

MASTERINGSAP

An SAPinsider Company

Mastering SAP Collaborate

22 - 23 May, 2023

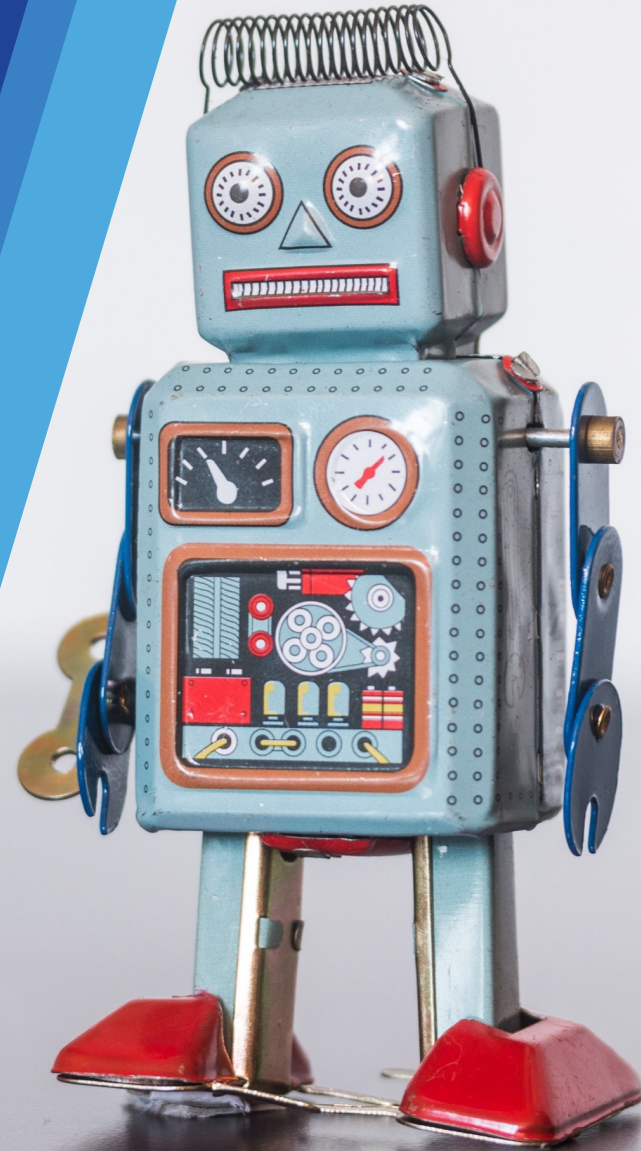
Crown Promenade, Melbourne

Dude, Where's my Workflow Service?

Mike Doyle

Independent Developer

#MasteringSAP #MasteringSAPCollaborate



Dude, Where's my Workflow Service? A Developer's Experience with SAP Build Process Automation



Mike Doyle

Independent Developer

Agenda



Why workflow?



Why in the cloud?



BTP
Workflow
Service



SAP Build
Process Automation

DEMO

THE
LOWDOWN



Automating
Business
Processes

Asynchronous

Substitutions

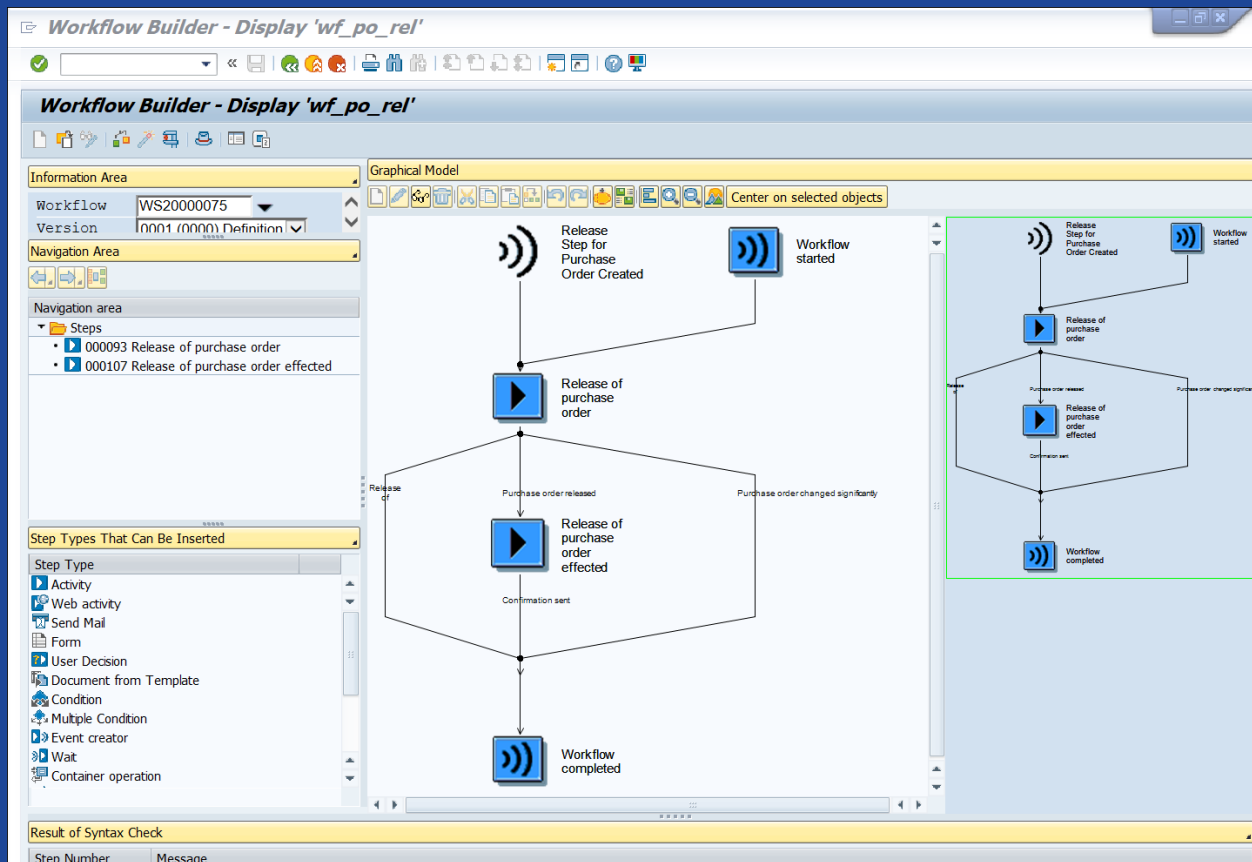
Process
Integrity

Groups

WORKFLOW

*Deadline
Monitoring/Escalation*

Transparency



<https://blog.sap-press.com/using-the-workflow-builder-to-build-an-sap-workflow>

New message Find folder Find document Appointment calendar Distribution lists

Workplace: Jocelyn Dart

- Inbox
 - Unread Documents 343
 - Documents 344
 - Workflow 96
 - Overdue entries 0
 - Deadline Messages 0
 - Incorrect entries 5
- Outbox
 - Resubmission
 - Private folders
 - Shared folders
 - Folders subscribed to
 - Trash
 - Shared trash

Workflow 96

| Ex | Title | Status | Creation Da | Creation | F | At | Co | W |
|----|--|--------|-------------|----------|---|----|----|---|
| | Please release purchase order 4500000507 | | 20.09.2012 | 16:20:30 | 5 | | | |
| | Please release purchase order 4500000503 | | 05.09.2012 | 19:20:30 | 5 | | | |
| | Please release purchase order 4500000493 | | 13.08.2012 | 17:34:56 | 5 | | | |
| | Please release purchase order 4500000492 | | 10.08.2012 | 16:06:20 | 5 | | | |
| | Purchase order 4500000047 released | | 22.06.2012 | 00:18:46 | 5 | | | |
| | Purchase order 4500000047 released | | 22.06.2012 | 00:18:46 | 5 | | | |
| | Please release purchase order 4500000472 | | 14.05.2012 | 22:14:40 | 5 | | | |
| | Please release purchase order 4500000470 | | 13.05.2012 | 23:30:53 | 5 | | | |
| | Please release purchase order 4500000253 | | 01.05.2012 | 15:00:07 | 5 | | | |
| | Please release purchase order 4500000462 | | 27.03.2012 | 09:57:30 | 5 | | | |
| | Please release purchase order 4500000460 | | 25.03.2012 | 21:25:03 | 5 | | | |
| | Please release purchase order 4500000459 | | 09.03.2012 | 16:11:36 | 5 | | | |
| | Please release purchase order 4500000431 | | 14.01.2012 | 04:06:42 | 5 | | | |

Tips & tricks: Group Work Items According to Content.

Please release purchase order 4500000507

| Description | Objects and attachments |
|--------------------------|--|
| No description available | <ul style="list-style-type: none">Purchase Order: 4500000507 |

<https://community.sap.com/t5/technology-blogs-by-sap/which-workflow-inbox-when-pros-and-cons-for-sap-business-workflow-and-sap/ba-p/12993870>

Source: <https://sapinsider.org/articles/workflow-extensions-with-sap-business-technology-platform-your-highway-to-the-cloud/>



S/4HANA

The image is a conceptual diagram set against a cosmic background. A large, glowing yellow sun is at the center. Several planets of different sizes and colors (blue, brown, grey) are arranged in elliptical orbits around the sun. Each planet has a black rectangular label with white text. The labels are: 'S/4HANA' on a large grey planet on the left; 'Public APIs' on a small brown planet at the top left; 'BTP' on the sun itself; 'SuccessFactors' on a blue planet with green landmasses below the sun; 'ServiceNow' on a large brown planet at the bottom right; and 'Cloud for Customer' on a small blue planet at the top right. The background is filled with stars and nebulae.

Public APIs

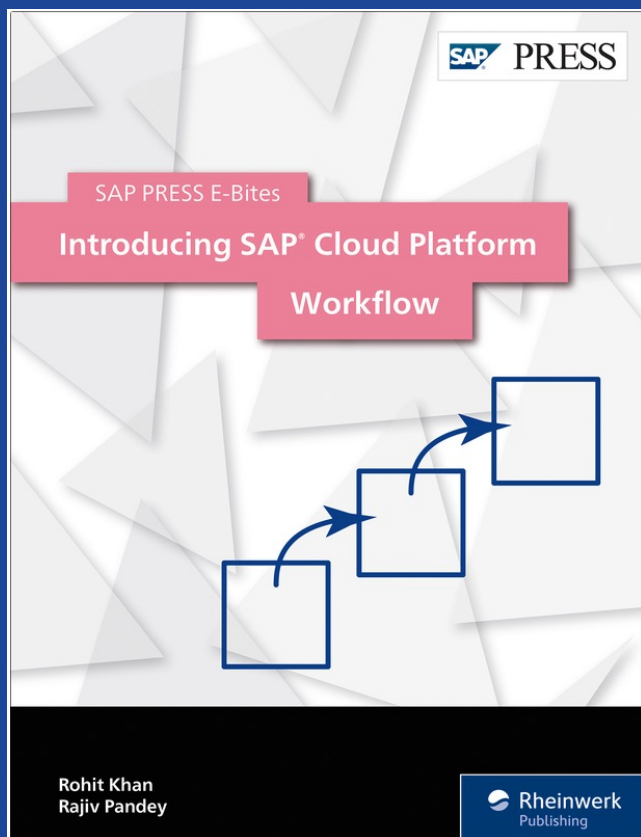
BTP

**Cloud for
Customer**

SuccessFactors

ServiceNow





https://www.sap-press.com/introducing-sap-cloud-platform-workflow_4541/

BPM services on the SAP Cloud Platform



ch_loos

Product and Topic Expert



05-16-2017 8:51 PM



5 Kudos

BPM services on the SAP Cloud Platform

Very exciting times these days. You probably have already heard what's next with SAP Cloud Platform and how it enables customers to become agile optimized and digital enterprises. It is now reaching the "next level" with a multi-cloud architecture and a rich set of business services.

Though this is already very exciting, we are thrilled by the news we want to share with you in the area of BPM services on SAP Cloud Platform. But wait a minute, BPM – Business Process Management - how does this relate to what you have heard about becoming a digital enterprise?

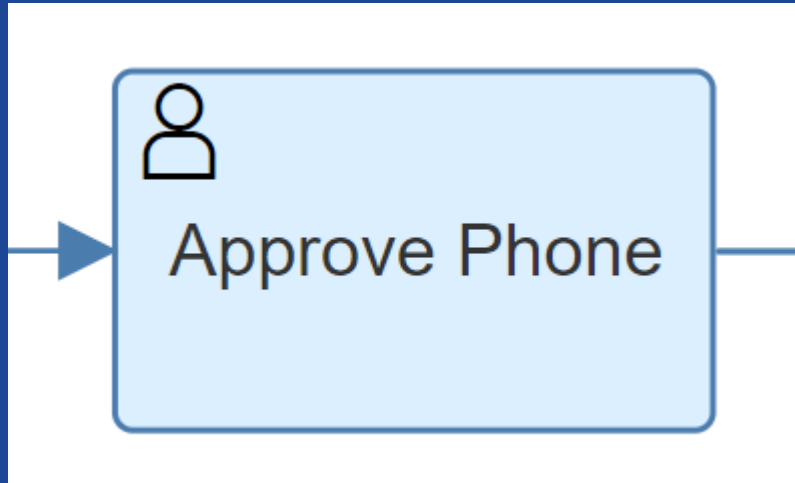
Business agility and 'speed' become imperatives for success in the Digital Economy, and customers are looking for ways to accelerate the delivery of innovative solutions that provide an engaging & seamless customer experience. In order to succeed, enterprises need to revise and optimize their existing business processes.

With the addition of workflow and business rules capabilities to SAP Cloud Platform, developers and line-of-business users can now collaboratively design, run and adapt new business processes.

SAP Cloud Platform Workflow

We are very proud to announce the availability of [SAP Cloud Platform Workflow](#) in all regions. Cross the traditional wall of your enterprise, develop tailored workflows with everyone and everywhere, adapt changes fast and easier and finally design new processes to be ahead of the curve. With SAP Cloud Platform Workflow it's easy to rapidly build new workflow-based applications on SAP Cloud Platform or extend standard cloud application workflows within a Web-based environment.

User Tasks



User Task Properties

GENERAL

DETAILS

USER INTERFACE

* Priority

Medium

Display Texts

* Subject

Approve Order

Description

|

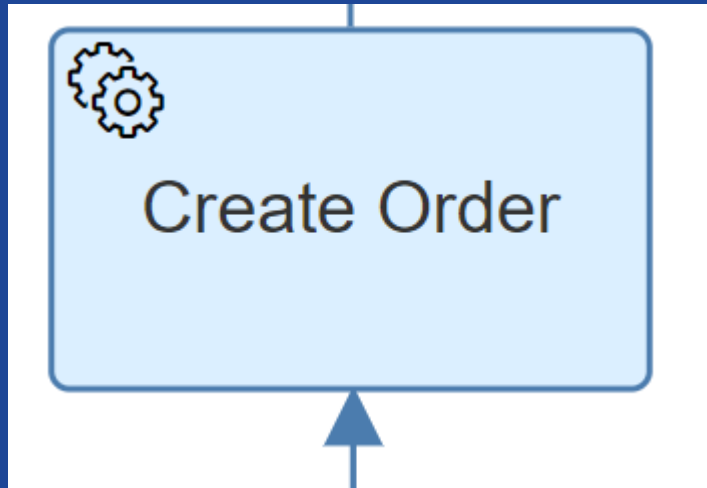
Recipients

Users

`${context.approver}`

Groups

Service Tasks



Service Task Properties

GENERAL

DETAILS

* Destination

phonesupplier_api

* Choose a Service from

Others

Path

/services/orderphone

* HTTP Method

POST

Path to XSRF Token

Request Variable

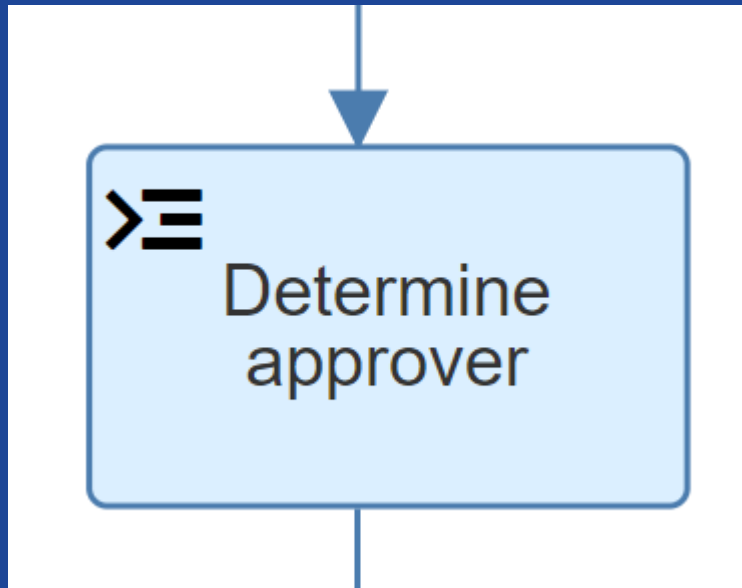
\${context.order.request}

Response Variable

\${context.order.response}

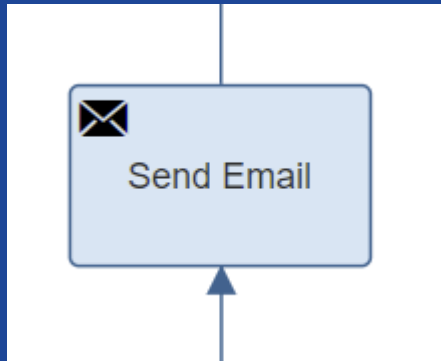
☐ Principal Propagation

Script Tasks



```
if ($.context.price > 500) {  
    $.context.approver = "ceo@workflowdemo.com";  
} else {  
    $.context.approver = "manager@workflowdemo.com";  
}
```

Email Tasks

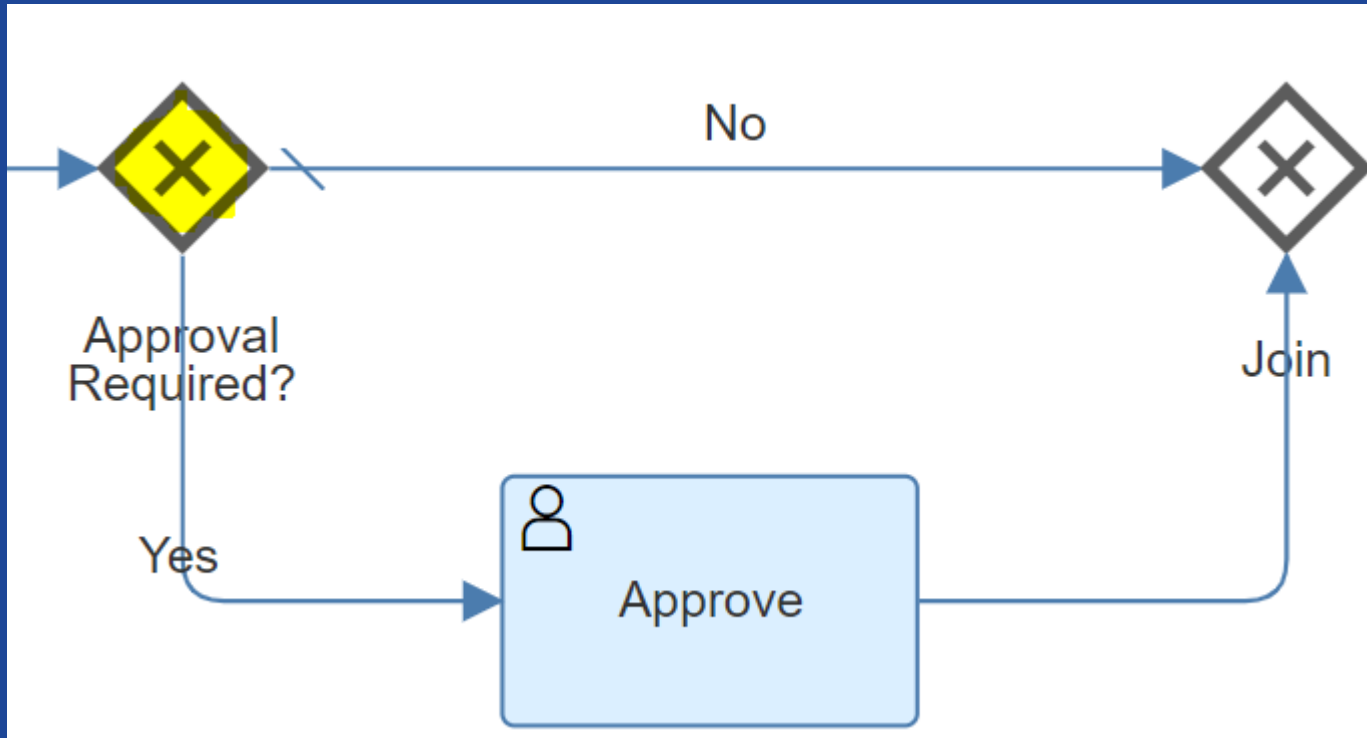


```
<!doctype html>
<html>
  <body>
    <p>
      Dear ${context.recipientName},
      You, a few seconds ago • Uncommitted changes
      A ${context.phoneDesc} has now been dispatched.....
    </p>
  </body>
</html>
```

| GENERAL | DETAILS |
|---|---------|
| | |
| *To | |
| <input type="text" value="\${context.emailAddresses}"/> | |
| Cc | |
| <input type="text"/> | |
| Bcc | |
| <input type="text"/> | |
| <input type="checkbox"/> Ignore Invalid Recipients | |
| *Subject | |
| <input type="text" value="Phone dispatched for \${context.recipientName}"/> | |
| *Configure Mail Body | |
| <div>HTML</div> | |

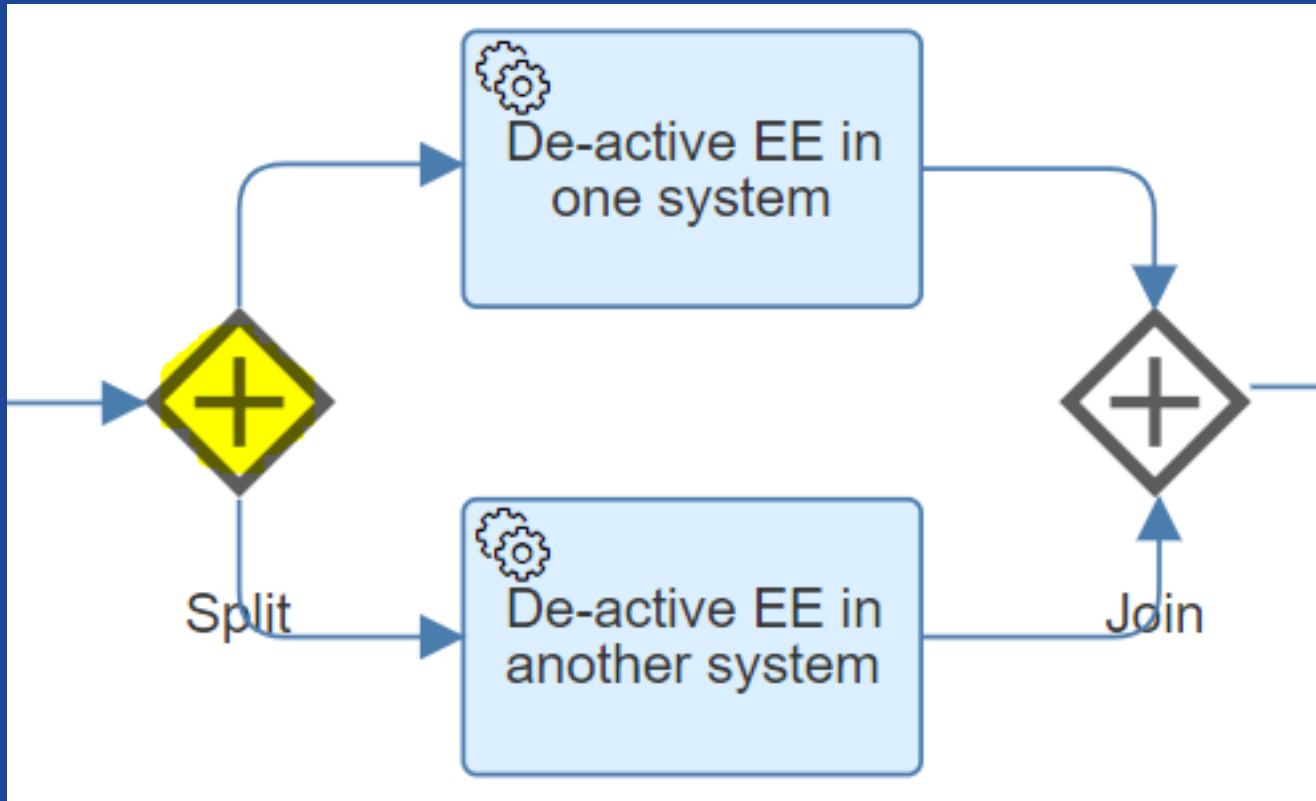
Exclusive Gateways

OR

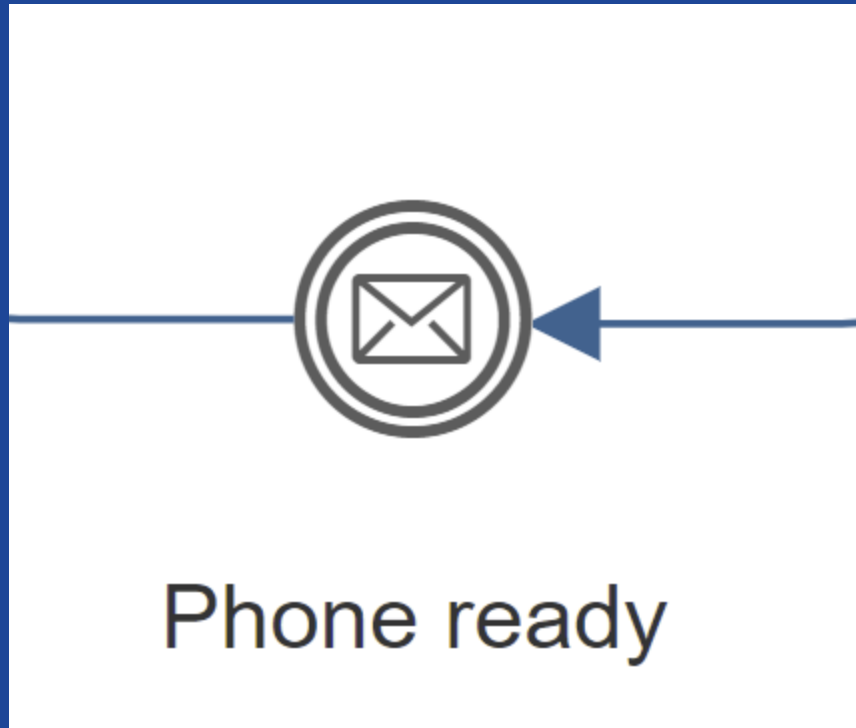


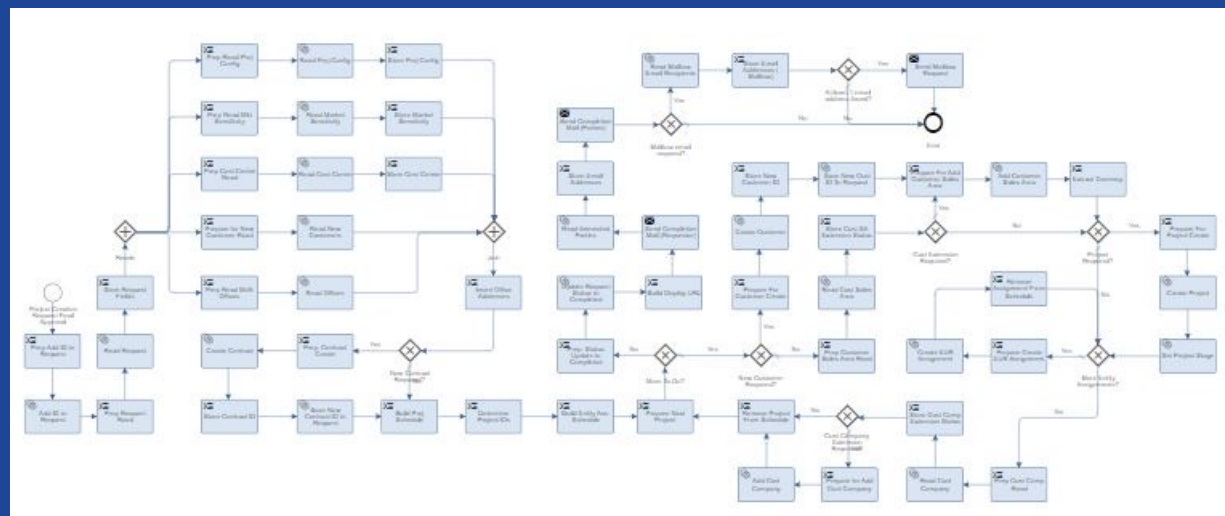
Parallel Gateways

AND



Events





Cloud Platform Workflow: Your Quick-Start Guide



MikeDoyle

Active Contributor



04-02-2019 9:25 PM



17 Kudos

If you haven't tried out the SAP Cloud Platform Workflow Service you really should. It's simple, and easy to use even if you don't have a background in SAP Business Workflow (disclosure: I don't). Read on if you want to learn what it can do for you and if you want some [tips to get you productive faster](#). I won't dwell on the basics and setup so you may want to refer to the references section first for some introductory reading.

<https://community.sap.com/t5/technology-blogs-by-members/cloud-platform-workflow-your-quick-start-guide/ba-p/13392282>



keohanster

Active Contributor



05-24-2019 2:57 AM



0 Kudos

Well done, Mike! You (and assorted others, mentioned here) may be able to drag me from my comfort zone of SAP Business Workflow - or I could drag you *into* it? <bwah ha ha>



MikeDoyle

Active Contributor



05-24-2019 7:39 PM



0 Kudos

So glad you liked it, Sue. I would love to learn Business Workflow. I think they'll both be around for quite a while...

Migrate your SAP BTP Neo Workflow applications to SAP Build Process Automation



SAP Venugopal

Product and Topic Expert



09-14-2023 7:08 PM



5 Kudos

Introduction

SAP Build Process Automation is the successor product of SAP Workflow Management in SAP Business Technology Platform. It includes Workflow, Business Rules, Process Visibility and Robotic Process Automation capabilities with no-code development experience, better integration across these capabilities and life cycle management. The key benefits of migrating to SAP Build Process Automation are explained in my previous [blog](#). **SAP Workflow Management is deprecated from 2022 August 15th** and customers need to plan their workflow/business rules investments in BTP to SAP Build Process Automation. SAP has also announced the [sunset of legacy Neo environment](#) and 2028 Dec 31st is the planned sunset timeline. Workflow and Business Rules are two services in Neo environment consumed by customers to build various process automation use cases. Even though Neo sunset time line is 2028 Dec 31st, customers using Workflow and Business Rules capability may need to migrate earlier to SAP Build Process Automation due to the deprecation of SAP Workflow Management.



Workflow
Management

Decision
Management

SAP Build Process Automation

Process Visibility

Robotic Process
Automation



Form



Approval



Controls and
Events



Automation



Action



Email



Subprocess



Decision

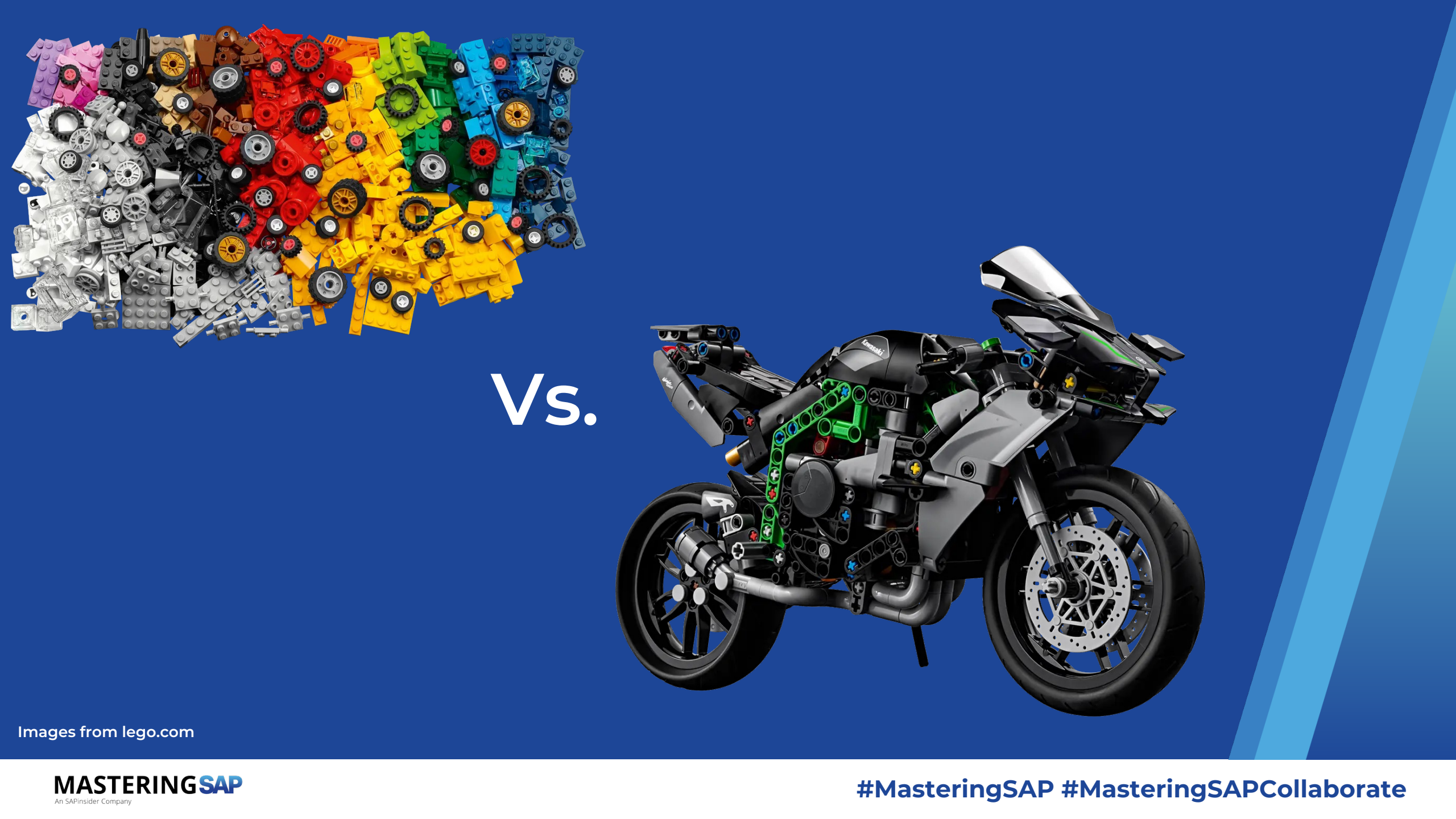


DEMO

```
✓ service ManagerService {  
  
    action approvePurchaseReq(emailAddress: String);  
    action rejectPurchaseReq(emailAddress: String);  
  
    @readonly entity People as projection on onboarding.People;  
    @readonly entity Products as projection on onboarding.Products;  
    @readonly entity PurchaseRequisitions as projection on onboarding.PurchaseRequisitions;  
}
```

DEMO

```
service StarterService {  
  
    action createPurchaseReq(starterEmail: String, phone: String, computer: String);  
  
    @readonly entity Phones as projection on onboarding.Products where category.catID = 'phone';  
    @readonly entity Computers as projection on onboarding.Products where category.catID = 'computer';  
}
```

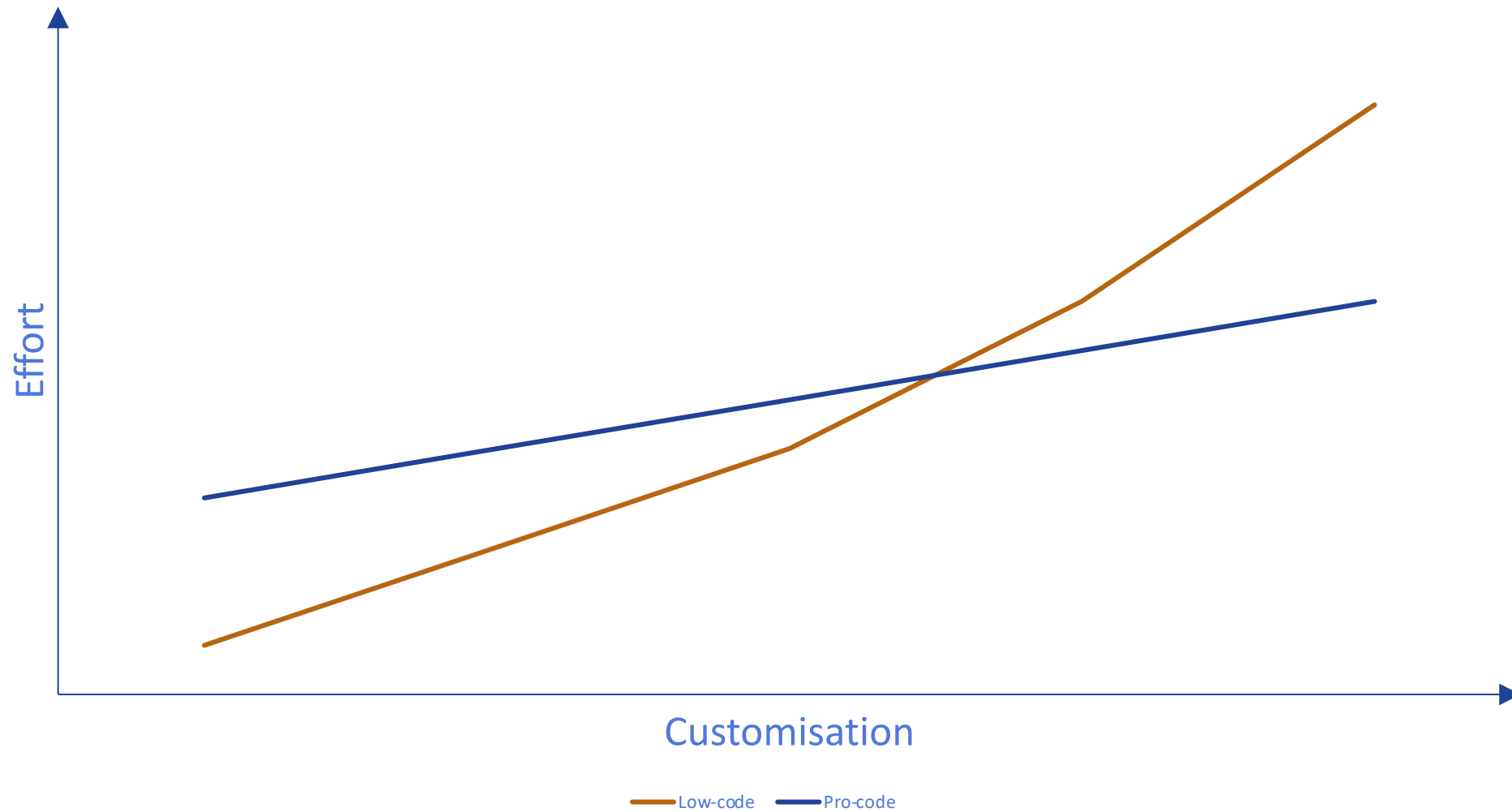


Vs.



Images from lego.com

Comparative effort





Citizen Developer

Filter By [Clear filters \(1\)](#)

☐ Added Projects

▼ Project Type

☐ Process

☐ Actions

▼ Format Type

☐ Ready to use

☐ Template

> Content Type (Free or Paid)

> Catalog

> Product

> Publisher

▼ Line Of Business

☐ Asset Management

☐ Commerce

☐ Customer

☐ Finance

☐ Grid Operations And Maintenance

☒ Human Resources

☐ IT

Projects (41)

Search by project name



Last Updated ▼



Cross System Workflow for SAP SuccessFactor...

This content package enables SAP core hybrid customers to streamline...

Publisher: SAP

Ready to use

Add



Creation of Business Partner (BAPI)

This automation package(Creation of Business Partner (BAPI)) is used for...

Publisher: SAP Build Process Autom...

Template

Create from Template



Creation of Goods Receipt (BAPI)

This automation package(Creation of Goods Receipt (BAPI)) is used for...

Publisher: SAP Build Process Autom...

Template

Create from Template



Contract Employee End Date Extension

Automates contract end date extension for contract employees in...

Publisher: SAP Build Process Autom...

Template

Create from Template



Contract Employee Details Action

Fetches the details of contract employees from the SAP...

Publisher: SAP Build Process Autom...

Ready to use

Add



Manage Employee Central Stalled...

Automate the process of managing stalled workflows in the SAP...

Publisher: SAP Build Process Autom...

Template

Create from Template



SuccessFactors Workflow Action

Action that utilizes the SAP SuccessFactors employee central AP...

Publisher: SAP Build Process Autom...

Ready to use

Add



Employment Information Action

Action that utilizes the SAP SuccessFactors employee central AP...

Publisher: SAP Build Process Autom...

Ready to use

Add



Position Management Action

Action that utilizes the SAP SuccessFactors employee central AP...

Publisher: SAP Build Process Autom...

Ready to use

Add

Pro-code Tools

Custom Logic

Limitations

Consistency

Responsiveness

Migrate your SAP BTP Neo Workflow applications to SAP Build Process Automation



SAP Venugopal

Product and Topic Expert



09-14-2023 7:08 PM



5 Kudos

community.sap.com/t5/technology-blogs-by-sap/migrate-your-sap-btp-neo-workflow-applications-to-sap-build-process/bap/13576528

Introduction

SAP Build Process Automation is the successor product of SAP Workflow Management in SAP Business Technology Platform. It includes Workflow, Business Rules, Process Visibility and Robotic Process Automation capabilities with no-code development experience, better integration across these capabilities and life cycle management. The key benefits of migrating to SAP Build Process Automation are explained in my previous [blog](#). SAP Workflow Management is deprecated from 2022 August 15th and customers need to plan their workflow/business rules investments in BTP to SAP Build Process Automation. SAP has also announced the [sunset of legacy Neo environment](#) and 2028 Dec 31st is the planned sunset timeline. Workflow and Business Rules are two services in Neo environment consumed by customers to build various process automation use cases. Even though Neo sunset time line is 2028 Dec 31st, customers using Workflow and Business Rules capability may need to migrate earlier to SAP Build Process Automation due to the deprecation of SAP Workflow Management.

9 All

👤 3

Fieldglass

🌟 4

S/4Hana Cloud

👤 2

SAP SuccessFactors

🌟 0

Others

Task Center

Refresh Tasks

Search:

Search by Task Title🔍

Task Type:

▾

Priority:

▾

Status:

▾

Created Within:

MMM d, y - MMM d, y📅

Due By:

MMM d, y📅

GoClearAdapt Filters

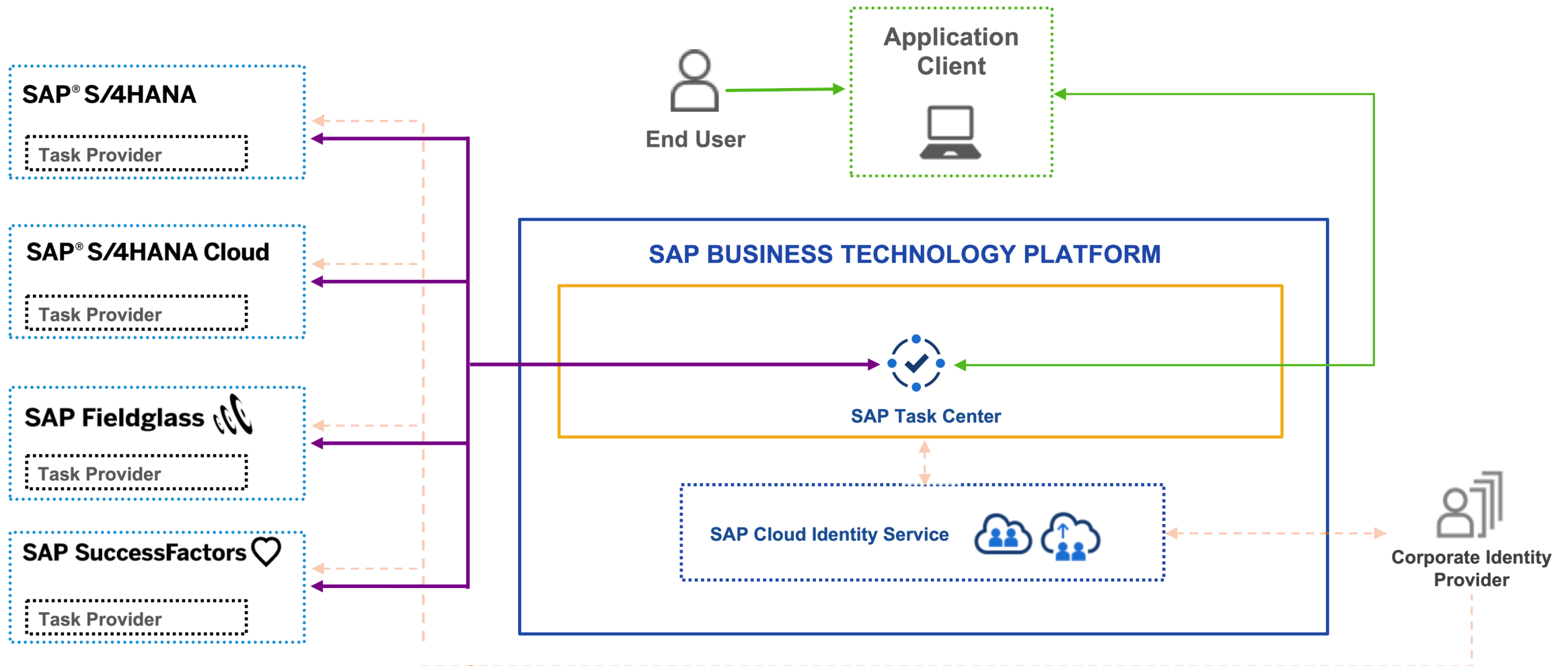
🔍

🔍

Tasks (9)

↑↓⚙️

| Task | Priority | Created By | Status | Created On | Due | Actions |
|--|-----------|------------|--------|--------------|-----|-------------|
| Job Posting (ARRRJP00000016) Fieldglass task | Medium | | Open | Nov 19, 2021 | | Approve ▾ > |
| Annual Leave (GBR) (15/11/2021 - 15/11/2021): Claire Pendery SAP SuccessFactors Task | Medium | | Open | Nov 2, 2021 | | Approve ▾ > |
| Annual Leave (GBR) (07/11/2021 - 08/11/2021): Claire Pendery SAP SuccessFactors Task | Medium | | Open | Nov 2, 2021 | | Approve ▾ > |
| Approve Purchase Order 4500000006 S/4Hana Cloud task | Very High | | Open | Oct 12, 2021 | | Approve ▾ > |
| Approve Purchase Order 4500000004 S/4Hana Cloud task | High | | Open | Sep 17, 2021 | | Approve ▾ > |
| Approve Purchase Order 4500000003 S/4Hana Cloud task | Medium | | Open | Sep 17, 2021 | | Approve ▾ > |
| Approve Purchase Order 4500000002 S/4Hana Cloud task | Low | | Open | Sep 9, 2021 | | Approve ▾ > |
| Job Posting (ARRRJP00000006) 🗨️ Fieldglass task | Medium | | Open | Aug 27, 2021 | | Approve ▾ > |
| Job Posting (ARRRJP00000005) Fieldglass task | Medium | | Open | Aug 27, 2021 | | Approve ▾ > |



Source: Fabian Lehmann "Handling Tasks in an efficient, integrated and harmonized way using SAP Task Center"

<https://community.sap.com/t5/technology-blogs-by-sap/handling-tasks-in-an-efficient-integrated-and-harmonized-way-using-sap-task/ba-p/13513521>



How to Connect with Me

E: mike.e.doyle@gmail.com

Li: [linkedin.com/in/mikedoyle/](https://www.linkedin.com/in/mikedoyle/)

@MikeEDoyle
@ mikedoyle@mastodon.cloud

MASTERINGSAP

An SAPinsider Company

#MasteringSAP
#MasteringSAPCollaborate