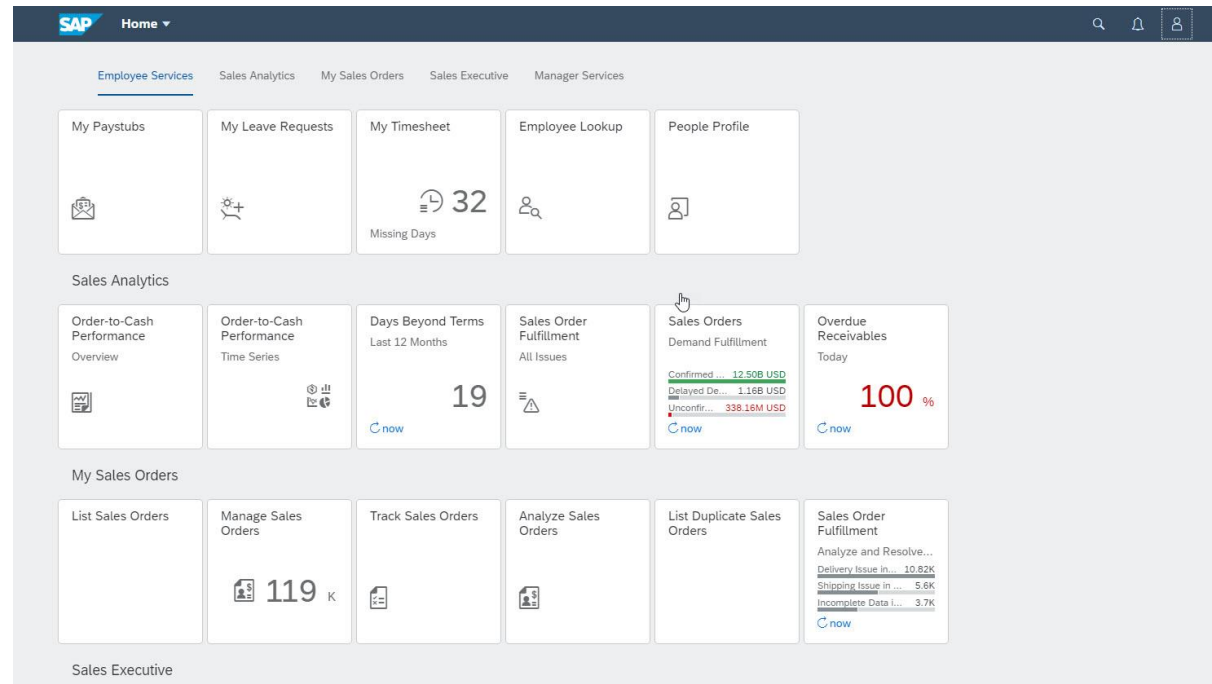
Search across and within apps to get immediate answers

Collaborate with other users and your digital assistant for quick results

Dynamic charts to provide high-level, real-time overview

*on selected devices

SAP Fiori 3 and the launchpad – learn more



<https://experience.sap.com/news/sap-fiori-how-it-started-and-where-its-going/>

<https://blogs.sap.com/2019/05/25/get-ready-for-sap-fiori-3>

<https://blogs.sap.com/2019/06/03/did-you-notice-the-first-steps-of-sap-fiori-3-in-your-sap-fiori-launchpad>

<https://blogs.sap.com/2019/04/26/first-parts-of-sap-fiori-3-available-for-sapui5-developers>

Options

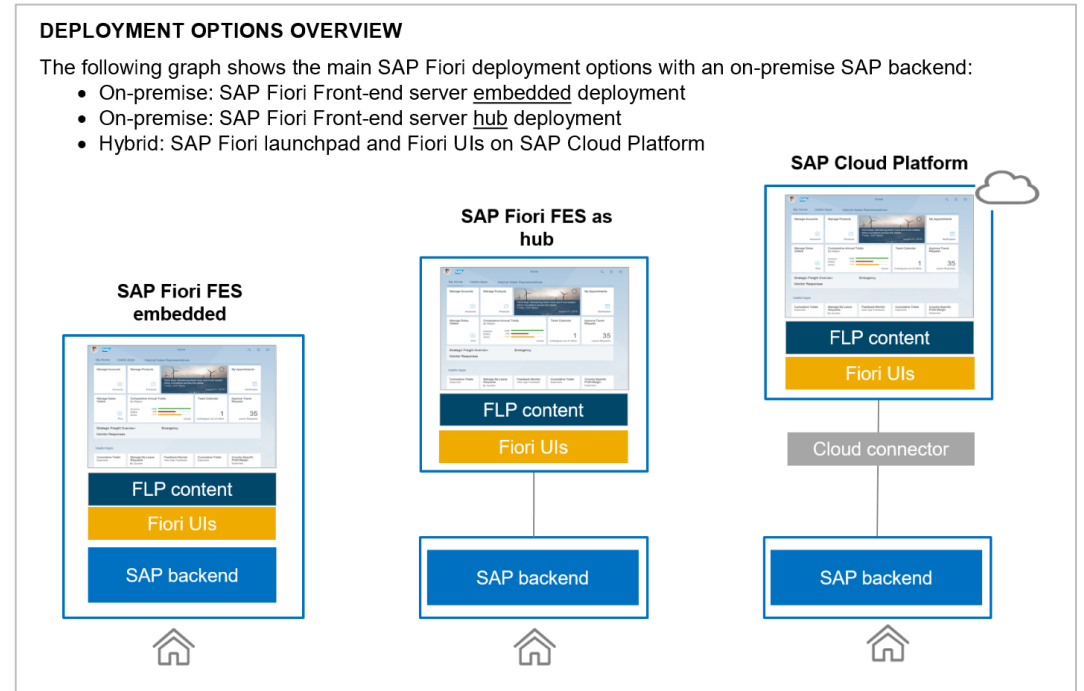
SAP Fiori deployment options and recommendations

On-premise

- Launchpad part of Frontend Server components
- Embedded or hub deployment (dedicated server)
- SAP Business Suite: central Frontend Server as UI hub for multiple backends possible
- SAP S/4HANA: one Frontend Server per system

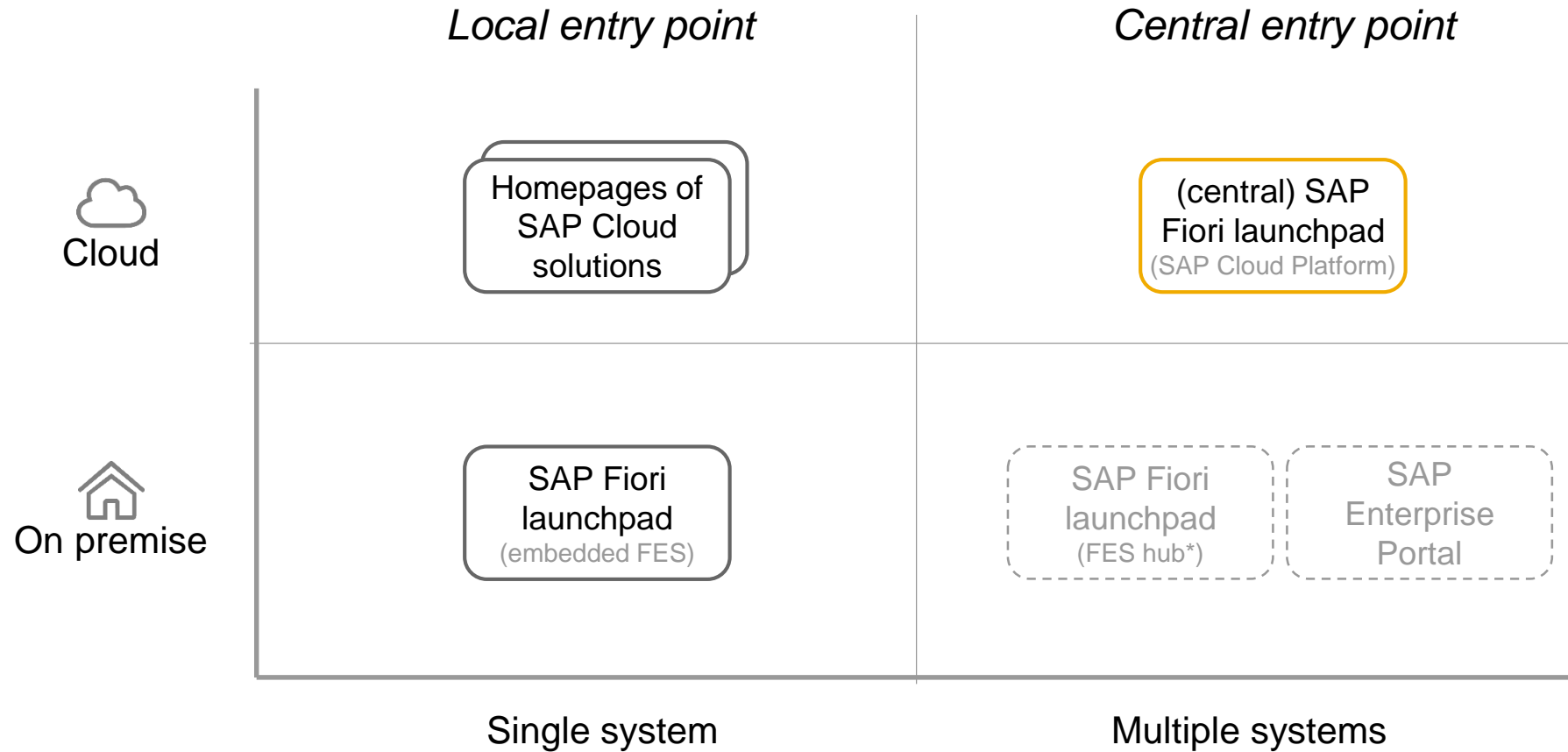
Cloud

- Launchpad based on portal service on SAP CP
- First version of central entry point on SAP CP across SAP cloud and on-premise systems available



SAP Fiori Deployment Options and System Landscape Recommendations

High-level positioning

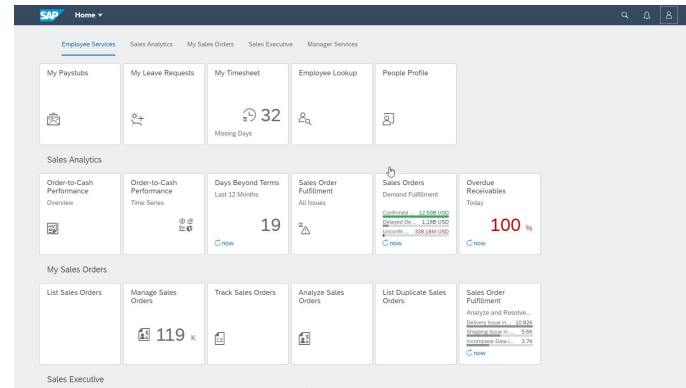


* SAP Fiori Front End Server (FES) for SAP Business Suite.
Read [SAP Fiori deployment options](#) for details.

SAP Fiori launchpad: deployment and consumption options

Common user experience, platform-specific administration tools

Consistent UX



SAP Fiori 3 defines common user experience for SAP product home pages

Implementation

**SAP S/4HANA or
SAP Business Suite**

SAP Fiori launchpad

 **SAP S/4HANA Cloud**

SAP Fiori launchpad

 **SAP Cloud Platform***

Portal (launchpad) site

SAP Enterprise Portal

Fiori Framework Page

Main tools

Launchpad designer (ABAP)

Content manager (ABAP)

Configuration cockpit (NEO)

Site manager (multi-cloud)

Portal content studio (Java)

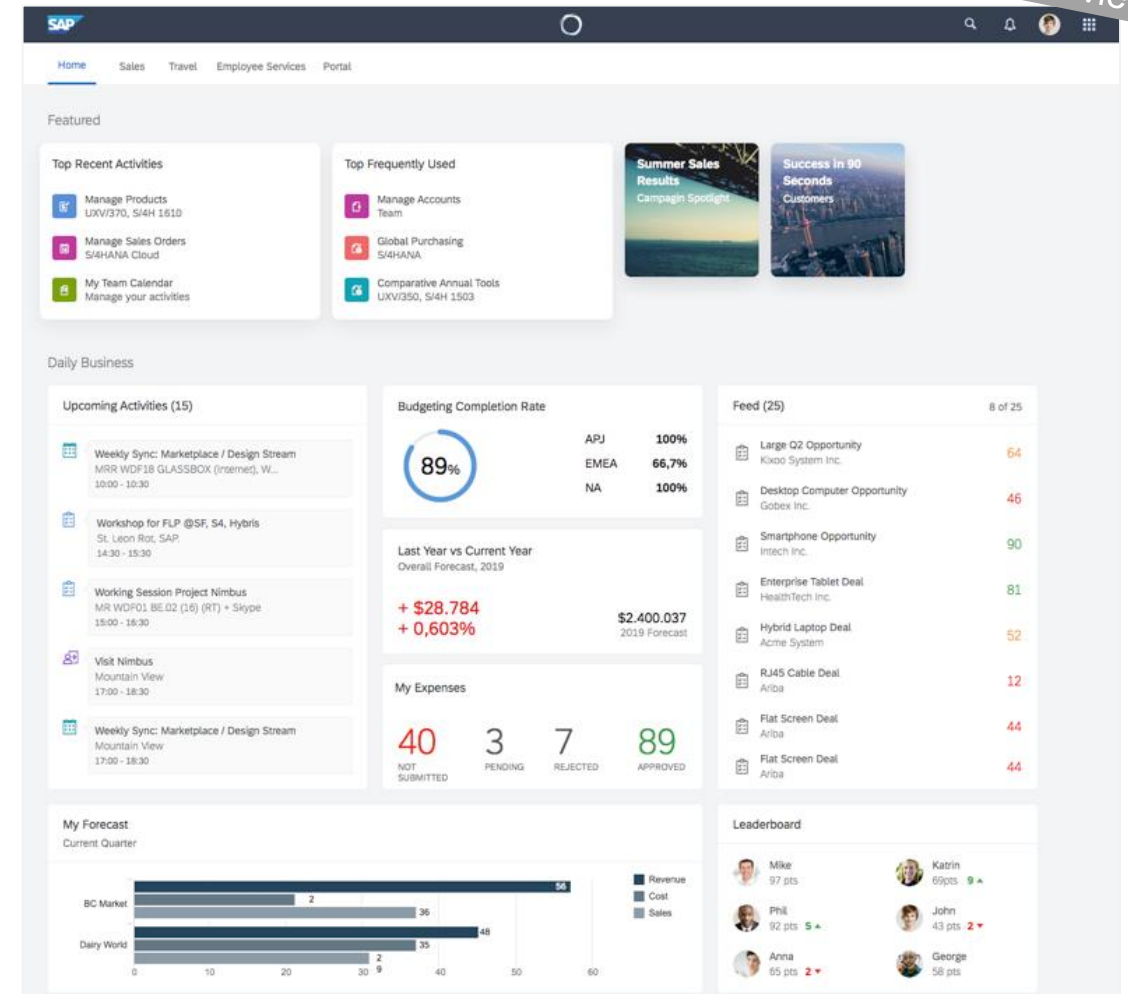
* based on SAP Cloud Platform Portal service

Establishing a central launchpad on SAP Cloud Platform

Key qualities of a central entry point

- **Central** launchpad with harmonized user experience
- **Role-based access** to content
- **Integration** of applications and content (cloud and any premise solutions)
- **Navigation** across apps and solutions
- Integration of **central services** (e.g. inbox, notifications, user help, digital assistant)
- Convenient **single sign-on** to connected products

SAP Fiori 3
- labs preview



UX integration aspects



App launcher
(link, tile, card)



Open app
in new tab, in-place



**SSO & Session
Management**



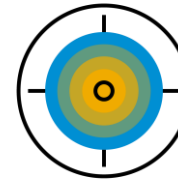
**Roles &
authorizations**



Theme



Language



**Navigation &
URL parameters**



Content
(app, group, role)

Guiding principles for central UX integration of SAP products

SAP products run **self-contained**

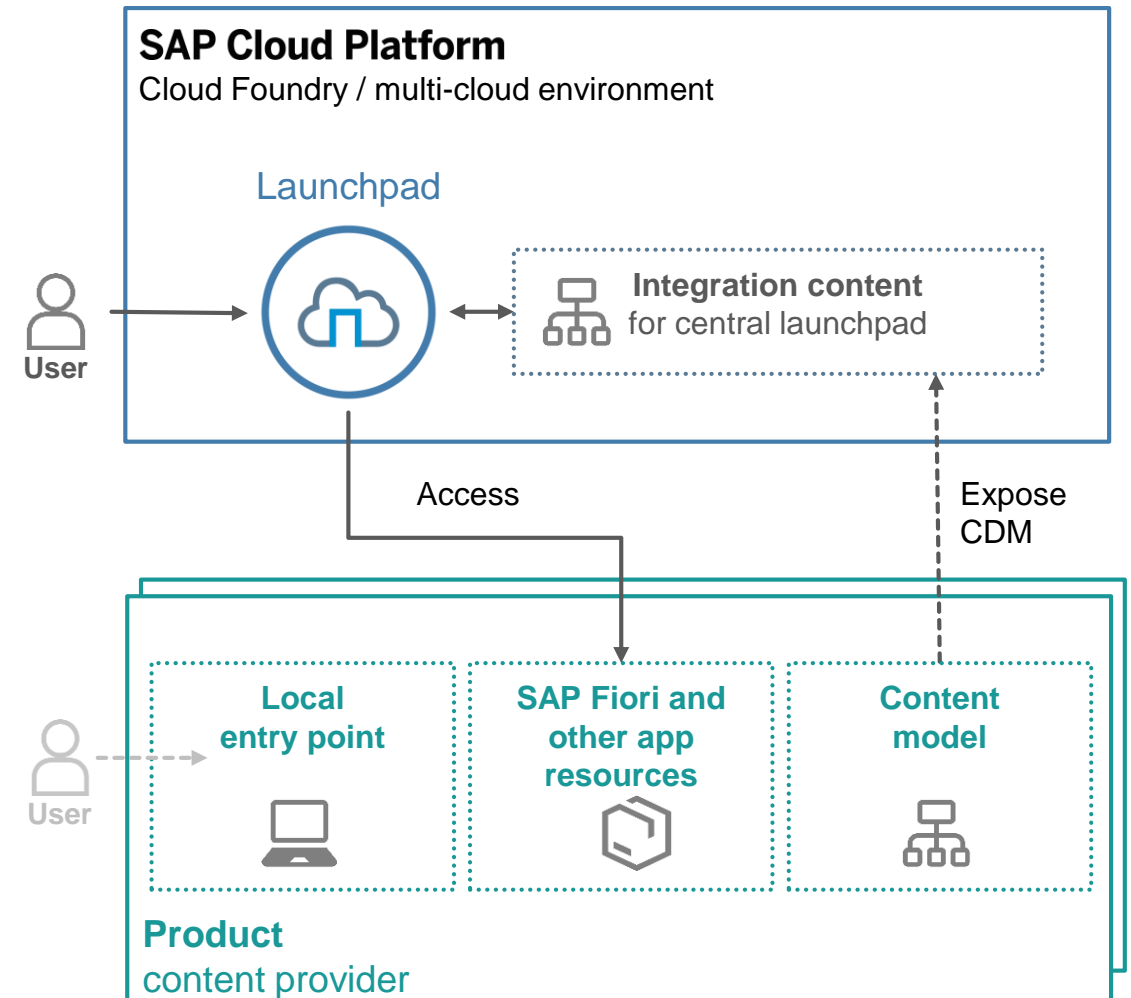
- Lifecycle of application resources and content models
- Role definition and authorization management

Central **launchpad** is based on SAP Cloud Platform (multi-cloud environment)

Manual **integration** of single apps via templates

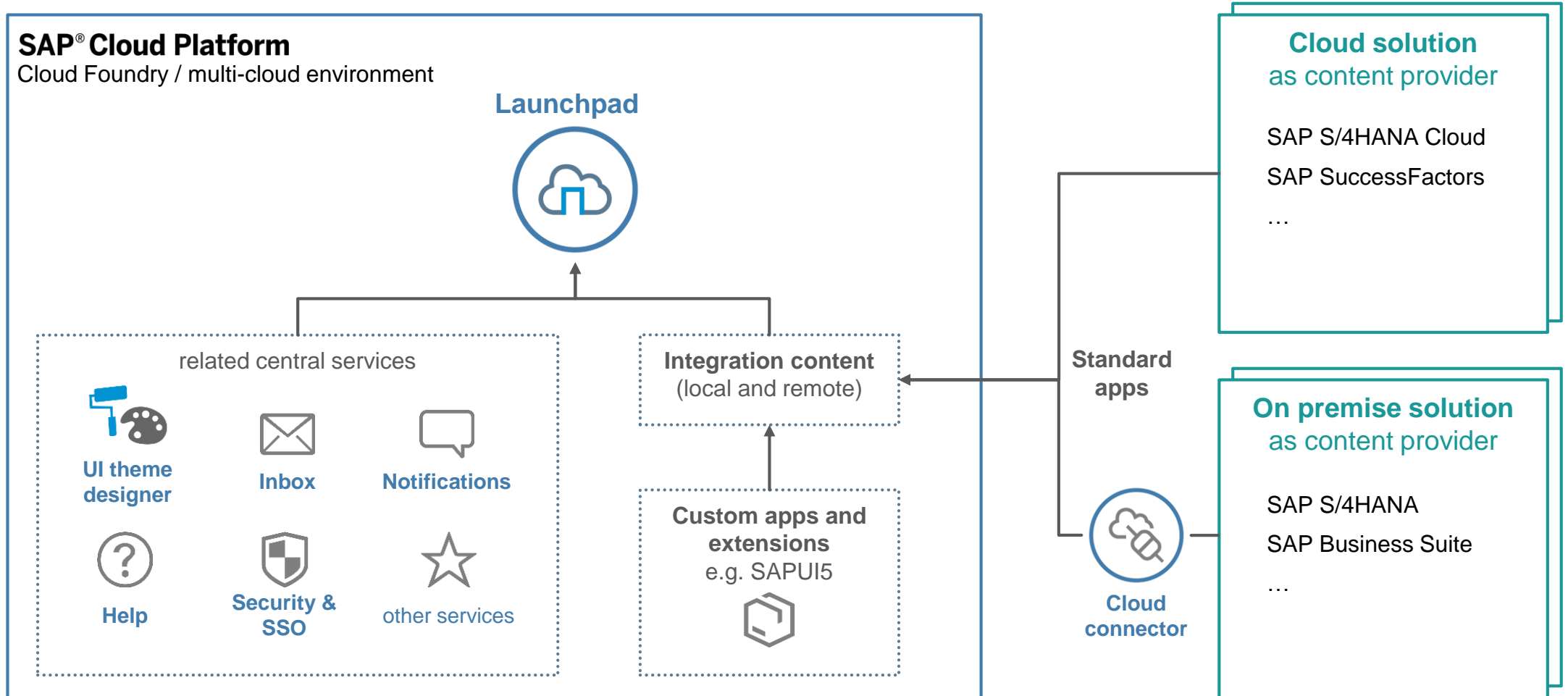
Advanced **content federation** from **SAP providers** using common data model (CDM)

Administrator can create custom **integration content** (for example roles)



Goal: establish a central entry point on SAP Cloud Platform

high-level architecture



Status quo

- SAP Cloud Platform (multi-cloud / Cloud Foundry) and its services are evolving quickly
- Current focus: enhancing administration tools, application integration and content federation capabilities
- Recent enhancements
 - Site Manager tool to create content and integrate apps: SAPUI5, WD ABAP, Web GUI, (dynamic) URL
 - Integration of apps from SAP S/4HANA (on premise)
 - Content Explorer to assign (remote) content from providers (e.g. Cloud Foundry apps)
 - Support direct access and tunneled access (via cloud connector)
- For improvements see [release notes](#) and [documentation](#)
- Planned enhancements according to portal [roadmap](#)

The screenshot displays the SAP Cloud Platform interface. At the top, a table lists 34 items with columns for Title, Description, ID, and Provider. Below the table, a dashboard for 'EPM Purchaser' is shown, featuring various tiles for managing products, sales orders, and excise duty. The interface is labeled 'Admin: content manager' and 'End user experience'.

Title	Description	ID	Provider
Another Role		Another_Role	Local
Career Planning	SAP SuccessFactors integration app	b308f75f-6754-4dc6-8f94-250f3d4bcc80	Local
Demo Role	Demo Role	Demo_Role	Local
Display Financial Statement	SAPUI5 application	b6bfe0e9-e84f-47ae-ab7c-953e5b5aefa5	Local
EPM Business Partner	Web Dynpro ABAP application	f1ddb24f-79d3-44d9-b929-aa89e1bf6f23	Local
EPM Product Manage		e848bfc7-c853-4b99-bf46-5d83a0de6745	Local
EPM Product Manage	SAP GUI for HTML application	26409d2c-a9da-4667-b8ba-36240aa5e4d7	Local
EPM Purchase Order	Web Dynpro ABAP	9e3162aa-cf1f-4b8e-8661-df785f98a0ad	Local
EPM Purchaser Minus	Purchaser	2b7a5785-a4a3-4800-aa77-665980ad25dc	Local
EPM Sales Order Create			
Everyone			
Excise Duty			

Admin: content manager

End user experience

Demo



Pages

[EPM Purchaser Minus](#)[Excise Duty](#)[More Apps](#)Manage Sales
Orders

UI5 from ABAP

EPM Business Part-
ner

WDA

EPM Product Man-
age

GUI

EPM Purchase
Order

WDA

Overview



UI5 from ABAP

Manage Products
(st)

UI5 from ABAP

Excise Duty

Tax Rates

Maintain excise duty ...



CF UI5

Excise Duty Stock
Ledger Analytical...

Line Item List for the ...



CF UI5

More Apps

SFSF Career Plan-
ning
demo stuff

URL

Susan Summer

App Finder

Settings

Edit Home Page

About

Sign Out

Central access to applications via portal (launchpad)

Pages

Standard ▾



Search 🔍

Editing Status: All ▾

Sales Order:

📄

Sales Order Status: ▾

Changed On:

📄

Adapt Filters (1) **Go**

Sales Orders (10,001)

Copy Delete Create ⚙️

<input type="checkbox"/>	Sales Order	Sales Order Status	Changed On	Customer	Customer Contact Person	Quantity	Net Amount	
<input type="checkbox"/>	500010050	New	Feb 8, 2019	Talpa (100000003)	Julia Pfeffer	4 EA	2,136.99 USD	>
<input type="checkbox"/>	500009995	Delivered	Jan 22, 2019	Siwusha (100000042)	Will Shi	15 EA	85,125.40 EUR	>
<input type="checkbox"/>	500009996	Delivered	Jan 22, 2019	Sorali (100000044)	Klaus Cole	7 EA	210.70 EUR	>
<input type="checkbox"/>	500009997	Delivered	Jan 22, 2019	South American IT Company (100000041)	Guillermo Ferrero	15 EA	8,164.00 EUR	>
<input type="checkbox"/>	500009998	Delivered	Jan 22, 2019	Danish Fish Trading Company (100000043)	Charlotte Hojby	12 EA	164.00 EUR	>
<input type="checkbox"/>	500009999	Delivered	Jan 22, 2019	Sorali (100000044)	Klaus Cole	6 EA	3,338.00 EUR	>
<input type="checkbox"/>	500009992	Delivered	Jan 21, 2019	Bionic Research Lab (100000038)	Lukas Fleischer	14 EA	4,732.00 EUR	>
<input type="checkbox"/>	500009993	Delivered	Jan 21, 2019	PicoBit (100000037)	Steve Gallion	11 EA	1,431.97 EUR	>
<input type="checkbox"/>	500009994	Delivered	Jan 21, 2019	PicoBit (100000037)	Steve Gallion	9 EA	639.70 EUR	>
<input type="checkbox"/>	500010036	New	Jan 21, 2019	African Gold And Diamond Corporation (100000036)	Nonkululeko Van Der Walt	5 EA	96.00 EUR	>
<input type="checkbox"/>	500010037	New	Jan 21, 2019	Siwusha (100000042)	Will Shi	6 EA	438.00 EUR	>
<input type="checkbox"/>	500010038	New	Jan 21, 2019	PicoBit (100000037)	Steve Gallion	9 EA	345.80 EUR	>
<input type="checkbox"/>	500010039	New	Jan 21, 2019	Bionic Research Lab (100000038)	Lukas Fleischer	18 EA	4,917.00 EUR	>
<input type="checkbox"/>	500009987	Delivered	Jan 20, 2019	PC Gym Tec (100000033)	Sandra Creech	6 EA	438.00 EUR	>
<input type="checkbox"/>	500009988	Delivered	Jan 20, 2019	Angere (100000032)	Podda Martin	9 EA	345.80 EUR	>
<input type="checkbox"/>	500009989	Delivered	Jan 20, 2019	Baleda (100000031)	Bruce Ford	18 EA	4,917.00 EUR	>

Access SAPUI5 application from backend

Pages



Standard * ☺

Hide Filter Bar Adapt Filters (0) Result <= 200 items **Go**

Business Partner ID:

Company Name:

Items (91 Business Partners)



New



Business Partner ID	Company Name	Business Partner Role
100000000	SAP	Customer
100000001	Becker Berlin	Customer
100000002	DelBont Industries	Customer
100000003	Talpa	Customer
100000004	Panorama Studios	Customer
100000005	TECUM	Customer
100000006	Asia High tech	Customer
100000007	Laurent	Customer
100000008	AVANTEL	Customer
100000009	Telecomunicaciones Star	Customer
100000010	Pear Computing Services	Customer
100000011	Alpine Systems	Customer
100000012	New Line Design	Customer
100000013	HEPA Tec	Customer
100000014	Anav Ideon	Customer
100000015	Robert Brown Entertainment	Customer
100000016	Mexican Oil Trading Company	Customer
100000017	Meliva	Customer
100000018	Compostela	Customer
100000019	Pateu	Customer
100000020	Russian Electronic Trading Company	Customer
100000021	Florida Holiday Company	Customer
100000022	Quimica Madrilenos	Customer
100000023	Getränkegroßhandel Janssen	Customer

Access Web Dynpro (ABAP) application

Pages

[Change](#) [Services for Object ▾](#) [More ▾](#)

[Exit](#)

Product ID:

Header Data Conversion Factors

Product Name

Description

Product Type Code:

Product Category:

Measure Unit:

Supplier-ID

Supplier name

Tax Tariff Code:

Price: Currency

Weight: Weight Unit

Dimensions: Length Unit

Width

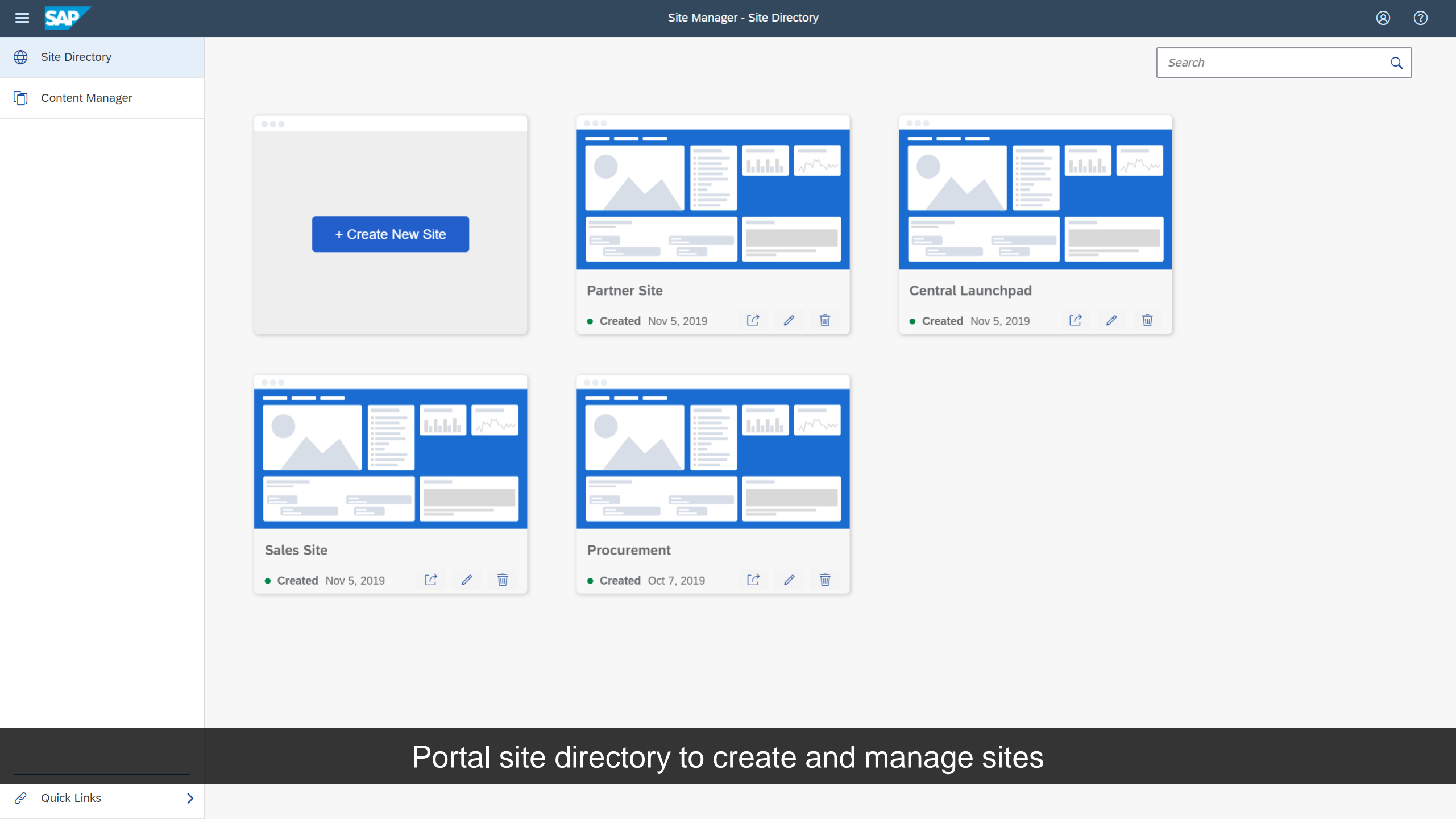
Depth

Height

Product URL

Access SAP GUI for HTML application

Administrator perspective



Portal site directory to create and manage sites



SITE SETTINGS
Central Launchpad

Save Cancel

PROPERTIES

General

*Name:

Description:

ID:
8874bf93-873d-4f6f-bc21-36c7c803225a

URL:
<https://flp.cpp.cfapps.hana.ondemand.com/portal/site...>

Tile Size ⓘ
☒ Responsive ☐ Small

Created:
Sep 1, 2019, 2:06:08 PM

Created By:
Shani Admin

Last Modified:
Sep 2, 2019, 6:57:56 AM

Last Modified By:
Shani Admin

User Capabilities

Personalization ⓘ
☒ YES

Theme Selection:
☒ YES

Language Selection:
☒ YES

Recent and Frequent Activities ⓘ
☐ NO

Group Display Mode ⓘ
☒ YES

Select languages to make them available for end users:

Display

Display on the screen

Search in Shell Header:
☒ YES

Show/Hide Groups ⓘ
☒ YES

All My Apps ⓘ
☒ YES

Select where to display

App Finder:
☒ User Actions Menu ☐ Shell Header

Edit Home Page:
☒ User Actions Menu ☐ Shell Header

Settings:
☒ User Actions Menu ☐ Shell Header

Assignments >>

Assign Items:

🔍

▼ Results (3/3)

Sales Manager

✕

Sales Tools

✕

HR Services

✕

Site Directory

Content Manager

My Content

Content Explorer

Item Type

All items

Items (34)

Explore

+ New

	Title	Description	ID	Provider	
	Another Role		Another_Role	Local	
	Career Planning	SAP SuccessFactors integration app	b308f75f-6754-4dc6-8f94-250f3d4bcc80	Local	
	Demo Role	Demo Role	Demo_Role	Local	
	Display Financial Statement	SAPUI5 application	b6bfe0e9-e84f-47ae-ab7c-953e5b5aefa5	Local	
	EPM Business Partner	Web Dynpro ABAP application	f1ddb24f-79d3-44d9-b929-aa89e1bf6f23	Local	
	EPM Product Manage		e848bfc7-c853-4b99-bf46-5d83a0de6745	Local	
	EPM Product Manage	SAP GUI for HTML application	26409d2c-a9da-4667-b8ba-36240aa5e4d7	Local	
	EPM Purchase Order	Web Dynpro ABAP	9e3162aa-cf1f-4b8e-8661-df785f98a0ad	Local	
	EPM Purchaser Minus	Purchaser	2b7a5785-a4a3-4800-aa77-665980ad25dc	Local	
	EPM Sales Order Create	SAPUI5 app	6d693239-4f70-4e47-bc24-31bcc703d090	Local	
	Everyone	Everyone	sap_subaccount_everyone	Local	
	Excise			Local	
	Excise Duty Stock Ledger Analytical List Page	SAPUI5 App from Cloud Foundry	192e2623-6c0f-4192-a559-a1cf525d503f	Local	

App

Catalog

Group

Role

Manage content items: apps, catalogs, roles and groups

Quick Links

CONTENT EXPLORER

Explore your content providers and add content items to your subaccount

SAP Cloud for Real Est...

Search

+ Add to My Content

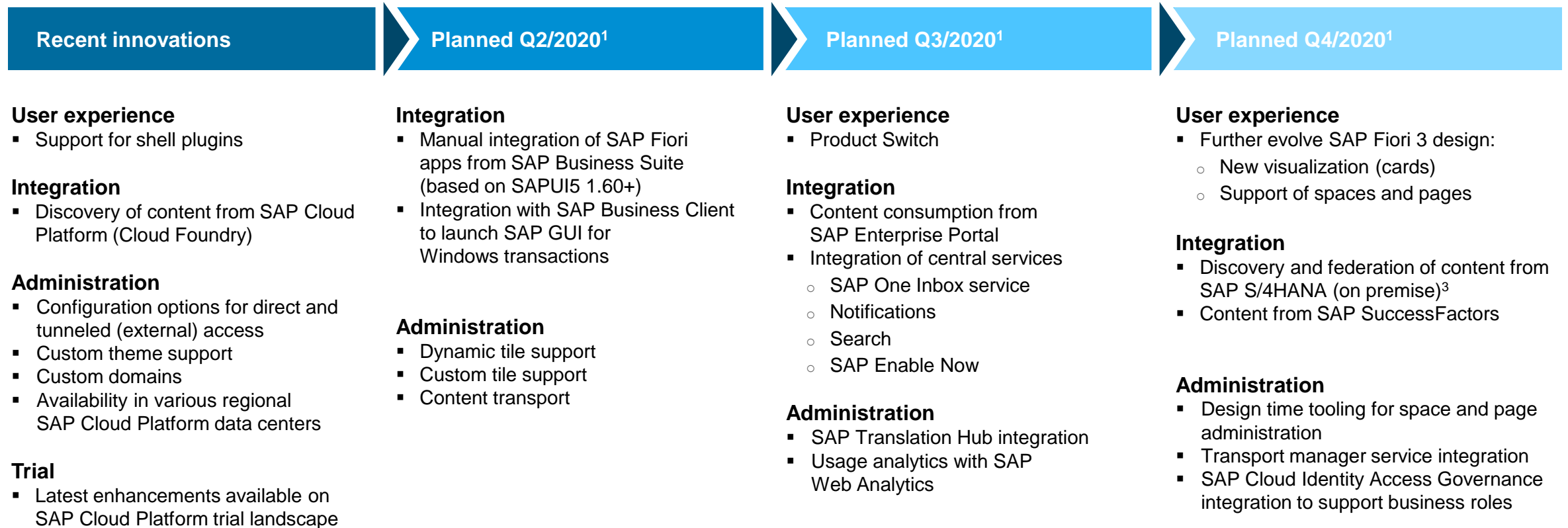
Items (8)

<input type="checkbox"/>		Title	Description	ID	
<input type="checkbox"/>	A			com.sap.wums.jump-off	
<input type="checkbox"/>	A	Admin Settings	Admin Settings App	com.sap.cre.core.settings.frontend	
<input type="checkbox"/>	A	Advanced Analytics	Advanced Analytics for Cloud for Real Estate, Location Management	sap.cre.core.analytics	
<input checked="" type="checkbox"/>	A	Contract Management	Manage your Lease Contracts	sap.re.lease	<div>✕ Remove</div>
<input checked="" type="checkbox"/>	A	Data Import for Location Management	Import data for Location Management application	com.sap.cre.core.dataimport	<div>✕ Remove</div>
<input checked="" type="checkbox"/>	A	Location Management	Location Management application	com.sap.cre.core.frontend	<div>✕ Remove</div>
<input type="checkbox"/>	A	Teams for Location Management	Teams for Location Management application	com.sap.cre.core.teamapp	
<input type="checkbox"/>	A	Workspace Management	Workspace Management application	com.sap.cre.core.workspacemanagement	

Roadmap

SAP Fiori launchpad on SAP Cloud Platform (Portal service)²

Product road map overview – Key innovations



1. This is the current state of planning and may be changed by SAP at any time without notice.

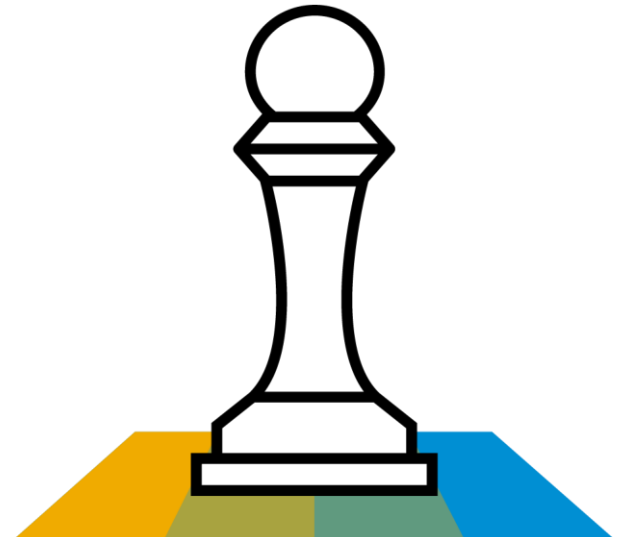
2. The innovation is planned to be available on SAP Cloud Platform, multi-cloud environment.

3. Planned to be available for SAP S/4HANA 2020, 1909 and 1809

Roadmap

Latest roadmap information about **SAP Fiori launchpad on SAP Cloud Platform** (Cloud Foundry) is available via:

- [SAP Cloud Platform Portal](#)
- [SAP User Interface Technologies](#)
- [SAP Fiori](#)



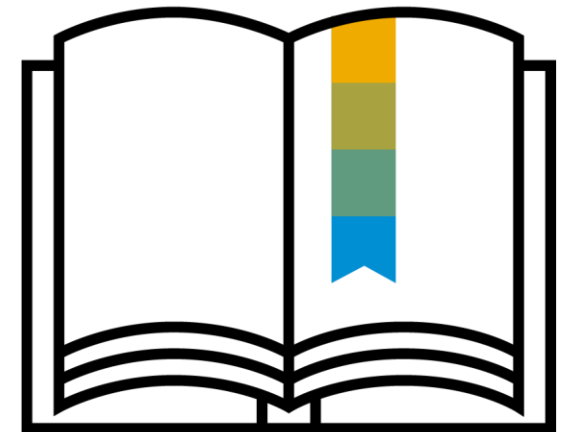
Question & Answers



Further information

For customers

- [SAP Fiori - Deployment Options and Recommendations](#)
- [Roadmap for Portal / Launchpad](#)
- [Documentation](#)
- [Trial environment](#)



Thank you.

Contact information:

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SAP SE

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