

# Build Process Automation Use Case: Vendor Onboarding with SAP BTP

ASUG Minneapolis Chapter Meeting | October 26, 2023

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SAP Solution Architect  
CNT Management Consulting Inc



**Sponsored by:**



# Agenda

- Introduction
- SAP BTP concepts
- Discovery Center
- SAP Build Process Automation, SAP Build Apps, SAP Build Workzone
- Case Vendor Onboarding
- Summary, Q&A

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# CNT Management Consulting



# CNT Portfolio

## SAP Business Transformation

- #rise2s4 conversion package to RISE with SAP
- #run2s4 conversion package ECC to SAP S/4HANA
- SAP S/4HANA Public Cloud
- SAP S/4HANA pre-studies and roadmaps
- SAP S/4HANA greenfield implementations
- SAP S/4HANA brownfield conversions

## SAP Consulting

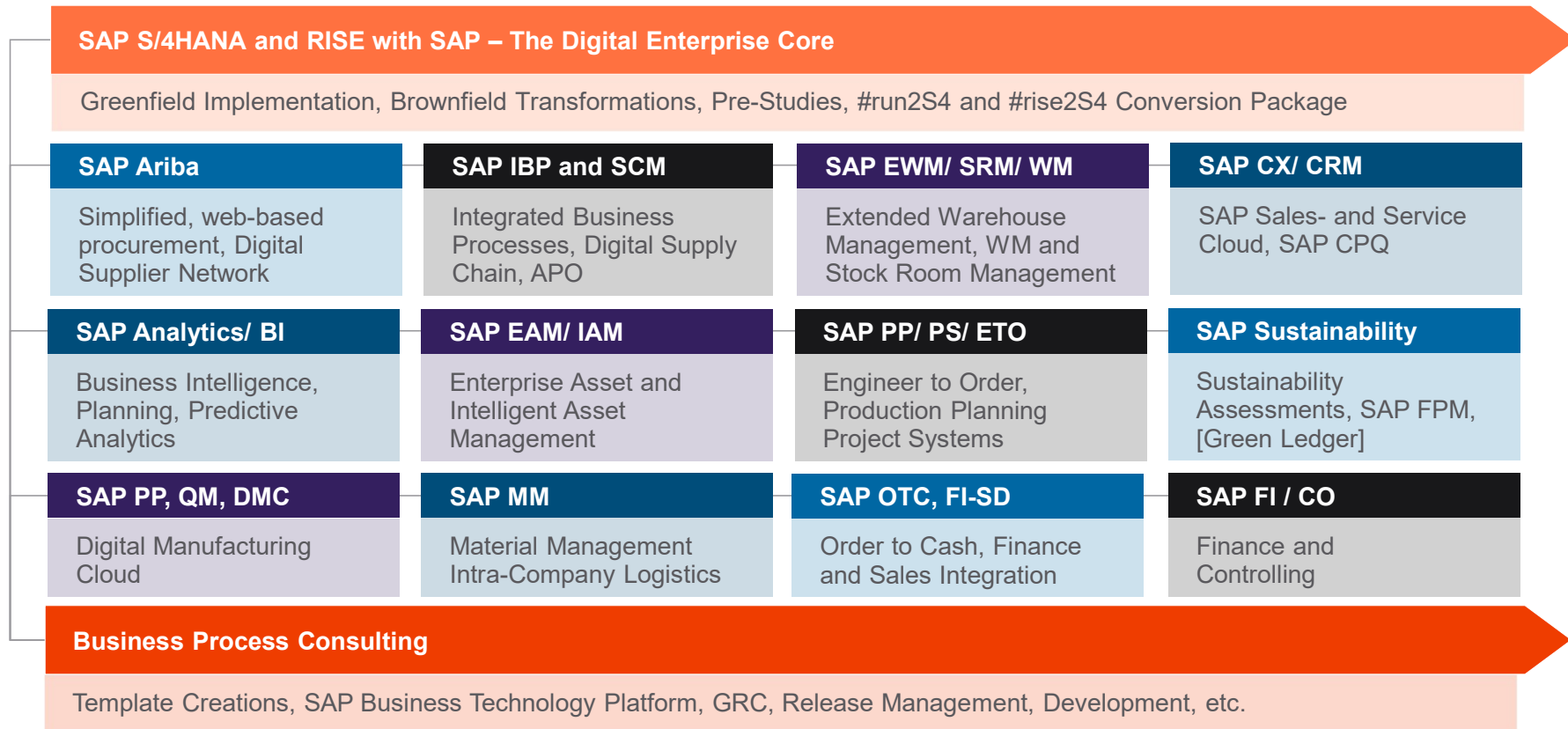
- Functional SAP consulting
- Global business processes and templates
- End-to-end SAP implementations and rollouts
- Integration management
- SAP master data and data migration
- Program-, project-, and change management

## SAP Cloud Solutions

- SAP S/4HANA Cloud and RISE with SAP PCE
- SAP Ariba / Spend and SAP Business Networks
- SAP CX, CS / Customer Experience, Service Cloud
- SAP IBP/ Integrated Business Planning
- SAP SuccessFactors and Concur
- SAP DMC/ Digital Manufacturing Cloud
- SAP BTP/ Business Technology Platform

CNT is an SAP implementation firm covering the complete SAP spectrum

# SAP Competences



CNT maintains dedicated competence teams for the different SAP areas

# CNT Awards and Recognitions by SAP



**Winner of the 2021 SAP Partner Pinnacle Award\***



Quality Award 2022  
Rapid Time to Value  
[Rosenbauer]



Quality Award 2022  
Rapid Time to Value  
[UBM]



Quality Award 2022  
Business Transformation  
[Pfeiffer]



Quality Award 2021  
Time to Value  
[Bachem]



Quality Award 2021  
Business Transformation  
[Pfeiffer]



Quality Award 2021  
S/4HANA Transformation  
[Boehringer Ingelheim]



Quality Award 2019  
Cloud Transformation  
[Porr Group]



Quality Award 2019  
Fast Delivery  
[Porsche]



Quality Award 2018  
Fast Delivery  
[TANN Group]



Quality Award 2018  
S/4HANA Innovation  
[Listroj]



Quality Award 2018  
Business Transformation  
[Hoerbiger]



SAP Partner of the Year 2020  
SAP LoB Cloud



SAP Partner of the Year 2019  
SAP Quality



SAP Partner of the Year 2019  
SAP S/4HANA Move



SAP Gold Partner

CNT is regularly recognized by SAP with Quality Awards



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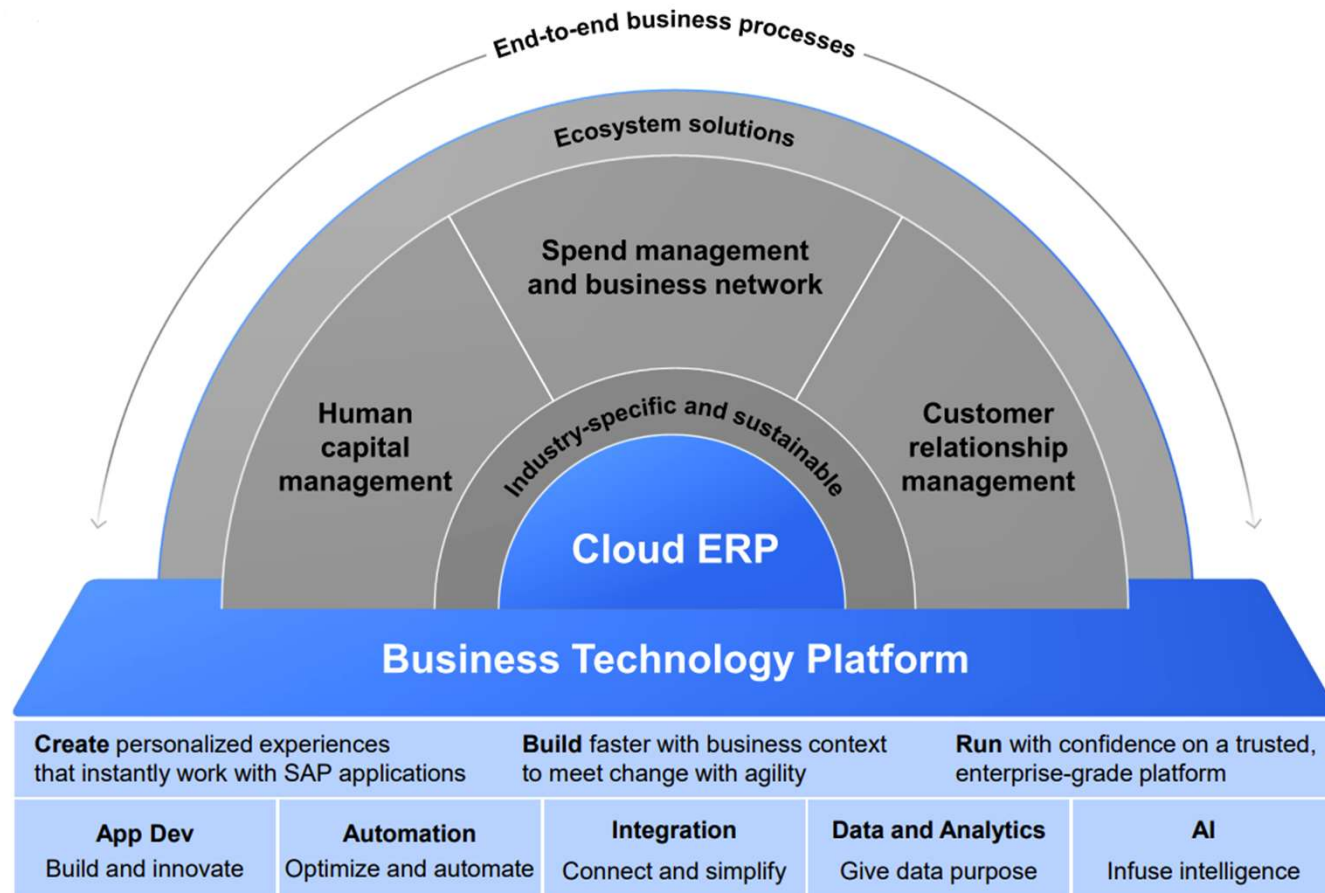
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# SAP BTP Concepts

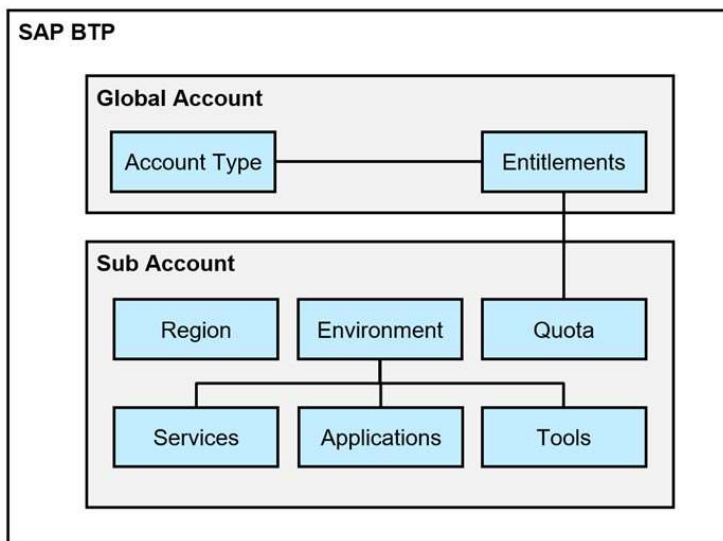
BTP = Business Technology Platform

- PaaS (Platform-as-a-Service) hosted by cloud providers
- to **build** and **extend** SAP applications quickly
- consume existing services
- solutions spanning **data and analytics, application development** and **automation, integration, enterprise planning** and **artificial intelligence** technologies
- various programming languages
- various tools
- different costing plans (consumption based, CPEA, pay-as-you-go)

# SAP BTP Concepts



# SAP BTP Components



## Global Account

- represents contract with SAP
- manage sub-accounts, members, entitlements, and quotas

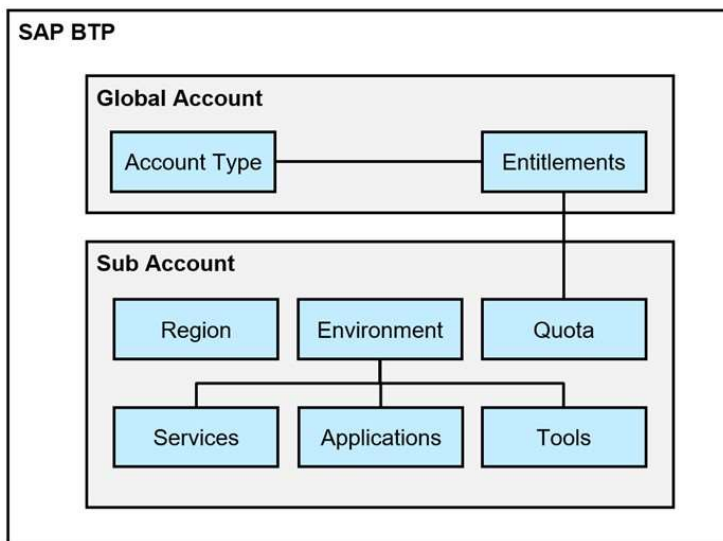
## Sub-account (1:n)

- structure according your organization/projects
- deploy applications
- use services
- manage subscriptions
- entitlements and quotas to be assigned

## Regions

- applications are deployed in different regions
- represents a geographical region (Europe, US,...)

# SAP BTP Components



## Environments

- constitute the actual platform-as-a-service offering
- Cloud Foundry, NEO, ABAP

## Cloud Foundry

- open platform
- manages ABAP, Java, JavaScript

## ABAP

- extend existing ABAP-based applications
- develop ABAP cloud apps

## Services

- enable, facilitate, or accelerate the development of applications

## SAP BTP Cockpit

- central point of entry
- access/manage your accounts and applications

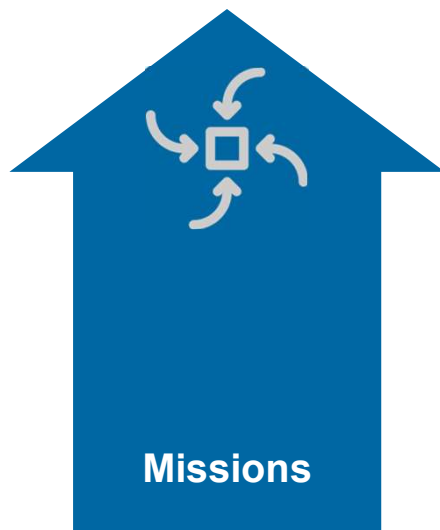
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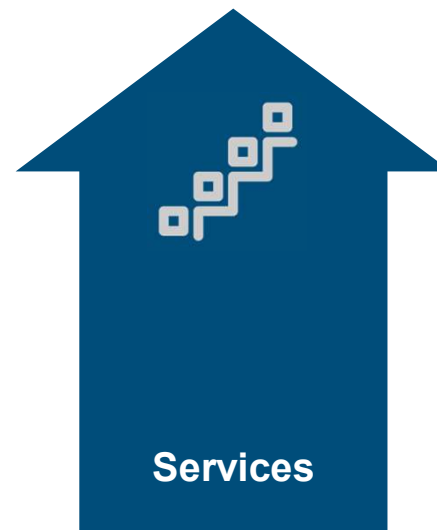
# SAP Discovery Center

central landing page to get first information concerning BTP applications

Two main parts:



Lists Use Cases and guides you through the implementation



Lists all available services on the BTP including the pricing

# SAP Discovery Center

Welcome to the SAP Discovery Center

Adopt and understand SAP Business Technology Platform to turn data into business value

Search for missions and services

OFFERINGS

## Our Cosmos



### Missions

Implement your use cases on SAP Business Technology Platform, with step-by-step guidance and a well-established support from topic experts and SAP Community.



### Services

Integrate and extend your solutions, optimize your business processes, and create an engaging digital experience using SAP Business Technology Platform services.



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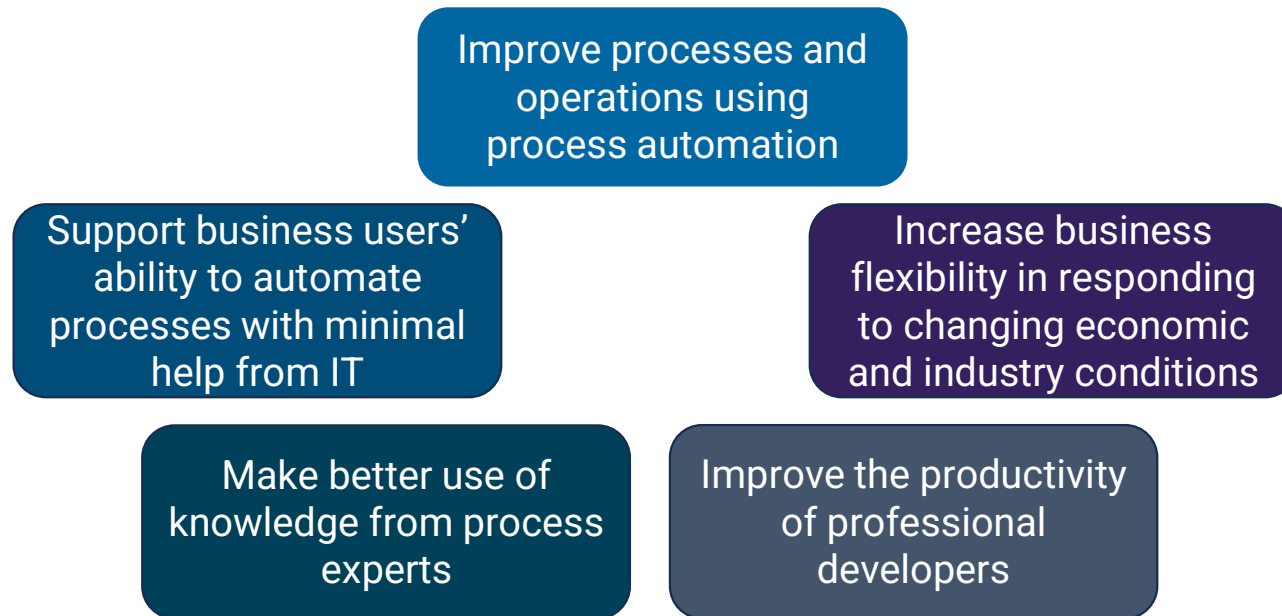
## SAP Build Process Automation

SAP BTP service that allows citizen developers to adapt, improve, and innovate business processes with low-code/no-code capabilities

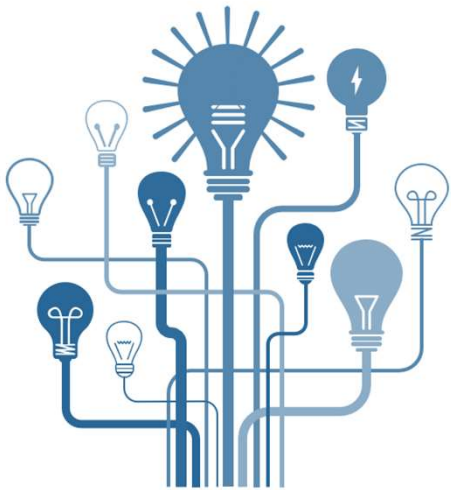
- combines workflow management, RPA (Robotic Process Automation) functionality, decision management, process visibility, and embedded AI capabilities into one intuitive low-code experience.
- enables professional developers and business users to automate workflow processes and manual tasks with visual drag-and-drop tools

# SAP Build Process Automation

## Objectives



# SAP Build Process Automation

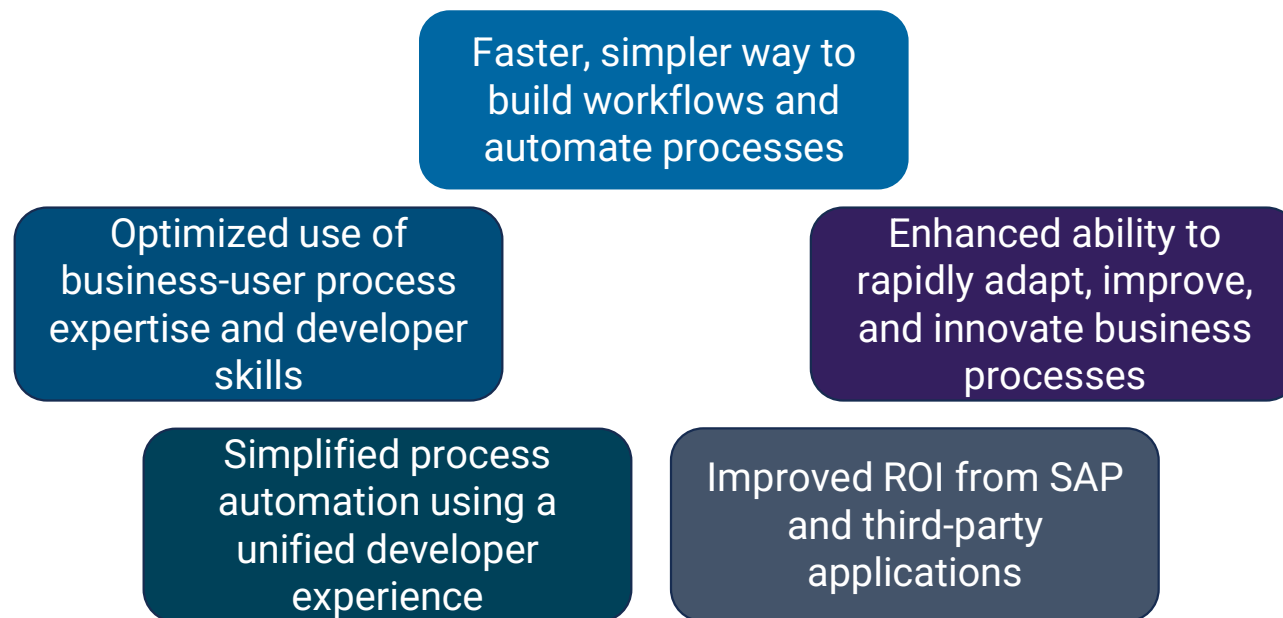


## Solution

- Intuitive workflow management and RPA functionality in a single solution
- Low-code and no-code tools to simplify workflow creation, decision management, and process visibility
- Automation of routine tasks using software bots
- Intelligent document processing using AI and machine learning
- Native process integration functionalities
- Prebuilt functionality, templates, and predeveloped industry-specific content
- Trusted enterprise-grade platform.

# SAP Build Process Automation

## Benefits



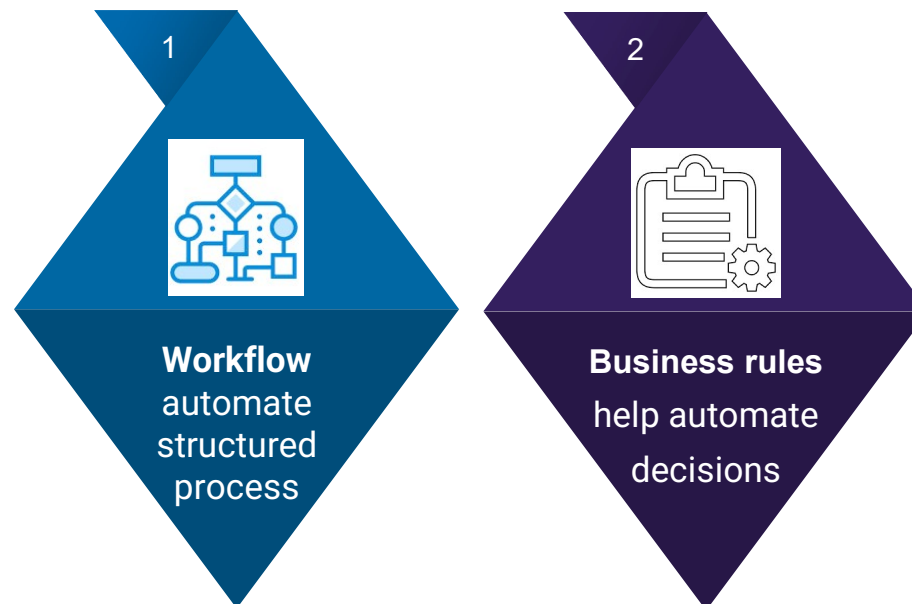
# SAP Build Process Automation

## Lobby

Starting point for creating, accessing and managing projects

Build forms, workflows and automations, automate decisions

## Features used



# SAP Build Apps

= professional application development solution

create apps without code regardless of role or skill level

**Build user interfaces easily**

**Create data models and business logic visually**

**Integrate seamlessly**

**Integration wizard**

**Secure Access**

Compose enterprise-grade custom apps with drag-and-drop ease.

Build cloud services without code

Connect to SAP and non-SAP solutions securely with pre-built components, connectors, and integrations

Integrate modern APIs in minutes with the REST integration wizard.

Leverage SAP BTP Authentication for login and access control to SAP and other applications

## SAP Build Workzone

former known as SAP Fiori Launchpad + additional functionality

- enables you to easily build business sites
- centralized access to business application information on any device

### Quickly build business sites

Create and customize business sites with drag-and-drop simplicity.

### Connect enterprise applications with ease

Integrate SAP and non-SAP solutions with pre-built integrations and connectors.

### Work together smarter

Maximize team productivity by enabling guided experiences and knowledge sharing.



# SAP Build Process Automation

## Benefits

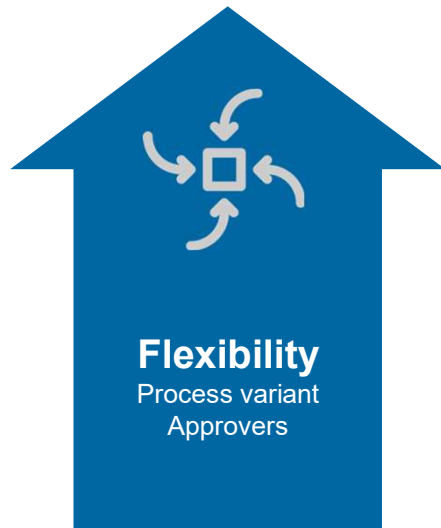


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## Vendor Onboarding - Purpose

= live process content package to automate vendor creation process



## Vendor Onboarding - Features

Create vendor for all usage types

New variant of process can be created with now-code / lowcode approach.

vendor access the cloud-based application or any internal team

Add custom business validations or restrictions

Multiple approval steps can be added

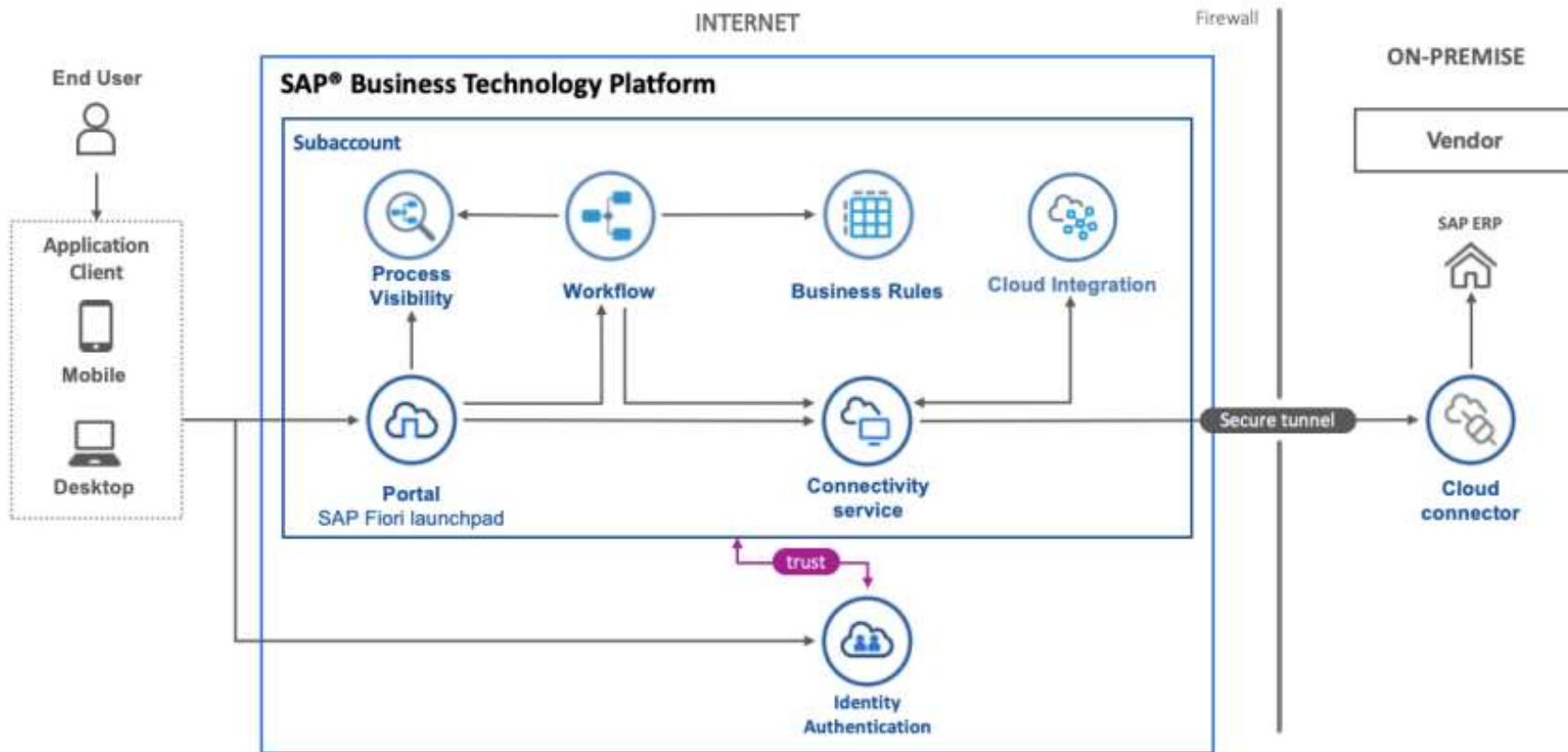
Automatic email notification to all parties involved

approvers automatically assigned based on configurable business rule

**Automatic creation after successful approval**

Out of the box visibility into KPIs

# Vendor Onboarding – Big Picture



## Vendor Onboarding – Technical Prerequisites

- **SAP Build Process Automation** or SAP Workflow Management to orchestrate the process
- Cloud Integration capability within **SAP Integration suite** to consume the RFC, BAPI and IDoc from SAP ERP.
- **SAP Cloud Connector** to establish access to on-premise resources.
- SAP Cloud Portal service or **SAP Launchpad service** to access the apps that are involved in the process.
- **SAP Cloud Identity Services** - Identity Authentication (optional).
- SAP Web IDE or **SAP Business Application Studio** to modify/deploy the SAPUI5 applications.
- **SAP BTP Cloud Foundry runtime**

# Vendor Onboarding – Set up Step-by-Step

## 2 Options:

### SAP Build Process Automation

1. Configure Process Automation Destination
2. Configure OAuth2ClientCreditials SAP Build Process Automation Destination

### SAP Workflow Management

1. Configure Workflow Email Destination
2. Configure Business Rules Destination
3. Configure OAuth2ClientCredentials Business Rules Destination
4. Configure OAuth2ClientCredentials Workflow Destination

### Further tasks

- Configure SAP ERP Destination
- Configure SAP Cloud Connector
- Configure IDoc Scenario in ERP
- Import, configure and deploy Integration content
- Adapt If needed

# Vendor Onboarding – Live Process Artifacts

## Process

- set of business activities and tasks
- Vendor Onboarding package contains the process template:
  - **Vendor Onboarding – Create and onboard a new vendor in SAP ERP with a multi-level approval process.**
- six process steps for easy no-code/low-code process configuration

## Process visibility

- Process Owners and Process Operators
- real time visibility on processes & KPIs

## Process variants

- consists of multiple process steps
- create multiple variants of the same process
  - General Purpose Vendor
  - Accounting Vendor
  - Purchasing Vendor
  - Centrally Available Vendor

## Decisions & Policies

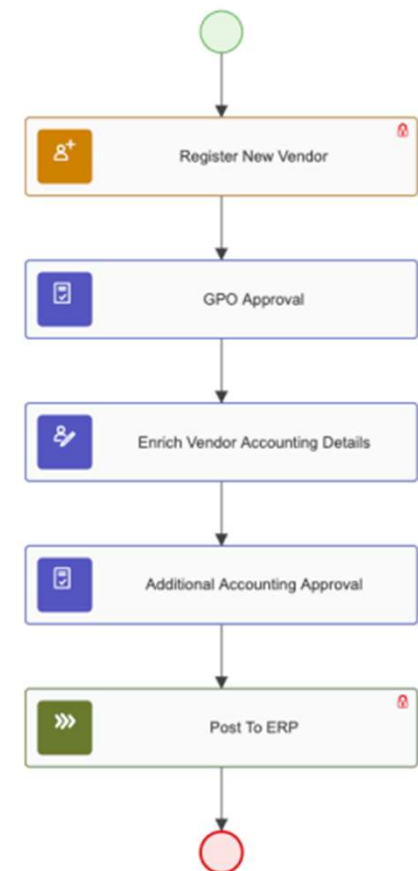
- encapsulate the business logic (reuseable)
- adopt changes without changing the workflow or application logic
- Examples:
  - Determine process variant
  - Perform business validation
  - Determine approval task due date
  - Determine approvers



# Vendor Onboarding – Configuration Step-by-Step

## Vendor Onboarding Configuration

1. Create a new Process Variant by entering a name and save and activate.
2. The Process Variant has a default implementation with five steps to create Accounting Vendor
3. Configure Step for Register New Vendor process step – “Role Name”
4. Configure Step for Enrich Vendor Details process step – “Vendor Creation Mode” as Purchasing and appropriate “Role Name”
5. Configure Step for Additional Approval process step - it is possible to add Additional Approval steps to a process variant
6. Save and Activate the variant. A successful activation will create a new workflow definition in the account that can be viewed in the Monitor Workflows – Workflow Definition app in SAP Fiori Launchpad.
7. Update the Determine Approver Policy and make sure the Role Name used in the variant will resolve to an approver from the rule.
8. Update the Determine Process Variant Policy and include the newly created workflow definition ID to the rule.

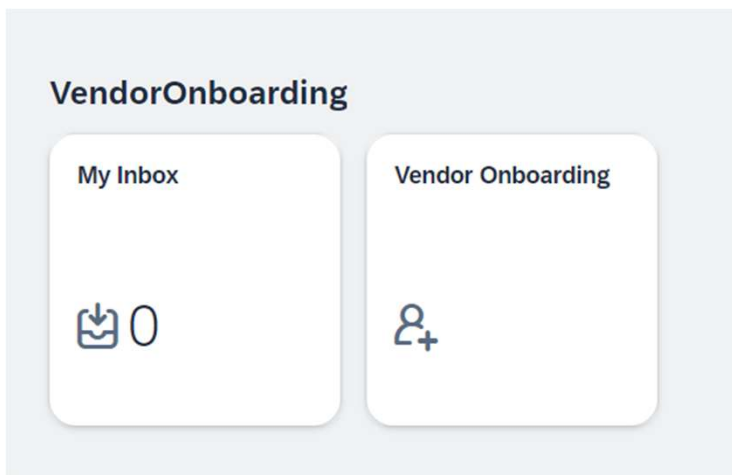


# DEMO

Vendor Onboarding

# Vendor Onboarding – DEMO

Start Vendor Onboarding App



# Vendor Onboarding – DEMO

Submit vendor request


Vendor Onboarding

[Requester Details](#) [Vendor Details](#)

General	Contact
Request ID: * 1696349981	Number: * +43112345
Name: * Max Mustermann	Email: * max.m@tesla.com
Employee ID: * 007	
Request Date & Time: * 10/3/23, 6:19 PM	

General	Contact
Name: * Max Mustermann	Number: * +43112345
Vendor Creation Mode: * General	Email: * max.m@tesla.com
Account Group: * 0012	Confirm Email: * max.m@tesla.com

 **Success**

Vendor creation request 1696349981 submitted.

[OK](#)

# Questions?

For questions after this session, contact us at

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**Thank you.**