Workflow with SAP Cloud Platform (SCP)

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Agenda

Intelligent Enterprise & Intelligent Business Process Management

Overview & Business Benefits

Feature Overview

Workflow Editor

Demo

Summary
Intelligent Enterprise &
Intelligent Business Process Management
The Intelligent Enterprise

SAP Intelligent Suite

Intelligent Technologies
AI, ML, IoT, Analytics

Digital Core

People Engagement

Network & Spend Management

Data Management

Cloud Platform

Customer Experience

Manufacturing & Supply Chain
The Business Platform for the Intelligent Enterprise

Integrate
SAP CLOUD PLATFORM
Intelligent Enterprise
Integrate
ML/AI
Digital Experience
Live processes
Innovate
Extend
Data Mgmt

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Overview & Business Benefits
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 provides 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
Feature Overview
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
Enhance productivity with coordinated and accountable tasks

Automate and track tasks such as approvals, order fulfillment, or time-sensitive partner collaboration
- Execute workflow instances of certain definition
- Reduce manual work and accelerate your processes

Impress users with simple, consumer-grade user interfaces using SAP Fiori
- Use ‘My Inbox’ as central access to all tasks
- Get relevant information provided with needed level of detail
- Take necessary actions and get in control

Improve processes and track running workflows
- Access list of deployed & running workflow definitions
- Work on workflow errors

Visibility on workflows with SAP Cloud Platform Process Visibility
- Instant time to value – create scenario by importing workflow & activate scenario
Rapidly build & modify workflow applications with web-based tooling

Model workflows in SAP Web IDE Full-Stack using industry-standard Business Process Model and Notation (BPMN 2.0)
- Model user, mail & service tasks for different kind of activities
- Model events & gateways to control the flow
- Use script tasks to change data and implement light-weight business logic
- Create Form or generate SAP UI5 based Task UI
- Directly deploy workflow to runtime

Embed workflows into your custom-built applications using RESTful APIs
- Embed workflows in your applications

Connect to other applications via service tasks
- Orchestrate across SAP and non-SAP applications
- Use SAP Cloud Platform Integration as endpoint for full integration options

Integrate business rules for flexible and agile decision management via SAP Cloud Platform Business Rules
- Externalize decisions from process model
- Start workflow based on conditions
Tailor your business processes by extending cloud applications and workflows

Create process extensions for S/4HANA (Cloud)
- Develop a custom marketing campaign approval process
- Adapt procurement processes
- Tailor manufacturing change management process

Model customized extension workflows for SAP line-of-business applications such as SAP C/4HANA, SAP SuccessFactors, Concur, or SAP Ariba
- Handle more complex workflow requirements
- Enhance the way how to handle manage return requests in SAP C/4HANA

Extend non-SAP cloud applications or create new cloud-based applications
- Invent new applications with workflow or task management capabilities
- Design IoT scenarios for insight-to-action, like triggering service requests based on sensor data
Workflow Editor
Design your workflows
Workflow Editor

Web based BPMN editor within SAP Web IDE to design workflows

Key features

- Define business key as nontechnical unique identifier of a workflow instance
- Model gateways & events
- Model user, service & mail tasks
- Use script tasks to modify data and implement light-weight business logic
- Rapid modeling using speed buttons
- Error highlighting
- Directly deploy workflow to runtime
- Use Sample Applications to experience the workflow service
Workflow Editor: Overview

BPMN2 shapes palette

BPMN2 compliant

Properties
Workflow Forms UI
SAP Fiori

- **Header**
  - e.g. Subject

- **Field**
  - e.g. Report Name (String)

- **Section**
  - e.g. General Travel Information

- **Subsection**
  - e.g. Expense Allocation of Expenses

- **Decision**
  - e.g. Approve
Workflow Forms Editor
SAP Web IDE Full-Stack

Part of the workflow workspace

Define required fields & decisions

Define properties
Monitor workflows

SAP Fiori application to manage workflow definitions and instances

Key features

- **Start** workflow instances
- **Download workflow models** (JSON format)
- **Retry** execution of failed steps
- **Suspend, resume & terminate** workflow instances
- List of running, erroneous, suspended, cancelled or completed workflow instances (**apply needed filter**) or filter based on definitions
- **Search** workflow instances
- Investigate **error messages** of workflow instance
- Access the workflow context (required role: WorkflowContextViewer)
- Follow the **execution log**
- **Show tasks** related to a workflow instance
My Inbox

Manage tasks across different devices from different source systems

Key features
- Provided via standard Fiori Launchpad content
- Show list of assigned tasks
- Search for individual tasks
- Filter, sort or group the tasks
- Open task details
- Claim tasks
- Take action on tasks
- Inspect Workflow Log
Demo Introduction – **Extending employee onboarding process**

### Demo Personas

- **Kate Beckett – New Employee**
- **Lorin Clarke – HR Business Partner**
- **Kevin Hart – Buddy**
- **John Edrich – Manager**
Summary
SAP Cloud Platform Workflow
Build and extend workflows

Orchestrate and extend workflows with SAP Cloud Platform Workflow
- Rapidly build and modify workflow applications with web-based tooling
- Create and adapt value-adding processes in your company
- Increase efficiency and transparency
- Users can manage their workflow tasks using the My Inbox Fiori application
Start your journey to SAP Cloud Platform Workflow today

Just start here, **explore** SAP Cloud Platform Workflow & **try it out in the trial landscape**

**Learning Journey**

**Tutorial Mission: Integration with Workflows in the Cloud**
More Information

- SAP Cloud Platform Workflow – Product Page
- Solution Brief
- SAP Help
- SAP Cloud Platform Workflow API
- SAP Cloud Platform Roadmap
- SAP Cloud Platform regions

- Blogs on SAP Community
- Follow us on Twitter (@sapcp #workflow)

- Solution Video on YouTube
- Product Expert Video on YouTube
- SAP partner itelligence: Managing SAP Language Services with SAP Cloud Platform Workflow
- What's new in SAP Cloud Platform Workflow - October 2018
- SAP Cloud Platform Podcast – Episode 44: What’s happening with SAP Cloud Platform Workflow with Christian Loos and Stephan Schluchter
- SAP Cloud Platform Podcast – Episode 27: Interview with CPO Christian Loos

- SAP Cloud Platform Academy: Automate employee onboarding with workflow
- Learning Journey: SAP Cloud Platform Workflow
- openSAP course:
  - SAP Cloud Platform Essentials (Update Q3/2017) (week 6)
  - Simplify Integration with SAP Cloud Platform Integration Suite (2019):
    - Orchestrate Processes using Workflow and Business Rules (week 2, unit 1)
    - Automate employee onboarding processes using workflow (week 3, unit 4)
- Tutorials: Get started (available in trial landscape)
- Learning Map for Technology Consultants: Early Knowledge Transfer (EKT)

- Blueprints:
  - Automating Employee Onboarding Processes
  - Automate the Business Partner Creation Process Using SAP Cloud Platform Workflow and Business Rules
  - Automate the Document Review Process with SAP Cloud Platform Workflow and SAP Jam Collaboration

- Sample Applications (delivered via SAP Web IDE):
  - Employee Onboarding Extension Workflow
  - Collaborative Approval Workflow Using SAP Jam

- SAP API Business Hub content:
  - Audit Document Review Process

- SAP Cloud Platform Receipes
Thank you.

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