

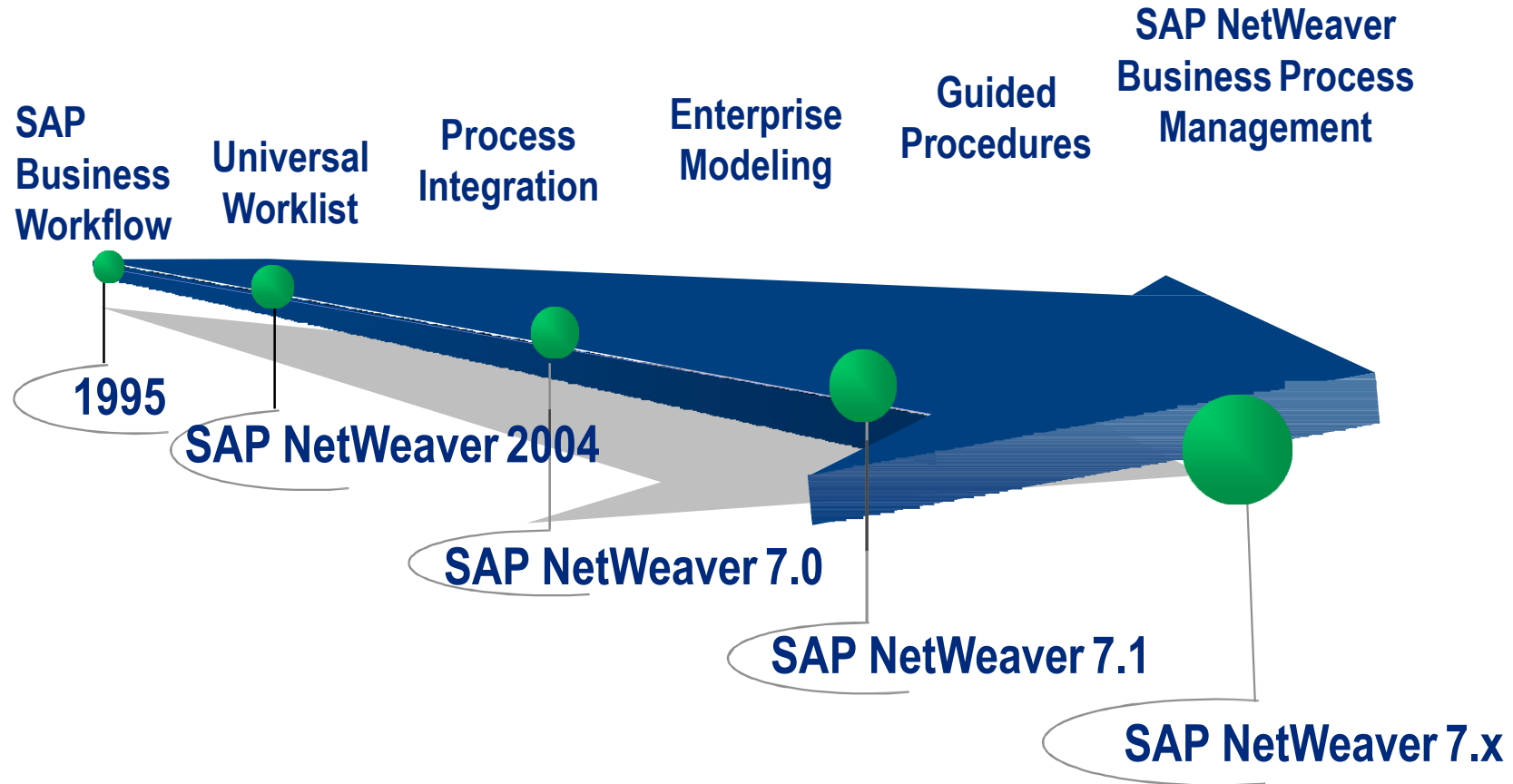


SAP WORKFLOW | Lá e de volta outra vez

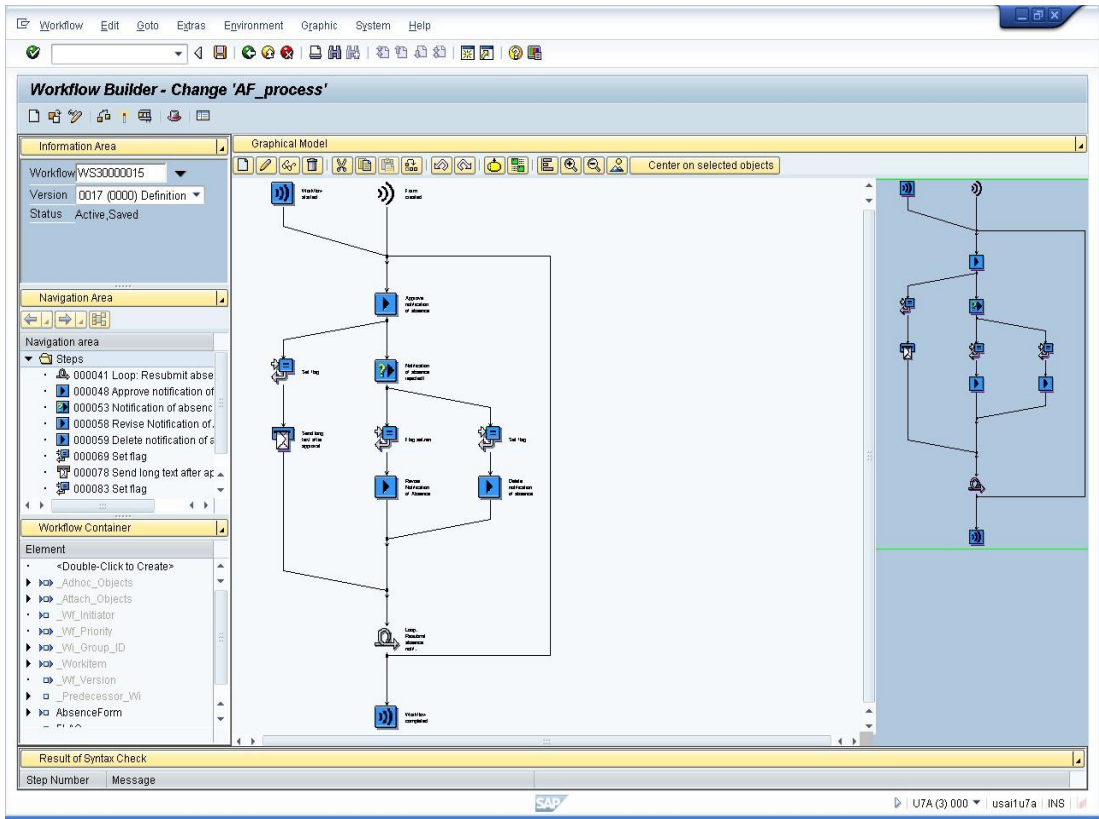
Bruno Lucattelli



Evolution of SAP Workflow Tools



SAP Business Workflow - embedded in SAP Business Suite



The screenshot displays the SAP Business Workplace interface, titled "Business Workplace of Bernd Otte". The interface includes a menu bar (Workplace, Edit, Goto, Folder, Environment, Settings, System, Help) and a toolbar. The main workspace shows a list of workflow items under the heading "Workflow 22". The list has columns for "Ex.", "ID", "Title", "Status", "Creation Da.", "Creation...", "P", "At.", "Co.", and "W.". The list contains several items, including "7050605 Workflow verification: Create notification of absence", "7037666 Approve Purchase Order 308297240 - Indian IT Trading Comp...", "7016995 Approve or Reject PO - Total Gross Amount", "7016988 Approve or Reject PO - Total Gross Amount", "7016982 Approve or Reject PO - Total Gross Amount", "7031515 Approve Purchase Order 300000014 - Japan Insurance Partner", "7031512 Approve Purchase Order 302113130 - Becker Berlin - Gross Am...", "7007784 Approve Purchase Order 302113130 - Becker Berlin - Gross Am...", "7007783 Approve Purchase Order 302113130 - Becker Berlin - Gross Am...", "7007779 Approve Purchase Order 302113130 - - Gross Amount: 2,972...", "7008626 Approve Purchase Order 302113130 - - Gross Amount: 2,972...", "7008622 Approve Purchase Order 302113130 - - Gross Amount: 2,972...", "7008623 Approve Purchase Order 302113130 - - Gross Amount: 2,972...", "6994606 Generische Entscheidungsaufgabe", "6988107 Approve or Reject PO 306977214 - Total Gross Amount 1,651...", "6988105 Approve or Reject PO 302113152 - Total Gross Amount 2,972...", "6988103 Approve or Reject PO - Total Gross Amount", "6988101 Approve or Reject PO - Total Gross Amount", "6988099 Approve or Reject PO 302113152 - Total Gross Amount 2,972...", "6960612 Approve Marketing Campaign 'My MC'", "6817004 Very very very very very long work item text with express...", and "6817003 Very very very very very long work item text with express...".

Ex.	ID	Title	Status	Creation Da.	Creation...	P	At.	Co.	W.
	7050605	Workflow verification: Create notification of absence		03.08.2016	09:03:06	5			
	7037666	Approve Purchase Order 308297240 - Indian IT Trading Comp...		29.07.2016	11:59:34	5			
	7016995	Approve or Reject PO - Total Gross Amount		28.07.2016	17:30:01	5			
	7016988	Approve or Reject PO - Total Gross Amount		28.07.2016	17:01:12	5			
	7016982	Approve or Reject PO - Total Gross Amount		28.07.2016	16:54:14	5			
	7031515	Approve Purchase Order 300000014 - Japan Insurance Partner		27.07.2016	17:03:18	5			
	7031512	Approve Purchase Order 302113130 - Becker Berlin - Gross Am...		27.07.2016	16:46:36	5			
	7007784	Approve Purchase Order 302113130 - Becker Berlin - Gross Am...		21.07.2016	14:48:53	5			
	7007783	Approve Purchase Order 302113130 - Becker Berlin - Gross Am...		21.07.2016	14:48:53	5			
	7007779	Approve Purchase Order 302113130 - - Gross Amount: 2,972...		21.07.2016	12:26:29	5			
	7008626	Approve Purchase Order 302113130 - - Gross Amount: 2,972...		20.07.2016	17:45:39	5			
	7008622	Approve Purchase Order 302113130 - - Gross Amount: 2,972...		20.07.2016	17:23:59	5			
	7008623	Approve Purchase Order 302113130 - - Gross Amount: 2,972...		20.07.2016	17:23:59	5			
	6994606	Generische Entscheidungsaufgabe		15.07.2016	10:31:42	5			
	6988107	Approve or Reject PO 306977214 - Total Gross Amount 1,651...		13.07.2016	16:38:36	5			
	6988105	Approve or Reject PO 302113152 - Total Gross Amount 2,972...		13.07.2016	16:32:00	5			
	6988103	Approve or Reject PO - Total Gross Amount		13.07.2016	16:27:28	5			
	6988101	Approve or Reject PO - Total Gross Amount		13.07.2016	16:25:54	5			
	6988099	Approve or Reject PO 302113152 - Total Gross Amount 2,972...		13.07.2016	16:25:09	5			
	6960612	Approve Marketing Campaign 'My MC'		04.07.2016	16:43:12	5			
	6817004	Very very very very very long work item text with express...		25.05.2016	18:04:18	5			
	6817003	Very very very very very long work item text with express...		25.05.2016	18:04:18	5			

Innovating business process support within SAP S/4HANA



Business User
Enablement



Fiori User Experience



Flexibility at runtime



Workflow Analytics

My Inbox in SAP S/4HANA

Procurement – Purchase Orders, Purchasing Contracts

The screenshot displays the SAP S/4HANA My Inbox interface. On the left, a list of items is shown, all with a 'Medium' priority. The main area displays the details for 'Standard PO' 4500001993, valued at 2,500.00 EUR and in 'In Approval' status. The details include supplier information (Sunny Electronics GmbH), creation date (06.07.2016), and a table of items.

Short Text	Material Group	Material	Order Quantity	Net Order Value
Front cover CF-02 (DE)	Parts for Production FIOARPT	Front cover CF-02 FIO-PRD-CF02	250 EA	2,500.00 EUR

At the bottom, there are action buttons: Approve, Reject, Claim, Forward, and Suspend.

The screenshot displays the SAP S/4HANA My Inbox interface for purchasing contracts. On the left, a list of items is shown, all with a 'Medium' priority. The main area displays the details for 'Quantity Contract' 4600000015, valued at 0.00 USD and in 'Blocked, changeable with value' status. The details include target value, purchasing organization, and a table of items.

Item	Description	Material Group	Target Quantity	Net Order Price
00010	Locks	Trading Materials L001	100000 PC	50.00 USD

At the bottom, there are action buttons: Approve, Reject, Claim, Forward, and Suspend.

My Inbox

Overview

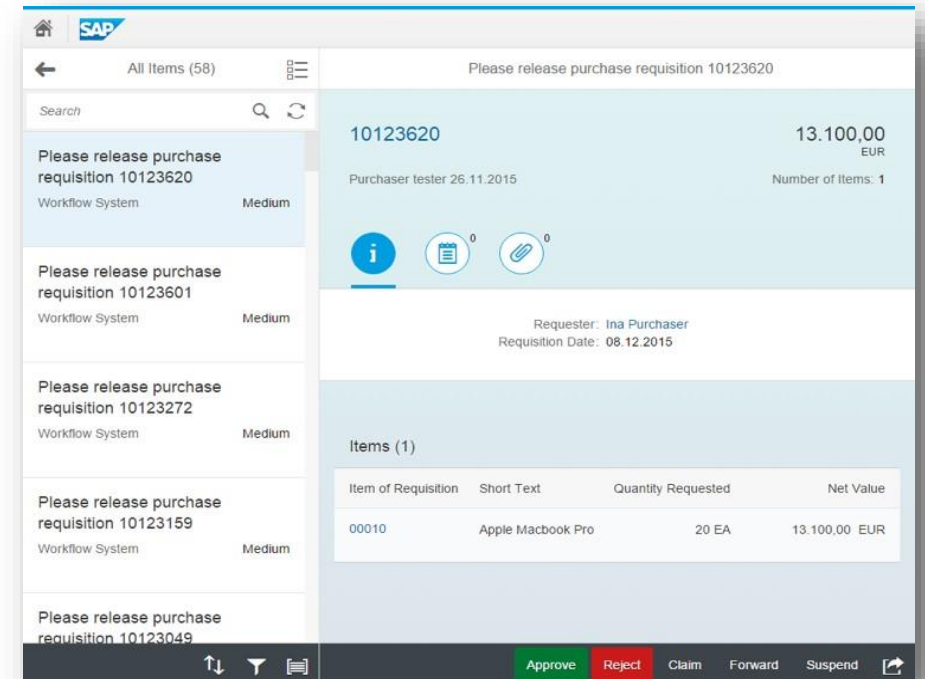
My Inbox is a Fiori application, which allows end users to manage all their workflow tasks from a single inbox. It harmonizes tasks across different systems and applications, SAP and non-SAP.

Key capabilities

- Extensive search, filter and grouping functionality
- Supports standard workflow actions like forward, claim, release, suspend and resume task
- Directly approve tasks from the inbox, including mass approval
- Show comments, attachments and related objects
- Show task log
- Support for multiple UI technologies: Fiori/SAPUI5, WebDynpro, BSP, WebGui
- Expert view for key users / specialists
- Standard connectors for SAP Business Workflow and SAP BPM
- Custom connectors through ABAP or OData API

Benefits

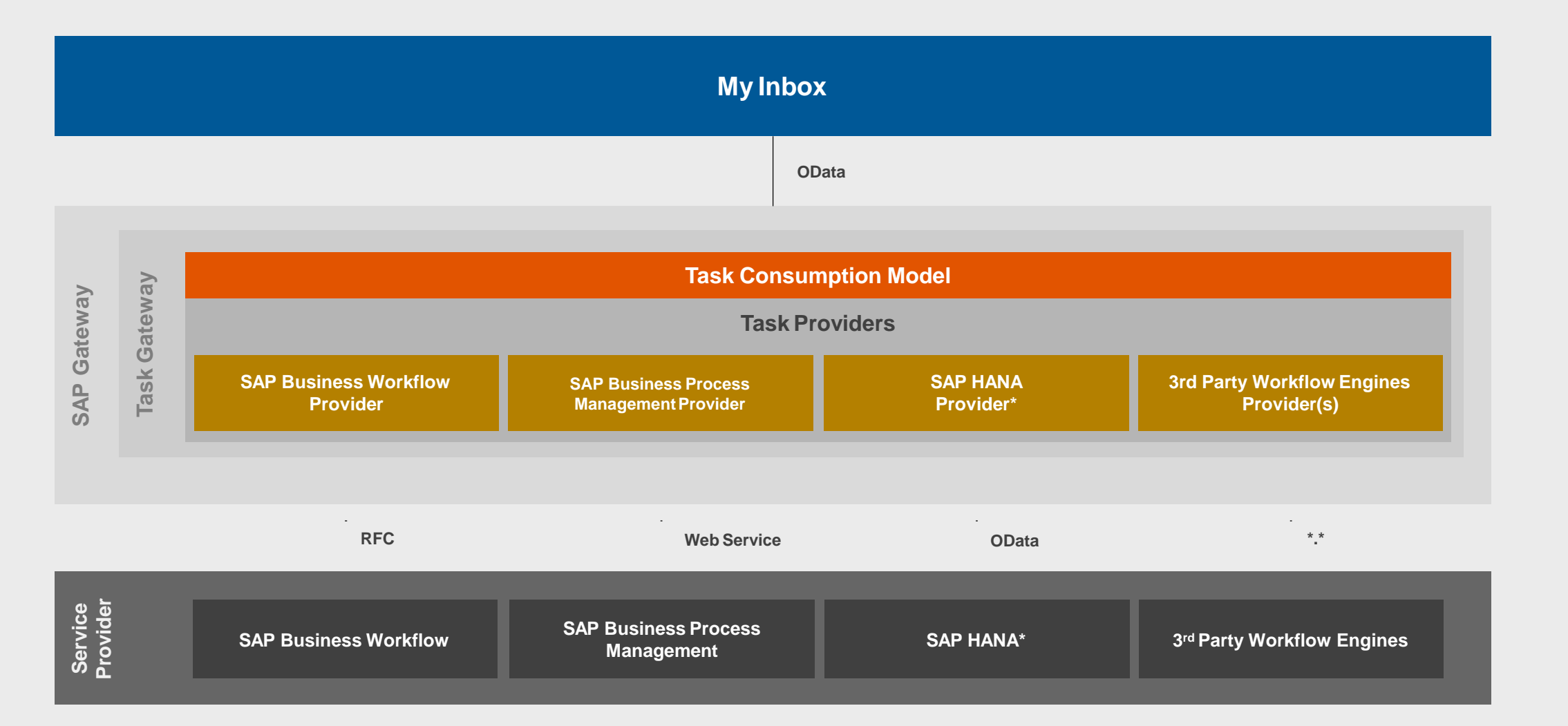
- Unified inbox reduces need for end user training in different applications
- Faster process cycle times due to improved user productivity
- Simple access to approval tasks from mobile devices



For more information on My Inbox, see the overview page in SAP Community Network at: <http://scn.sap.com/docs/DOC-62602>

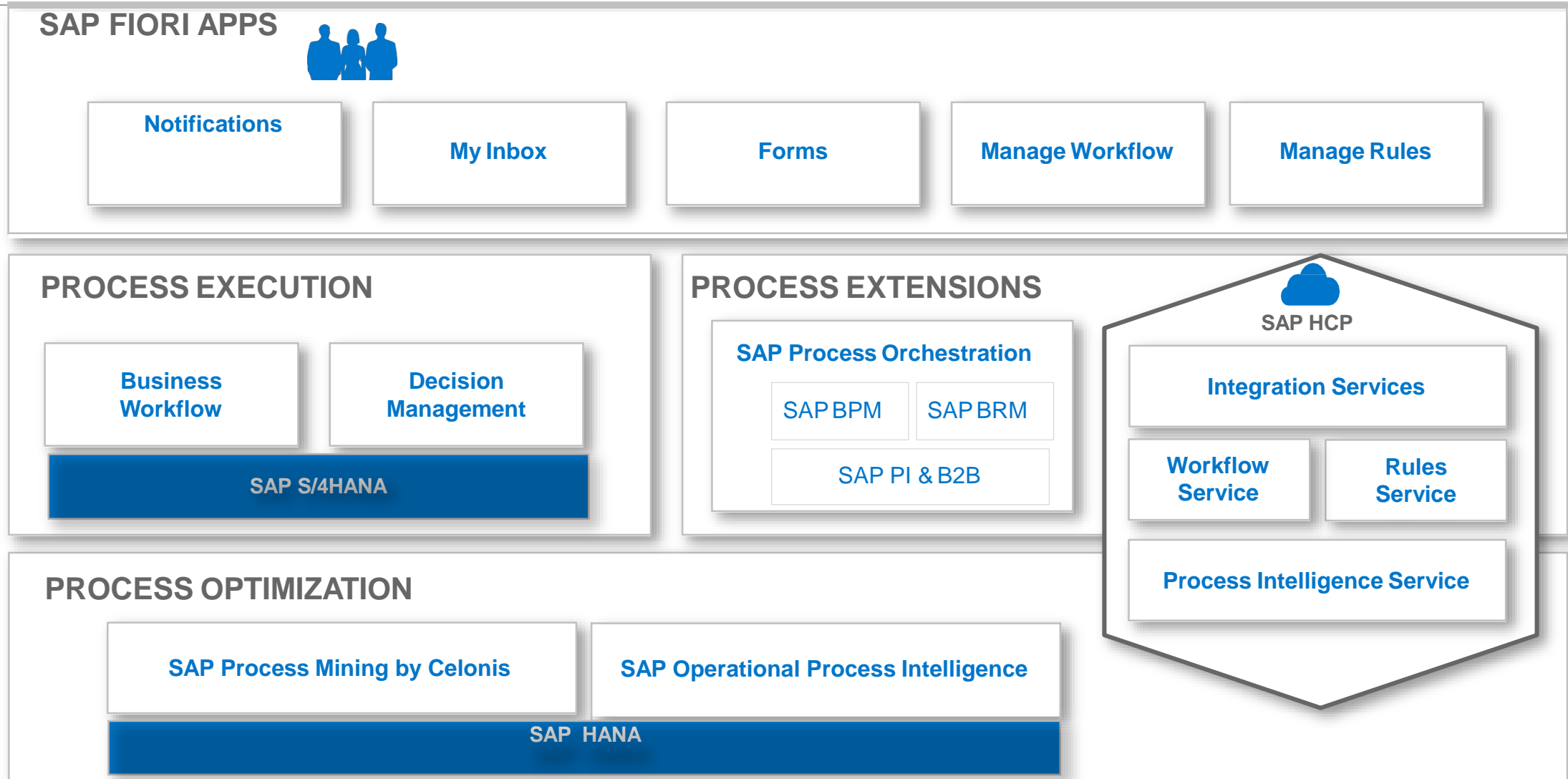
My Inbox, Task Gateway and Task Consumption Model

Architecture View



Integration & Orchestration technology

Enterprise Workflow – new digital user experience – customers, employee, partners



My Inbox in SAP S/4HANA

Public Sector – Earmarked Funds Approval

Approve Earmarked Funds Doc...

Search

Mittelbindung 5500002163 : Genehmigen
Workflow System
Medium

Mittelbindung 5500002162 : Genehmigen
Workflow System
Medium

Funds commitment 400000013 : Approve
Workflow System
Medium

Funds reservation 200152676 : Approve
Workflow System
Medium

Mittelbindung 5500002160 : Genehmigen
Workflow System
Medium

Mittelbindung 5500002157 : Genehmigen
Workflow System
Medium

Funds transfer 5900000002 : Approve
Workflow System
Medium

Funds transfer 5900000001 : Approve
Workflow System

Funds transfer

5900000002

200,00 EUR

i

0

0

Company Code: ISPS 101 600 201504 (PS10)
Document type: Funds Transfer with Workflow (AA)
Posting Date: 26.05.2016
Document Date: 26.05.2016
Document Header Text:
Amount changed: 200,00 EUR
LC amt for release: 200,00 EUR

Document items (to be approved) (1)

Document item	Text	Costs due on	Release amount	Amount changed
1		24.05.2016	-200,00 EUR	-200,00 EUR >

Other Document items (1)

Document item	Text	Costs due on	Release amount	Amount changed
2		24.05.2016	200,00 EUR	200,00 EUR >

Approve Reject Claim Forward Suspend

Approve Earmarked Funds Doc...

Search

Mittelbindung 5500002163 : Genehmigen
Workflow System
Medium

Mittelbindung 5500002162 : Genehmigen
Workflow System
Medium

Funds commitment 400000013 : Approve
Workflow System
Medium

Funds reservation 200152676 : Approve
Workflow System
Medium

Mittelbindung 5500002160 : Genehmigen
Workflow System
Medium

Mittelbindung 5500002157 : Genehmigen
Workflow System
Medium

Funds transfer 5900000002 : Approve
Workflow System
Medium

Funds transfer 5900000001 : Approve
Workflow System

Document items (to be approved) (1 of 1)

Funds transfer

5900000002

i

Document item: 1
Text:
Costs due on: 24.05.2016
Release amount: -200,00 EUR
Amount changed: -200,00 EUR
Open amount: 0,00 EUR
Reduced amount: 0,00 EUR
Ref. document catg.: 0
Reference doc:
Reference item: 0
LC amt for release: -200,00 EUR
Available Amount AVC: -12.856,91 EUR

Account Assignment

Commitment Item: Cus. row Material (400:000)
Funds Center: Management Serv. (10101)
Fund: GENERAL (GENERAL)
Budget Period:
Funded Program: GENERAL (GENERAL)
Functional Area: Functional Area for WH (GENERAL)
Grant: NOT_RELEVANT_FOR_GM (NOT_RELEVANT_FOR_GM)
G/L Account:
Cost Center:
Order:
WBS Element:

Approve

My Inbox in SAP S/4HANA

Hybris Marketing – Campaign Approval

The screenshot displays the SAP S/4HANA 'My Inbox' interface. The top header bar includes the SAP logo, a back arrow, and the text 'My Inbox' with a dropdown arrow. A search icon is located in the top right corner. The main content area is divided into two columns. The left column, titled 'Marketing Approvals (1)', contains a search bar and a list of approval requests. The first entry is 'Approval Request for Campaign Phone sale Campaign' with ID 'CB9980000149' and priority 'Medium'. The right column, titled 'Approval Request for Campaign Phone sale Campaign', shows details for the selected request. It includes the title 'Phone sale Campaign', the ID '1378', and a value of '0.00'. Below this, it indicates the status 'In Approval' and priority 'Medium'. A blue information icon is visible. The details section lists: Start Date: 06/30/2016, End Date: 07/07/2016, Category: Automated Campaign (Once), Media Type: Radio, Program: , Marketing Area: Global, and Description: . The bottom bar contains navigation icons (sort, filter, list) and action buttons: 'Forward', 'Suspend', and a share icon.

Marketing Approvals (1)	Approval Request for Campaign Phone sale Campaign
<p>Search</p> <p>Approval Request for Campaign Phone sale Campaign</p> <p>CB9980000149 Medium</p>	<p>Phone sale Campaign</p> <p>1378</p> <p>0.00</p> <p>In Approval</p> <p>Medium</p> <p>Start Date: 06/30/2016</p> <p>End Date: 07/07/2016</p> <p>Category: Automated Campaign (Once)</p> <p>Media Type: Radio</p> <p>Program:</p> <p>Marketing Area: Global</p> <p>Description:</p>

My Inbox

New table view for expert users

Prashantha H J

My Inbox

CLR

Show Filter Bar

Clear

Filters (1)

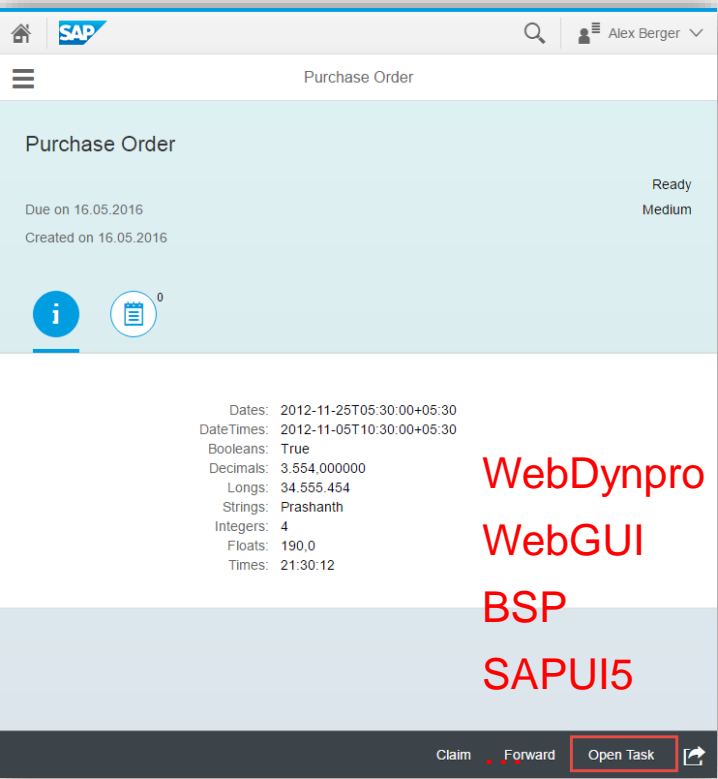
Go

Items (129)

<input type="checkbox"/> Task Title	Status	Priority	Created By	Created On	CA1	CA2	CA3	CustAttribute	
<input type="checkbox"/> Create leave request for Good old company	Reserved	Medium	HJ	15.02.2016	CA1	4000	USD	CA1	>
<input type="checkbox"/> Create leave request for Good old company	Reserved	Medium	HJ	15.02.2016	CA1	4000	USD	CA1	>
<input type="checkbox"/> Create leave request for Good old company	Reserved	Medium	HJ	15.02.2016	CA1	4000	USD	CA1	>
<input type="checkbox"/> Create leave request for Good old company	Reserved	Medium	HJ	15.02.2016	CA1	4000	USD	CA1	>
<input type="checkbox"/> Create leave request for Good old company	Ready	Medium	HJ	15.02.2016	CA1	4000	USD	CA1	>
<input type="checkbox"/> Create leave request for Good old company	Reserved	Medium	HJ	15.02.2016	CA1	4000	USD	CA1	>
<input type="checkbox"/> Create leave request for Good old company	Reserved	Medium	HJ	15.02.2016	CA1	4000	USD	CA1	>
<input type="checkbox"/> Create leave request for Good old company	Reserved	Medium	HJ	15.02.2016	CA1	4000	USD	CA1	>
<input type="checkbox"/> Create leave request for Good old company	Reserved	Medium	HJ	15.02.2016	CA1	4000	USD	CA1	>
<input type="checkbox"/> Create leave request for Good old company	Reserved	Medium	HJ	15.02.2016	CA1	4000	USD	CA1	>
<input type="checkbox"/> Create leave request for Good old company	Reserved	Medium	HJ	15.02.2016	CA1	4000	USD	CA1	>
<input type="checkbox"/> Create leave request for Good old company	Reserved	Medium	HJ	15.02.2016	CA1	4000	USD	CA1	>

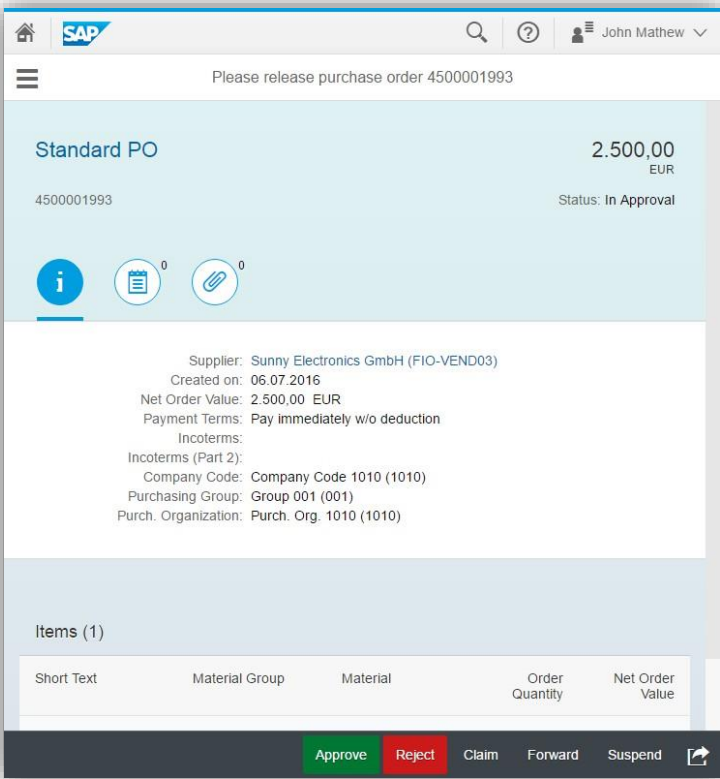
UI Integration Options

Default UI + Open in new window

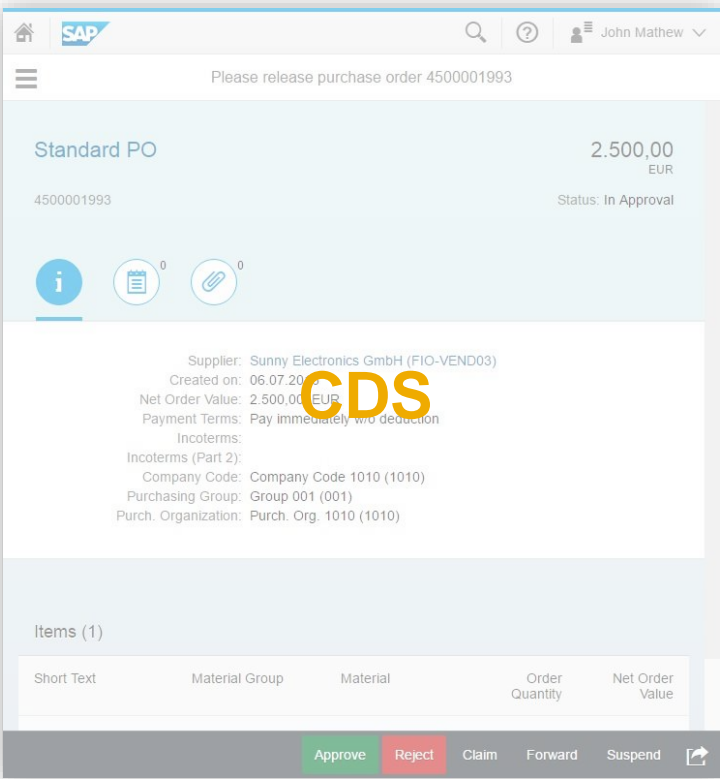


WebDynpro
WebGUI
BSP
SAPUI5

Embedded SAPUI5 component



Planned: Default UI based on CDS View



Extensibility Cookbook

CUSTOMER

SAP Fiori My Inbox

Applicable Release:

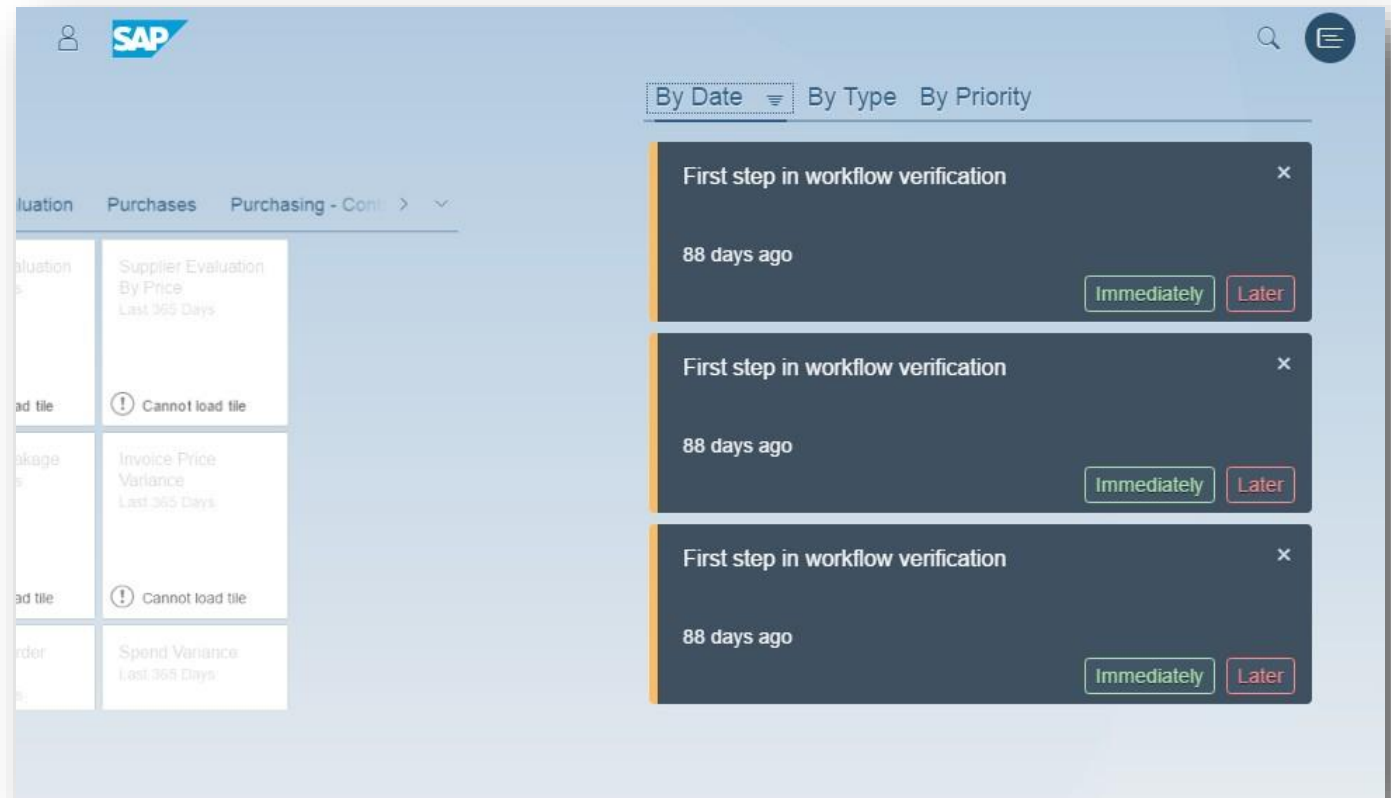
SAP Fiori for Request Approvals 1.0 SP 04

Document Version: 1.0 – 2015-01-30

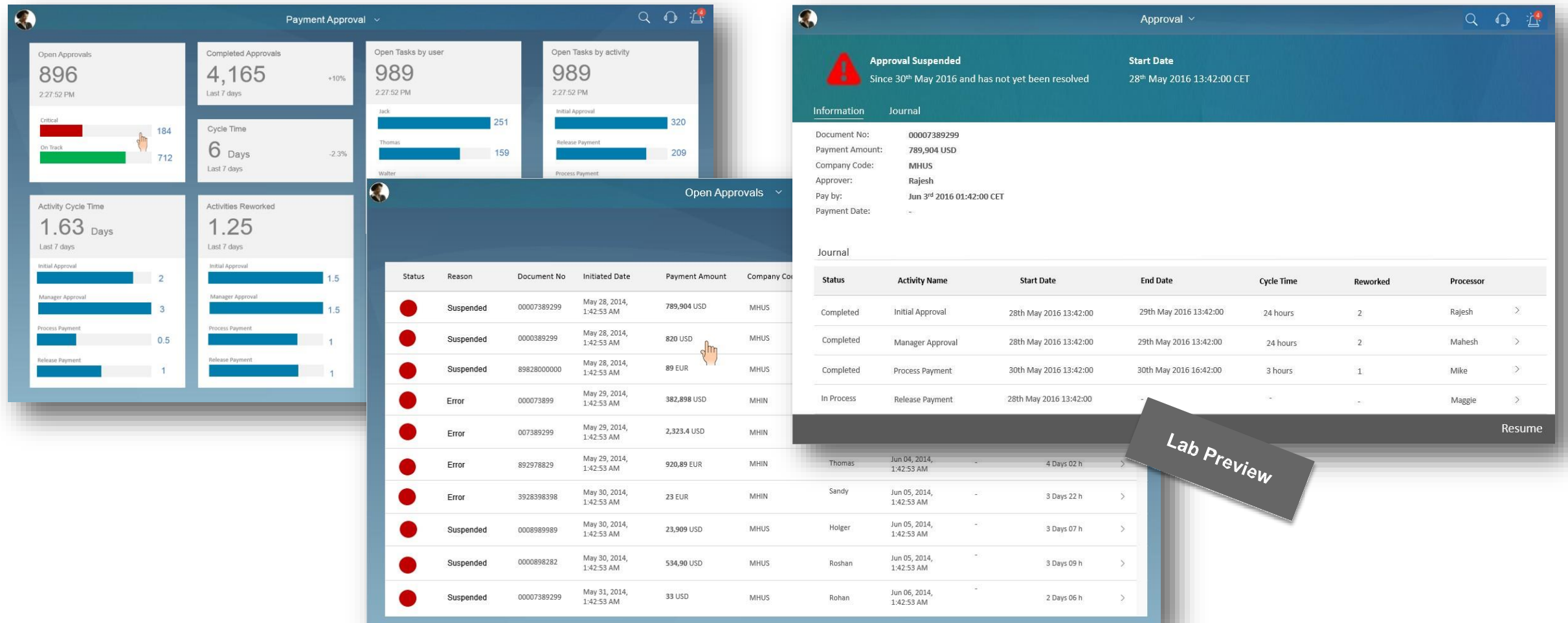
Extending SAP Fiori My Inbox

Workflow Push Notifications

- Notifications for new tasks are displayed in Fiori 2.0 notification center
- Take direct action on notifications
- On click, navigate to task in My Inbox
- Configurable per workflow
- Configure texts and actions
- Transaction: [SWF_PUSH_NOTIF1](#)



Workflow analytics



SAP Cloud Platform

Build and Extend Workflows with SAP Cloud Platform Workflow

[Contact Us](#)

Orchestrate and extend workflows across people and organizations

Planned innovations – Q1&Q2/2017

Business Services - SAP Cloud Platform, workflow service



Planned
innovations

New

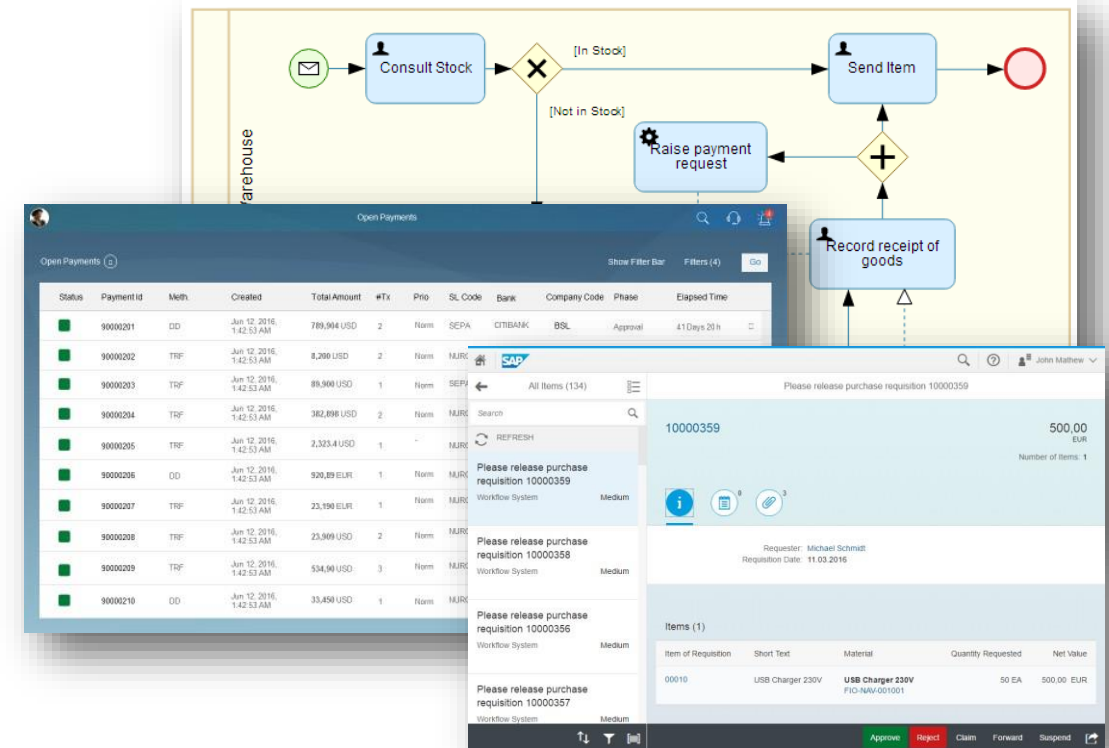
The SAP Cloud Platform, workflow service can be used to orchestrate a sequence of tasks across different people and organizations.

Key capabilities

- Web-based BPMN editor for defining the workflow
- My Inbox application for end users to manage their tasks
- Monitoring and administration of running workflows
- Out-of-the-box workflow analytics
- Connectivity to other applications via service tasks
- REST API to manage workflows and tasks

Benefits

- Rapidly build new workflow-based applications on SAP Cloud Platform
- Extend standard cloud application workflows

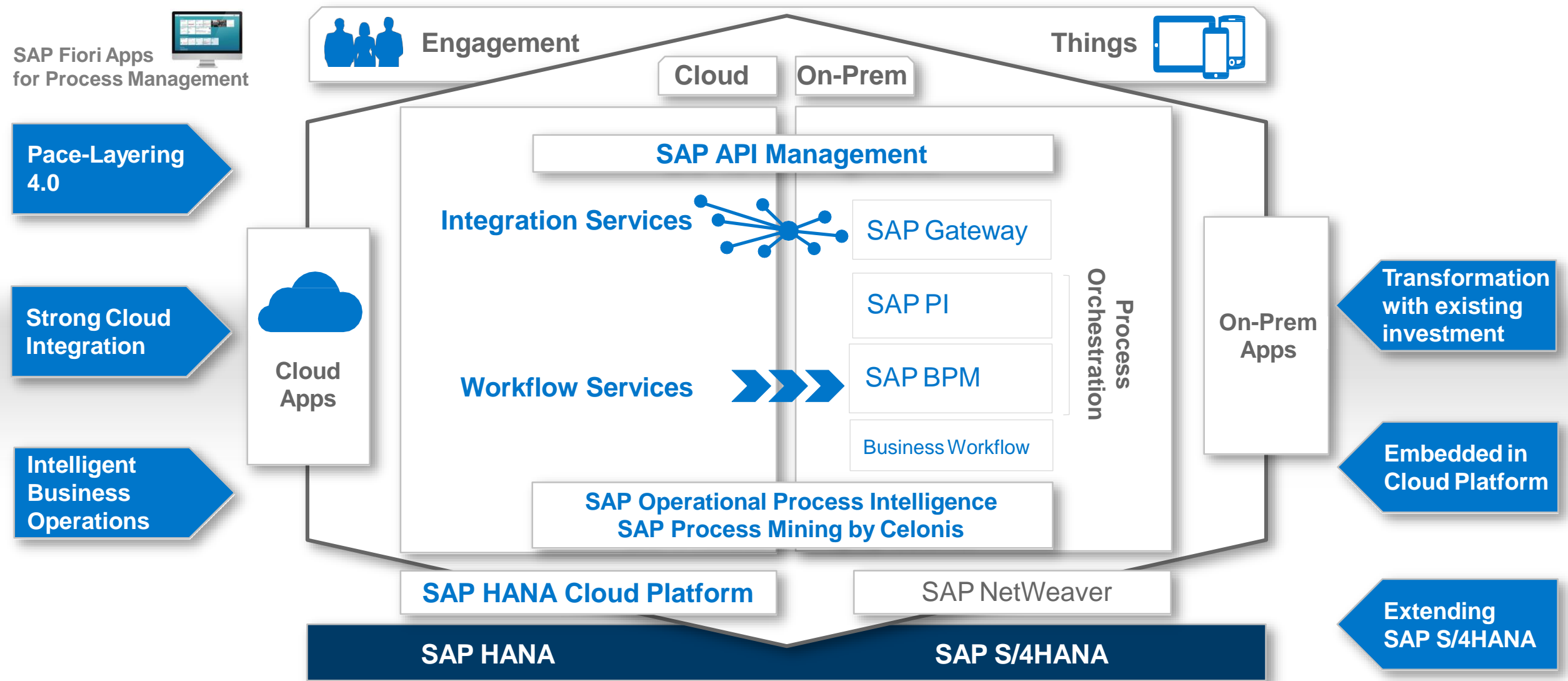


This is the current state of planning and may be changed by SAP at any time.

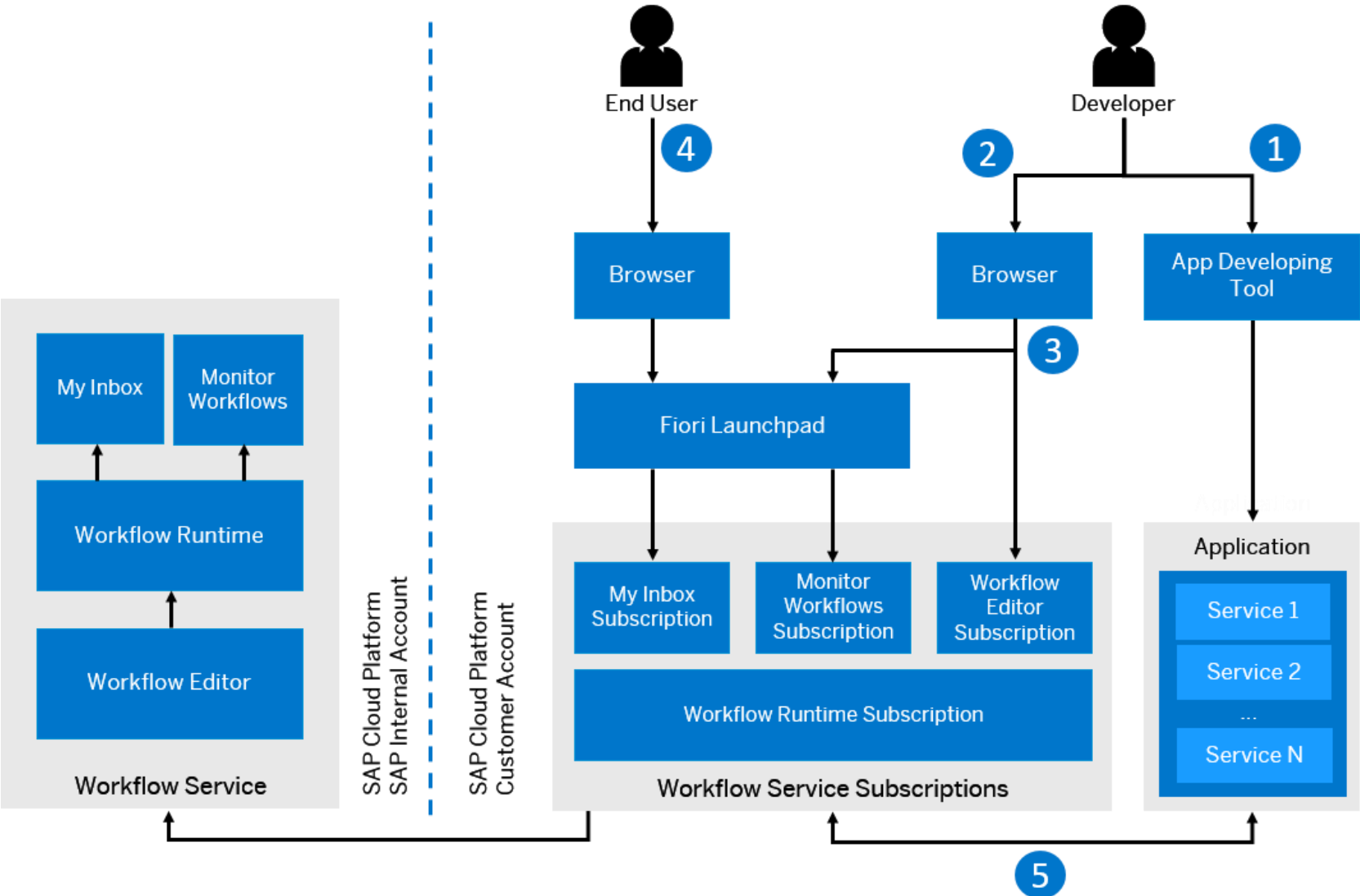
This presentation and SAP's strategy and possible future developments are subject to change and may be changed by SAP at any time for any reason without notice. This document is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement

Integration & Orchestration technology

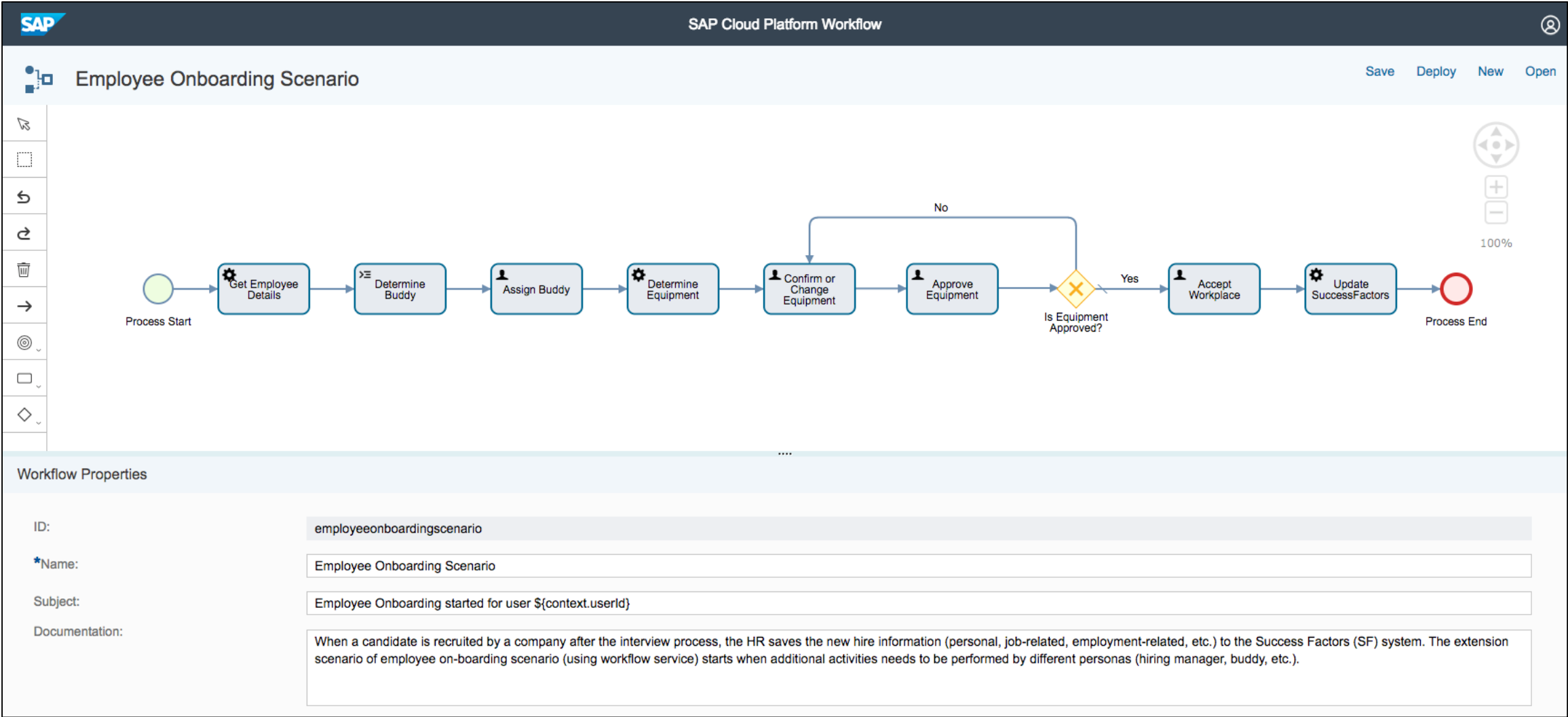
A family of services enabling the digital economy. Six pillars of strategy.



Arquitetura



Development



SAP Cloud Platform Workflow API documentation

version v1

<https://{host}/workflow-service/rest>

Overview

This API provides functionality to work with SAP Cloud Platform Workflow service. You can, for example, start new workflow instances and work with tasks.

[Workflow Definitions](#)[Workflow Instances](#)[Task Instances](#)[XSRF Handling](#)

Workflow Definitions

You can query all deployed workflow definitions.

</v1/workflow-definitions>

[GET](#)

Workflow Instances

You can query running workflow instances and execute lifecycle operations on single workflow instances. This includes starting new workflow instances.

</v1/workflow-instances>

[POST](#)[GET](#)

</v1/workflow-instances/{workflowInstanceId}>

[PATCH](#)

</v1/workflow-instances/{workflowInstanceId}/context>

[GET](#)

</v1/workflow-instances/{workflowInstanceId}/error-messages>

[GET](#)

Summary

Benefit from innovations in Business Workflow

What you can use today

- Business Workflow
- My Inbox
- Custom Fiori UIs
(default UI for user decision)

Planned Innovations (SAP S/4HANA)

- Workflow Push Notifications
- Smart Template for Task UI based on CDS
- Manage Workflows Fiori application and Scenario editor
- Sample implementation in EPM scenario
- Ad-hoc changes to workflows
- Workflow Analytics

Obrigado!!