

Make rapid, transformative impact a reality

with SAP Business AI and SAP Business Technology Platform

Jochen Schneider Head of SAP BTP AI

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# **Agenda**

- Al First, Suite First for SAP Business Al
- BTP AI Roadmap
- Deep Dive into self-optimizing software engineering
- Deep Dive into AI Agents
- **■** The Future of Al



### Unlock value for your Business

# Everywhere

**ERP** and finance

Supply chain

Customer experience

Procurement

Human resources

IT and cross-function

with SAP Business Al

## You are at the center of what we do

Each challenge is unique, yet you all demand more intelligent and connected technology solutions to succeed



# Make your organization run better

Key areas where you can benefit from Business AI



#### **Enhance & Improve**

your business processes significantly across functions for a competitive advantage

### **Support Individuals**

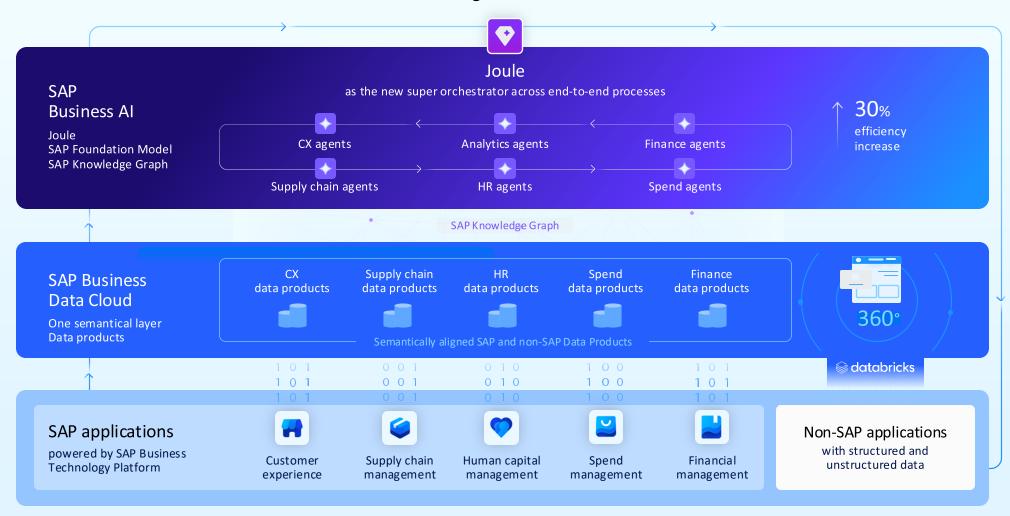
by providing tools that help work more efficiently and improve the quality of their work

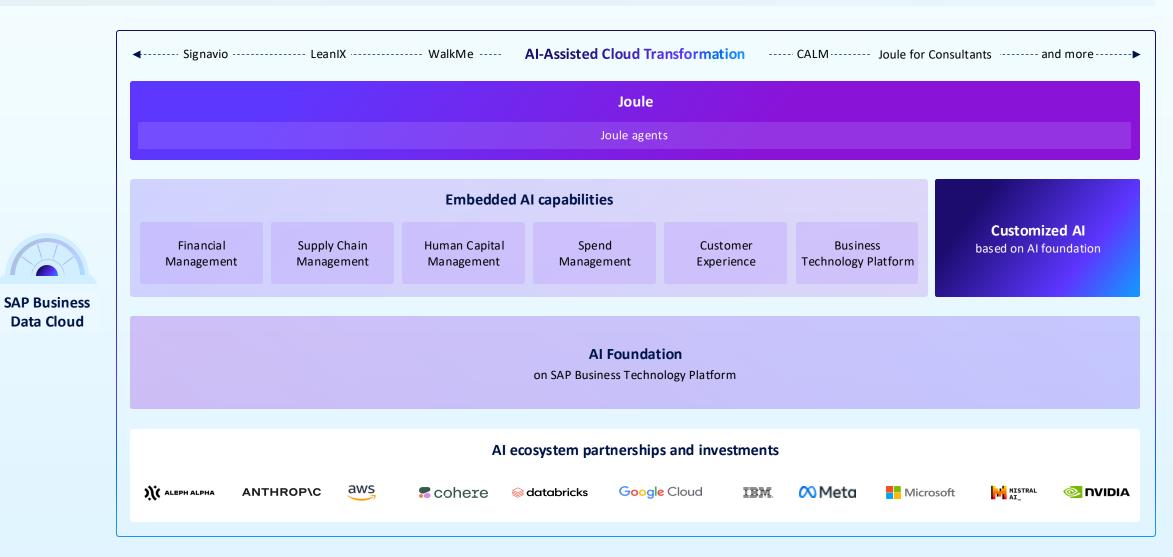
### Manage & Execute

process and user enhancements with powerful technology platforms as the foundation

### Al first and Suite first

SAP delivers market making innovation with SAP Business Suite

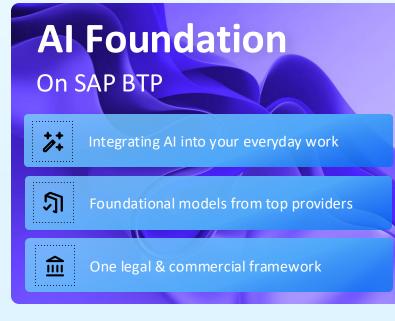


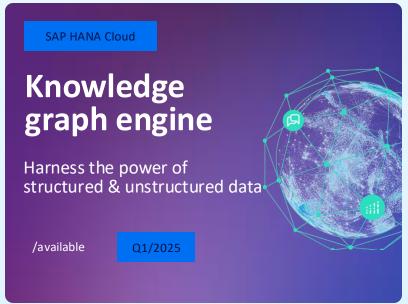


**Data Cloud** 











# Self optimizing software engineering



# **GenAl Starter Kit**

# How can we be more efficient building Gen Al Apps?

### Vision

- Simple and time efficient way to kickstart yourGen AI development
- Automated provisioning of necessary infrastructure components

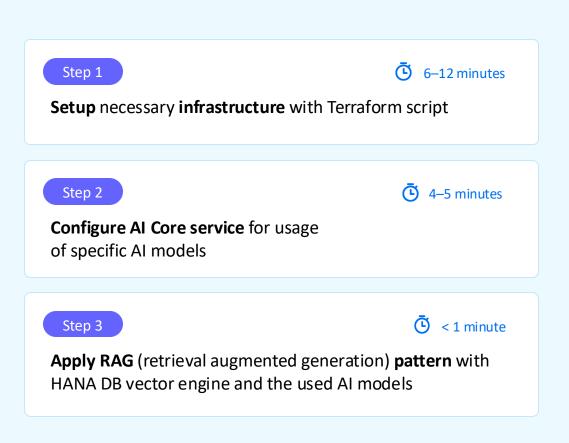
### **Business value**

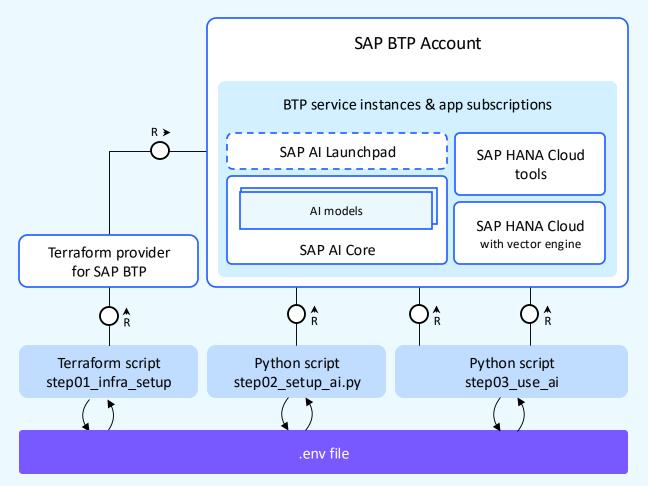
- Fast and automated provisioning of GenAl Infrastructure on BTP
- Accelerated development of common enterprise RAG application on SAP BTP Stack
- Enterprise grade foundation for compliant and scalable GenAI initiatives



## How can we be more efficient building Gen Al Apps?

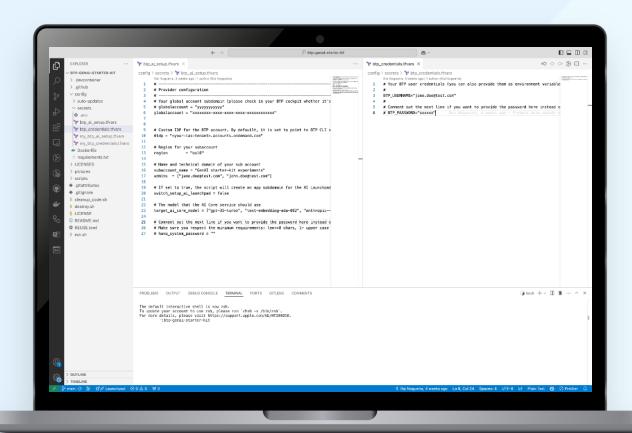
Three step approach to kickstart GenAI app development on BTP with ready-to-use code

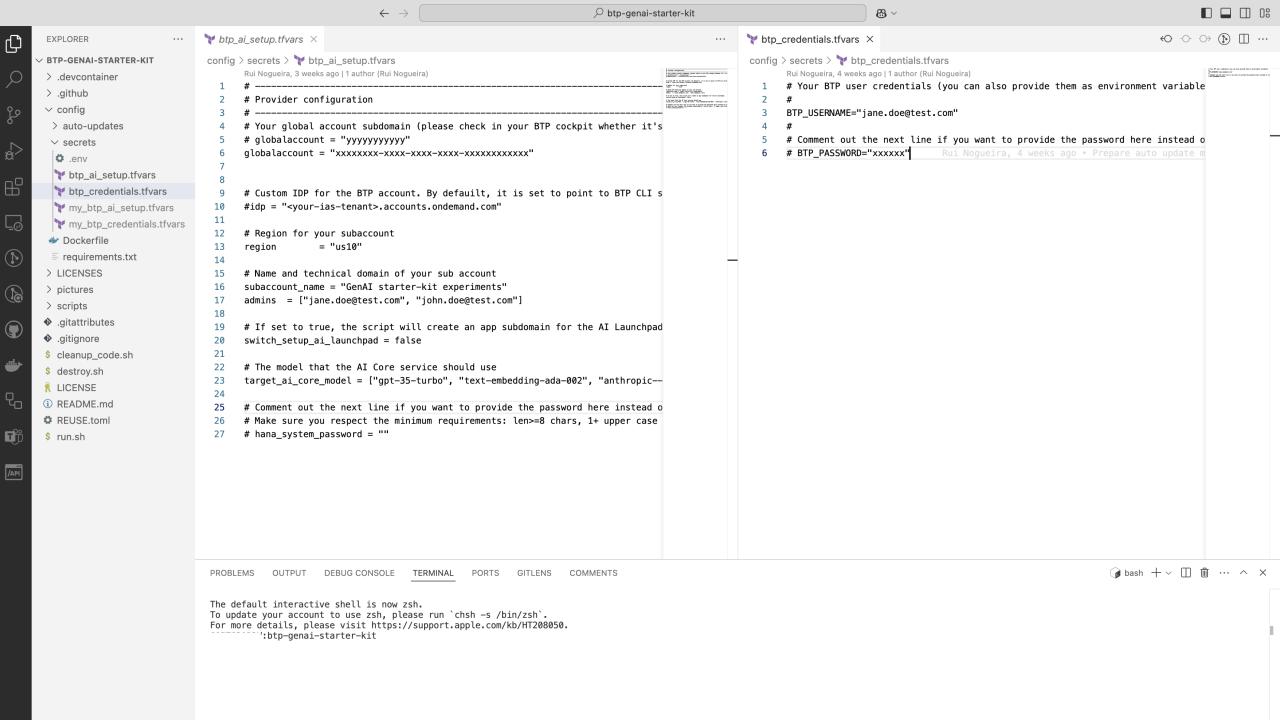


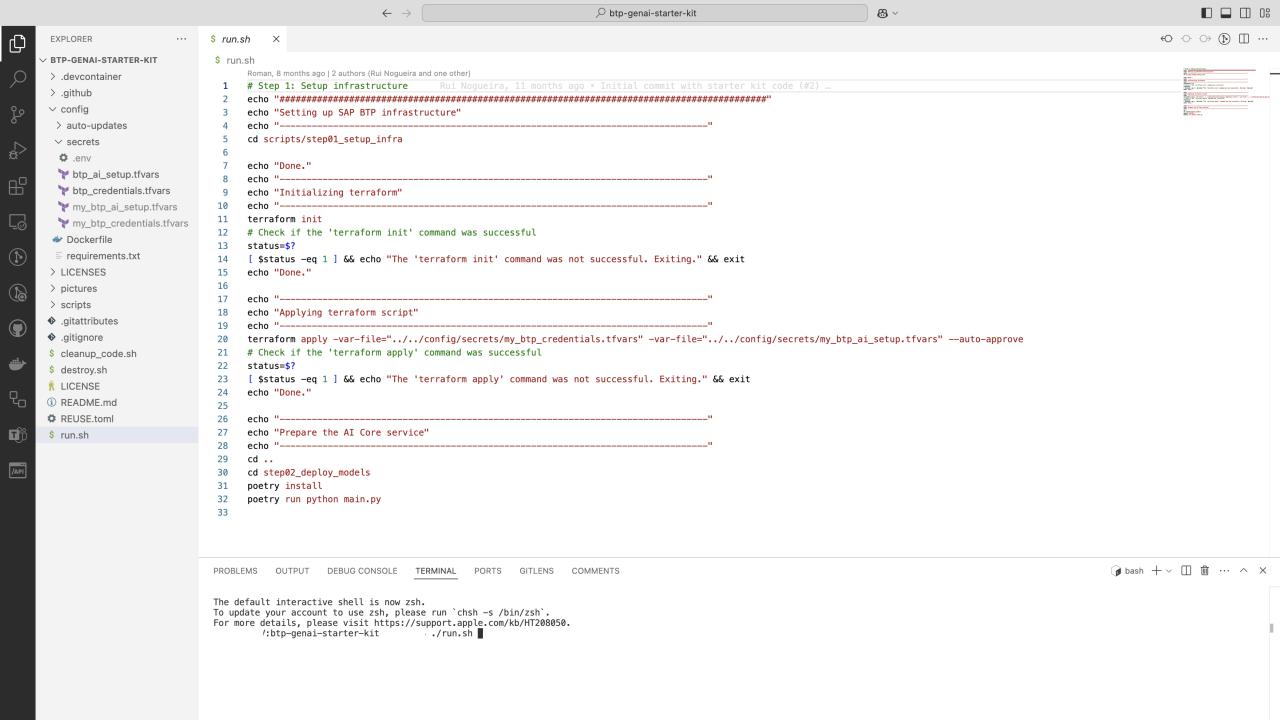


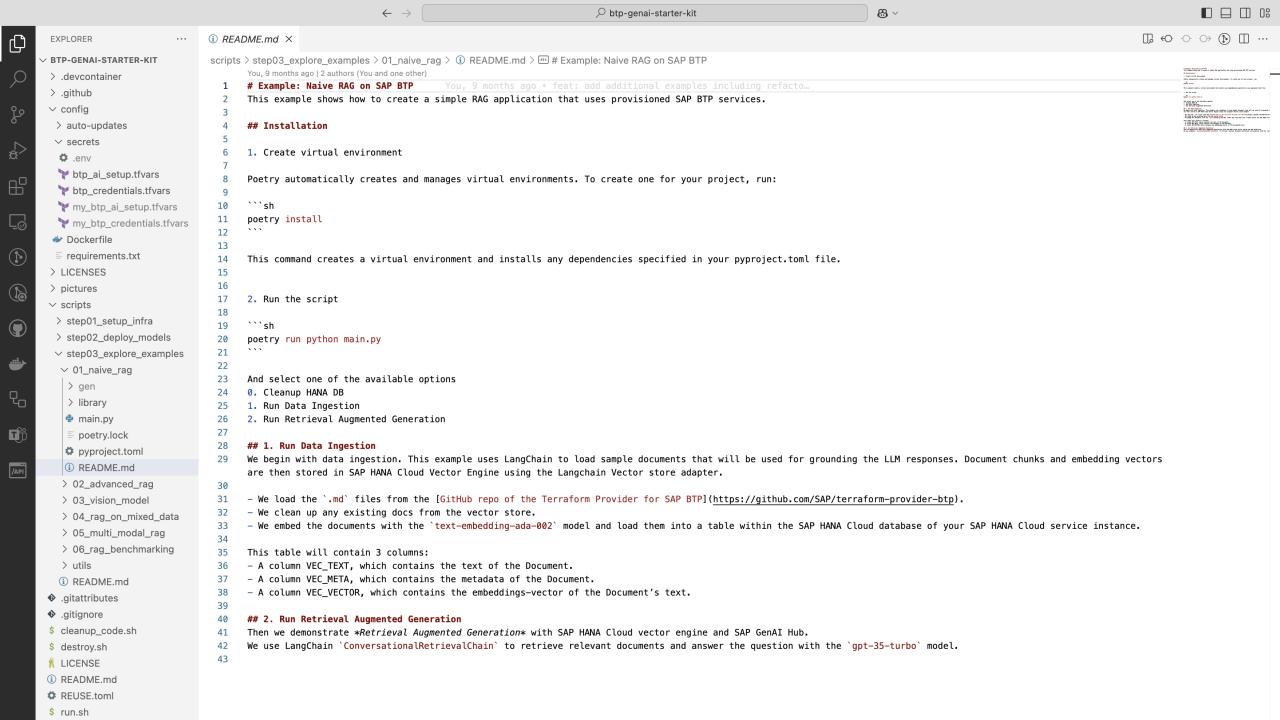


# How it works GenAl Starter Kit





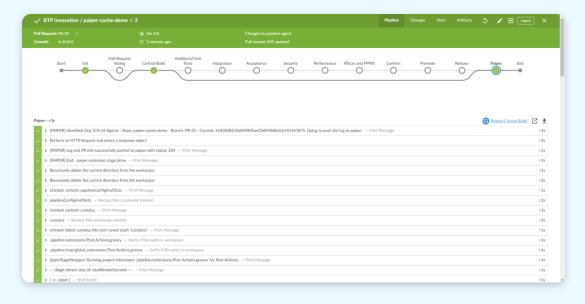




# **Pipeline Agent**

# **Pipeline Agent**

### When it works:



### And when it doesn't:

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[2025-02-10T14:59:46.960Z] info npmExecuteScripts - srv/src/socket
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        [2025-02-10T14:59:47.222Z] info npmExecuteScripts - Summary of all failing tests
        [2025-02-10T14:59:47.222Z] info npmExecuteScripts - FAIL tests/integration/tools/document-search.test.ts
        [2025-02-10T14:59:47.222Z] info npmExecuteScripts -
                                                            • Document Search Tool > should use document vector tool in chat with
        [2025-02-10T14:59:47.222Z] info npmExecuteScripts -
193469 [2025-02-10T14:59:47.222Z] info npmExecuteScripts -
                                                              expect(received).toEqual(expected) // deep equality
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### **Pipeline Agent**

Project Agent Builder – AI Agents for DevOps is an example Multi-agent system that implements Investigation agent and Fixing agent to troubleshoot pipeline issues and propose automatic resolution for detected issues.

### Vision

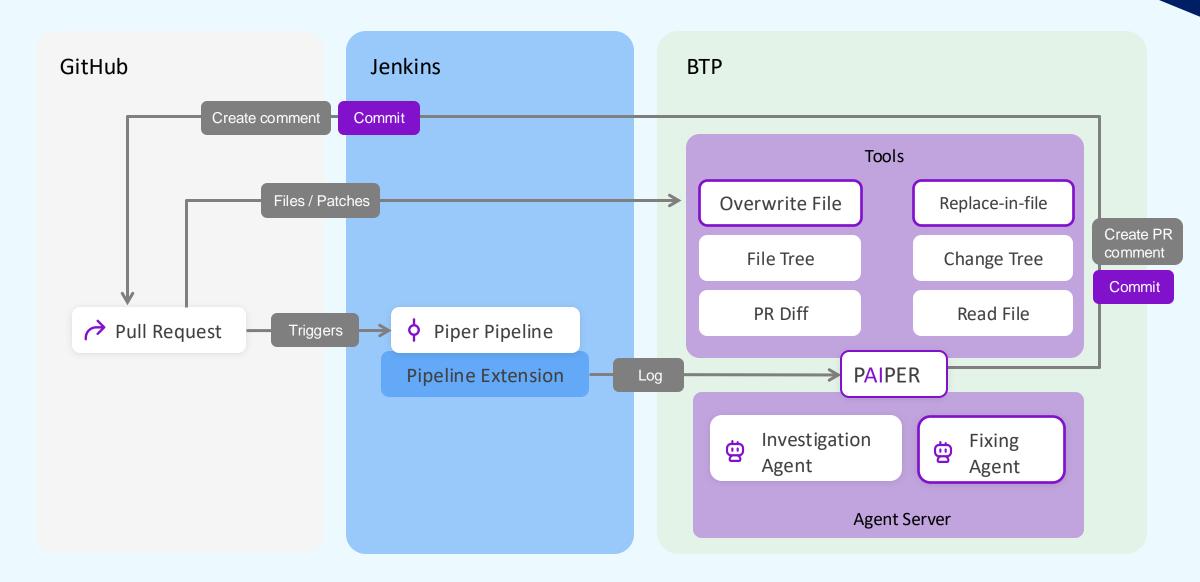
- Multiagent system as a DevOps expert
- Automated resolution of issues
- Applicable to SAP, Partners, Customers

### **Benefits**

- Simplify DevOps
- Increase DORA metric
- Free up dev capacity



## Pipeline Agent - PAIPER

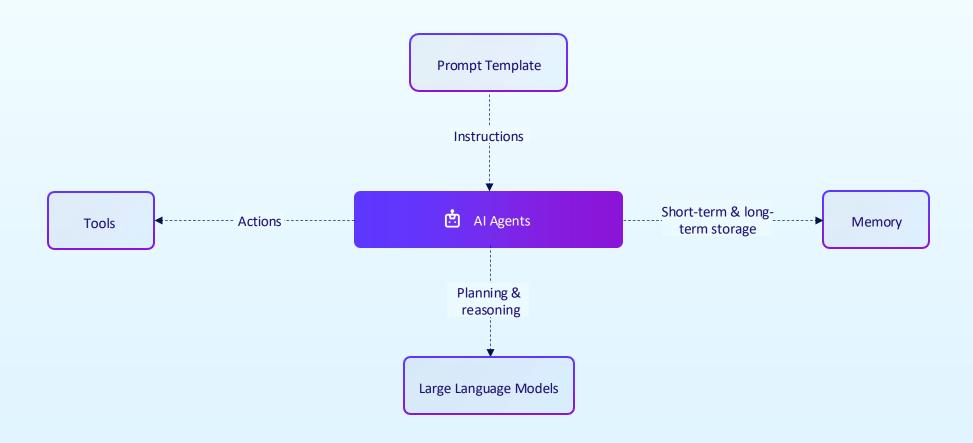


# How Al Agents are revolutionizing Enterprise Automation



# What makes up an Al Agent?

Conceptual building blocks and how they fit together



# Al Agents The Self-Driving Vehicle of Business Automation



### **Key Capabilities**

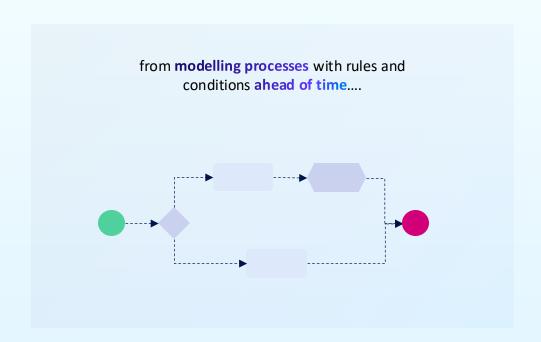


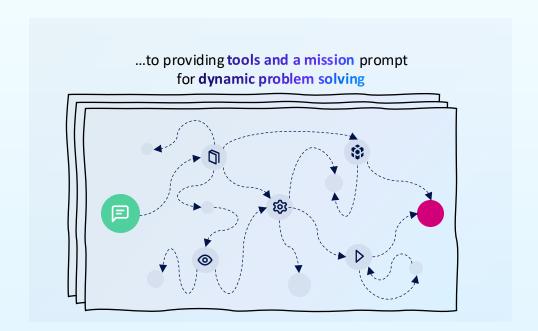
### **Business Value**



## **Al Agents for Business**

Al Agents are the next evolutionary step towards automation in business contexts





The goal is to **deliver the majority of agents**, i.e., mission prompts and tool definitions, as **content** and execute them **on a managed runtime** which is automatically **integrated with Joule** to quickly scale the number of agents across the SAP portfolio.

# **Joule Agents**





getting work done from start to finish

# The most capable Al agents for your business



# Uniquely equipped to solve bigger problems

Joule agents understand your end-to-end processes, allowing them to act with breadth across your business

### **SAP Knowledge Graph**

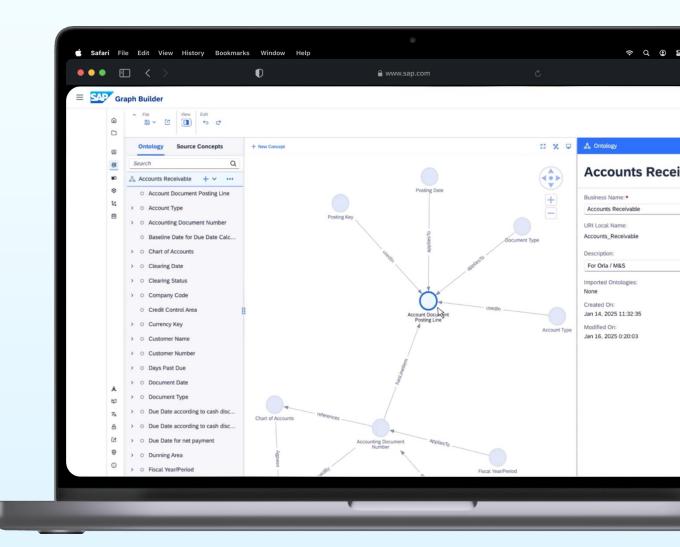
encodes SAP's 50+ years of processes expertise.

### **Provides deep business context**

to identify the relevant processes and data.

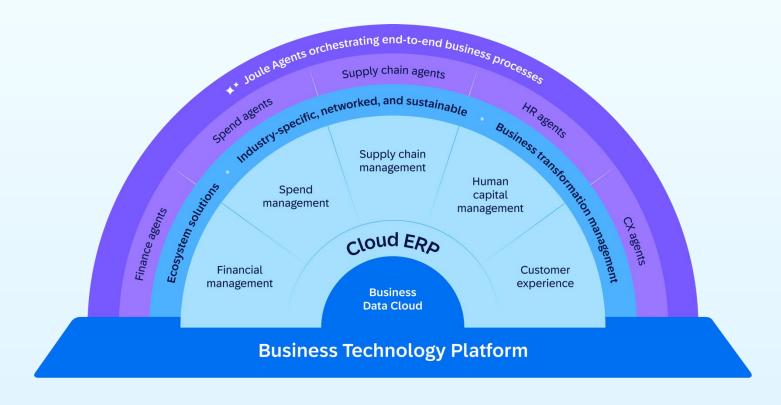
### To solve bigger problems

that span business functions.



## Power to act across every corner of your business

Joule provides one seamless AI integration layer across SAP and third-party applications

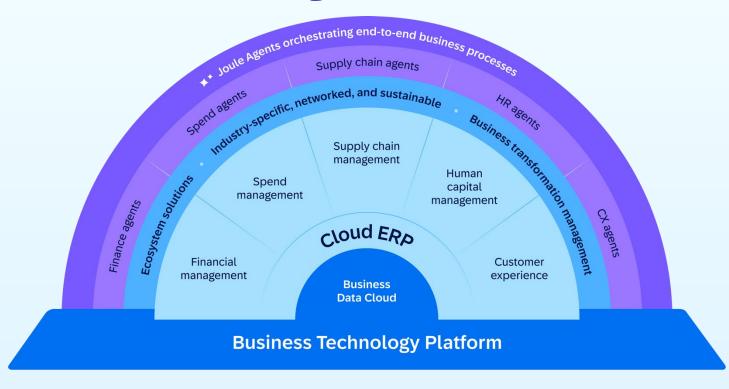


**SAP Business Suite** powers mission-critical end-to-end processes.

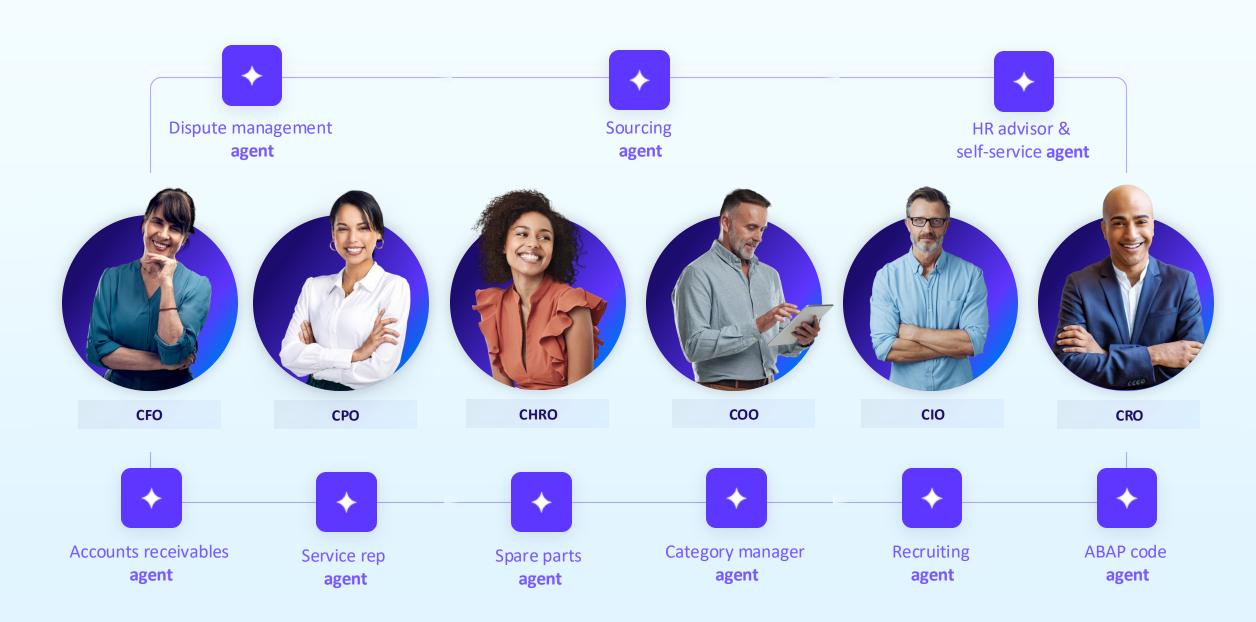
+1,300 prebuilt Joule skills to perform tasks in every core business application. To complete high-impact work involving multi-step cross-functional workflows.

## Unlock value for your Business

# Everywhere



with SAP Business Al

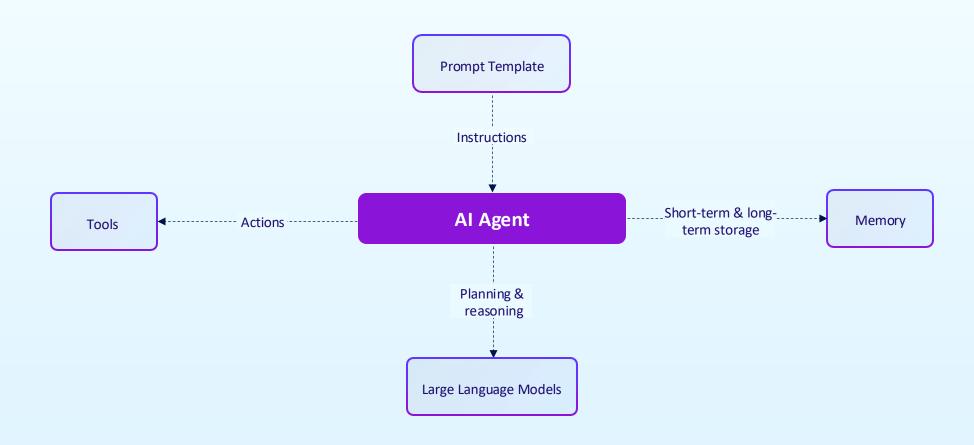


# Discover how Al agents can empower your business



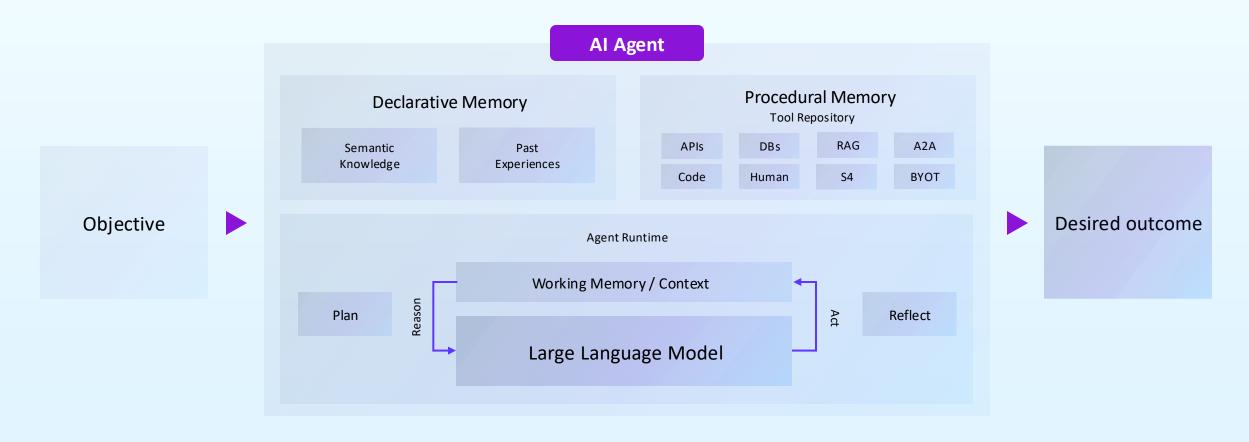
# What makes up an Al Agent?

Conceptual building blocks and how they fit together



# Al agents: From objective to desired outcome

More than just LLM-powered AI, agents can interact with the real world and autonomously create and adapt plans, make decisions, and execute actions aimed at achieving user-defined goals. Agentic AI design enables formerly impossible levels of task automation in unstructured, dynamic environments.



# Is it an agentic use case?



I've got a great idea about how AI can make our daily work way more efficient. I'm not sure which approach would be the best fit for this, though. Maybe we could build an AI agent?

Our customer mentioned how tough and exhausting it is to generate product insights from their customer data. I think AI could help them understand their customers' behaviour better and faster.

Do you think using agentic AI would be the right way to improve the process and generate insights?



## Is it an agentic use case?

Evaluate your use case with the questions below



Does your use case involve uncertain or dynamic situations?



Does the task require complex problem-solving skills?



Is there a need for natural language, software code understanding or processing?



Does the task or goal evolve over time in a given context, requiring adaptability?



Does the solution need to handle unexpected inputs or off-script scenarios?



Are there opportunities for automation to streamline repetitive operations?

The future of artificial intelligence is not about man versus machine, but rather man with machine.

Together, we can achieve unimaginable heights of innovation and progress.

#### Fei-Fei Li

Computer scientist and Co-director of the Stanford Institute for Human-Centered AI

