

An abstract 3D graphic on the left side of the slide, featuring a series of white, wavy, layered shapes that create a sense of depth and movement, resembling a stylized mountain range or a series of overlapping paper waves.

AI Multi-Agent SAP Automation Platform

Turning business scenarios into automated SAP workflows through intelligent orchestration.

TEAM NAME

CONCURERS

The Enterprise Challenge - SAP Concur Invoice (example)



Current Pain Points

SAP Concur has a lot of AI usecases and we face challenges in having a perfect data pipeline for invoices. The models trained are not have varied quality invoices in the data pipeline

Our Vision: Natural Language to Execution

What if you could simply describe what you need... and SAP workflows execute automatically?

"Generate 5 overdue invoices for a US vendor"

The platform interprets your intent, plans the workflow, and completes execution in seconds—no API documentation required.

Our Solution Architecture



Understands

Natural language intent



Plans

Workflow sequence



Executes

SAP API calls



Verifies

Business outcomes

A **Knowledge-Graph powered Multi-Agent platform** that transforms natural language into validated SAP workflows—bridging the gap between business intent and technical execution.

Live Scenario Walkthrough

User Input

"Generate 5 overdue invoices in SAP Concur"

01

Intent Recognition

System understands the business requirement

02

Workflow Planning

Determines optimal execution path

03

API Discovery

Identifies relevant SAP Concur endpoints

04

Data Generation

Creates realistic, context-aware invoice data

05

Execution & Verification

Runs APIs and validates results

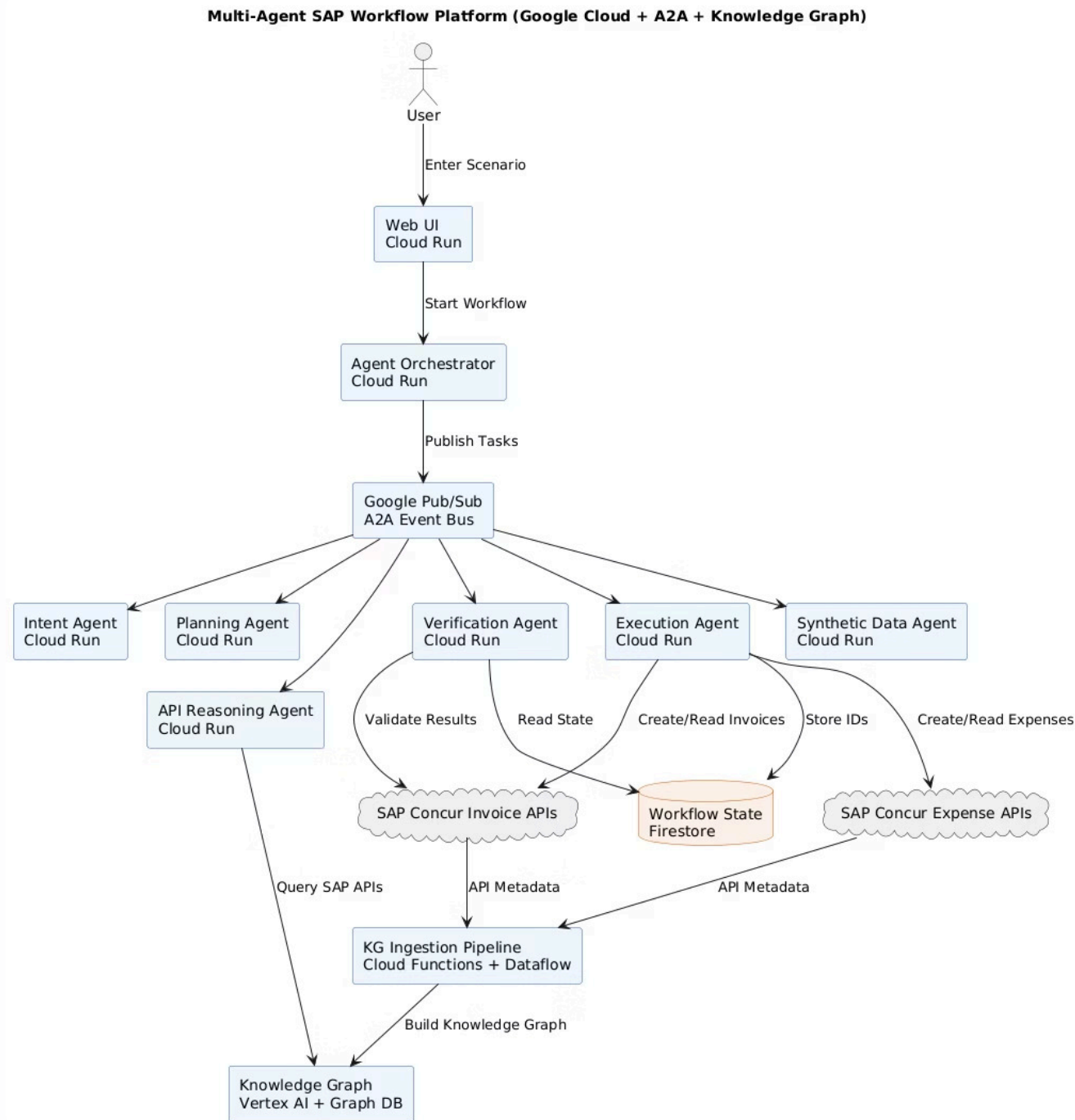
Our Differentiator: Knowledge Graph Intelligence

Most AI agents understand **what to do**—but struggle with **which enterprise APIs to call**.

We've built a comprehensive **Google Knowledge Graph of SAP APIs** that enables dynamic discovery. When agents need to execute a workflow, they query the graph to identify the precise APIs, parameters, and dependencies required—no hardcoded logic, no brittle integrations.

This approach ensures the platform adapts as SAP systems evolve, maintaining accuracy without manual updates.

Built on Google Cloud



Cloud Run

Serverless agent microservices with auto-scaling

Pub/Sub

Asynchronous agent-to-agent messaging

Firestore

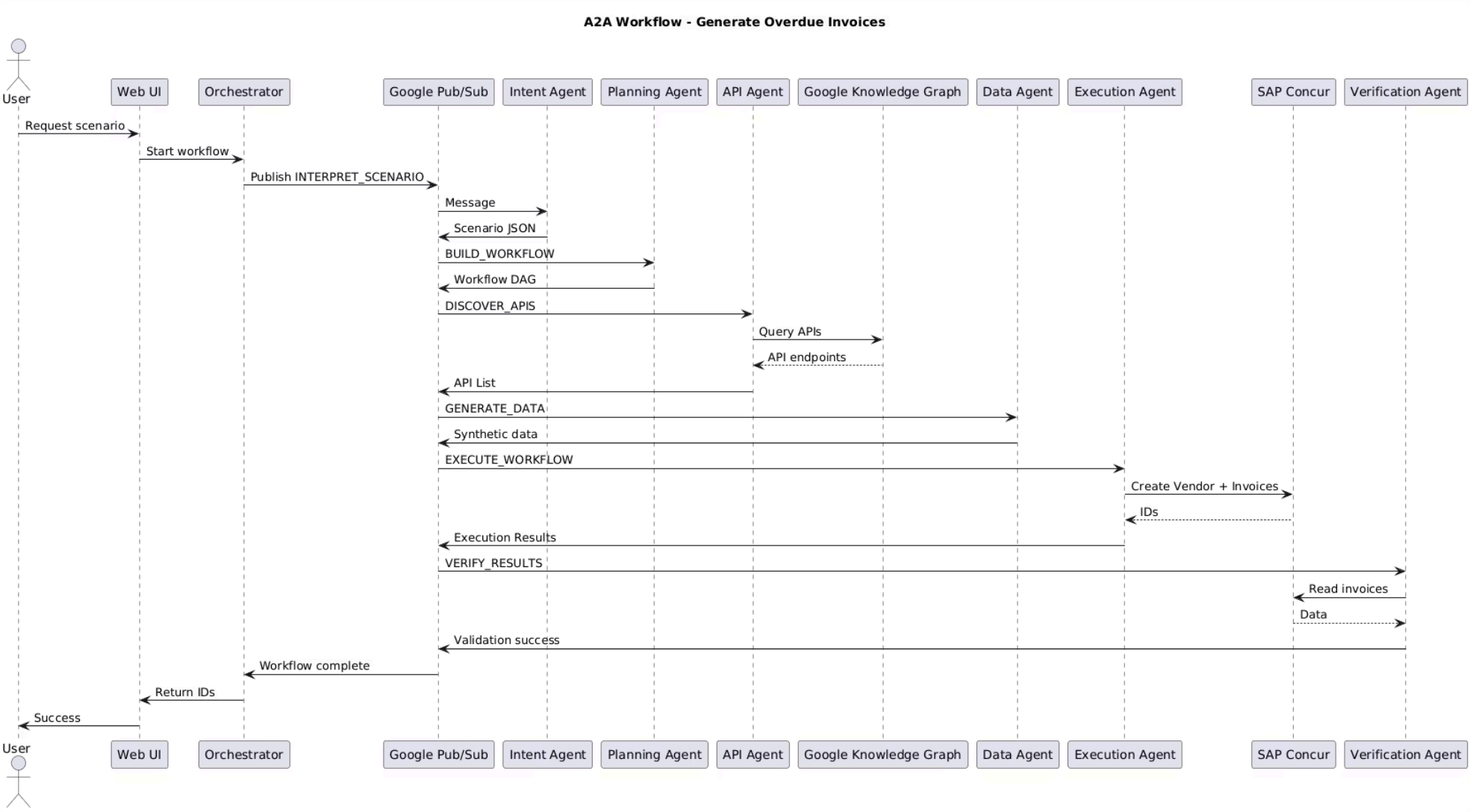
Real-time workflow state management

Vertex AI + KG

Knowledge graph intelligence layer

Enterprise-grade infrastructure delivering security, scalability, and reliability at every layer.

Multi-Agent Architecture



All agents communicate via **Google Pub/Sub** using the **A2A protocol**, ensuring scalable, decoupled orchestration.

Business Impact

10X

Faster SAP Testing

Reduce test cycle times from weeks to
hours

90%

Less Manual Effort

Eliminate repetitive data creation tasks

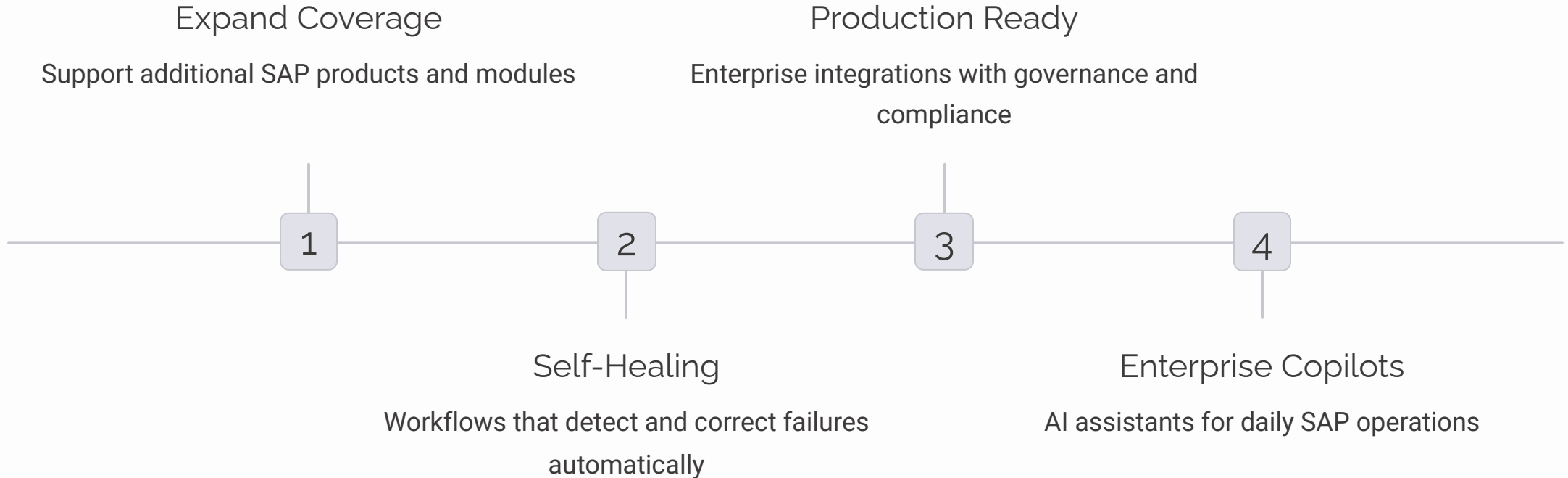
5X

Innovation Velocity

Accelerate feature deployment cycles

This platform transforms SAP operations by automating the entire workflow creation process. Teams gain instant access to realistic test environments, reduce dependency on specialized SAP knowledge, and achieve plug-and-play support for new SAP products as they're released.

The Future of SAP Automation



From prompts to enterprise automation—we're building the future where natural language becomes the universal interface for SAP workflows.