

DEV163

Build a Workflow from Scratch with SAP Workflow Management

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PUBLIC



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Agenda

SAP Extension Suite

- Introduction

SAP Workflow Management

- Introduction

Workflow, Business Rules and Process Visibility

- Feature Overview

Workshop Exercises

- Overview

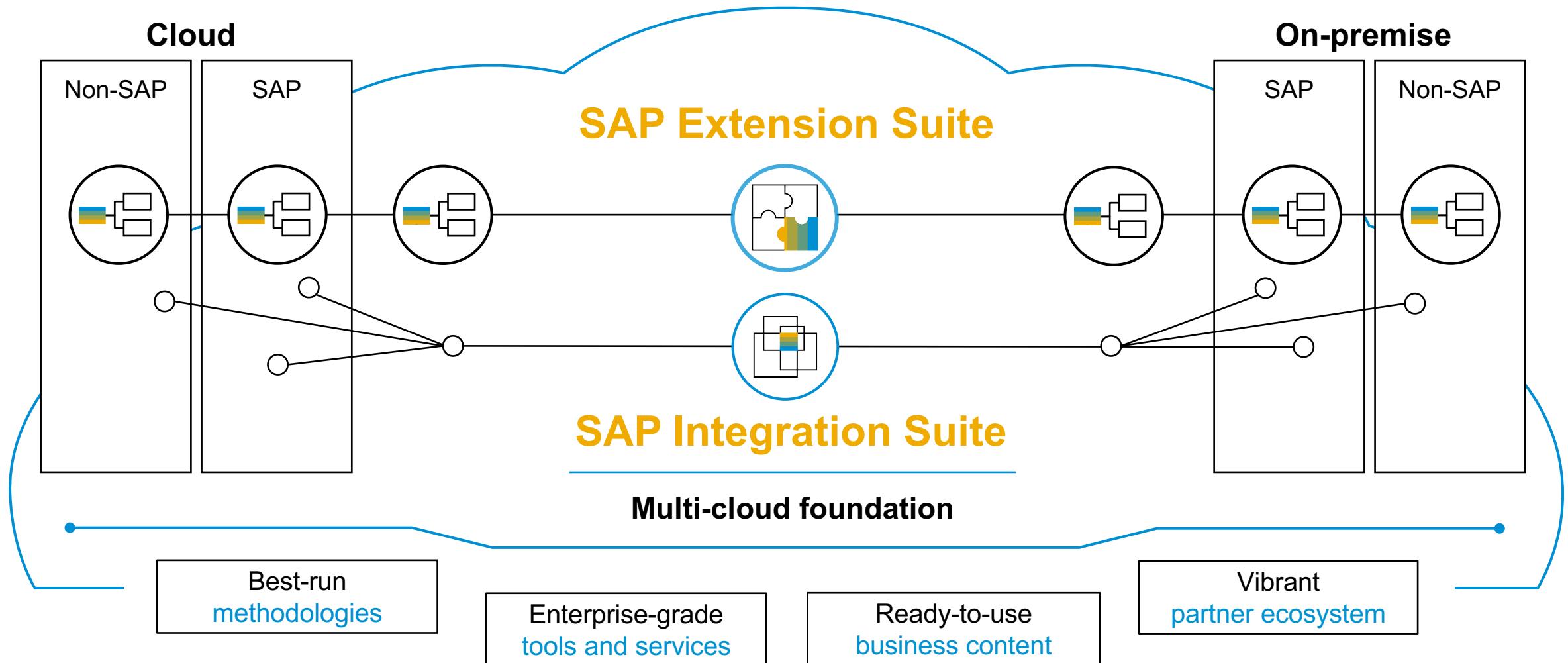
Summary

SAP Extension Suite



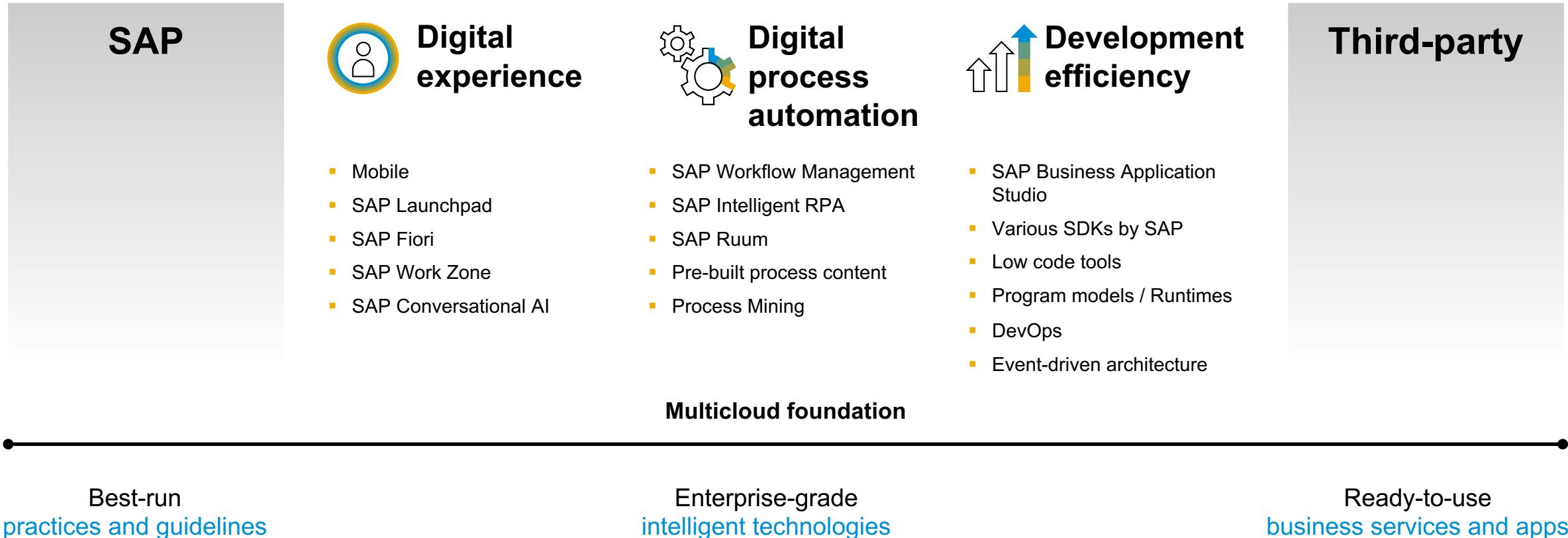
SAP Business Technology Platform – Elevate your enterprise experience

Accelerate integrations. Simplify extensions. Expand business value.



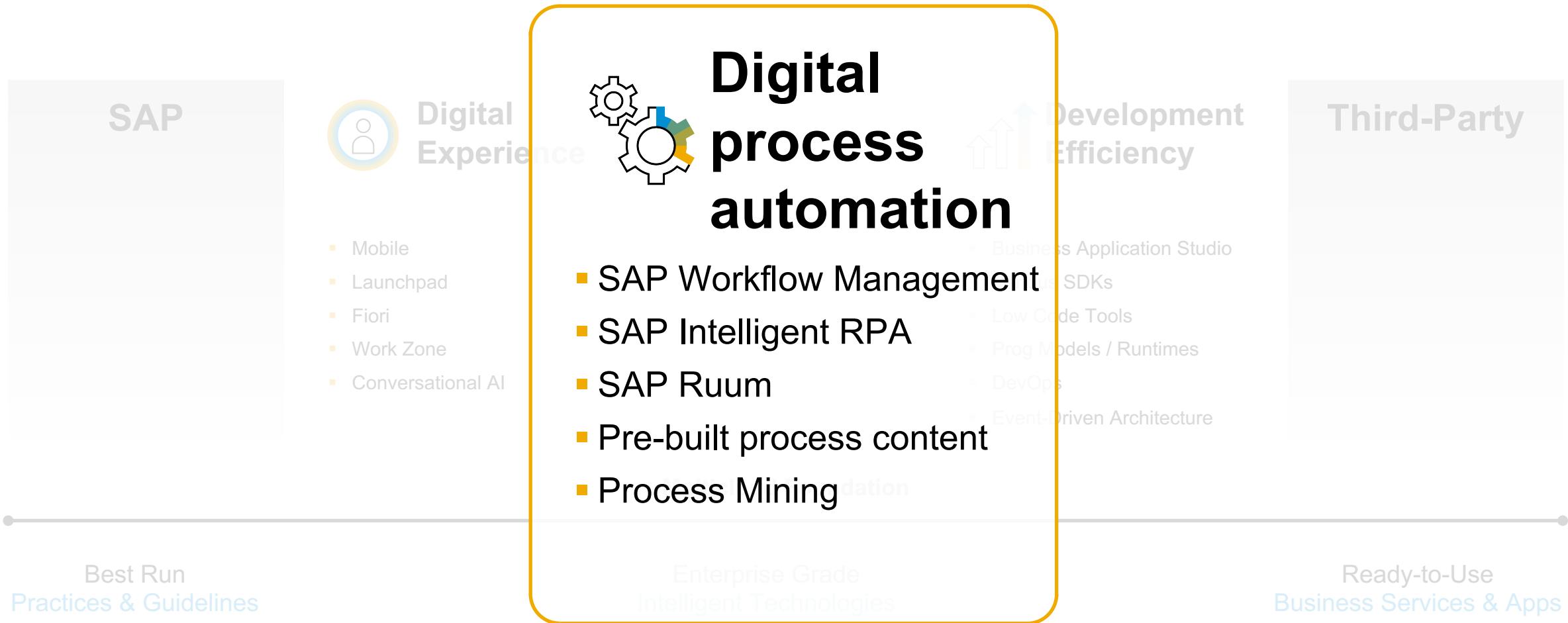
Digital process automation in SAP Extension Suite

From insights to action, from pro-code to no-code



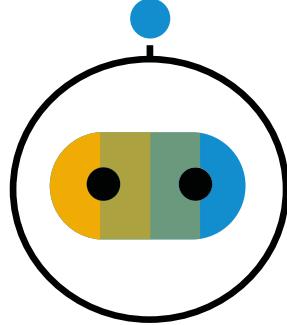
Digital process automation in SAP Extension Suite

From insights to action, from pro-code to no-code



Combine SAP Workflow Management, SAP Intelligent RPA, and SAP Ruum

Enter the era of hyperautomation



SAP Workflow Management

Create fully automated workflows
for corporate processes

SAP Intelligent Robotic Process Automation

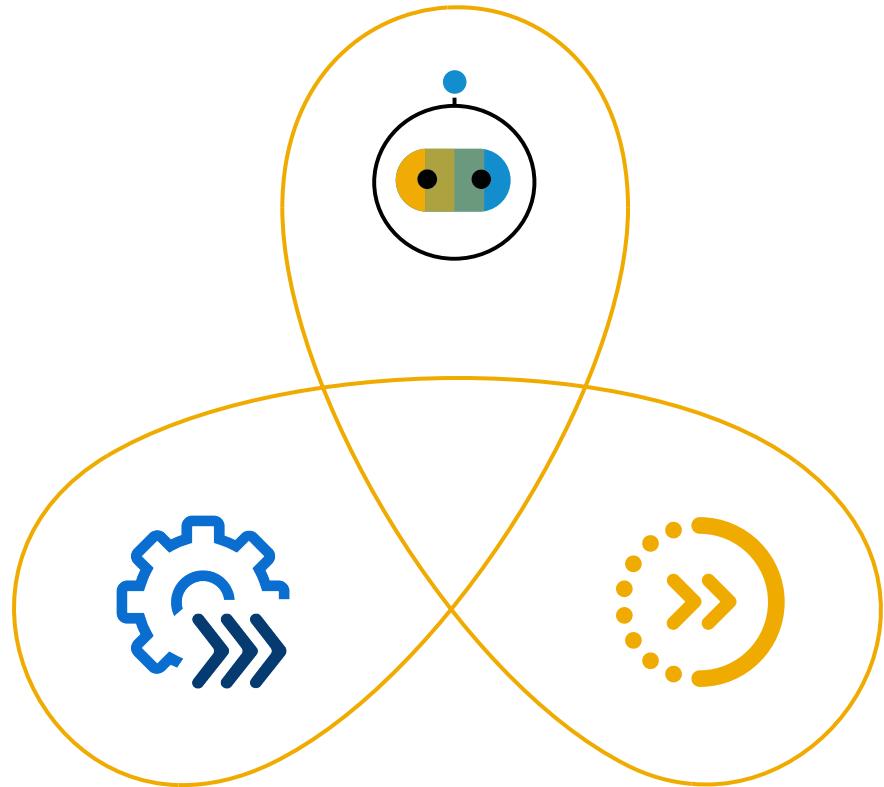
Automate tasks and replace
repetitive tasks with digital workers

SAP Ruum

Manage your collaborative
processes and accelerate your
teams' work

Our combined solutions

drive Business Process Improvement



Our combined solutions enable you to improve the flow of work within your line of business, in collaboration with experts, and by fully leveraging existing processes and data across applications.

SAP Workflow Management



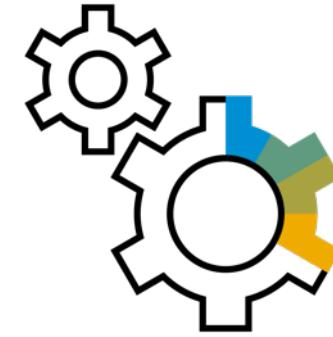
Digital process automation

Automate, enhance, and adapt business processes beyond standard solutions

Tailor digital workflows to your business needs and leverage AI-enabled bots to **automate repetitive and manual tasks**

Use predefined, live process content packages for greater **flexibility and customization of your business processes** supported by SAP software

Proactively manage process performance and exceptions with **real-time dashboards**, and identify improvements with **process mining**



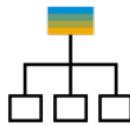
Increase process **efficiency, flexibility, and quality**

SAP Extension Suite – Digital Process Automation



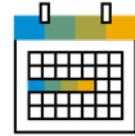
A cloud service offering to digitize workflows, automate business processes, manage decision logic and gain end-to-end process visibility

SAP Workflow Management



Workflow

Workflow (Low/No-Code)
Manage Process Variants



Decisions

Business Rules
Manage Decisions



Process Visibility

Process Visibility
Live Process
Dashboards



Inbox

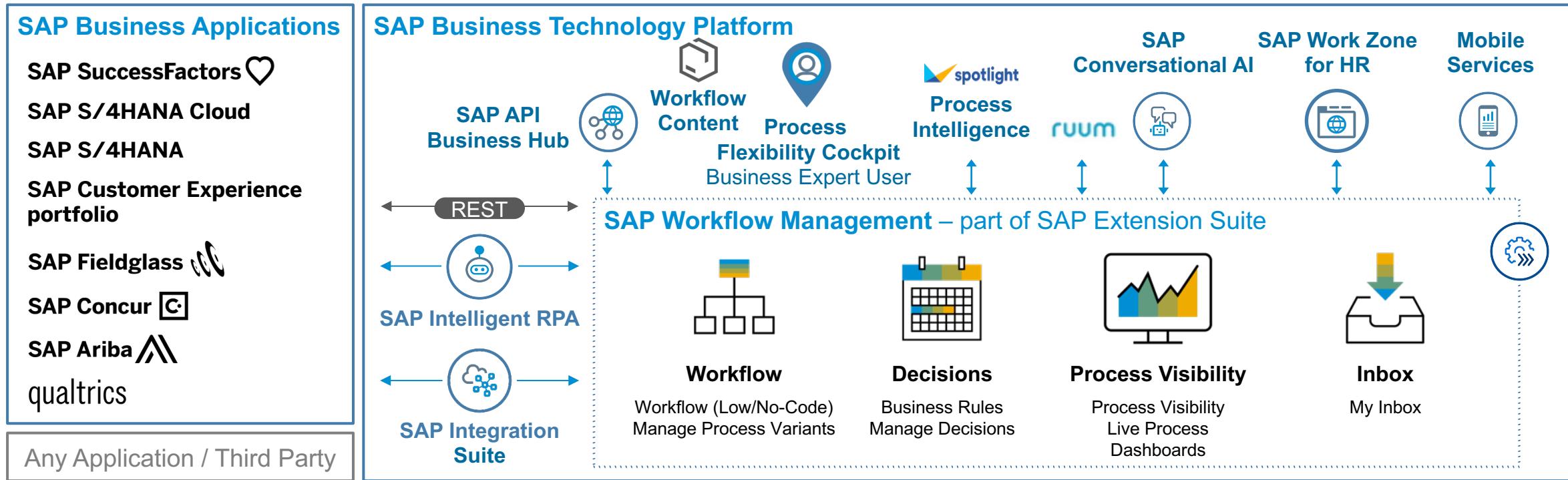
My Inbox



Tightly Integrated with:

SAP Intelligent RPA
SAP Conversational AI

Big picture in the SAP landscape: SAP Workflow Management



Do more with less



Empower employees through process automation, freeing up their time to do more meaningful work

Ensure compliance



Comply with policies and regulations via clear responsibilities and audit trails



Flexibly adapt to new requirements

Tailor business processes to business needs, support new business model innovations, and fix broken processes for business resilience

Workflow | Feature Overview



Quickly orchestrate tasks that span across people, applications, and organizations

Capabilities



Automation

Automate & digitize processes across SAP and non-SAP system, in cloud and on-premise



Traceability

Enhance productivity with coordinated and accountable tasks, while providing consumer-grade user experience



Agility

Empower business users to rapidly adapt workflows and business rules with web-based tooling

Outcomes



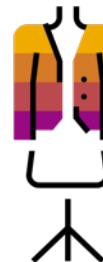
Do more with less

Empower employees through process automation, freeing up their time to do more meaningful work



Ensure compliance

Comply with policies and regulations via clear responsibilities and audit trails

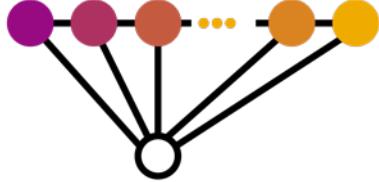


Flexibly adapt to new requirements

Tailor business processes to the business needs and support new business model innovations

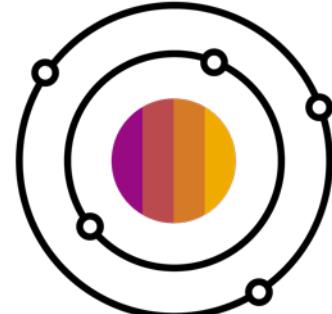
Workflow Usage Types

Orchestration



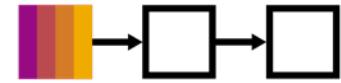
- End-to-end processes spanning across different applications or services
- Example
 - Source-to-Pay
 - Purchasing & Invoicing
 - B2B across multiple trading partners
 - Cloud Integration Automation Service

Embedded



- Part of business applications or services
- Implement core functionality
- Example
 - SAP S/4HANA Intelligent Product Design, part of the application for supplier collaboration and case management

Extension

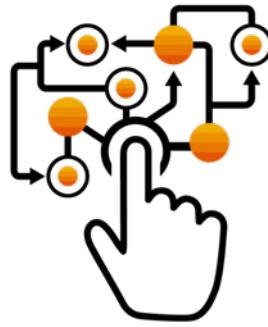


- Enhance or alter the business process provided by the SaaS application
- Example
 - Extend standard process with additional steps
 - Replace standard process with custom-built variant
 - Integrate the process with a custom-built or 3rd-party solution

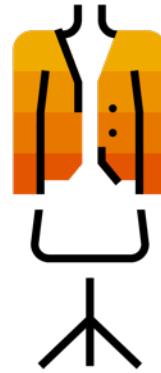
Quickly orchestrate tasks that span across people, applications and organizations



Enhance productivity with coordinated and accountable tasks

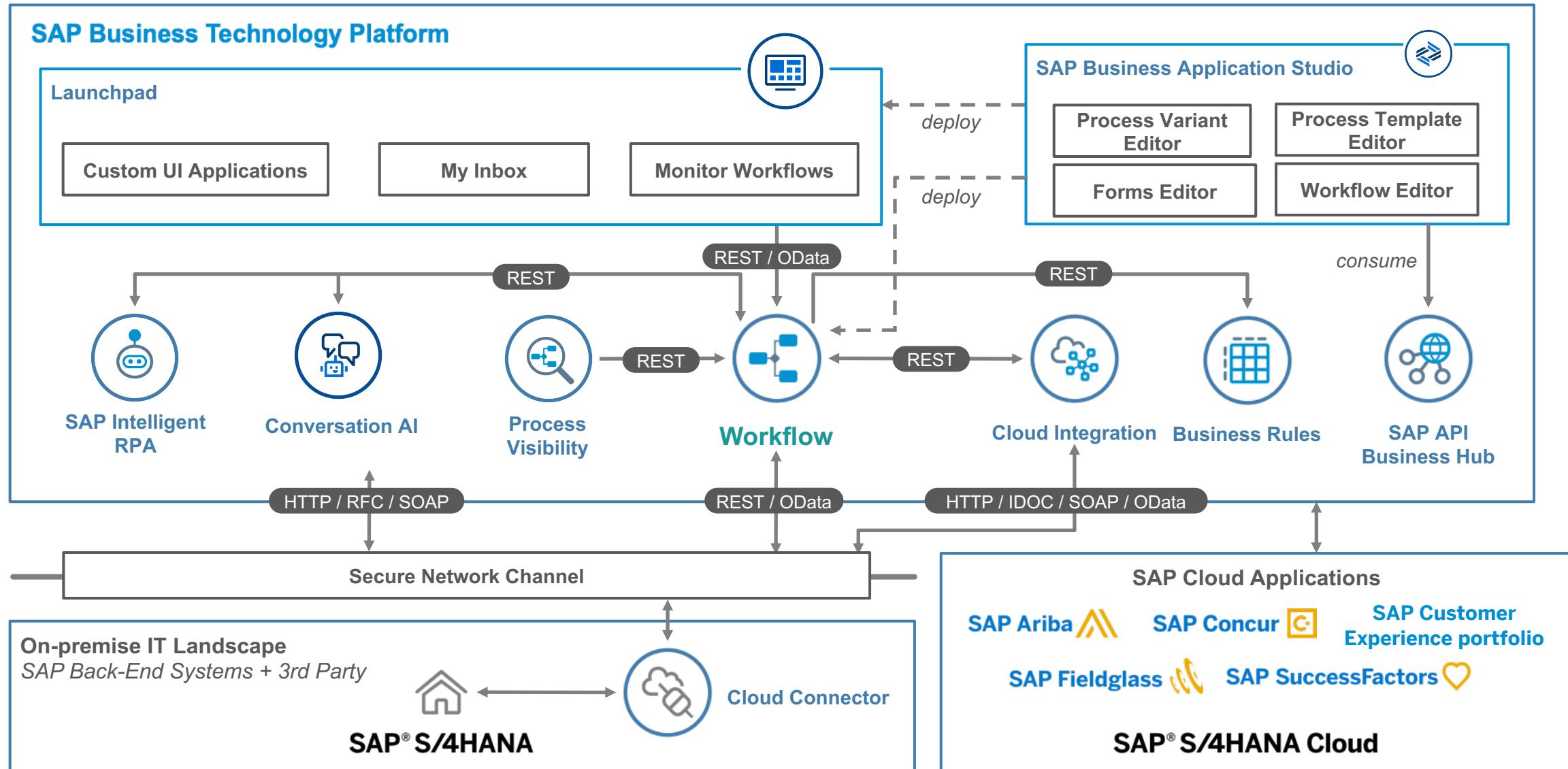


Rapidly build and modify workflow applications with web-based tooling



Tailor your business processes by extending cloud applications and workflows

Workflow – the bigger picture



Business Rules | Feature Overview



Simplify management of decision logic across SAP Solutions

Capabilities



Agility

Encapsulate business logic from application logic and make business changes without the need to redevelop the application.



Reuse

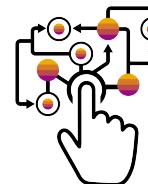
Consistent and flexible decision management with *reuse* of business rules across different business processes



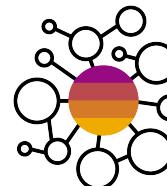
Transparency

Reduce manual intervention and dependency on the IT expert to apply changes to business logic across applications

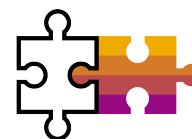
Outcomes



Automate decision logic with web-based tool and common lifecycle management approach with central repository and governance

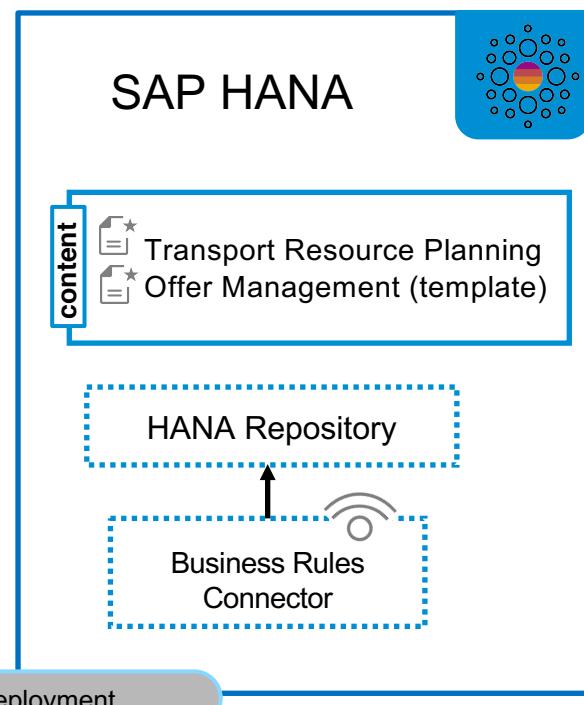
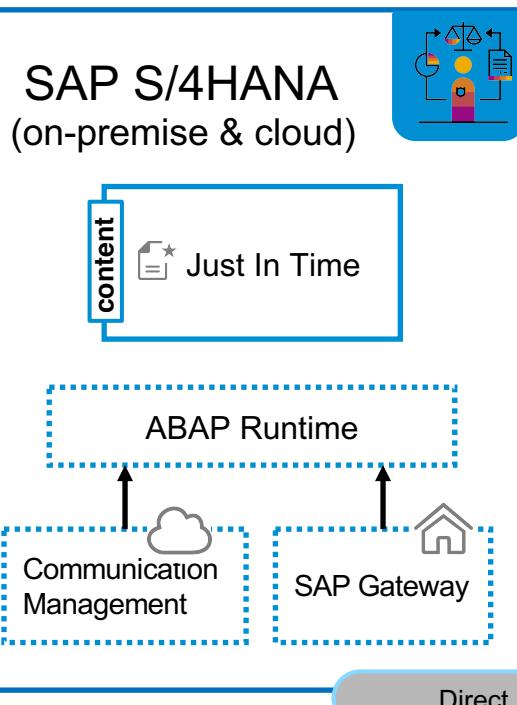


Enterprise rule model and central decision management to manage rules centrally across different platforms generating low operation and maintenance cost

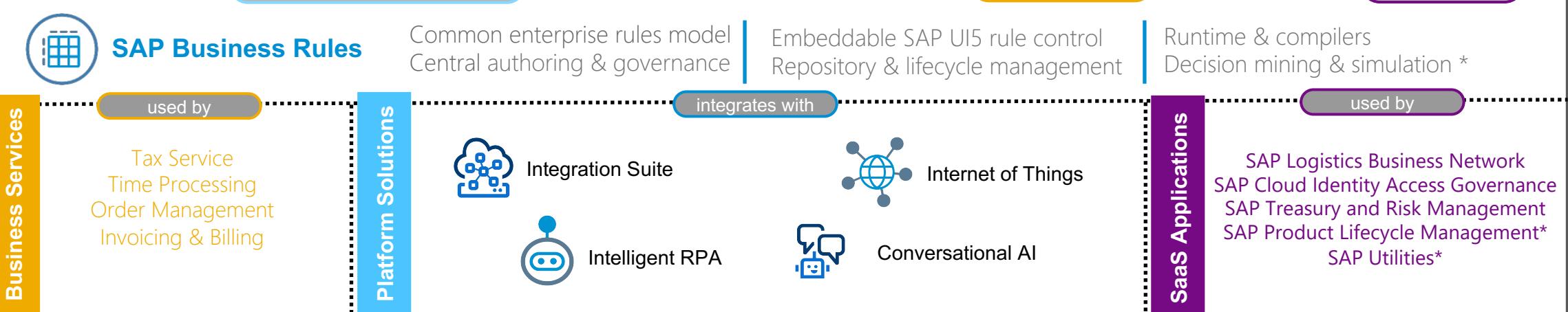


Open APIs to integrate and extend business logic with processes across various SAP and non-SAP applications

Customer Managed



SAP Business Technology Platform



Amazon Web Services

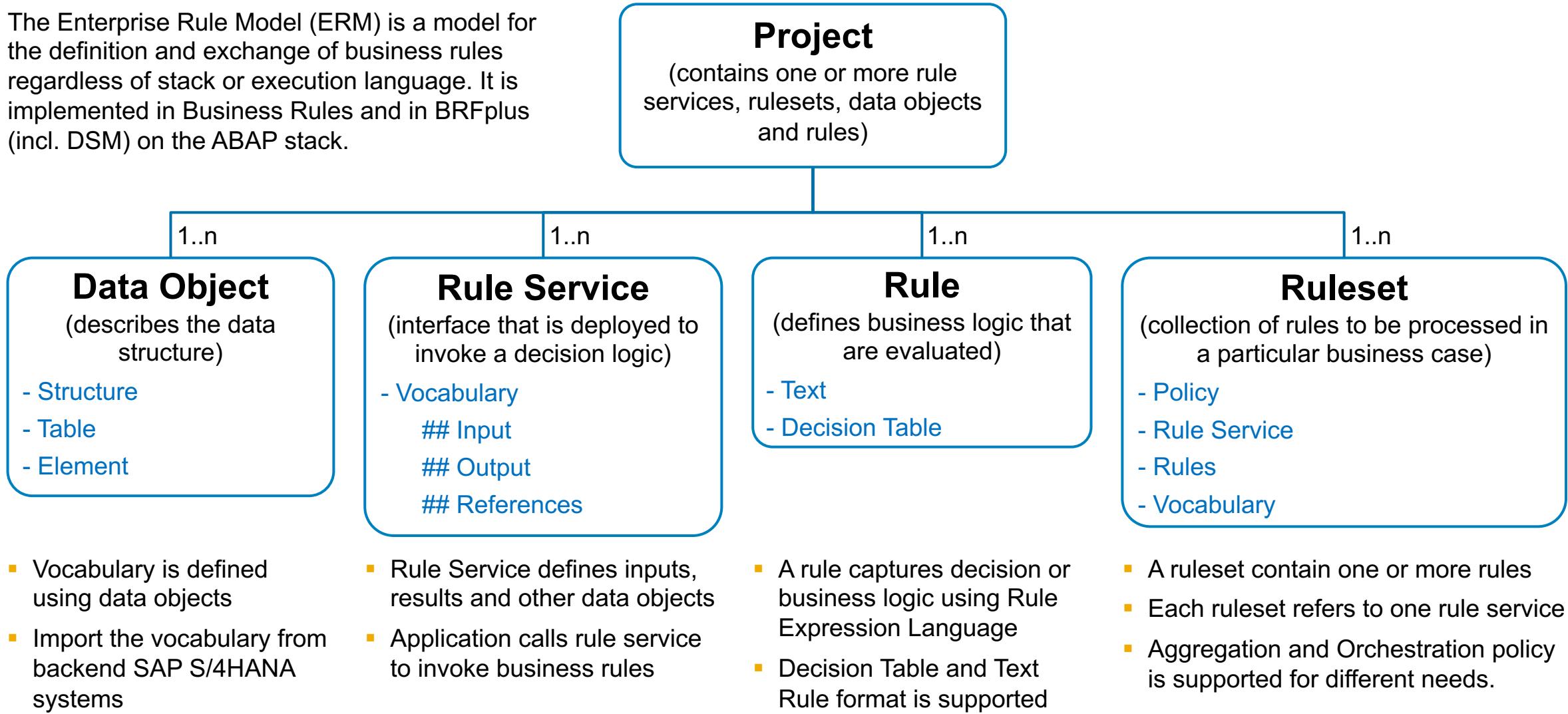
Microsoft Azure

Alibaba Cloud

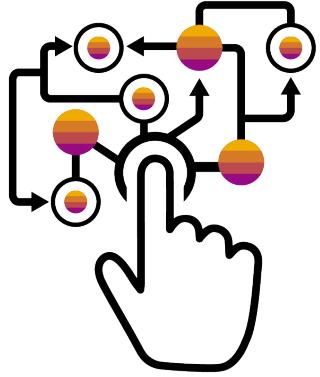
Google Cloud *

Enterprise Rule Model – overview

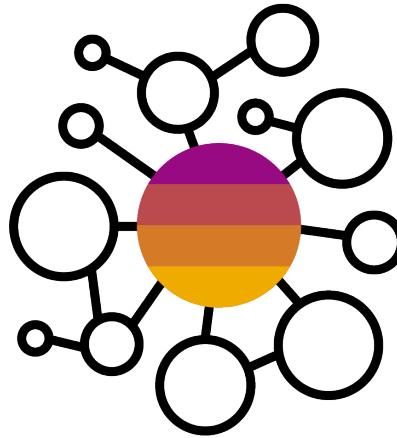
The Enterprise Rule Model (ERM) is a model for the definition and exchange of business rules regardless of stack or execution language. It is implemented in Business Rules and in BRFplus (incl. DSM) on the ABAP stack.



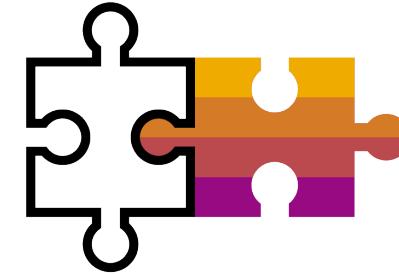
Enabling decision management across Intelligent Enterprise



Empower users to automate
and manage business logic
independently from
application development

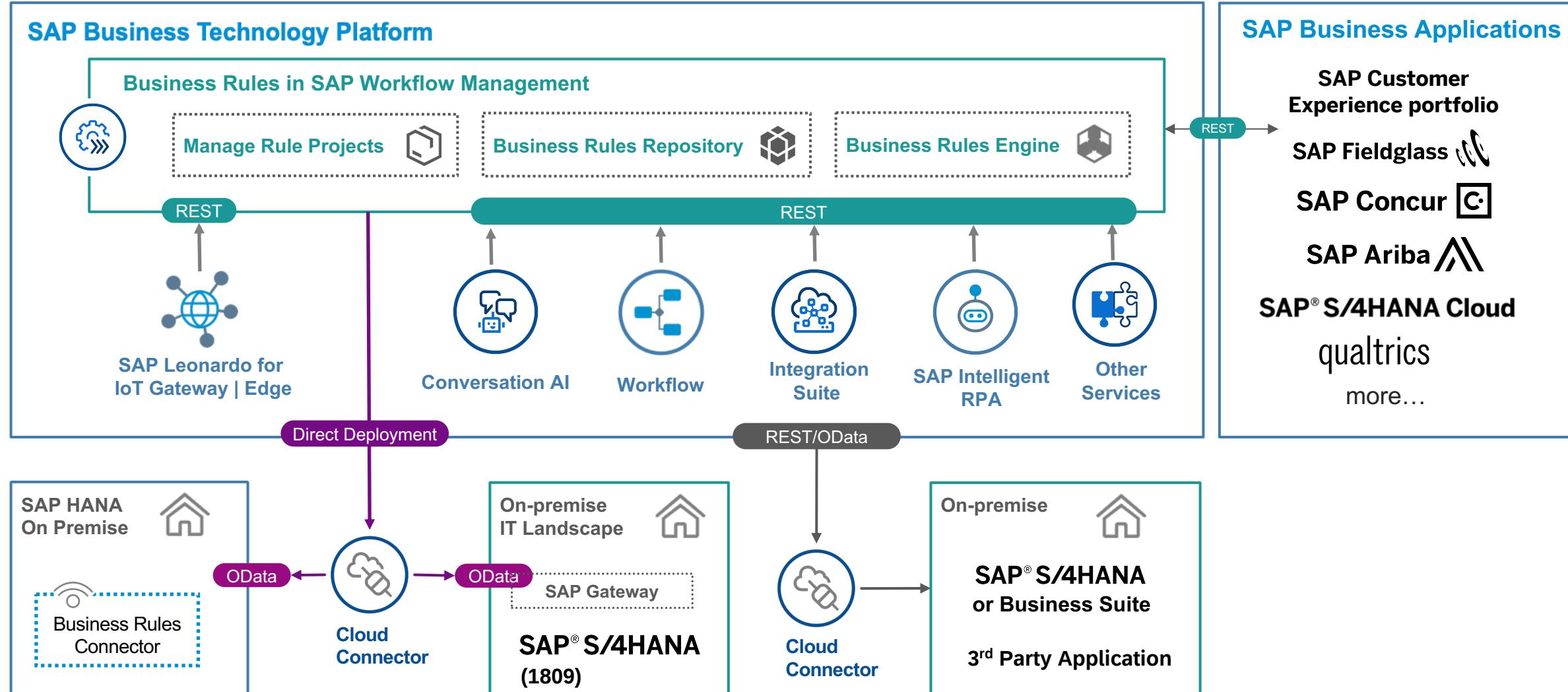


Centrally build and manage
decision logic across
different solutions and
landscapes



Rapidly build and extend
decision logic for SAP and
non-SAP applications with
managed APIs

SAP Business Rules – the bigger picture

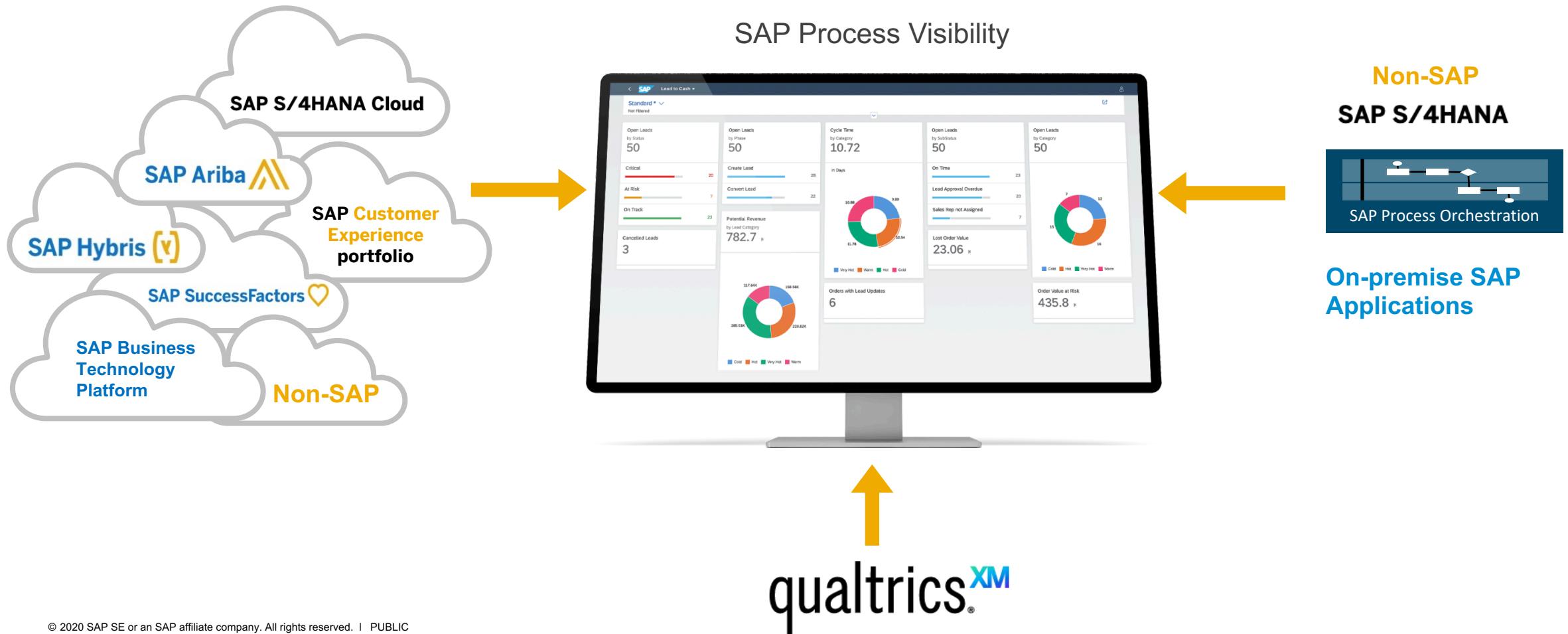


Process Visibility | Feature Overview



Process Visibility

End-to-end visibility into processes in cloud, on-premise & in hybrid environments



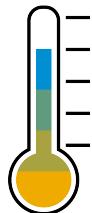
Process Visibility

Capabilities



Correlate end-to-end process

Streamline end-to-end processes and avoid local optimization on parts of the process



Classify Process Status

Depict urgency and enable insight to action



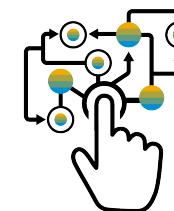
Configure Process Workspace

Create & Organize process performance indicators to understand current & past process performance



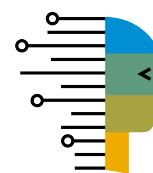
Identify Process Bottlenecks

Transform your process



Perform Actions

Address issues for an immediate impact



* Predict Process Issues

Address issues before they cause business impact

Process Visibility

Usage Scenarios



Out-of-box visibility on workflow from Workflow service and S/4HANA Business Workflow

Instant time to value – create & activate scenario by importing workflows from SAP Workflow service and SAP Business Workflow from SAP S/4HANA

Available



Visibility on processes from SAP Cloud Applications

Medium time to value – subscribe to events from SAP Applications, create, configure & activate scenario

Available – SAP SuccessFactors, SAP Qualtrics, SAP S/4HANA

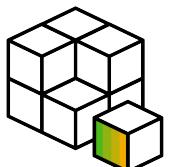
Others - Planned



Visibility on a Custom Scenario

High time to value – push events in a prescribed format, create, configure & activate scenario

Available

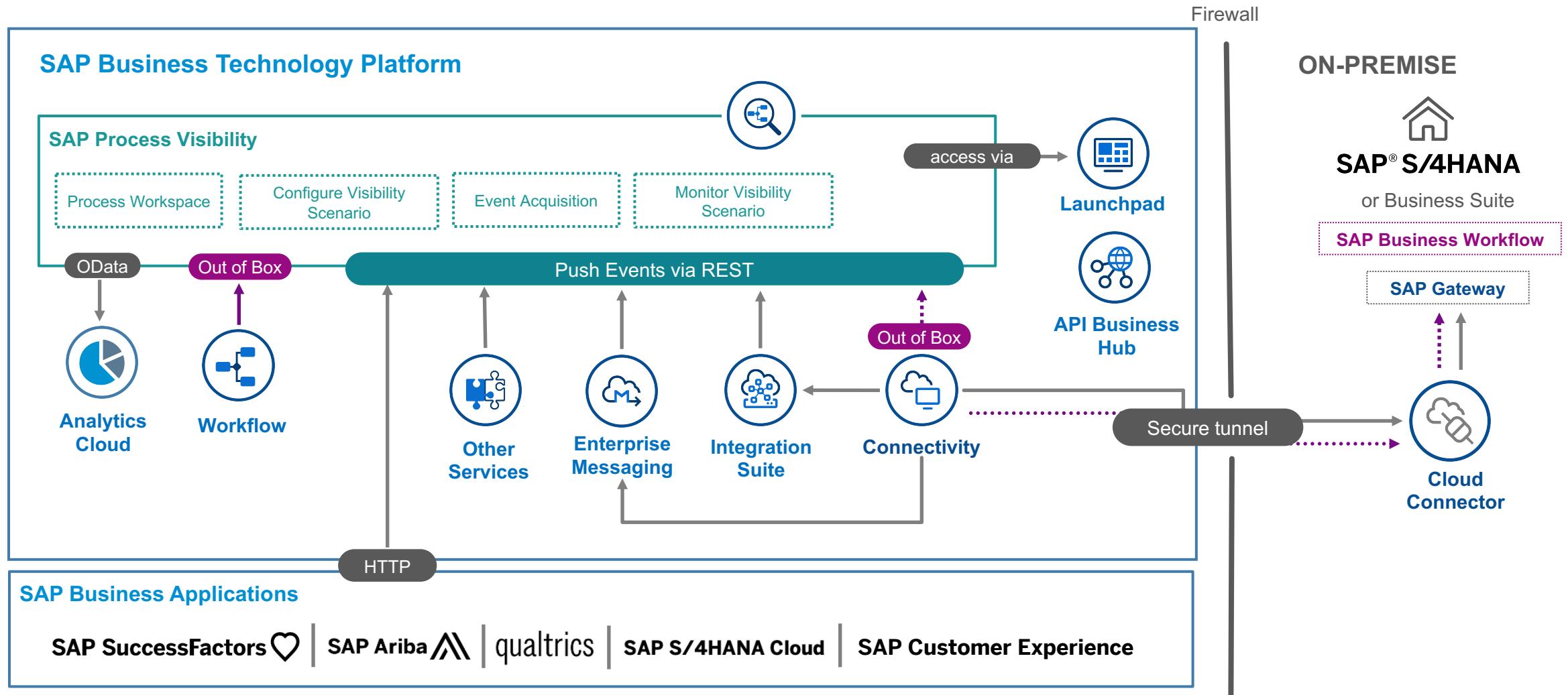


Visibility on SAP Application with Pre-delivered Scenarios

Low time to value – import, configure & activate scenario

Planned

Process Visibility – the bigger picture



Workshop Exercises|

Overview

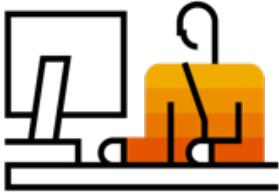


Prerequisite | Setup



15 min

- Run Workflow Management Booster
- Configure Destination
- Import and Activate Sample



Exercise 2 | Business Rules



60 min

- Create, Configure & Activate Rule Models
- Define Value Help in Data Object
- Import & Export Business Rules to Microsoft Excel
- Deploy to SAP Cloud Platform
- Test business rules from API Business Hub

Exercise 1 | Workflow



90 min

- Model Workflow Using SAP Business Application Studio
- Build and Deploy Workflow
- Execute and Monitor Workflow

Exercise 3 | Process Visibility



60 min

- Create Business Scenario
- Configure Context
- Configure Phases, Attributes & Performance Indicator
- Monitor Business Scenario
- Access Process Workspace to track



Demo

Capital Expenditure Approval Process

More information



Related SAP TechEd sessions

- DEV206 - Improve Business Process Experiences with Live Process Content Packages [Lecture]
 - DEV207 - Digital Process Automation with SAP Cloud Platform Workflow Management [Lecture]
 - DEV213 - Integrate Experiences into Your Workflows [Breakout]
 - DEV803 - Road Map: SAP Cloud Platform Workflow Management Service
 - **DEV264 – Build Extensions Using Workflows, Business Rules, and Programming Model [Workshop]**
 - DEV116 - Build a Digital Assistant for Your Business Processes [Breakout]
 - DEV925 - Expert Q&A on Extension Suite – Digital Process Automation [Expert Q&A]
 - INT101 - Blockchain for Cross-Company Workflow Orchestration
-

Public SAP Web sites

- SAP Community: <https://community.sap.com/topics/digital-process-automation>
- SAP products: <https://www.sap.com/products/cloud-platform/capabilities/enterprise-extensions.html>
- [Infographics](#) | [Roadmap](#) | [Discovery Center](#)

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Thanks for attending this session.

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