WSO2CON 2025

Platformless Modernization



Sanjiva Weerawarana, Ph.D.
Founder, CEO, and Head of Products
WSO2


$100M
🙏🏾
Thank you to all who trusted us to run your most critical systems (and paid!)
Getting to $100M ARR profitably, with 100% open source is rare!



As of August 2024, we are now part of the EQT family, along with great software companies like SUSE, IFS, and Acumatica.

What does it mean for WSO2?

Board: https://wso2.com/about/board


Jonas


Hari


DP


Tami


Nina


Sanjiva

Products: We continue to build critical infrastructure that helps you build, deliver and operate awesome, intelligent digital experiences.

Always the heartbeat within.

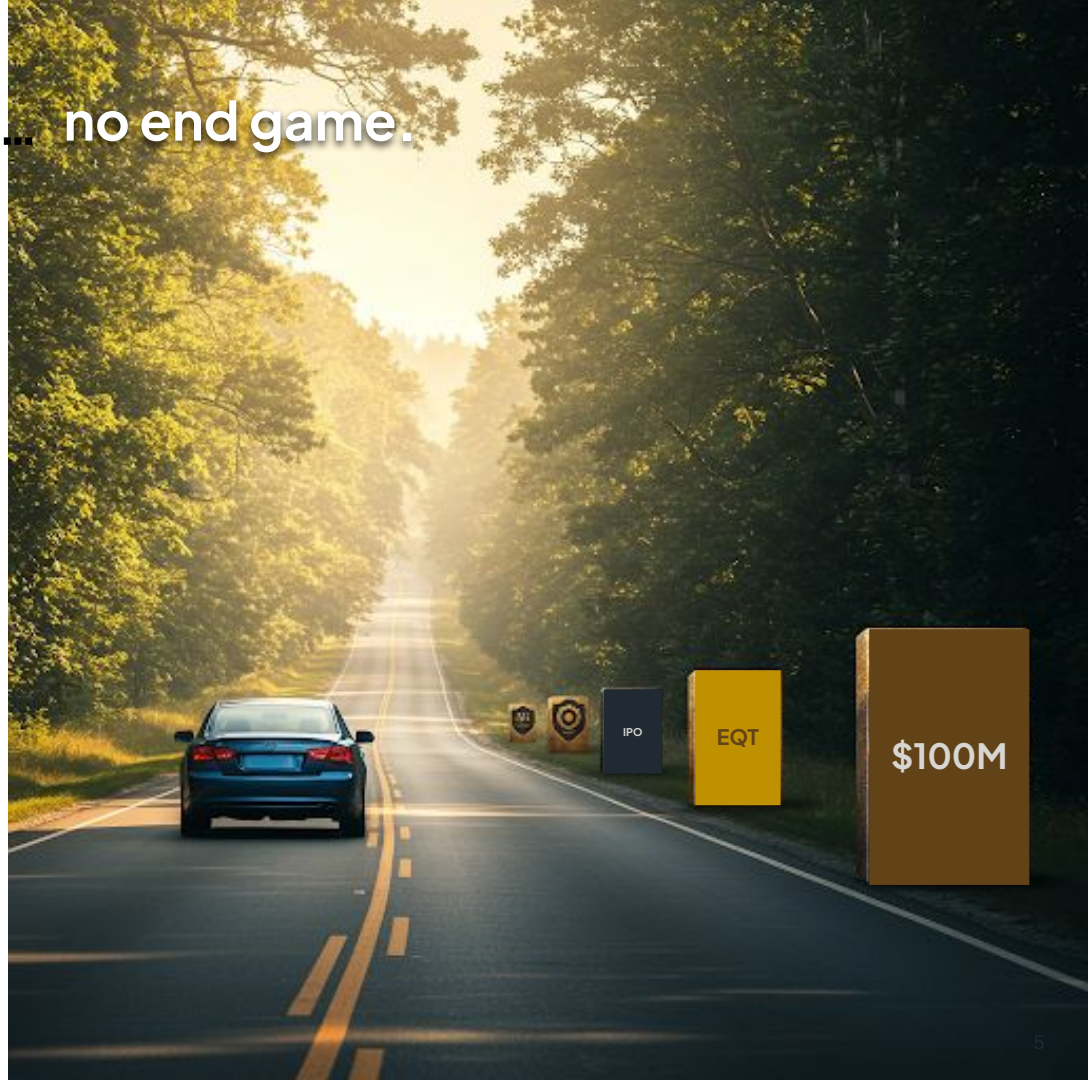
100% Open Source

SaaS

The end game for WSO2 is ... no end game.

Roads were made for journeys, not destinations.

– Confucius



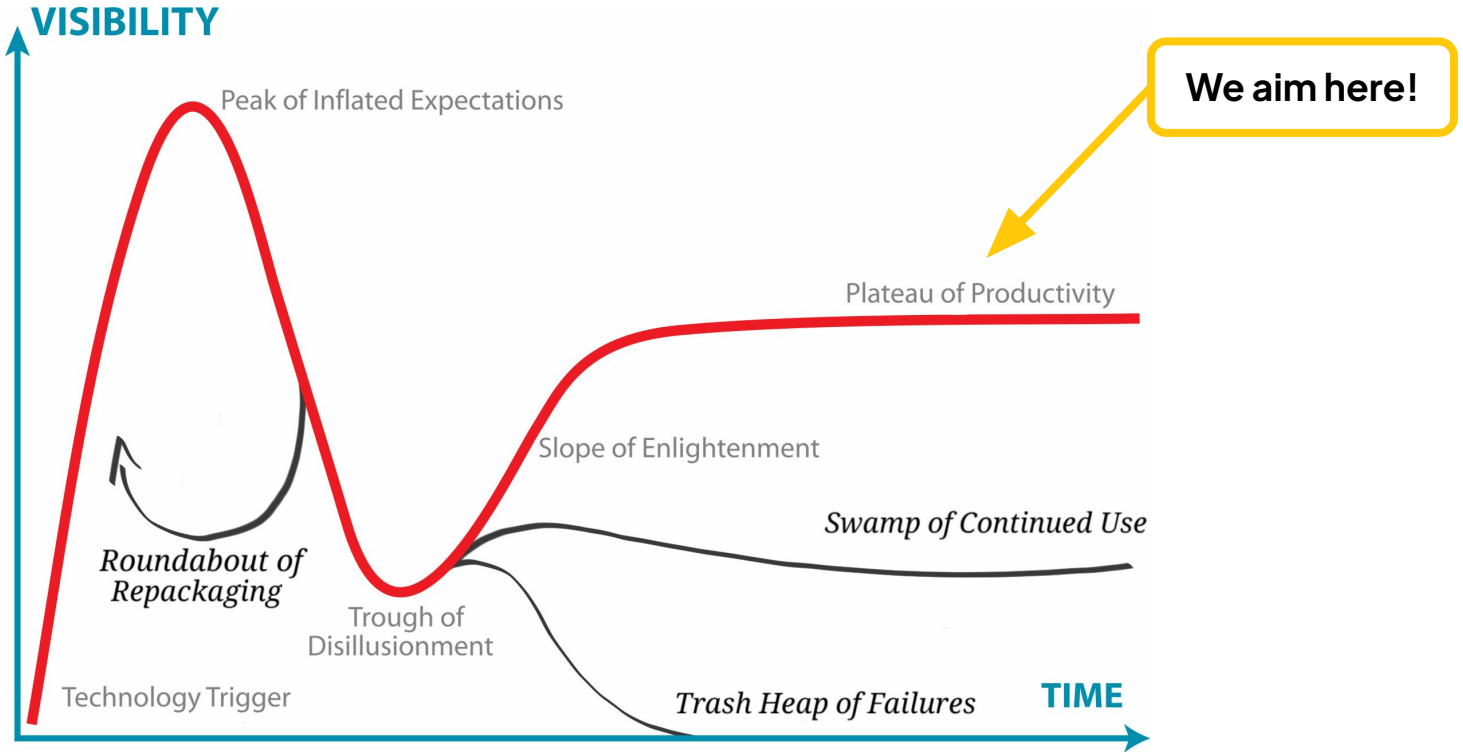
The way we think about technology



Our challenge: Keep your ride smooth

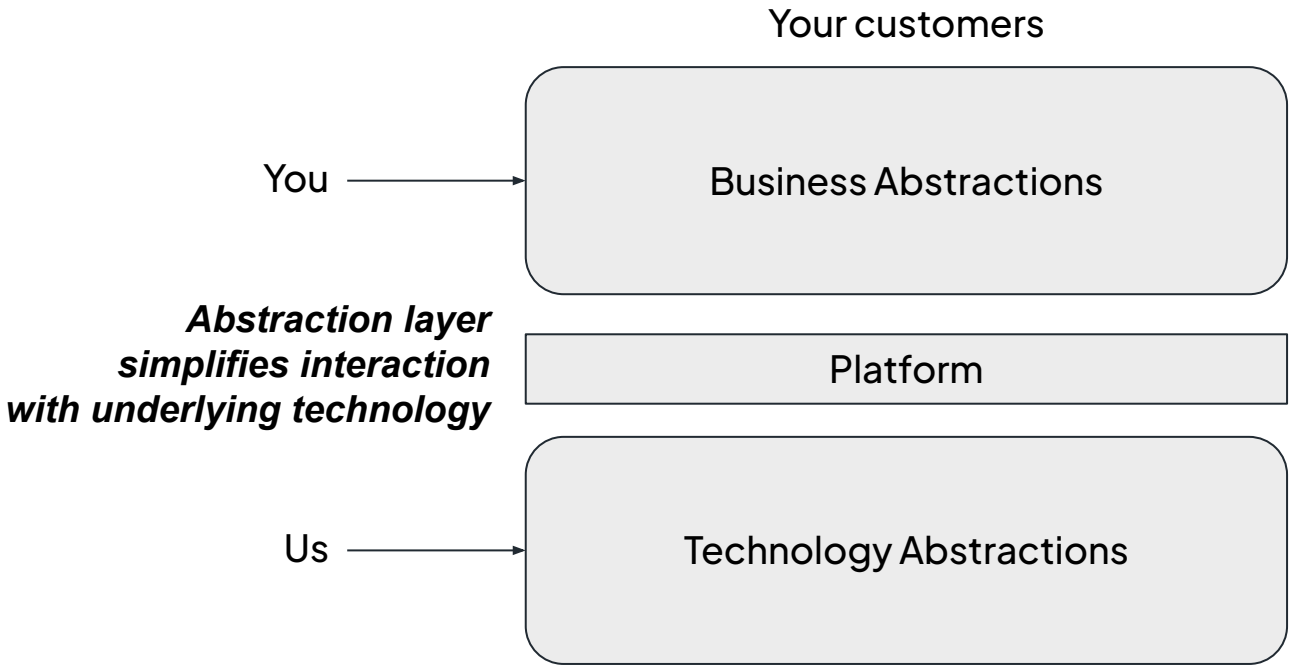


Think long: Skip the hype curve

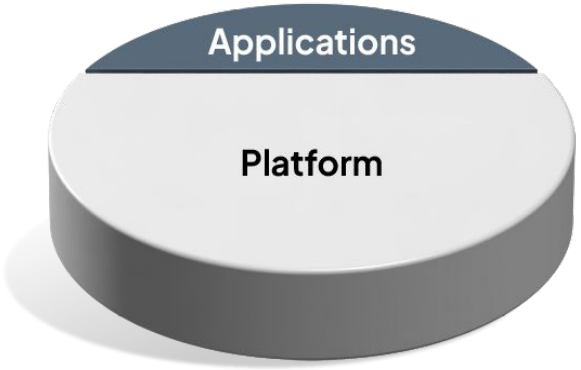



Think deep: Start from first principles
Sometimes there’s a reason for the hype
George Pelecanos

Think big: Build better abstractions and architectures



Are you focused on the right part of the problem?



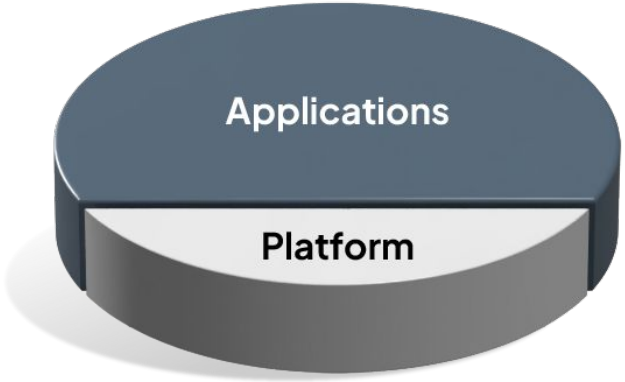
Your customers

Business Abstractions

Platform

Technology Abstractions

This is what it should be!



Your customers

Business Abstractions

Platform

Technology Abstractions

Platformless is an approach that drives focus on business abstractions by creating a boundary that removes the complexity of underlying technology.

Platformless modernization is when your focus is on modernizing the business, and not technology.

Example: Enterprise collaboration

From

- **Setup**
  - Select and deploy email (SMTP server, spam tools, antivirus, …), chat server, calendar, file shares
  - Set up shared authentication with LDAP and integrate
  - Install multiple clients
- **Operate system**
  - Software maintenance
  - Spam & antivirus maintenance
  - Backup and restore
- **Use (with difficulty)**

Example: Enterprise collaboration is platformless

From

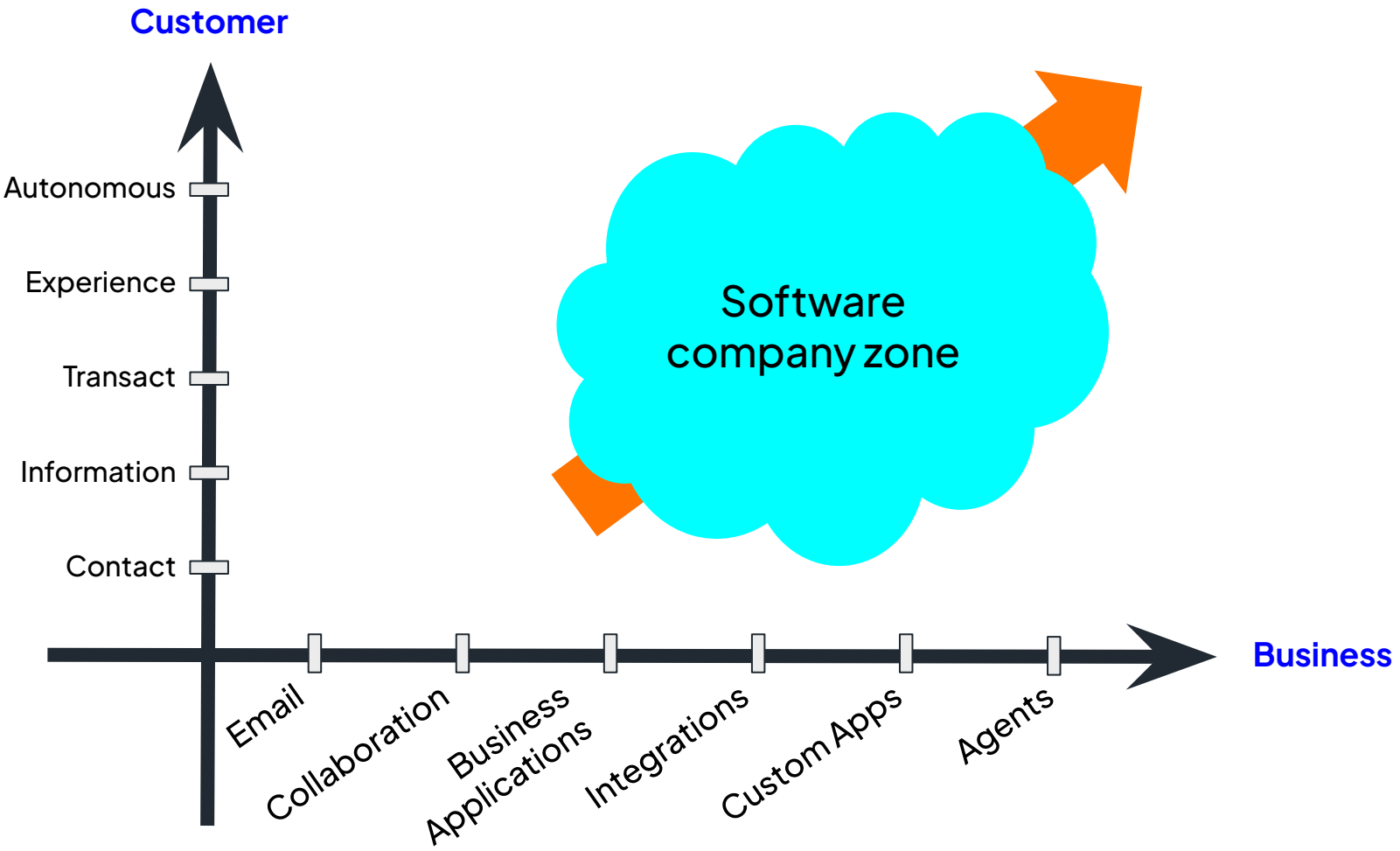
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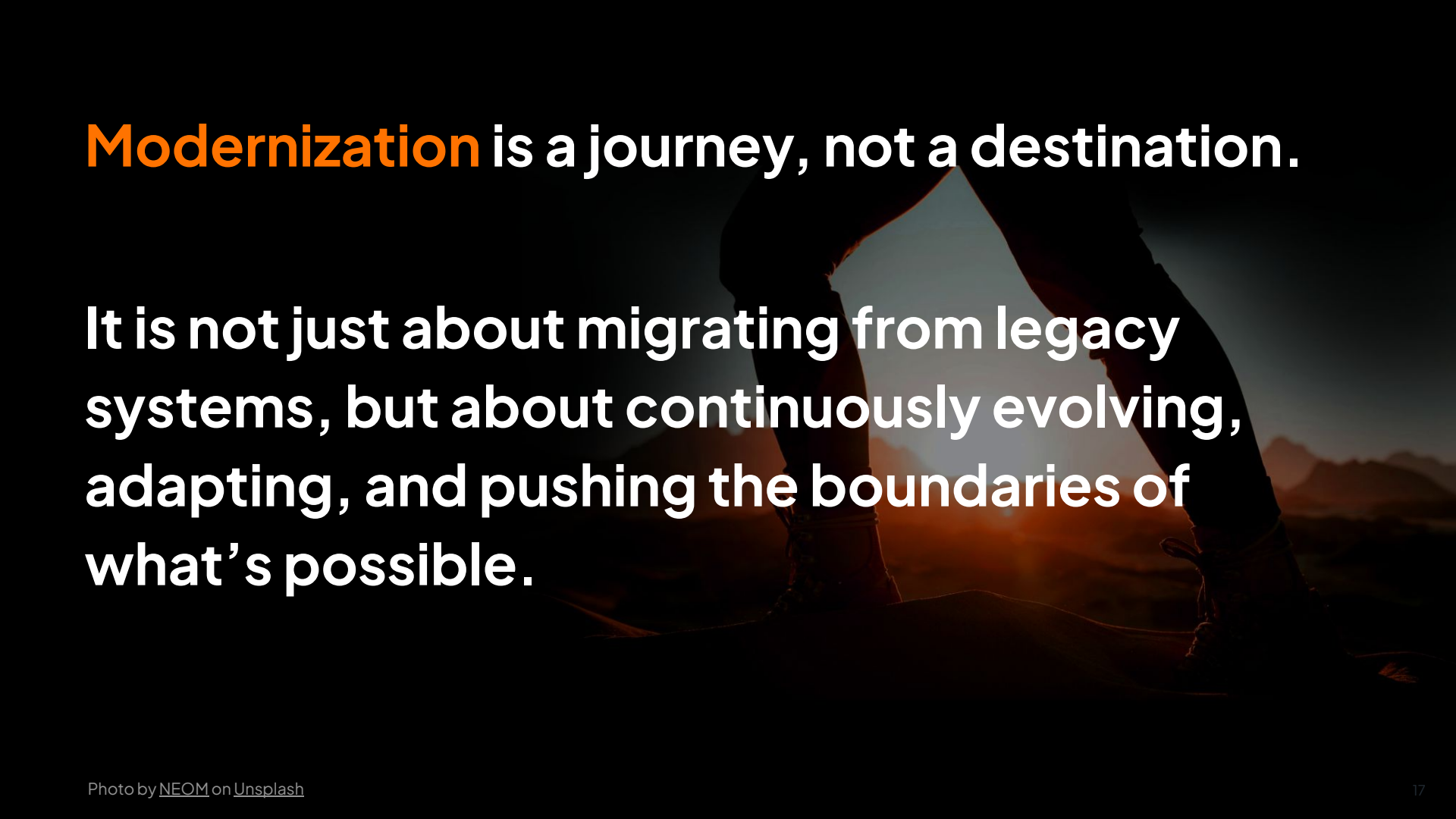
To





- **Setup**
  - Add DNS records (often automated)
  - Add your users
- ~~**Operate system**~~
- **Use**
  - Discuss etiquette
  - Discuss sharing
  - Discuss knowledge management


Customer
Autonomous
Experience
Transact
Information
Contact
Software company zone
Email
Collaboration
Business Applications
Integrations
Custom Apps
Agents
Business



Modernization is a journey, not a destination.

It is not just about migrating from legacy systems, but about continuously evolving, adapting, and pushing the boundaries of what's possible.

Photo by NEOM on Unsplash

Keep moving with technology



WSO2 product portfolio, the modernization toolkit

Core technology for your digital platform



API Management



Identity & Access Management

Your digital platform as a service

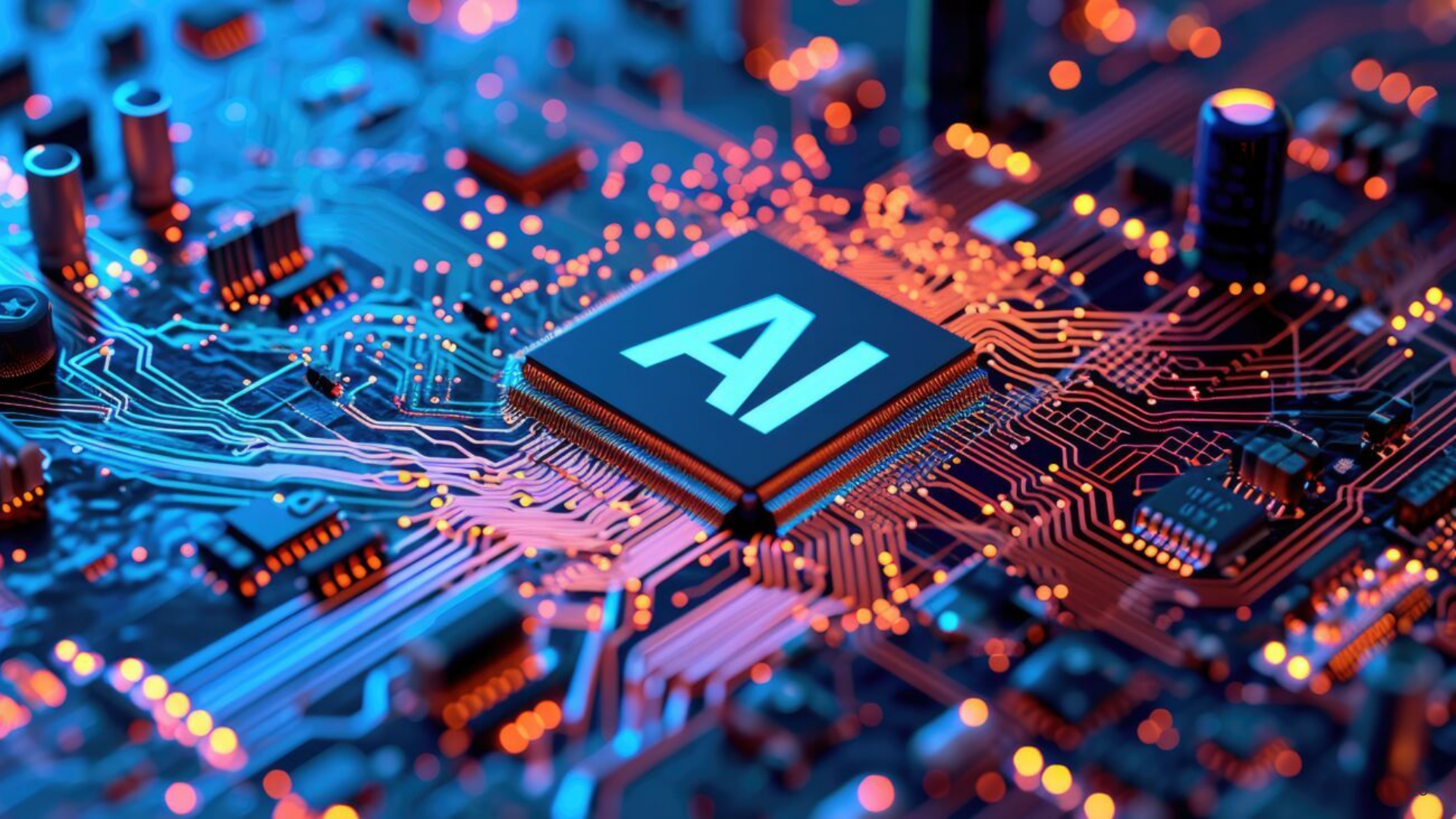


Internal Developer Platform as a Service

The integration engine for your business



Integration


AI

WSO2CON 2025

AI



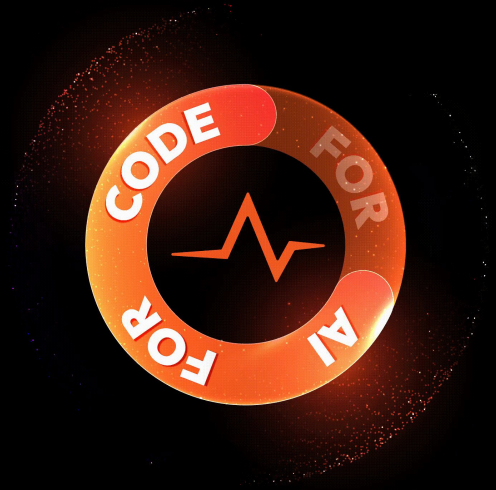
Dr. Rania Khalaf
Chief AI Officer
WSO2



The AI (R)evolution: Join or Struggle?

AI is fundamentally changing software development

Developers productivity is supercharged through **AI for code** across the software development lifecycle.



Building AI-native applications is changing **code for AI** through emerging programming abstractions and building blocks

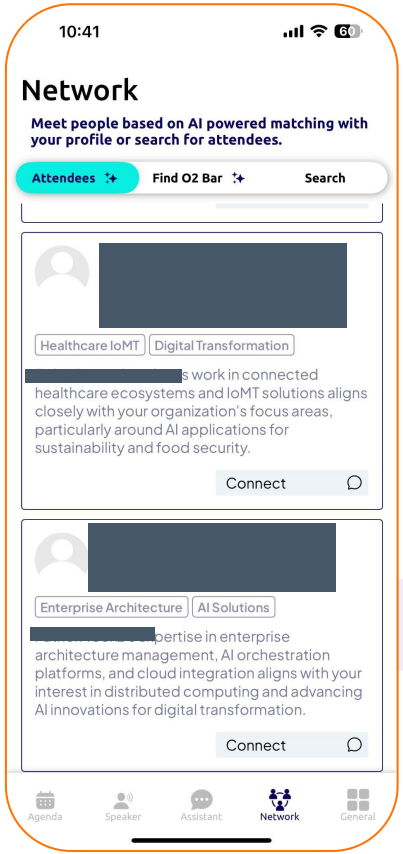
Blending language and code with
natural programming

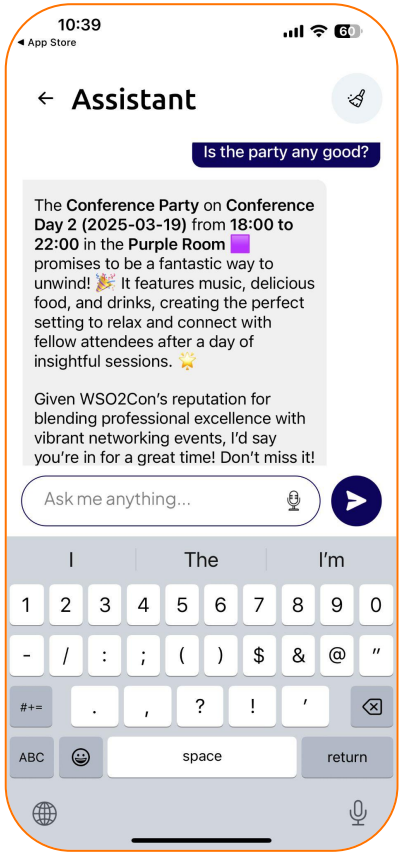
The modern application is AI-native

WSO2CON 2025

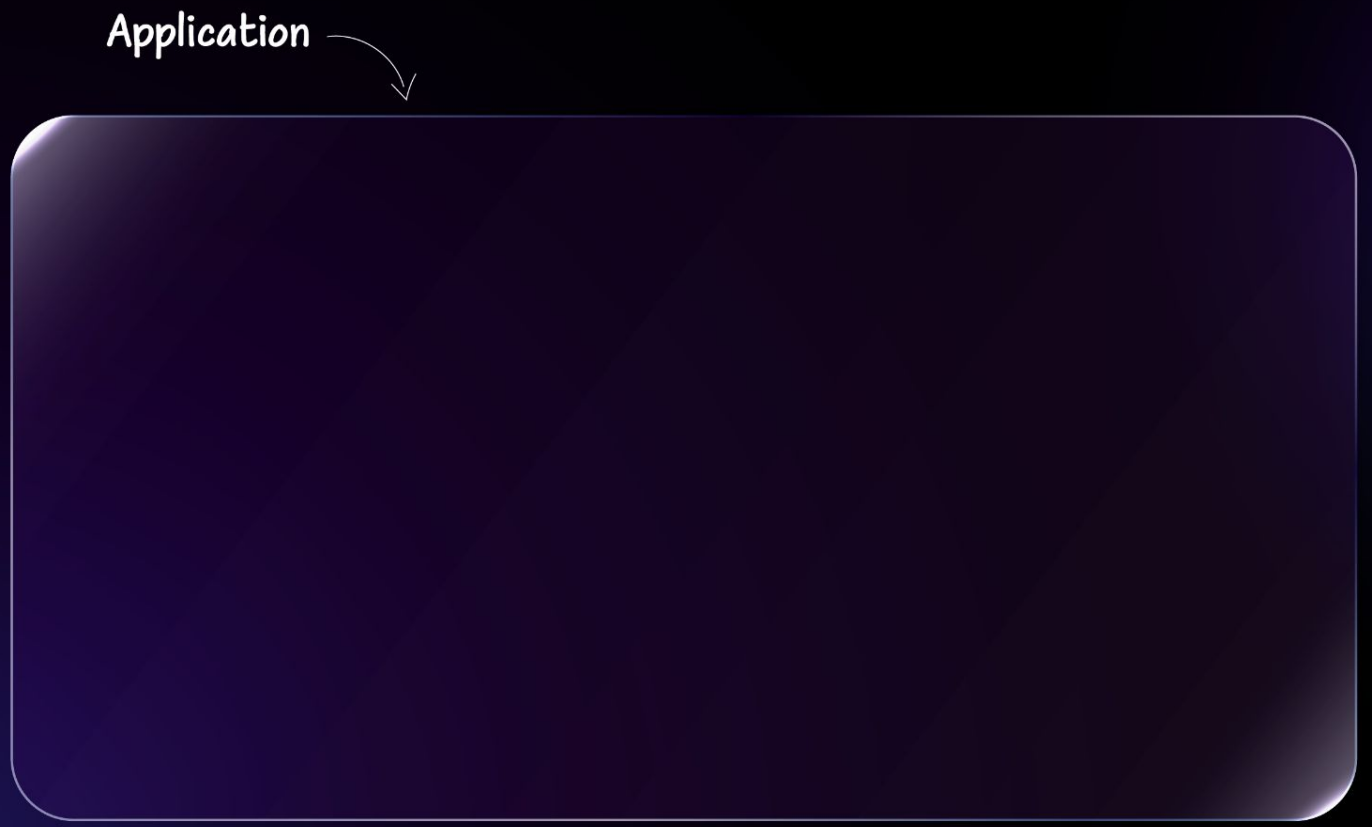
Download on the App Store

GET IT ON Google Play





AI-native applications



An application without AI

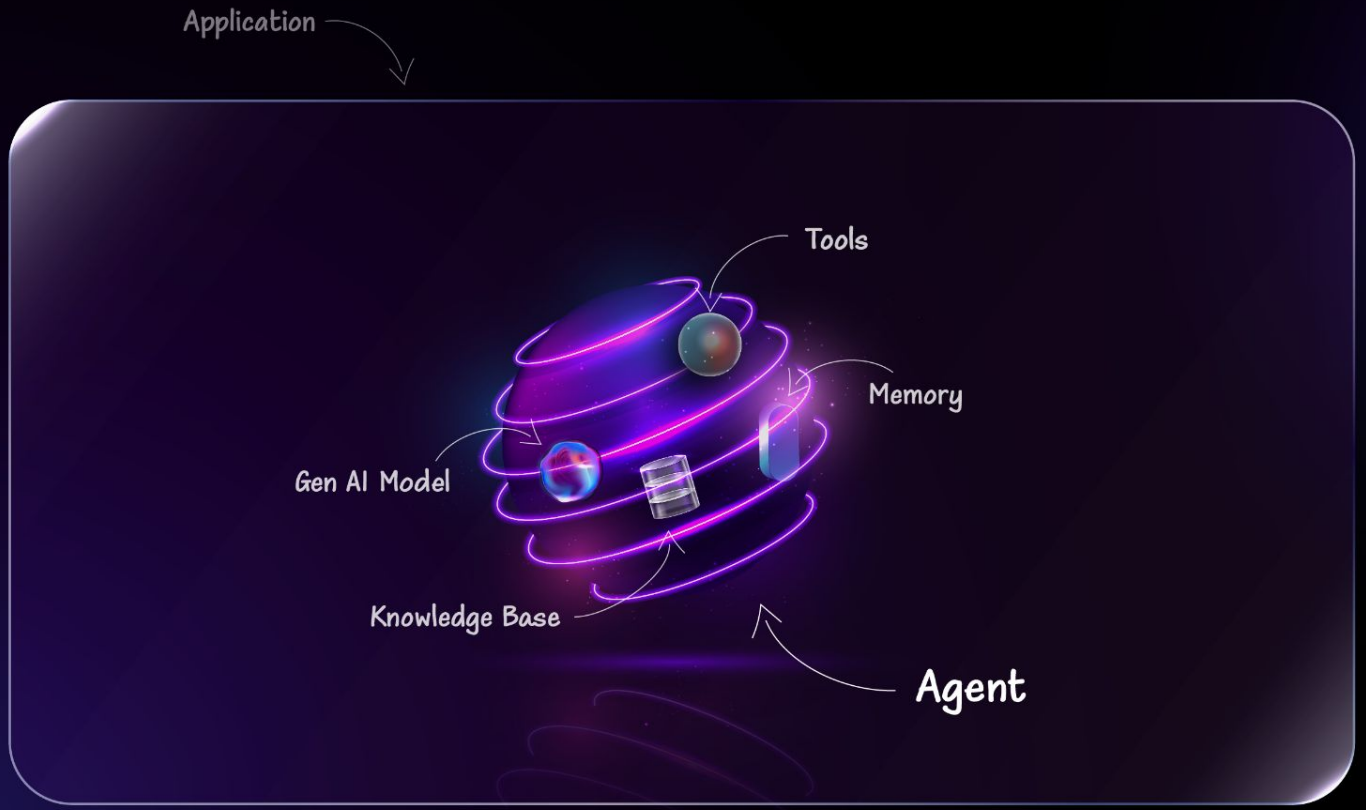


An application that uses generative AI models
to generate content like text and images

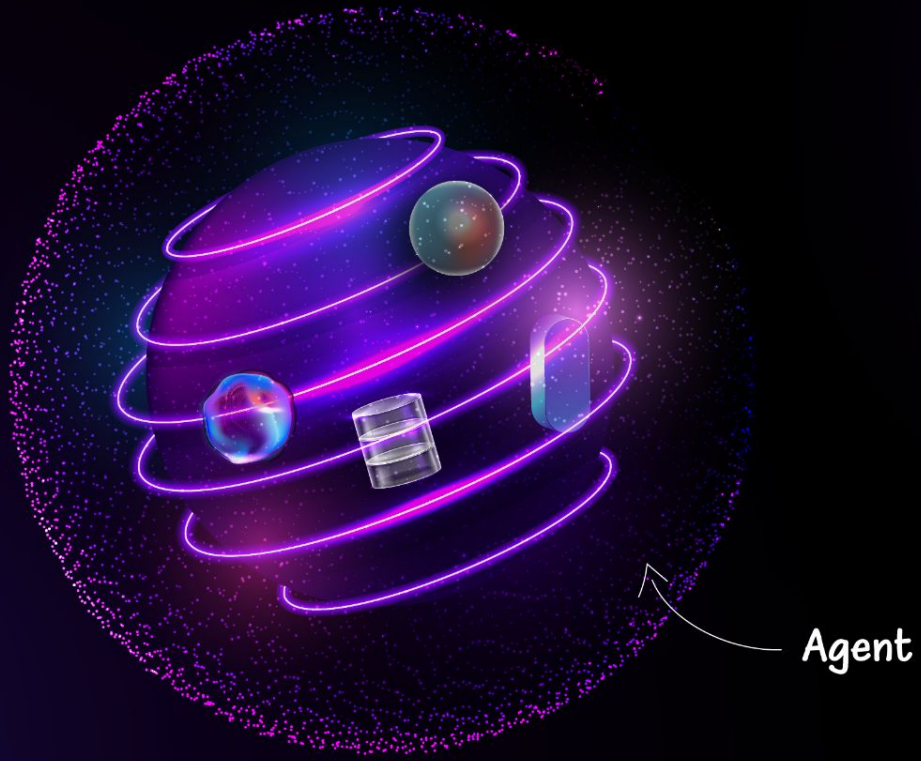


An application that uses Retrieval Augmented Generation (RAG)

A generative AI model grounded in a knowledge base for better accuracy

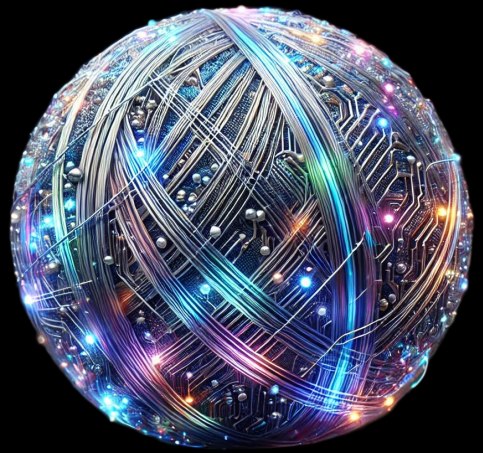


An application that uses an Agent



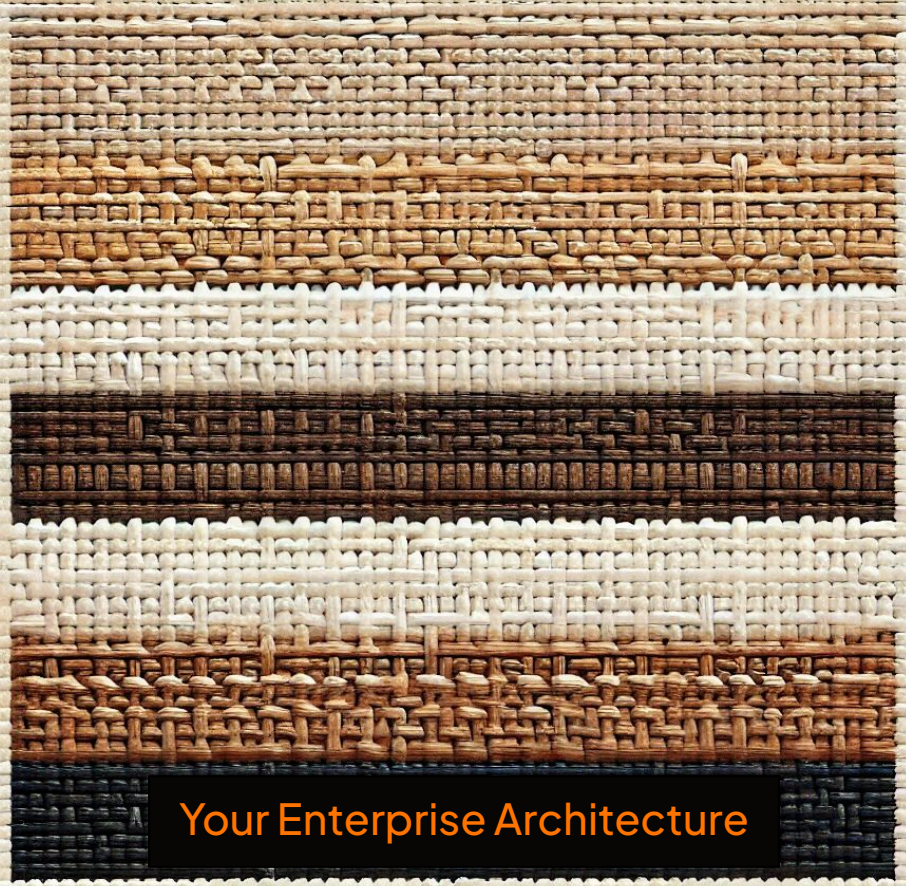
An application where the Agent
is the application

Building AI-native applications
Code for AI



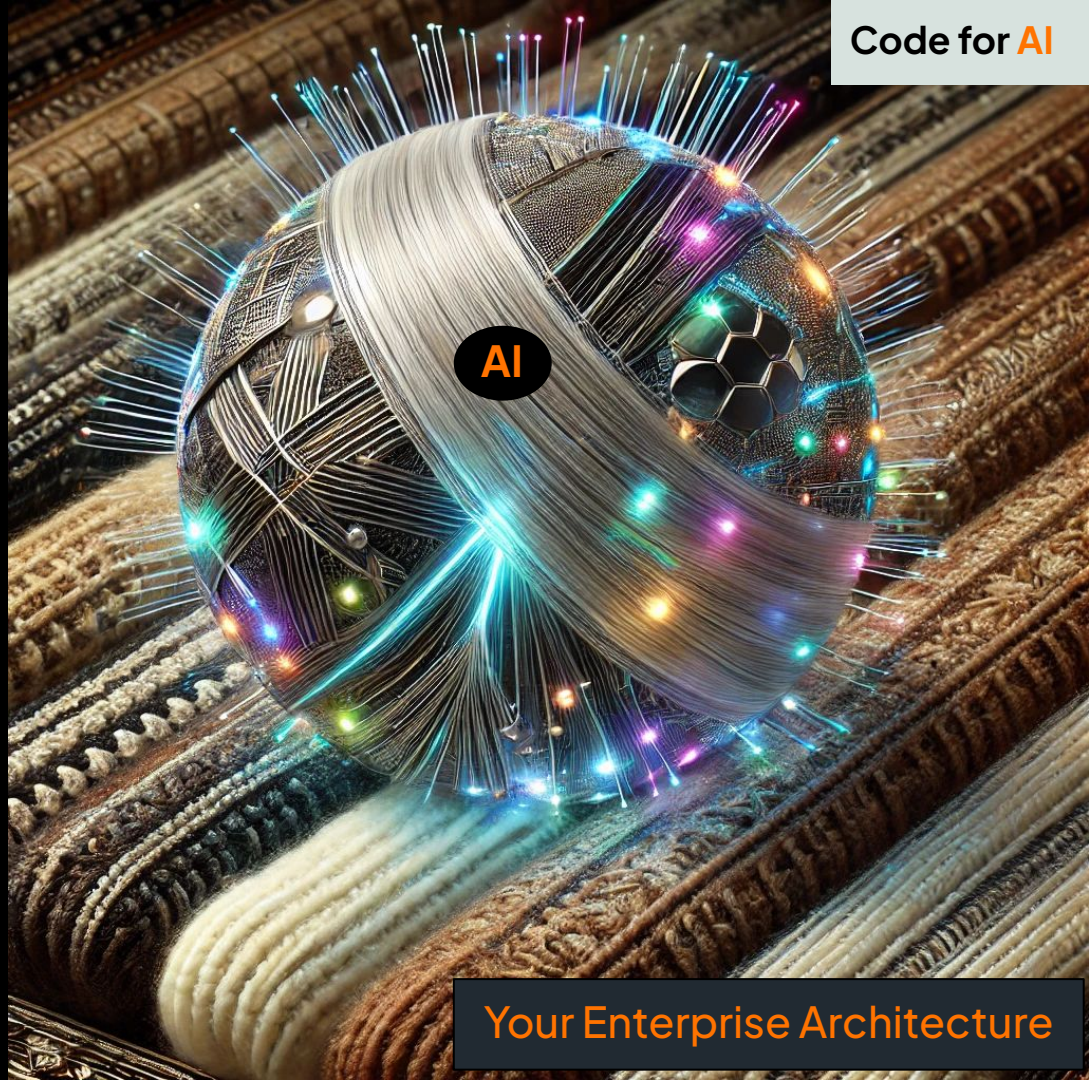
AI

Code for AI



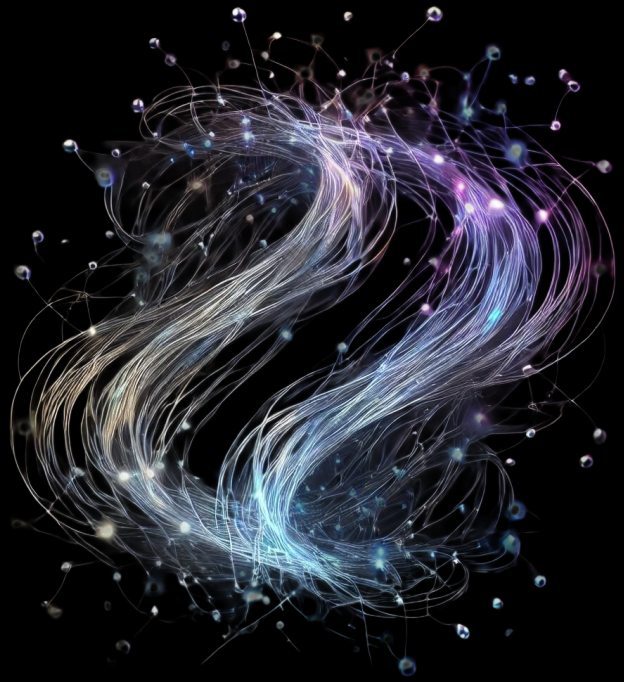
Code for AI

Only **~26%** of companies experimenting with AI have scaled them to production [1]



1 IDC Worldwide AI & Generative AI Spending Guide, September 2024, IDC, Doc #US52520724

Weaving AI into your applications



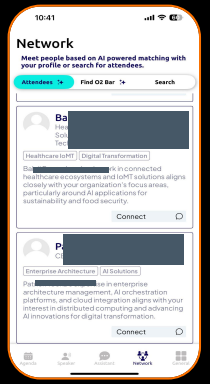
Building applications with generative AI and AI Agents requires tools and platforms that directly support:

- Generative AI models
- Knowledge bases
- Agents
- Tools

Illustrating with the WSO2Con App

WSO2Con App



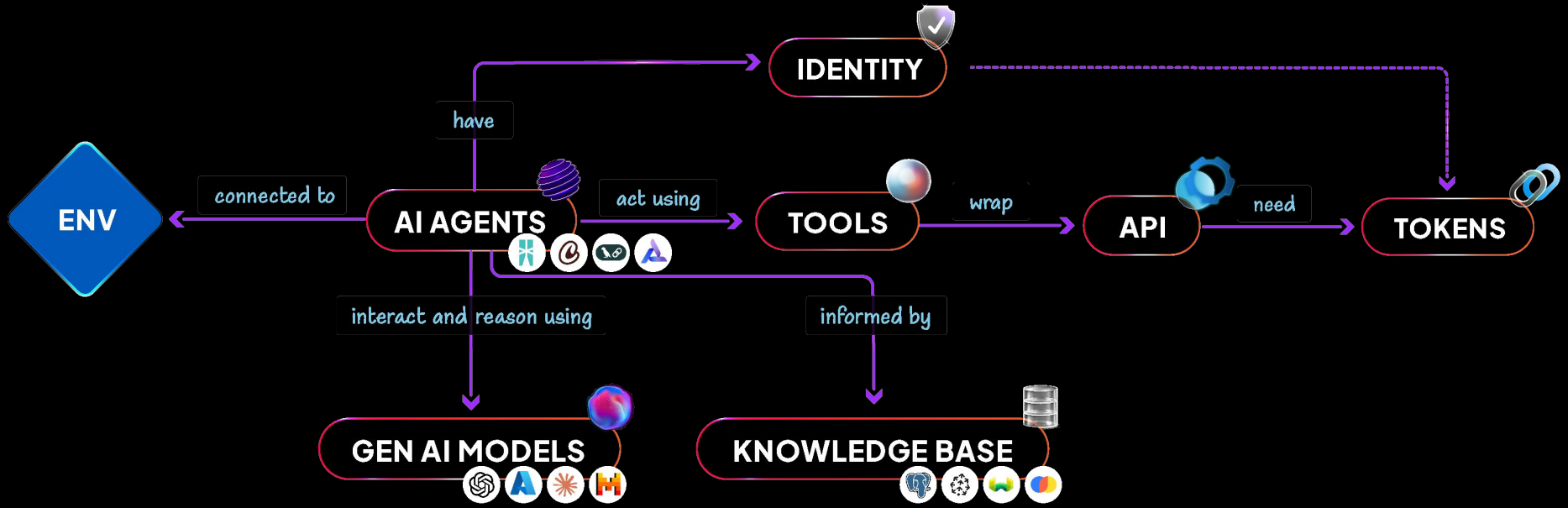


Attendee Networking Service

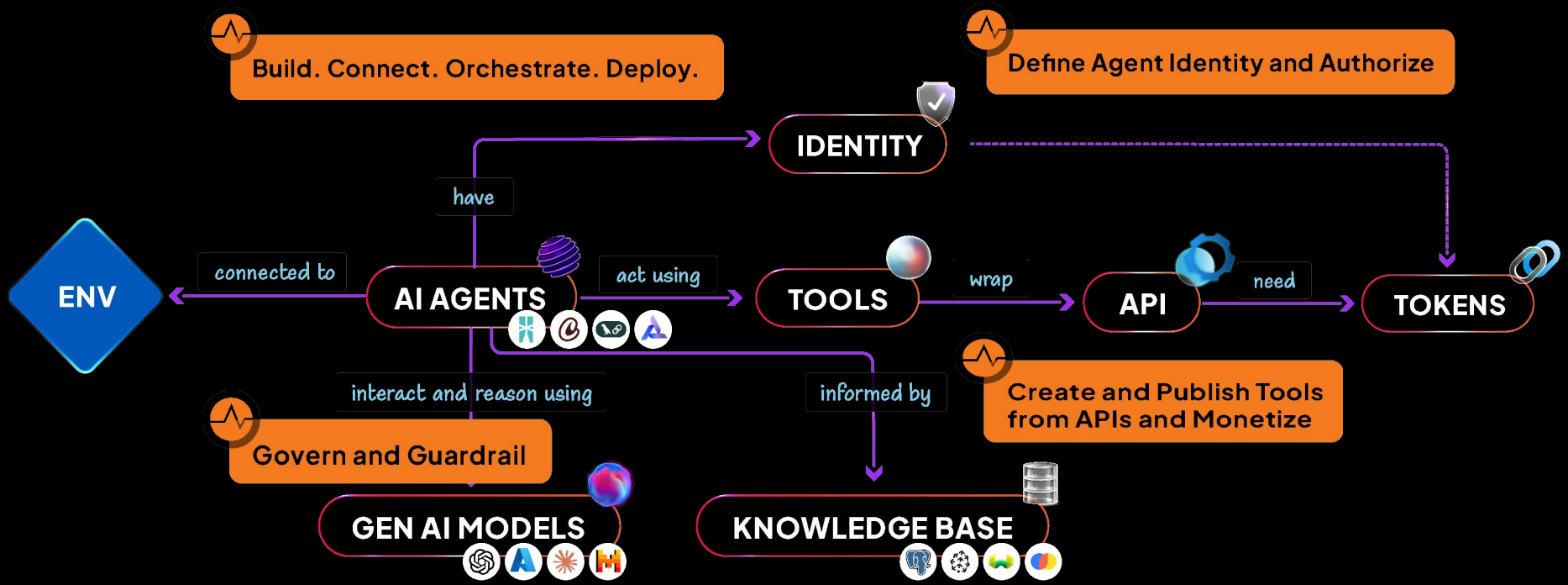




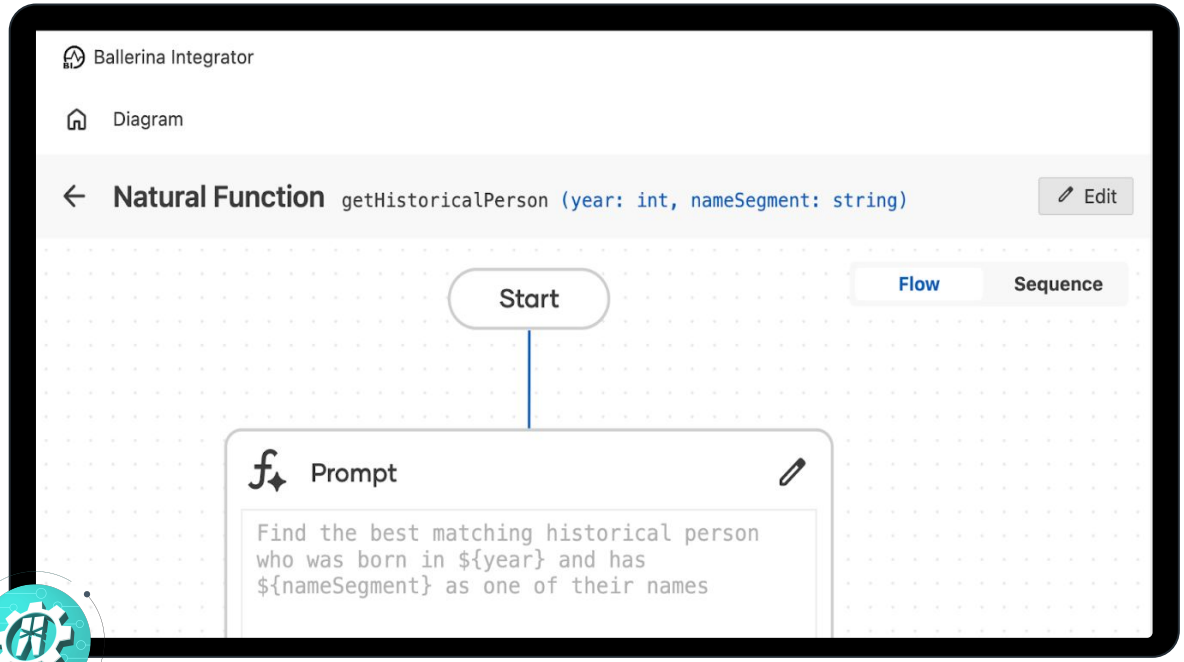
Building AI Agents



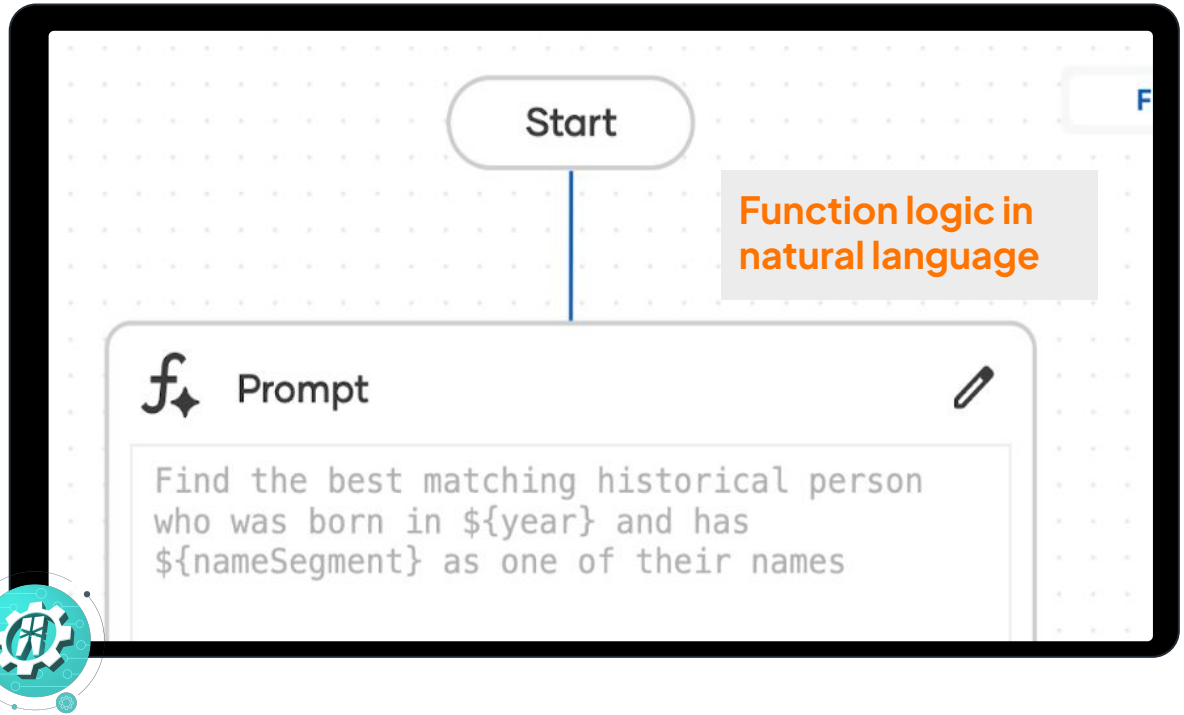
Building AI Agents



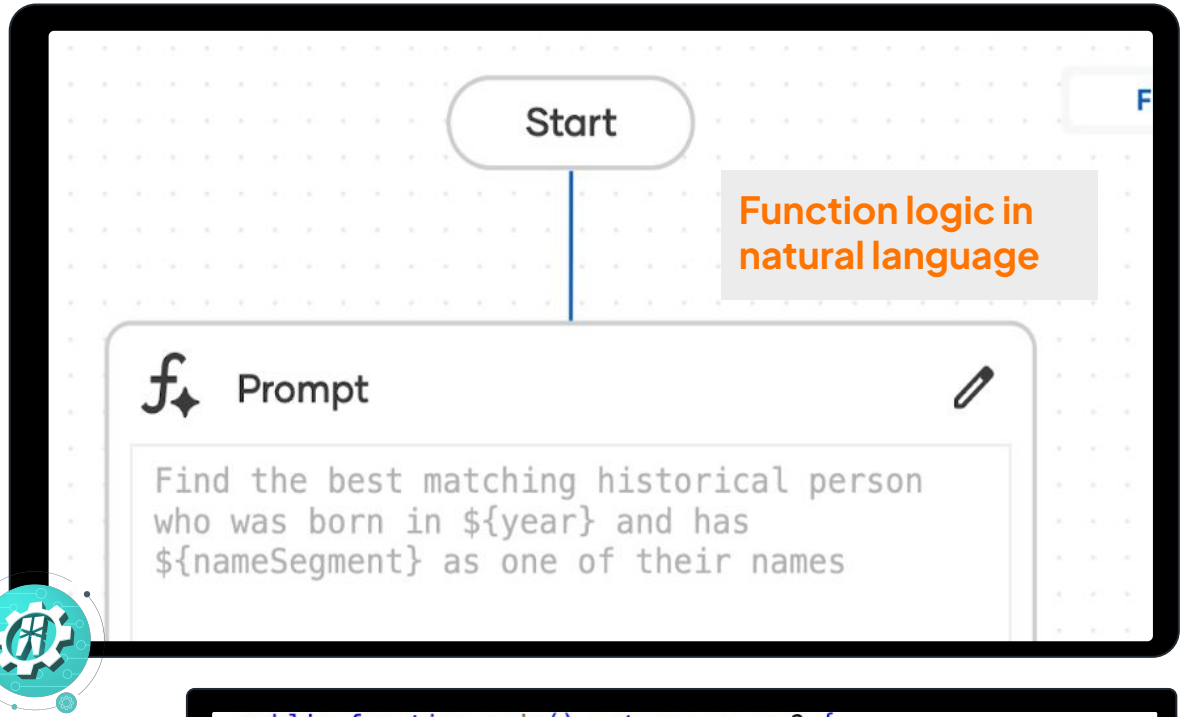
Natural programming: natural language as code



Natural programming: natural language as code



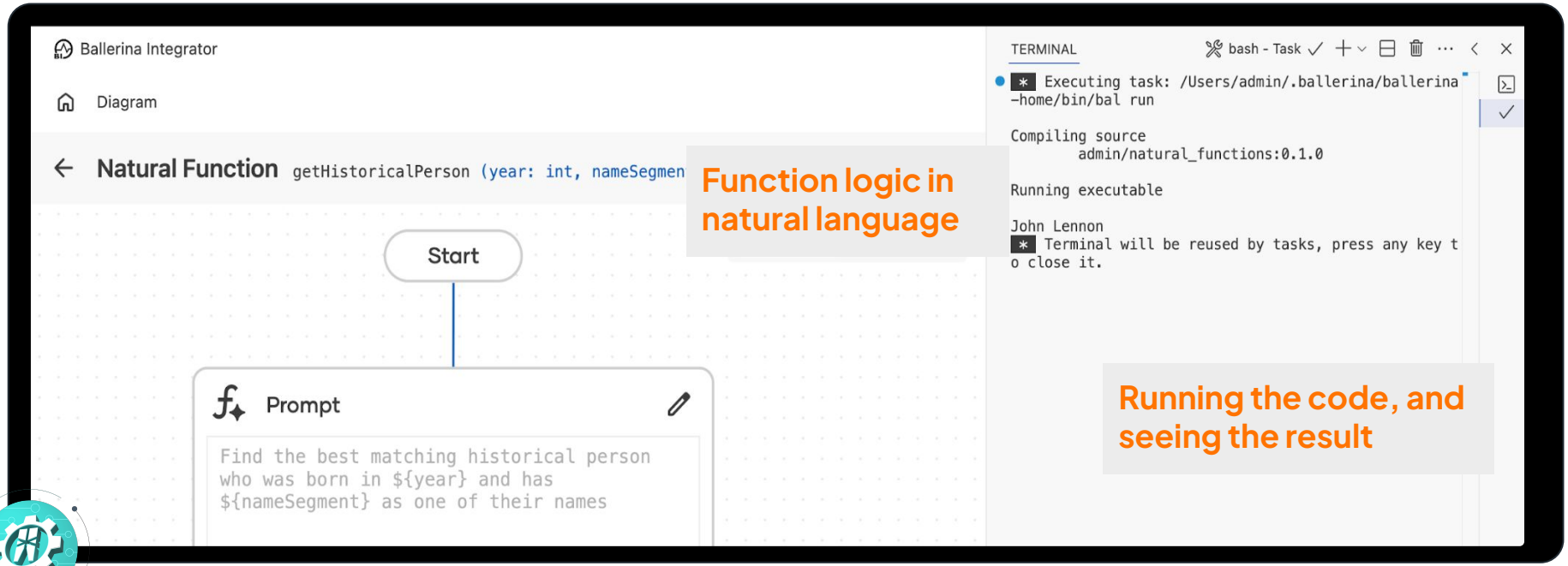
Natural programming: natural language as code




```
public function main() returns error? {
    Person person = check getHistoricalPerson(1940, "John");
    io:println(person.firstName + " " + person.lastName);
}
```

Response in a “Person” record

Natural programming: natural language as code



Function logic in natural language

Running the code, and seeing the result

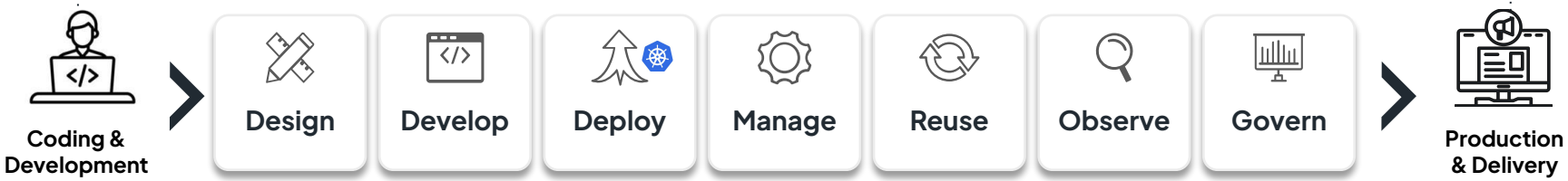
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Response in a “Person” record

Boosting productivity
AI for code

Boosting developer productivity across SDLC

Delivering digital applications from coding and development to production and delivery



AI boosts productivity at every stage

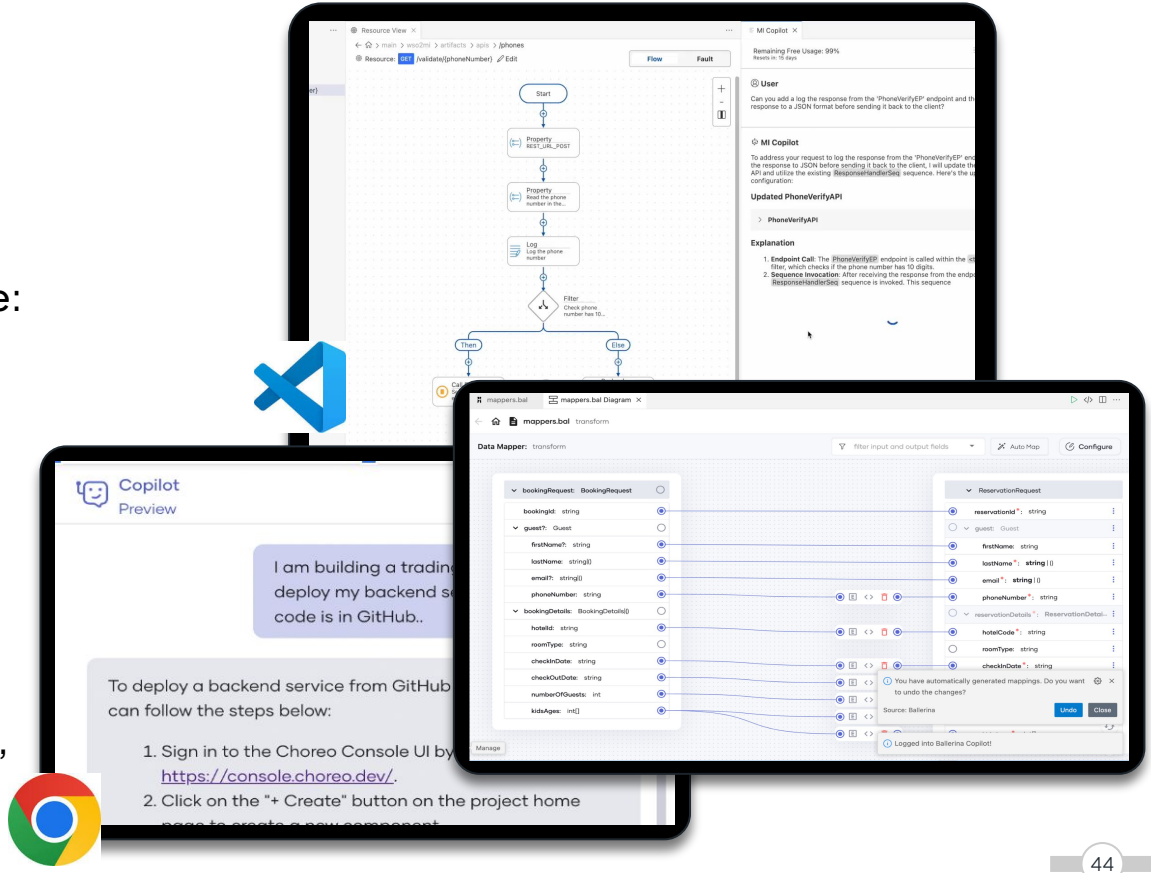
Boosting developer productivity

Copilots and AI-powered insights

- In all our products
- Across all stages of SDLC
- Directly in the user experience: IDE or console

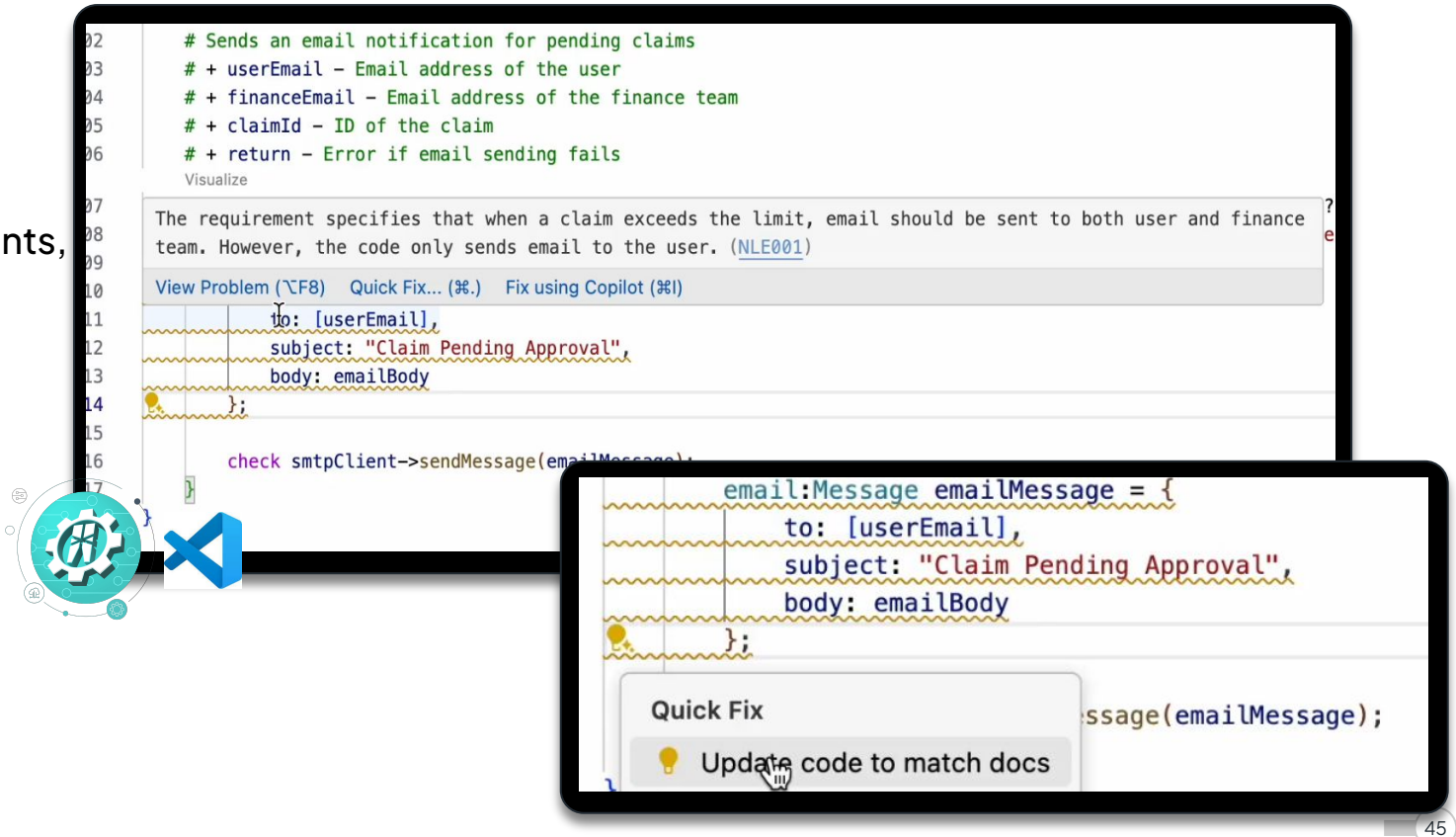
Providing

- Natural language interfaces
- Automating and enhancing cumbersome tasks
- Generating code, docs, tests, and more



Natural programming, continued:
keep requirements, docs and code in sync

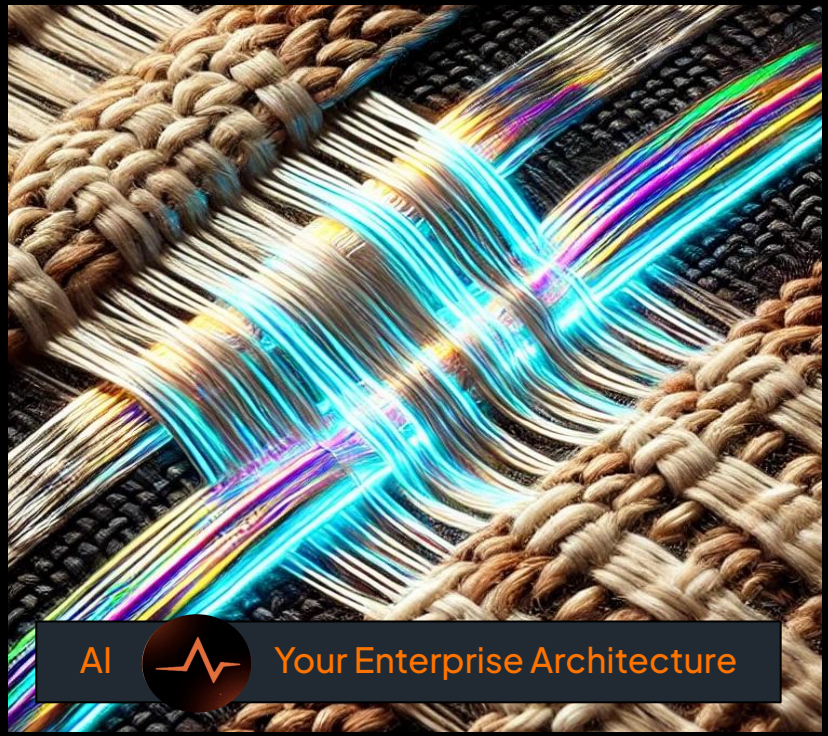
Detect and fix **drift** between requirements, docs and code.



From AI prototyping



To intelligent modernization



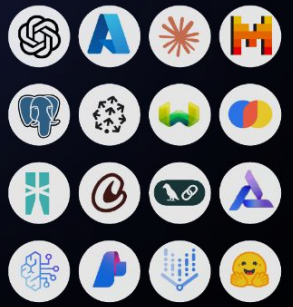
The WSO2 advantage:
Fits with your stack, plugs into the AI Ecosystem



Open Source



Comprehensive



In the AI Ecosystem

WSO2 AI |AI at the Heart of Y

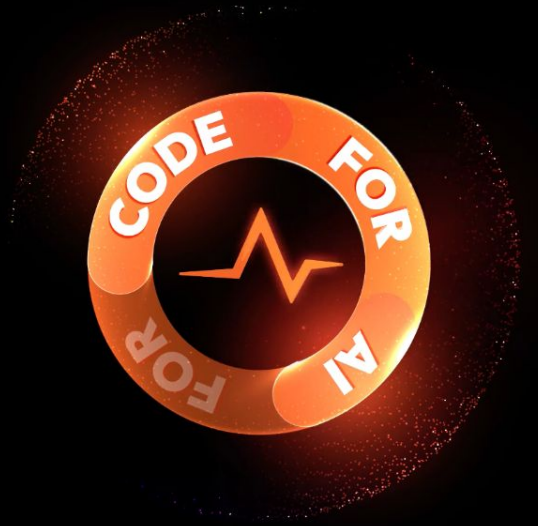
wso2.ai

Products Solutions Resources Support Contact Us EN

AI at the Heart of Your Enterprise

AI is the heartbeat of the modern enterprise. It needs to be intertwined with your digital landscape and connected to your processes and people. We empower you to seamlessly infuse AI into your applications and accelerate your teams with capabilities that are open, scalable, and governed while integrating with your existing stack.

From coding to deployment, agents to governance, our open-source approach makes your applications AI-native and your teams AI-powered.



Visit: https://wso2.ai

Code for AI

Learn more about AI

Stop by the O2 Bar!



Today
Tuesday, 18th March

AI Lab

1:30pm - 5pm
Purple Room

Tomorrow
Wednesday, 19th March

BoF

5 - 6pm
Blue Room

Day After
Thursday, 20th March

AI Track

11am - 12:30pm
Blue Room

AI for Code, Code for AI (Keynote)

1:30pm - 2pm
Purple Room

WSO2 product portfolio, the modernization toolkit

Core technology for your digital platform



API Management



Identity & Access Management

Your digital platform as a service



Internal Developer Platform as a Service

The integration engine for your business



Integration

WSO2CON 2025

Integration



S. Uthaiyashankar (Shankar)
SVP & GM - Integration
WSO2

Solve any integration challenge



Automations



AI Agents



Integrations as APIs



Event-based integrations



File-based integrations

WSO2 Integrator

WSO2 Integration Control Plane

WSO2 Micro Integrator

Low-code business integration.

WSO2 Streaming Integrator

Low-code streaming integration.

WSO2 Ballerina Integrator

Low-code business integration with pro-code parity.

Devant by WSO2

Low-code “AI integration platform as a service”.

In ballet, “Devant” *means* “to the front”

WSO2 Integrator Tooling

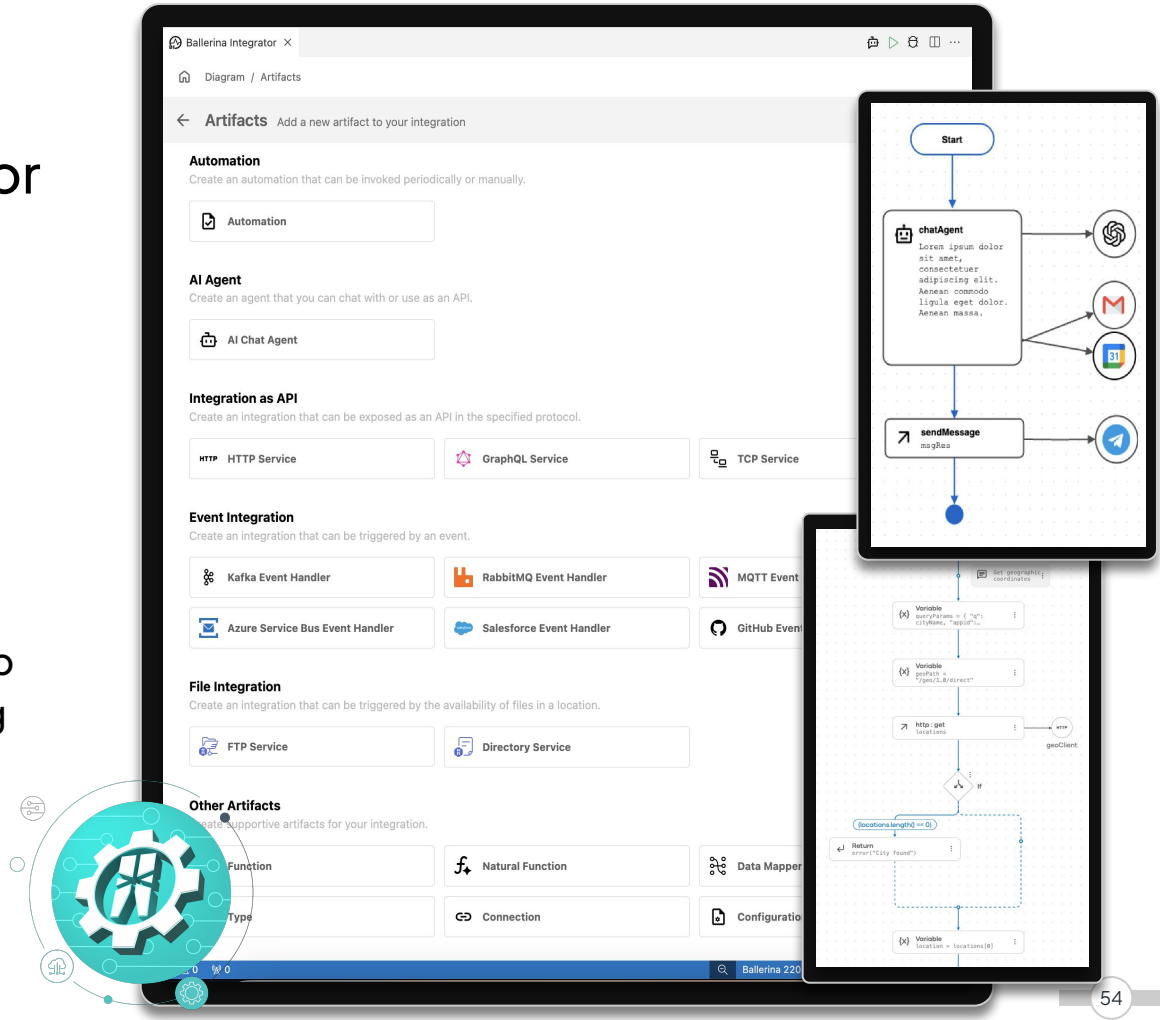
NEW RELEASE!

WSO2 Ballerina Integrator

Low-code integration with superpowers!

Open source, AI-powered, low-code integration development environment powered by Ballerina.

Unique low-code approach to develop any complex integration without hitting roadblocks.



NEW RELEASE!

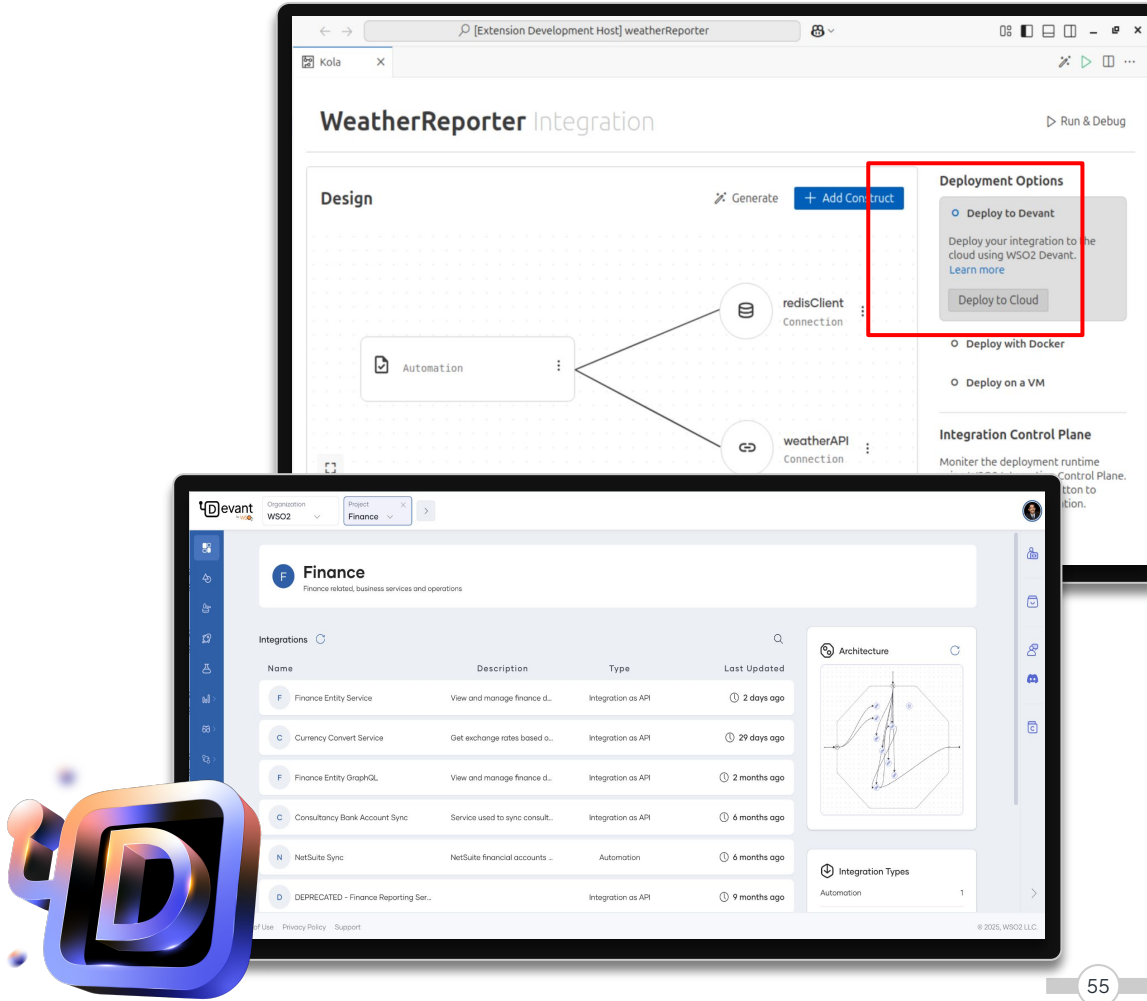
Devant by WSO2

Integration for the AI era!

AI iPaaS with an **AI-powered low-code** development experience.

First-class support to **create intelligent digital experiences using integration.**

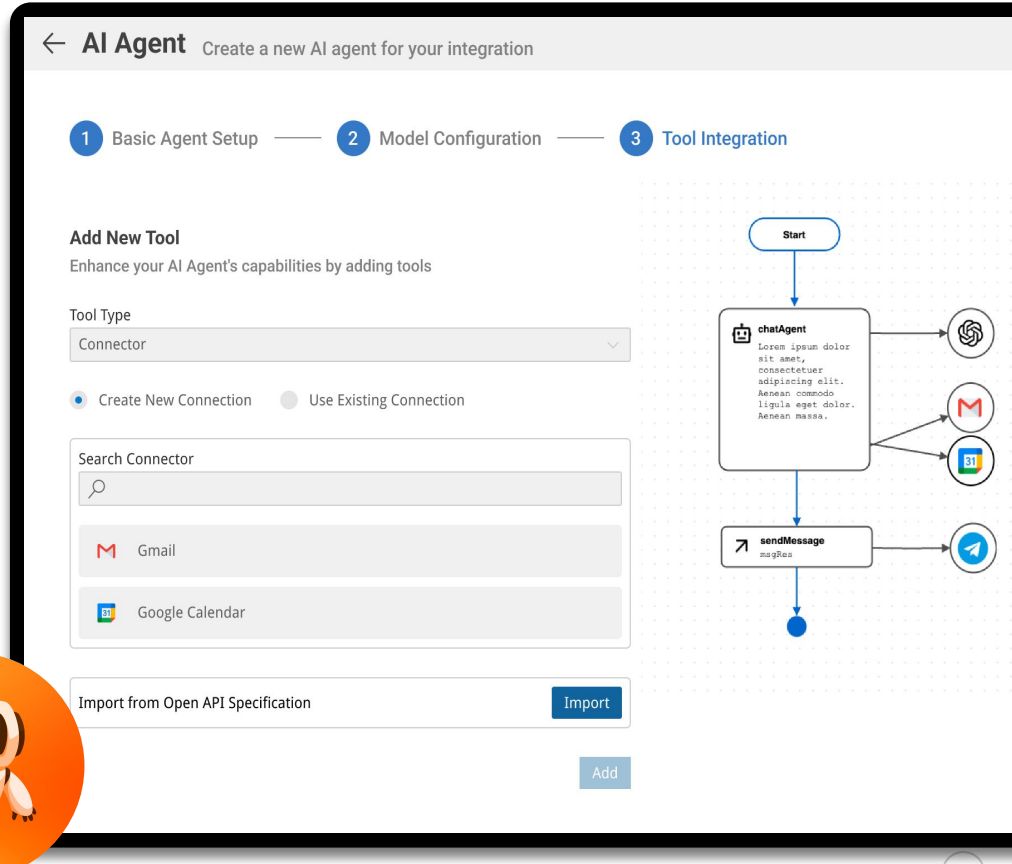
Powered by the technology that drives **Choreo** and **WSO2 Integrator.**



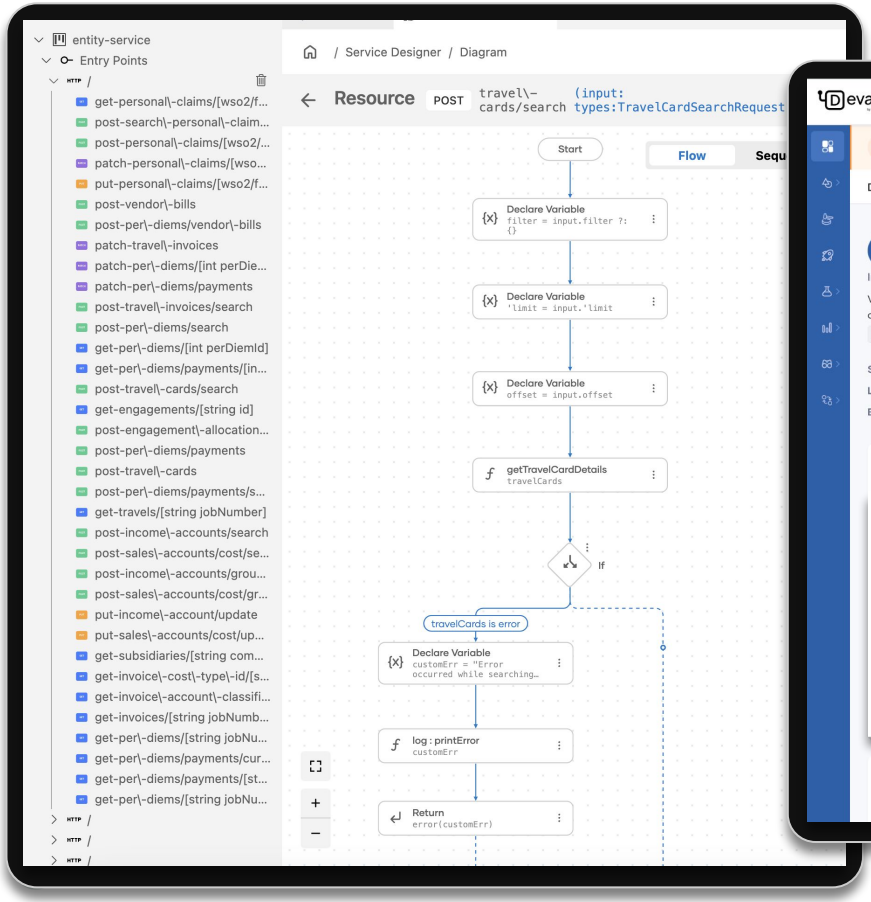
Create and manage AI Agents

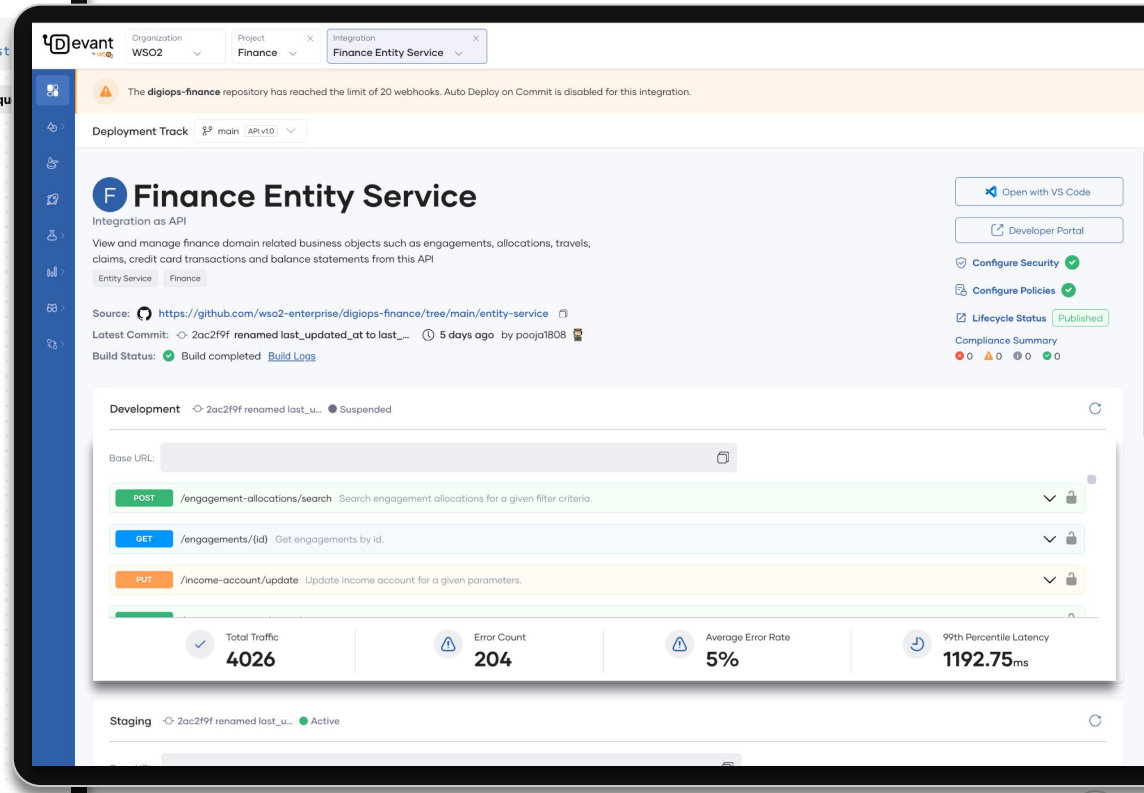
Create and manage standalone AI Agents.

Use AI Agents in the middle of integration flows, and create intelligent integrations.



Create and manage integrations as APIs

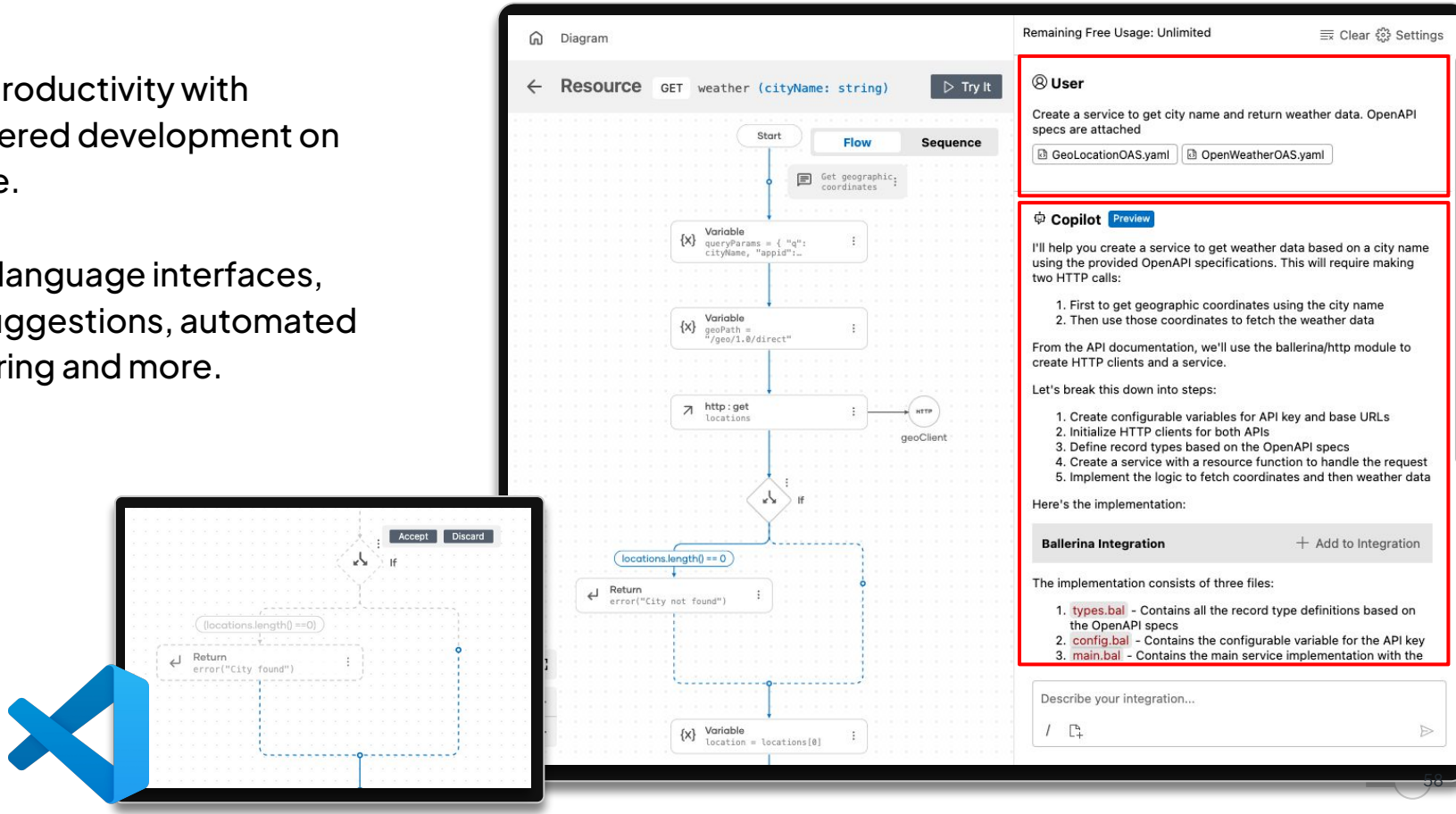




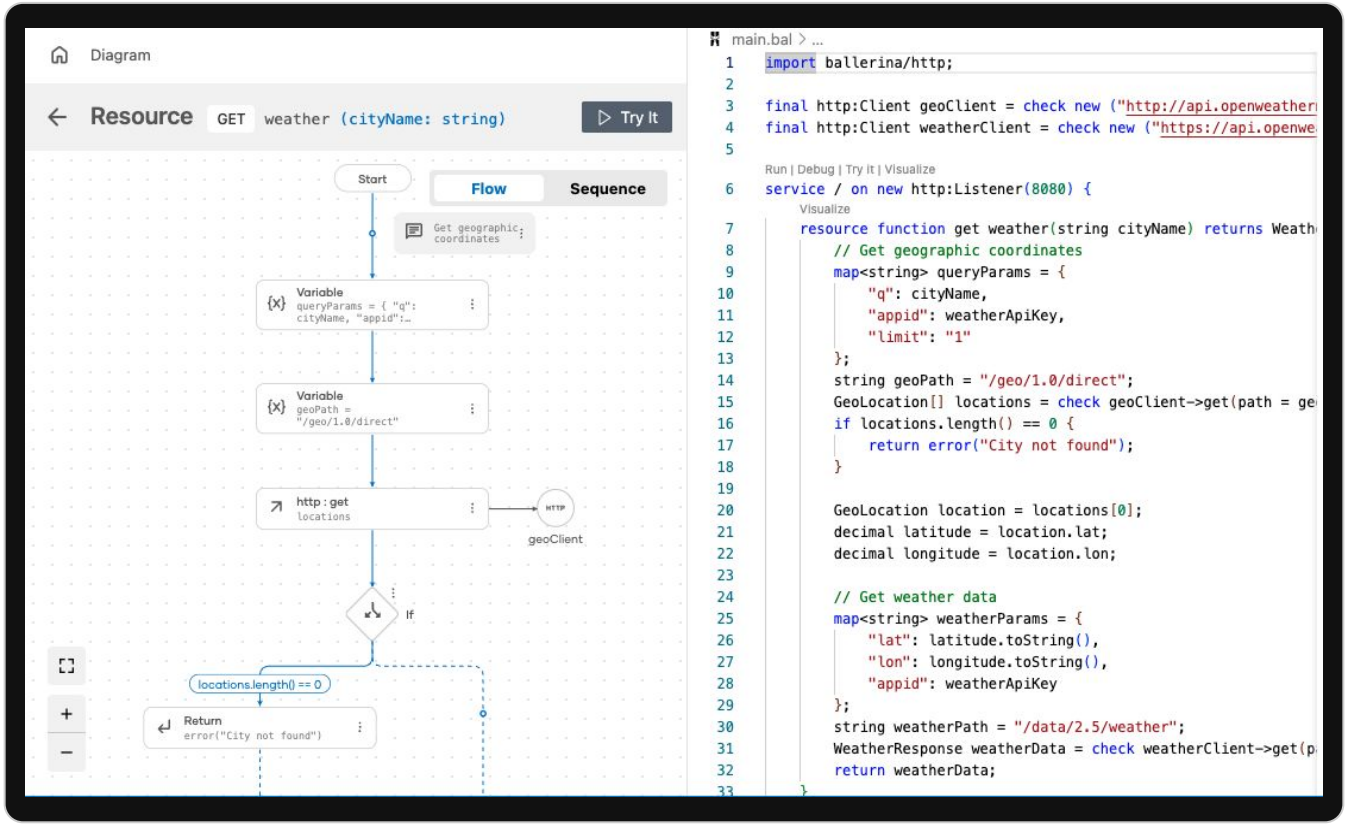
VSCode development experience – Ballerina Integrator

Boost productivity with AI-powered development on VSCode.

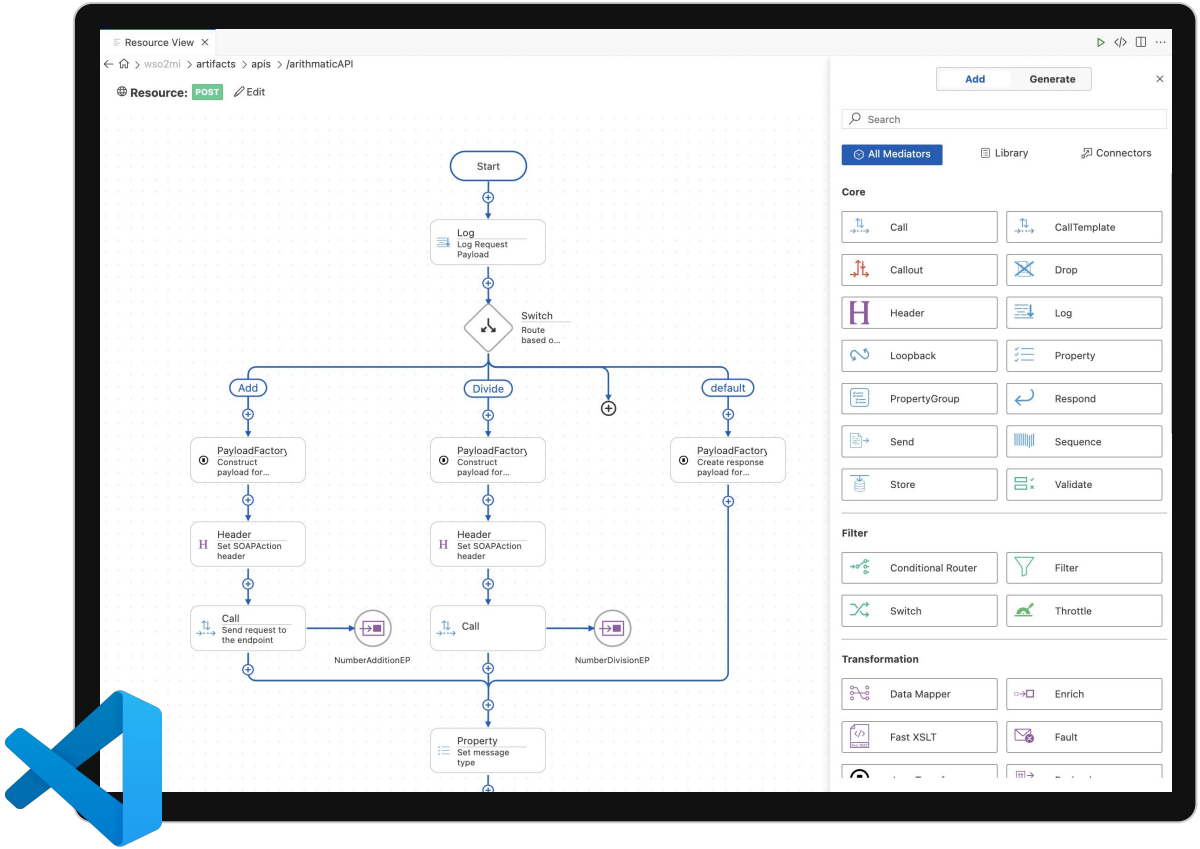
Natural language interfaces, code suggestions, automated refactoring and more.



Seamless low-code and pro-code parity



VSCode development experience – Micro Integrator





Over 30 Trillion Transactions Executed Annually.

Over 350 Customers Globally.

100 +
FINANCE AND INSURANCE COMPANIES

75 +
GOVERNMENT AGENCIES

65 +
TELCO AND TECH COMPANIES

20 +
ENERGY PROVIDERS

20 +
HEALTHCARE PROVIDERS

Learn more about integration

Stop by the O2 Bar!



Today
Tuesday, 18th March

Integration Lab

1:30pm - 5pm
Green Room

Tomorrow
Wednesday, 19th March

Integration Track

1:30pm - 5pm
Green Room

Customer Panel Discussion

4:30pm - 5pm
Green Room

Day After
Thursday, 20th March

Integration Lessons: Building Scalable Systems at Hyatt

9.30am - 10am
Blue Room

Natural Programming

11am - 11.30am

WSO2 product portfolio, the modernization toolkit

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API Management



Identity & Access Management

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Integration

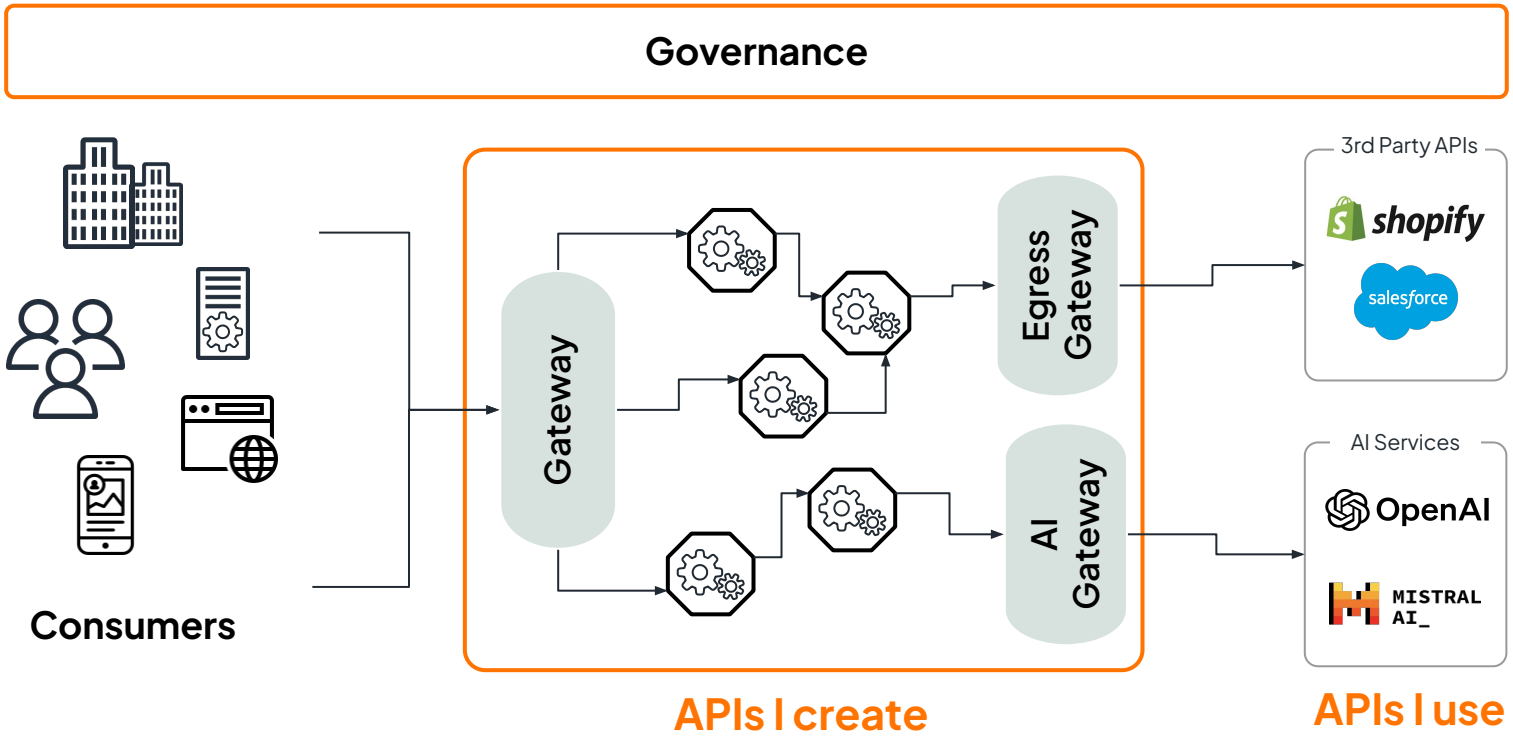
WSO2CON 2025

API Management

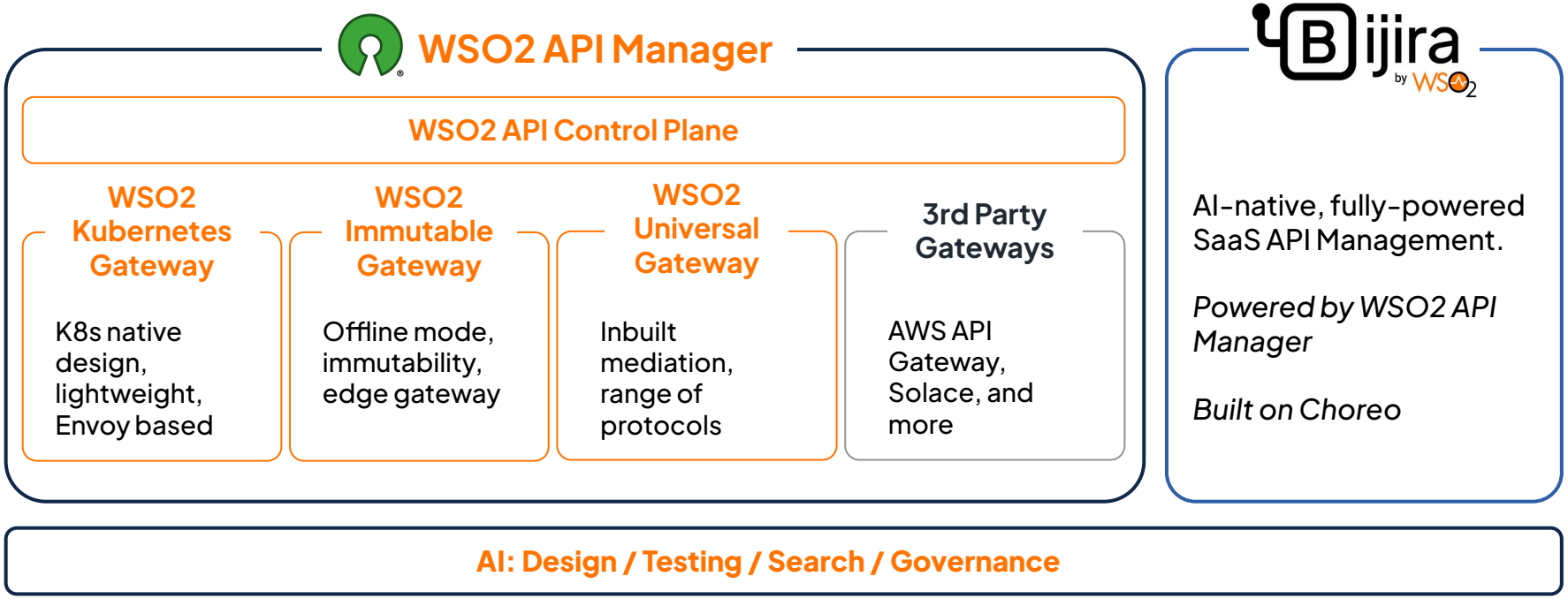


Christopher Davey
VP & GM - API Management
WSO2

We manage all digital assets you produce and consume

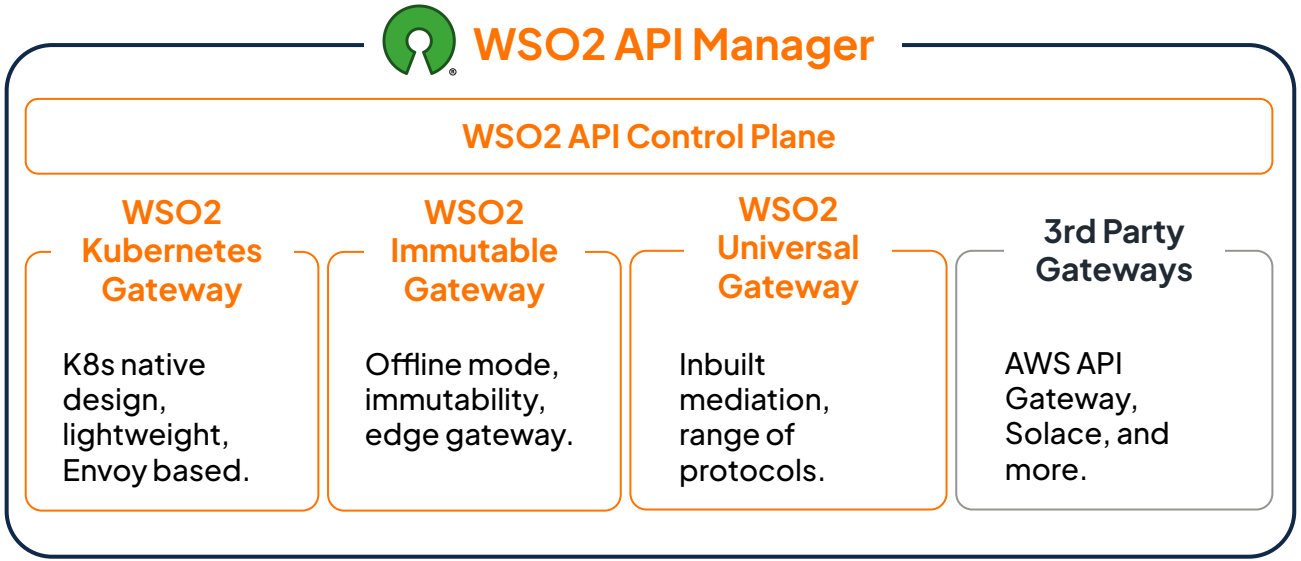


One product – open source or SaaS

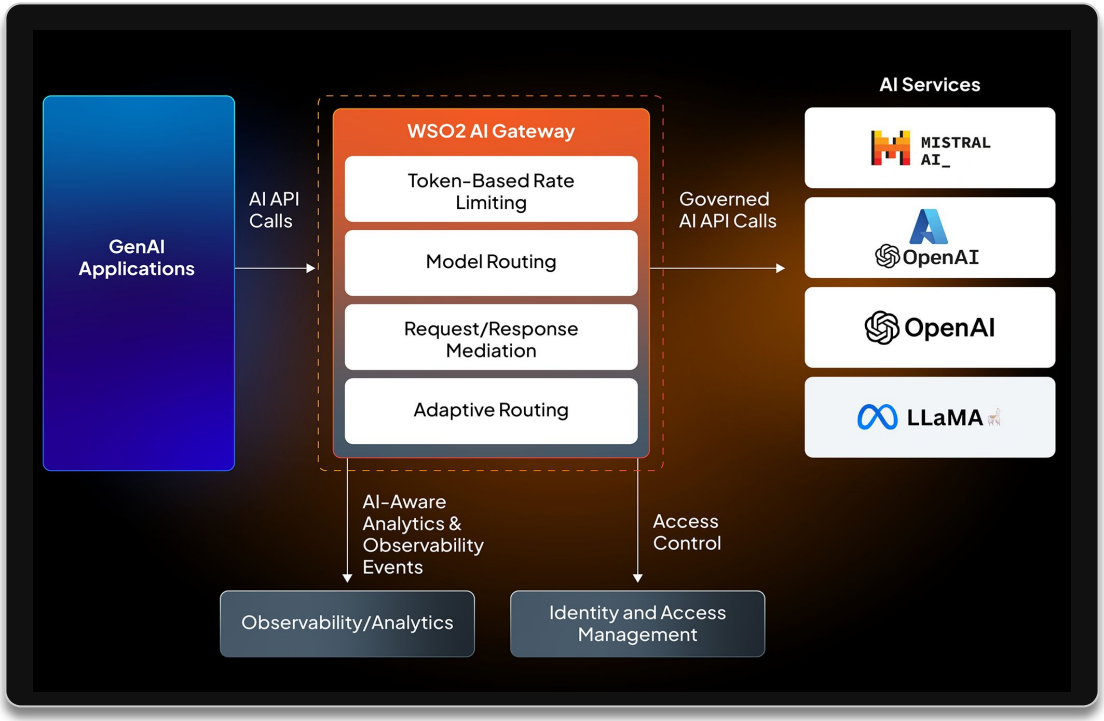


NEW RELEASE!

Governing across federated gateways



AI gateway


GenAI Applications
AI API Calls
WSO2 AI Gateway
Token-Based Rate Limiting
Model Routing
Request/Response Mediation
Adaptive Routing
Governed AI API Calls
AI Services
MISTRAL AI_
OpenAI
OpenAI
LLaMA
AI-Aware Analytics & Observability Events
Access Control
Observability/Analytics
Identity and Access Management

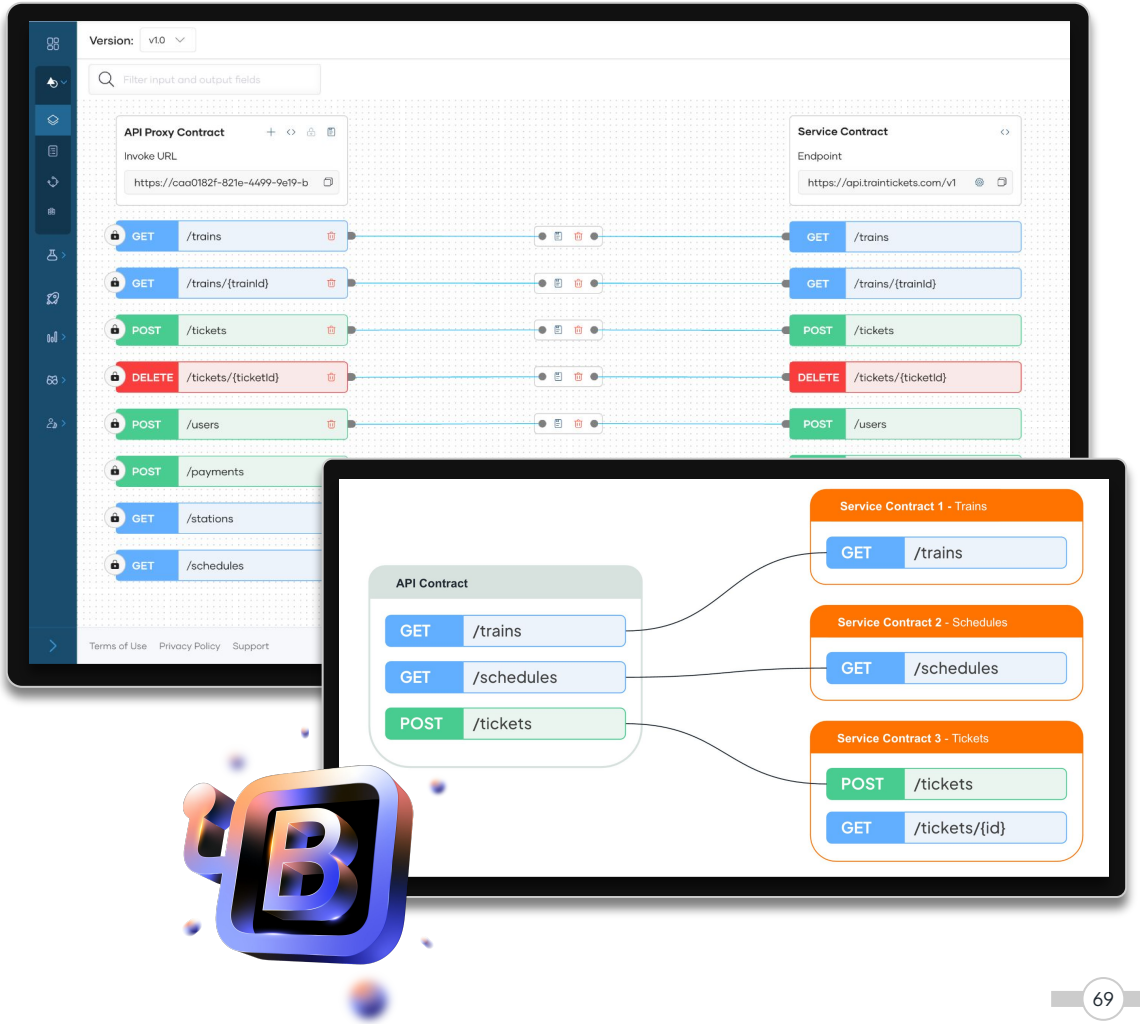
NEW RELEASE!

Bijira by WSO2

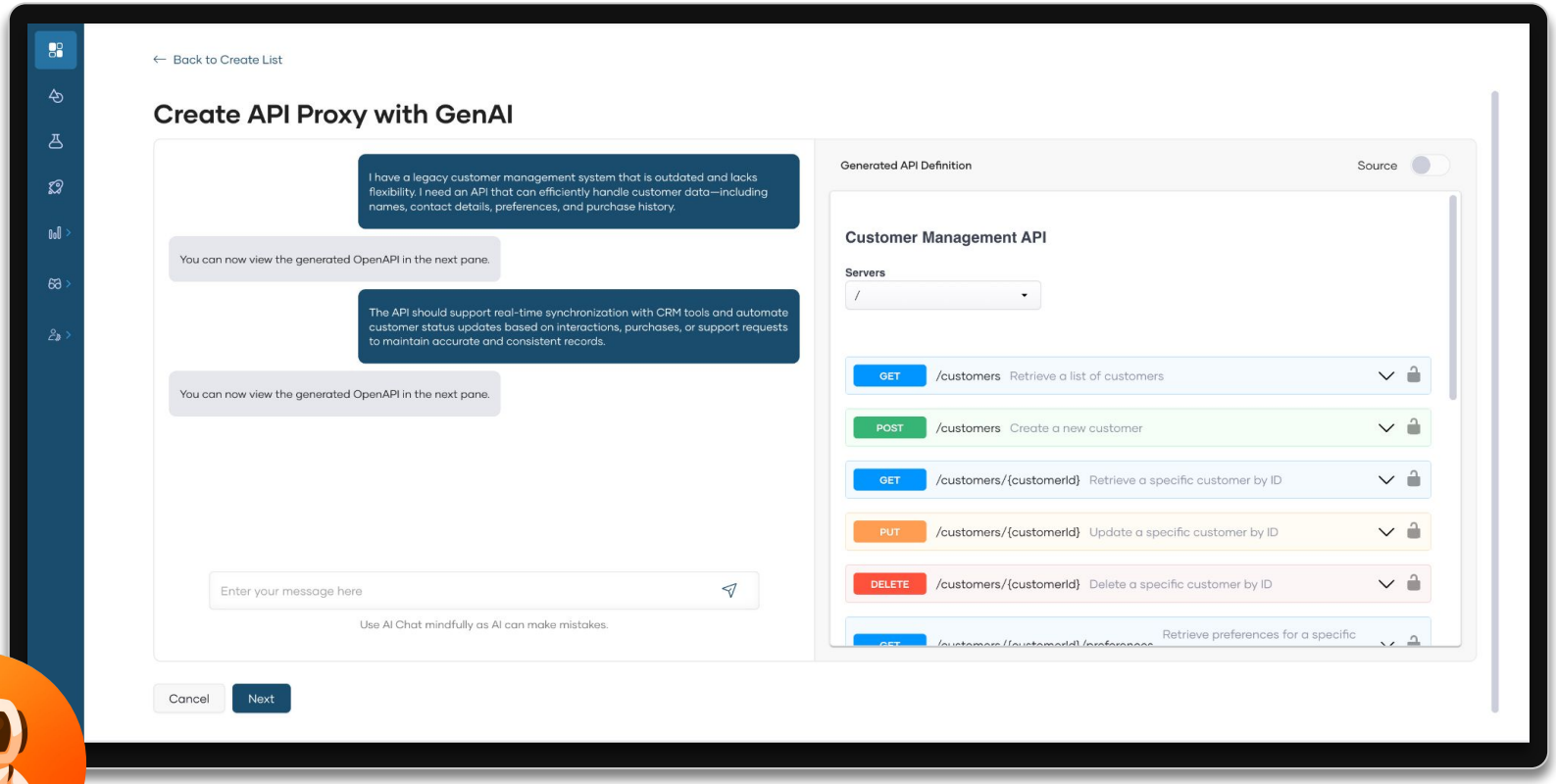
AI-native, scalable SaaS API management!

A complete, **cloud and AI-native, and scalable API management** platform

- Best-in-class UX
- Egress / ingress gateways

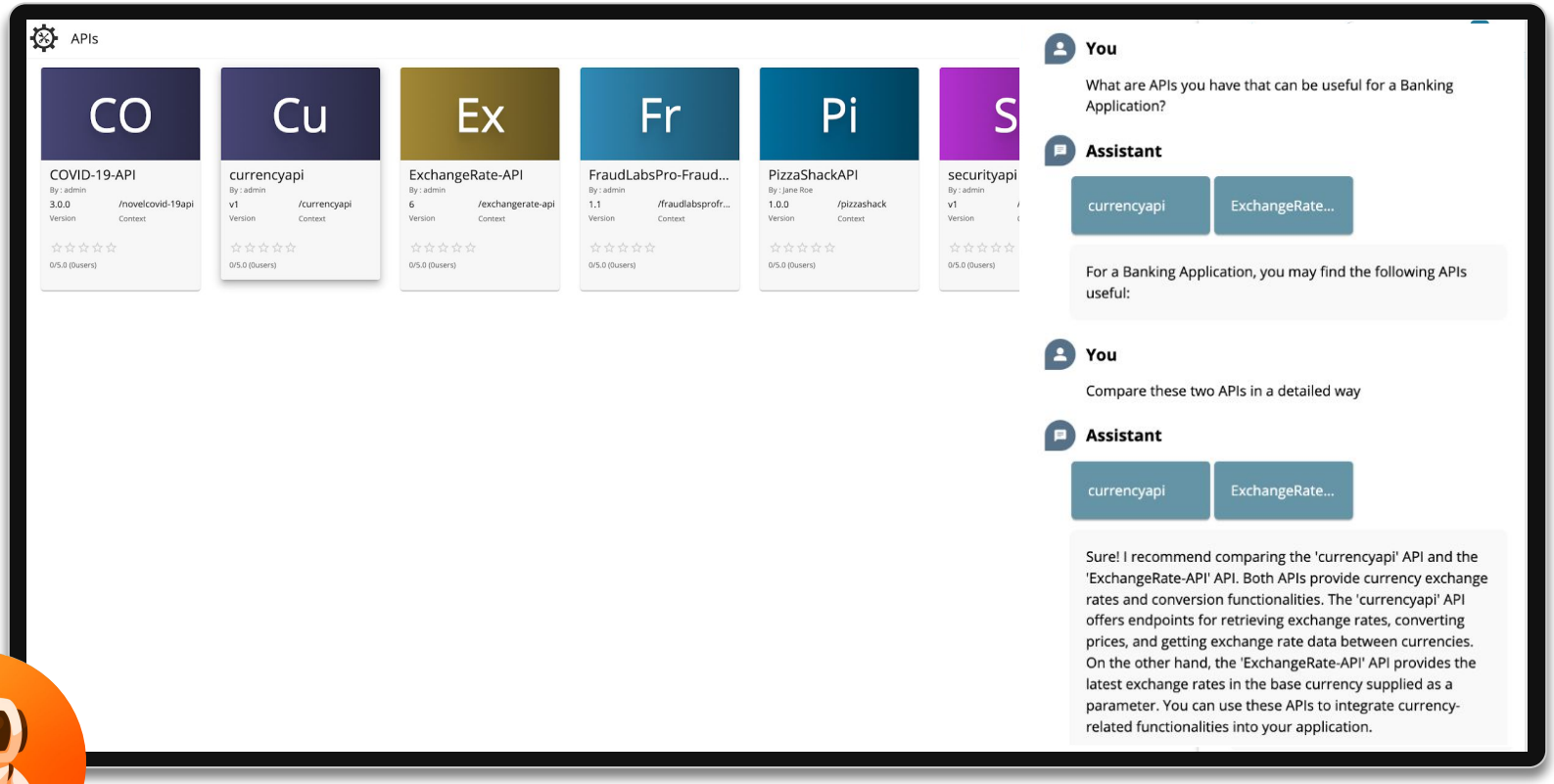


Use AI to design your APIs

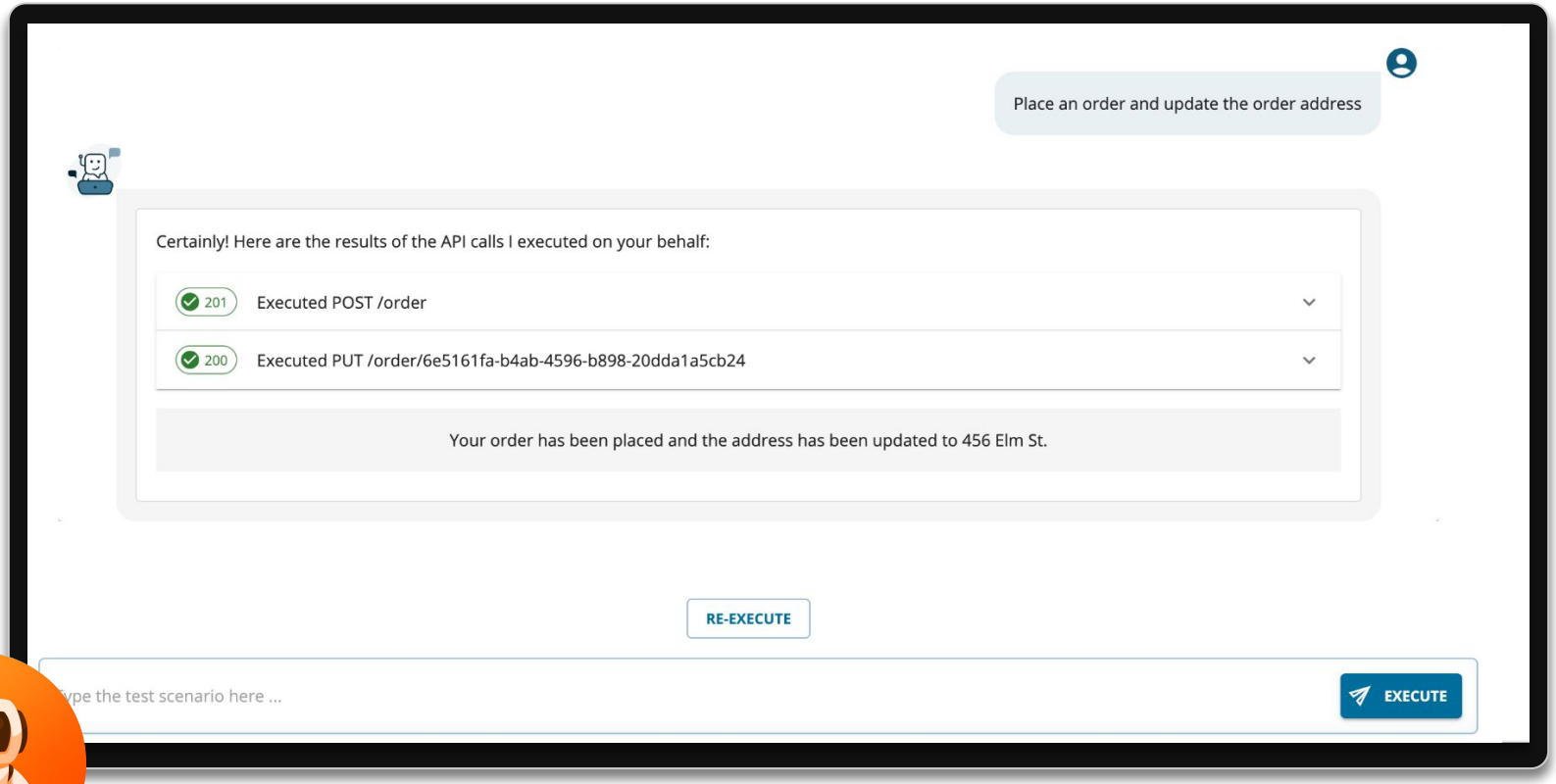




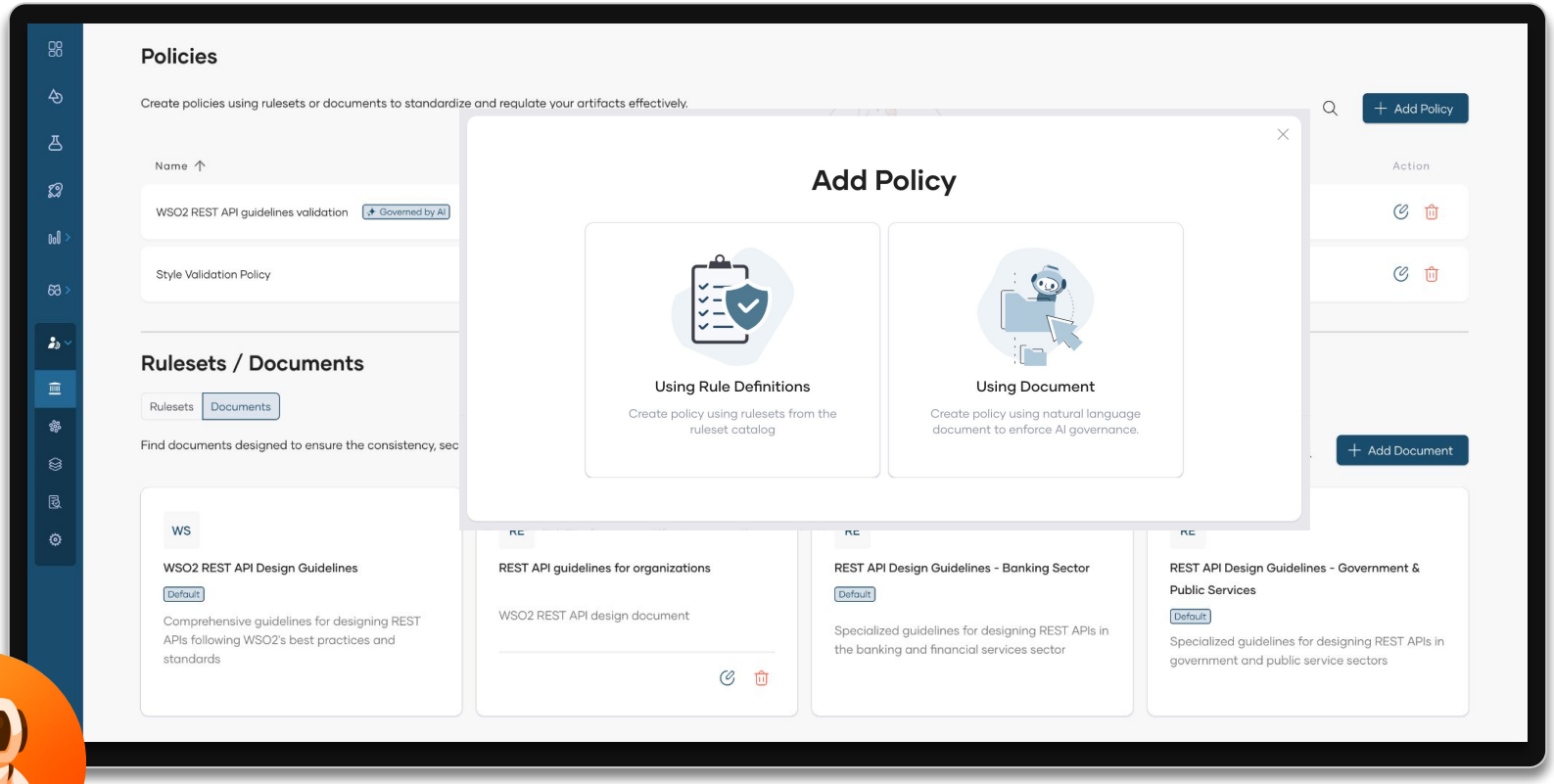
API search with AI



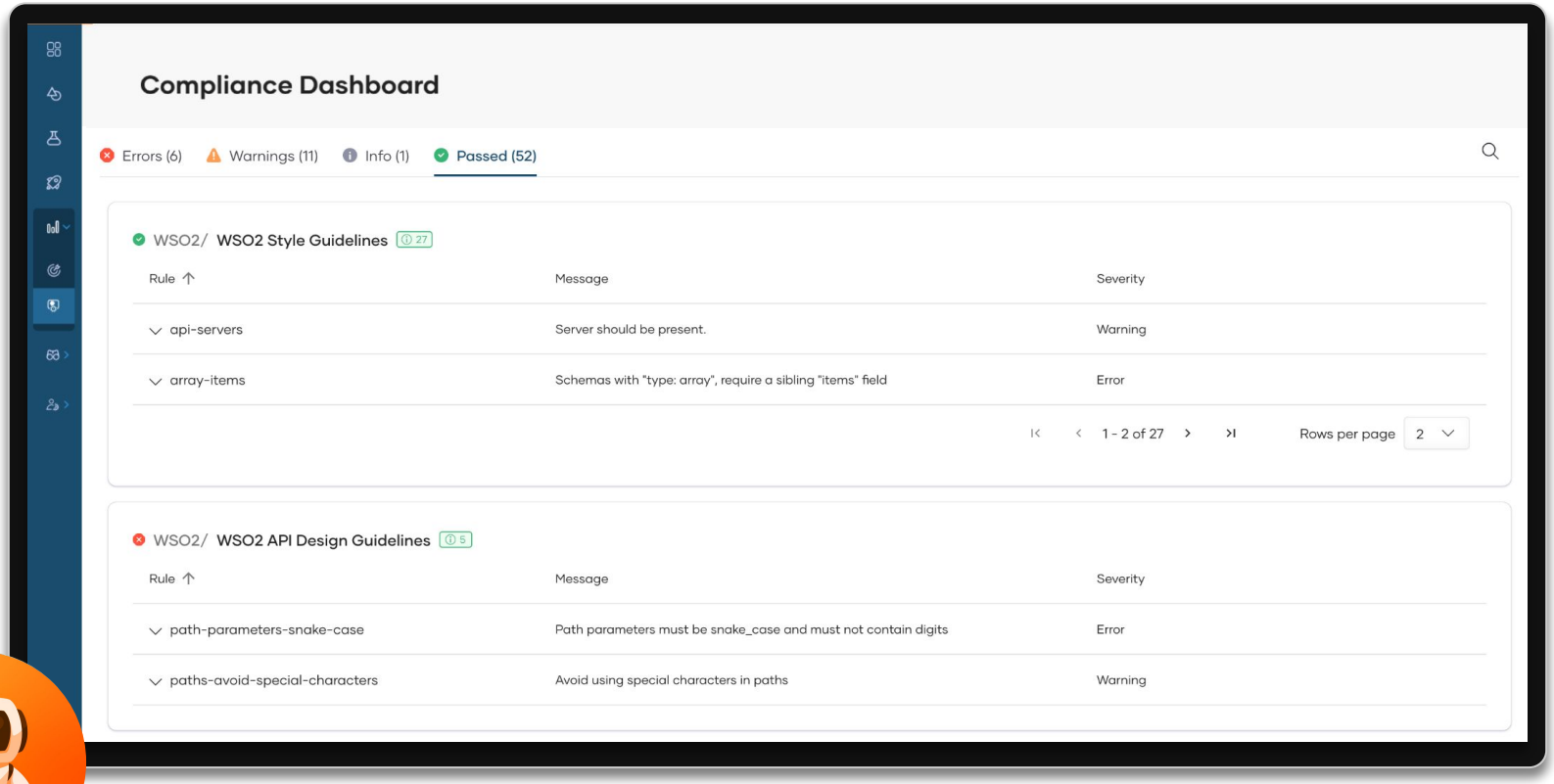
API testing with AI



Governing with AI



Governing with AI



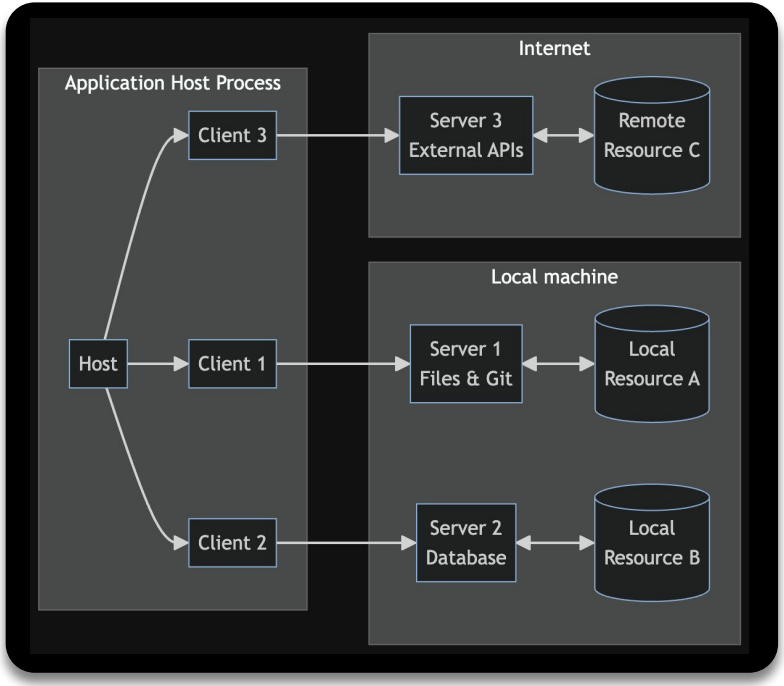
APIs enabling AI Agents—tools and MCP

Agents need tools to act ⇒ APIs!

- Enabling AI Agent builders to discover and integrate API resources as tools

MCP enablement in the gateways

- Supporting emerging standards for GenAI access to tools and data
- Easy discovery and usage of data and services for agents from the gateway





Over 50 Trillion Transactions, and 100k + APIs Globally.

500+ Customers Globally.

170 +
FINANCE AND INSURANCE COMPANIES

120 +
GOVERNMENT AGENCIES

100 +
TELCO AND TECH COMPANIES

30 +
HEALTHCARE PROVIDERS

20 +
EDUCATIONAL INSTITUTIONS

Learn more about APIM

Stop by the O2 Bar!

Today
Tuesday, 18th March

API Management Lab

1:30pm - 5pm
Red Room

Tomorrow
Wednesday, 19th March

Cultivating Modernization Through Reuse: An API First Approach
11:30 a.m.

Day After
Thursday, 20th March

API Management Track

9am - 12:30pm
Red Room

Customer Panel Discussion

12 noon - 12:30pm
Red Room

WSO2 product portfolio, the modernization toolkit

Core technology for your digital platform



API Management



Identity & Access Management

Your digital platform as a service



Internal Developer Platform as a Service

The integration engine for your business



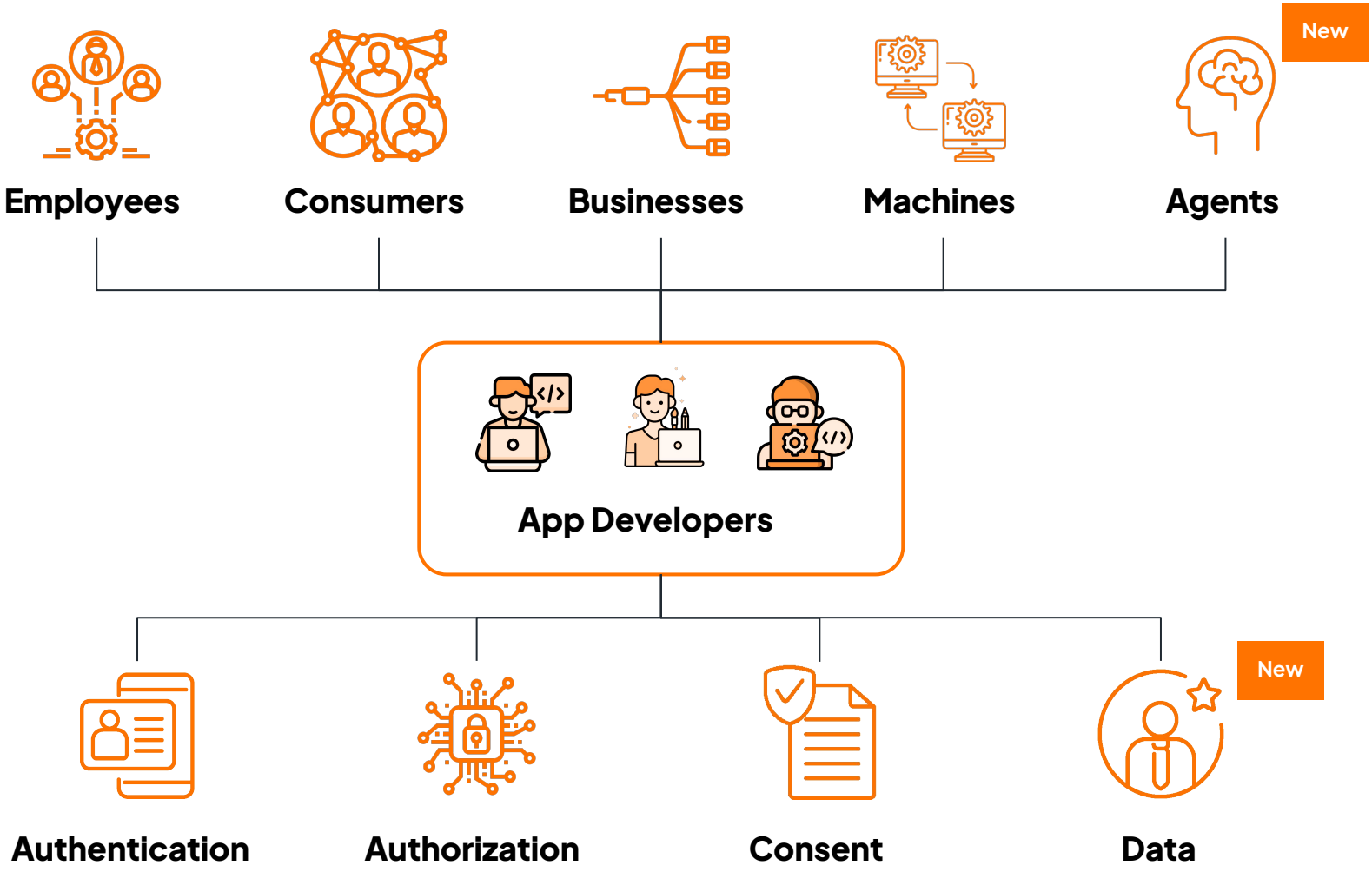
Integration

WSO2CON 2025

Identity & Access Management



Geethika Cooray
VP & GM - IAM
WSO2


New
Employees
Consumers
Businesses
Machines
Agents
App Developers
New
Authentication
Authorization
Consent
Data

A single code-base, multiple deployment options



WSO2 Identity Server

The Leading Open Source IAM

Identity Server is a powerful, modern and highly extensible identity and access management solution for your on-premises or cloud environment

ASGARDEO By WSO2

Multi-tenant SaaS IAM

Asgardeo is an AI-powered and developer-focused multi-tenant IDaaS solution that provides seamless, secure authentication and user management

Powered by WSO2 Identity Server

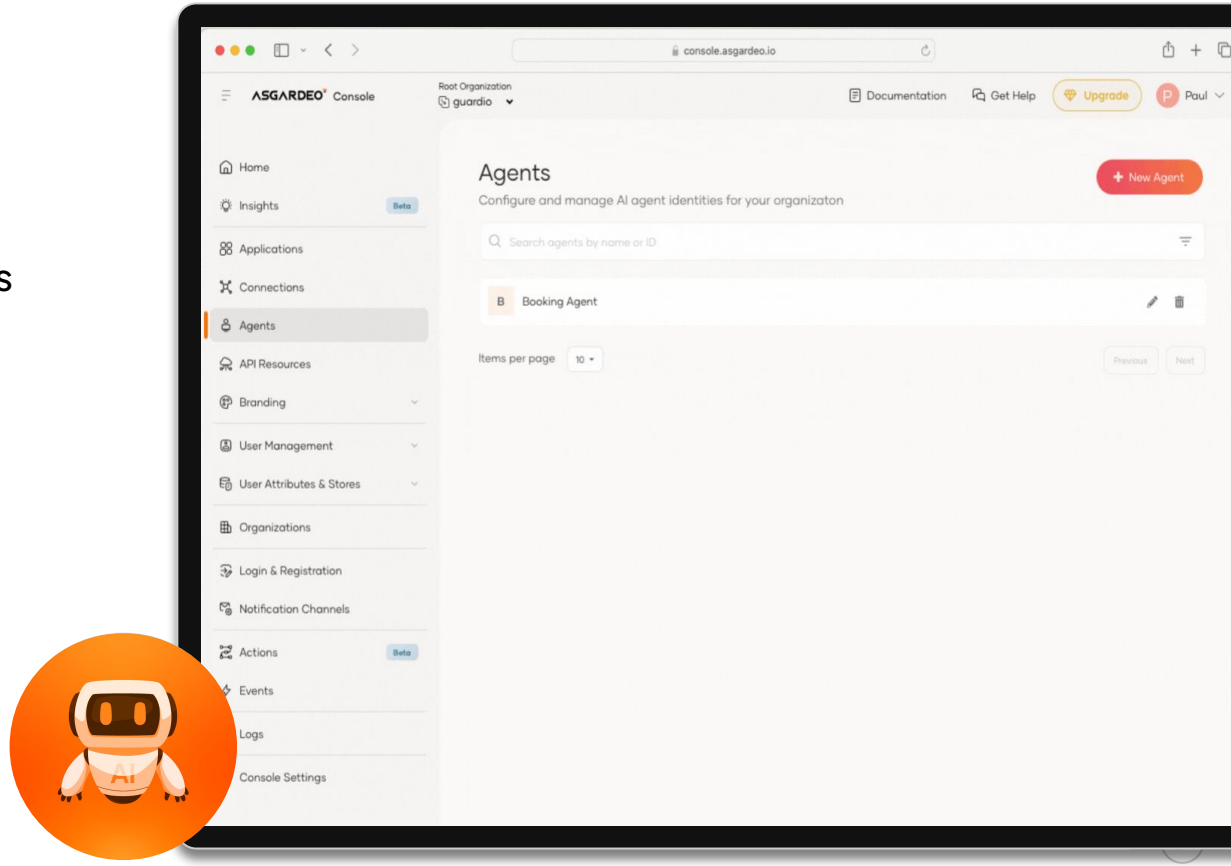
Agent IAM

Treat Agents as first-class

Configure security credentials

Allow for inheriting permissions

Audit security access



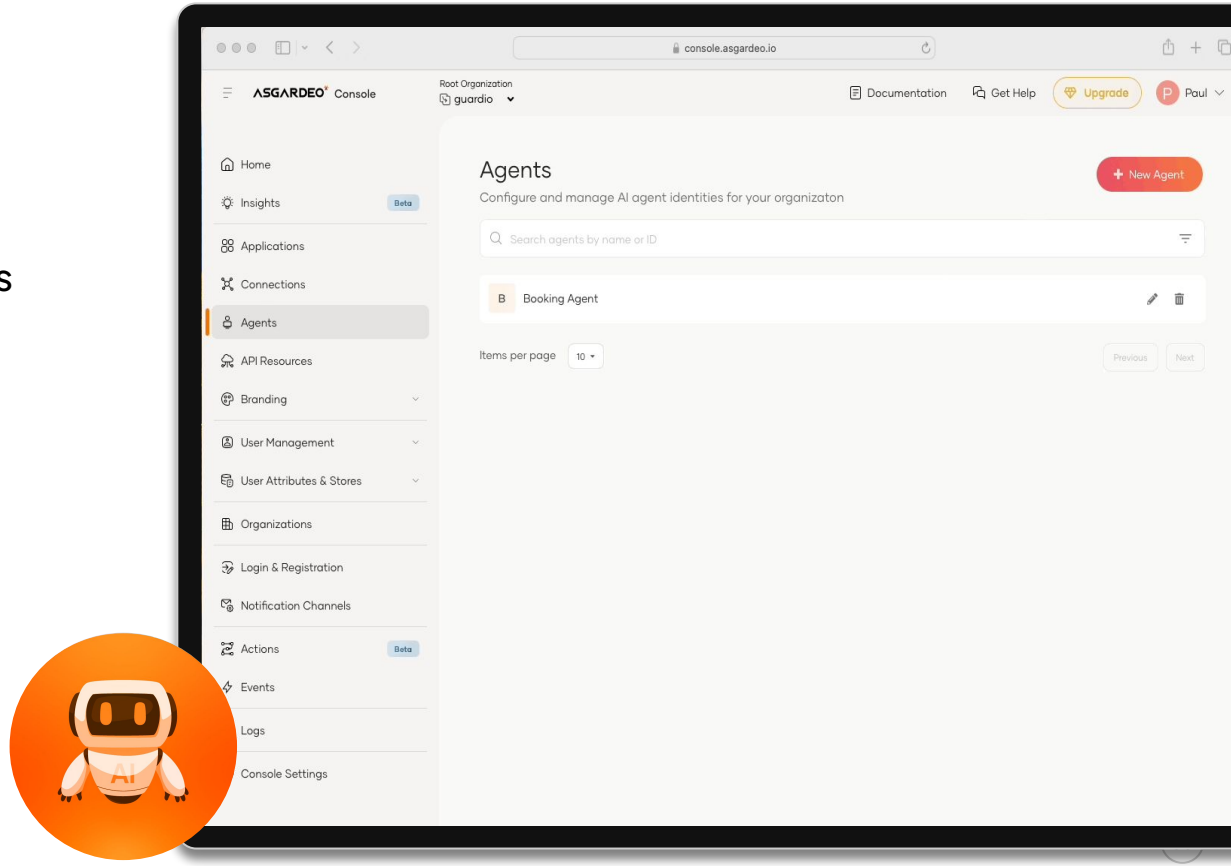
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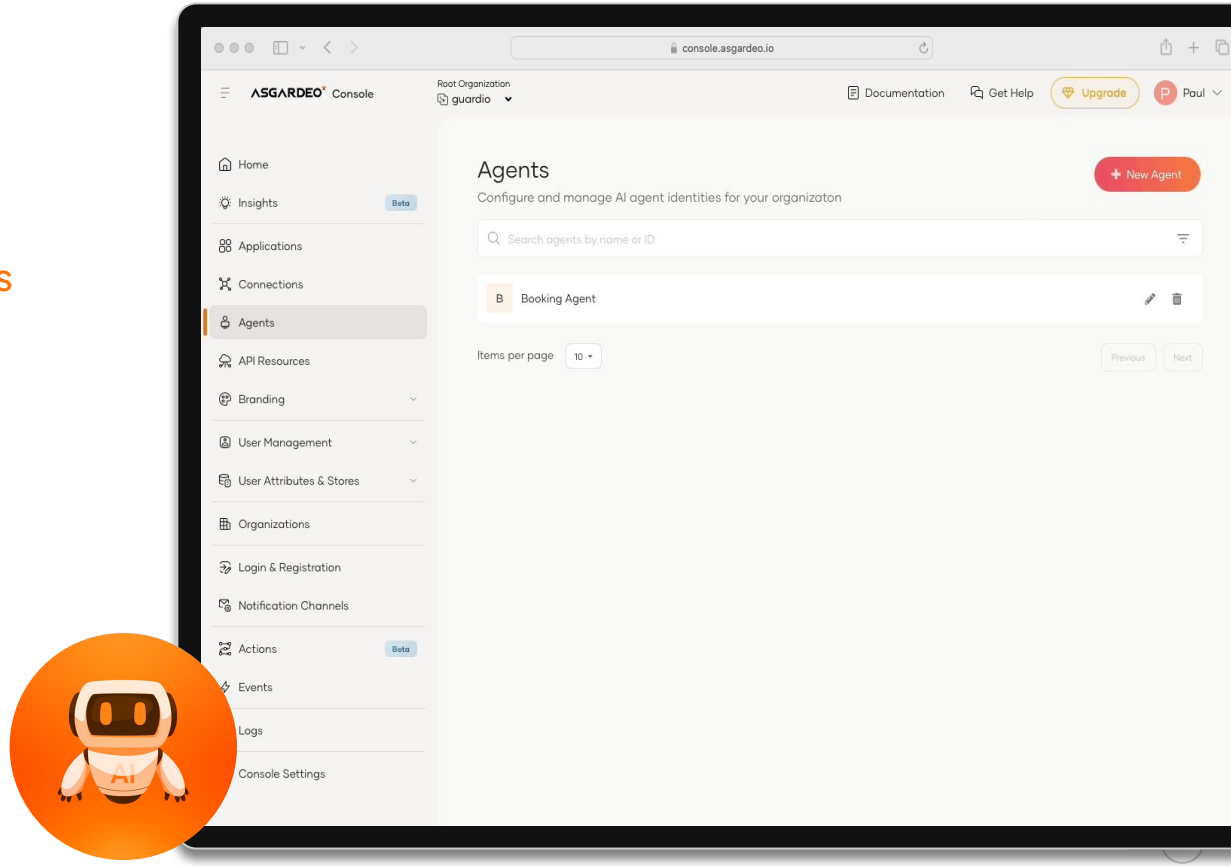
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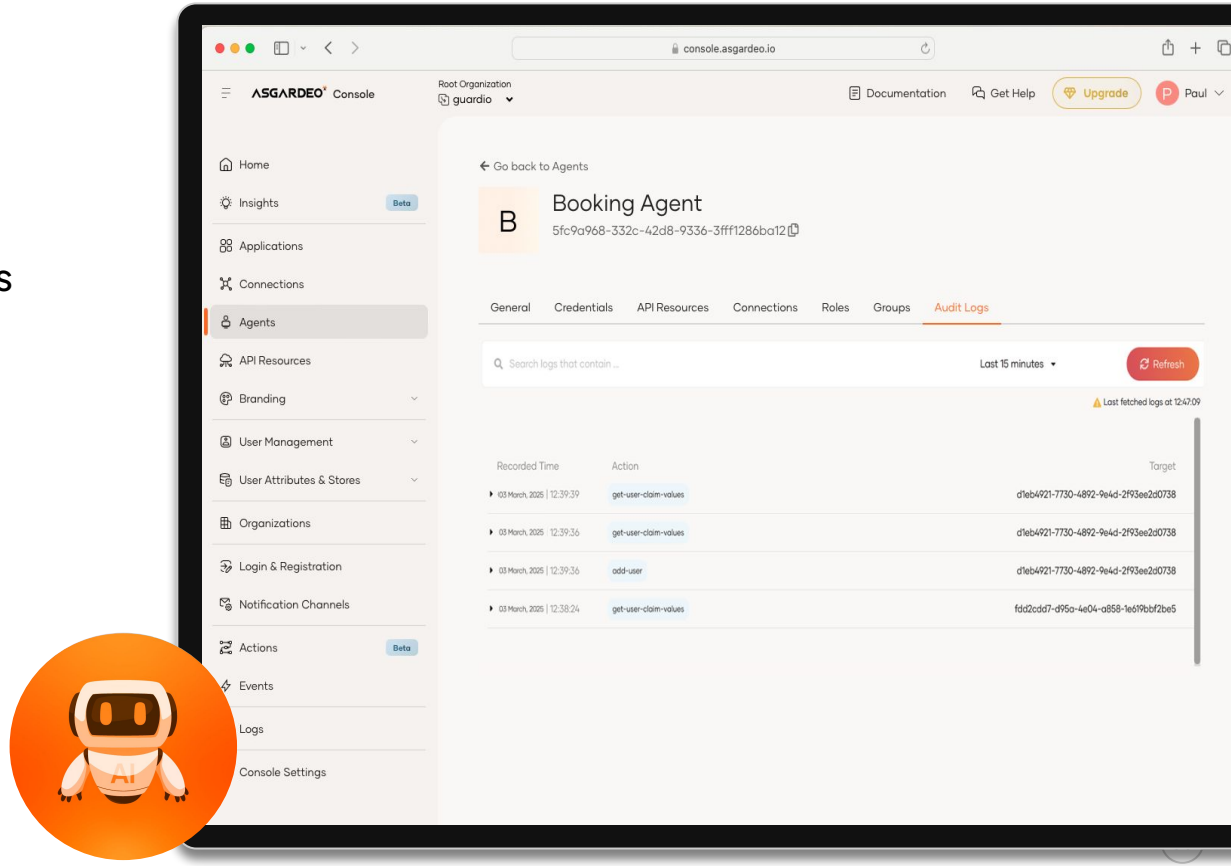
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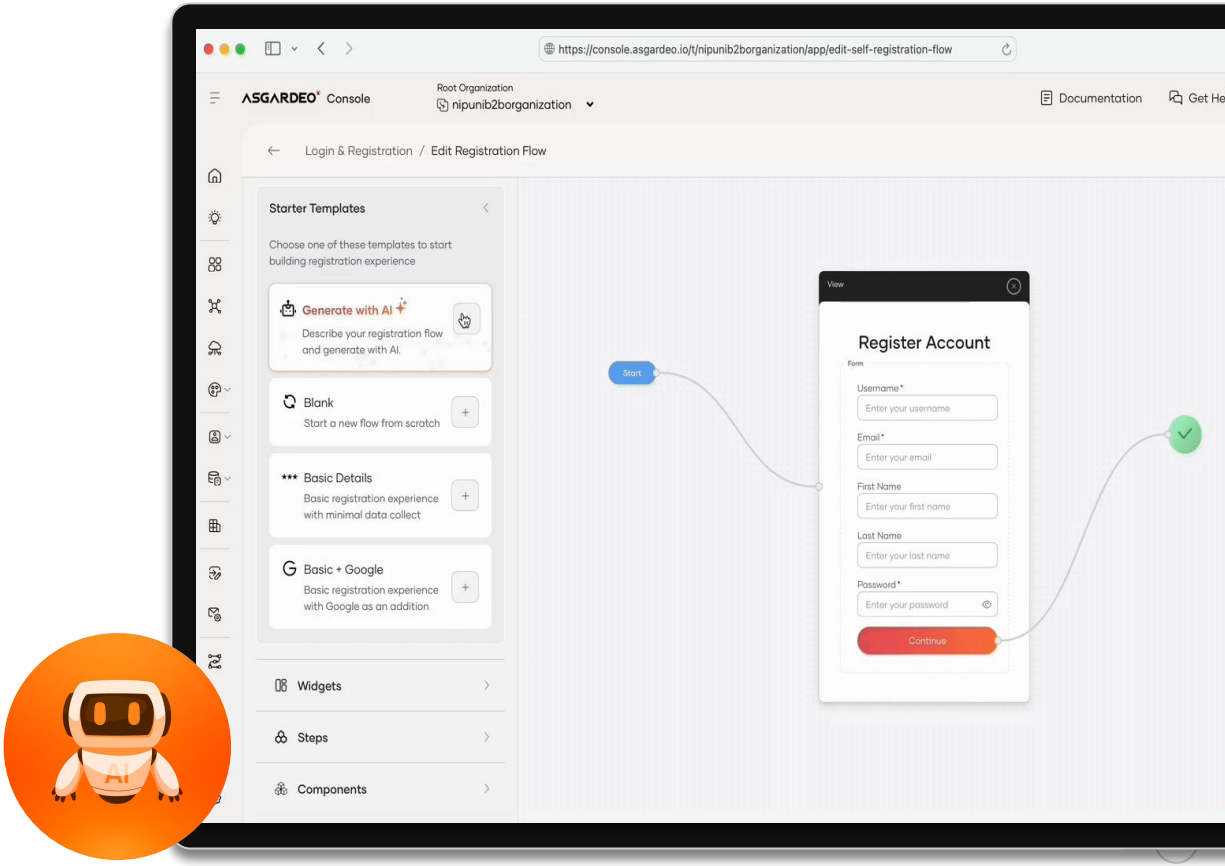
Allow for inheriting permissions

Audit security access



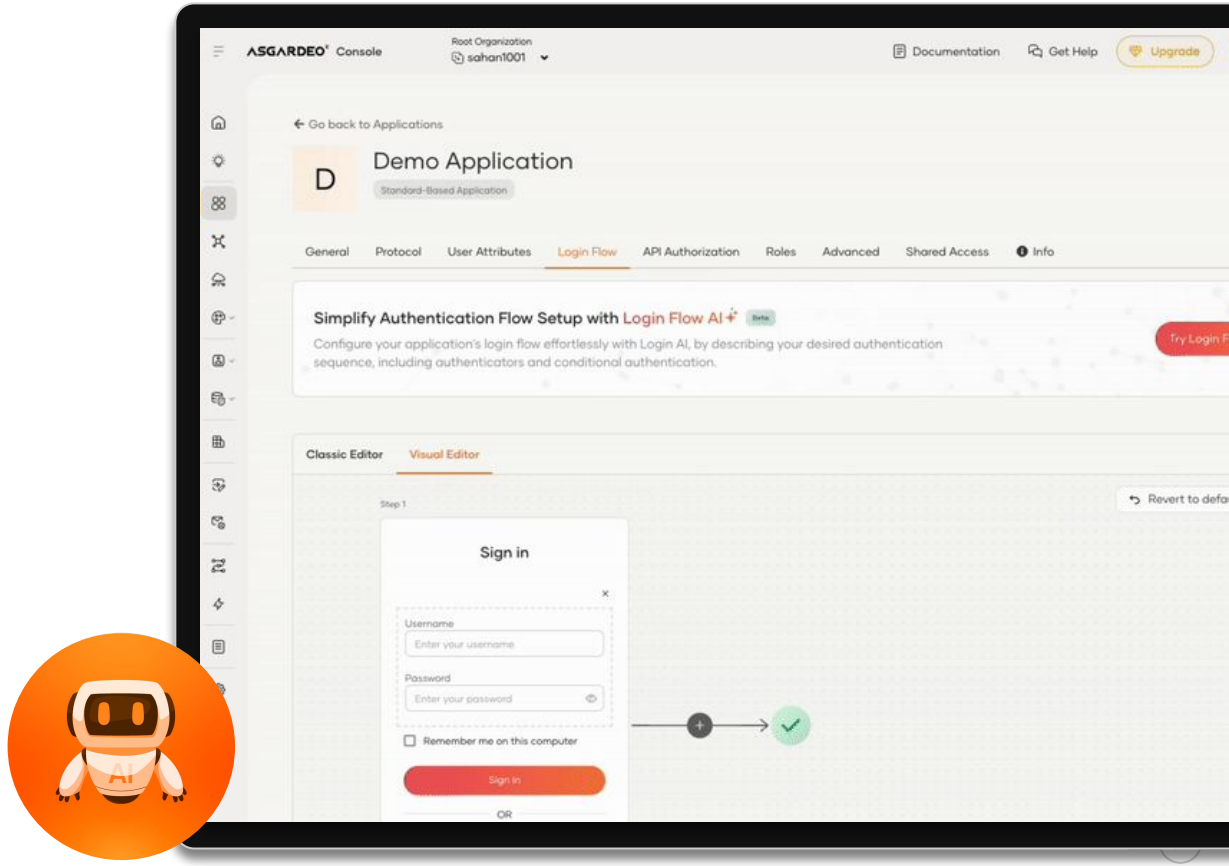
AI-powered registration flow builder

Use natural language to describe the ideal registration flow and have AI generate the flow for you.



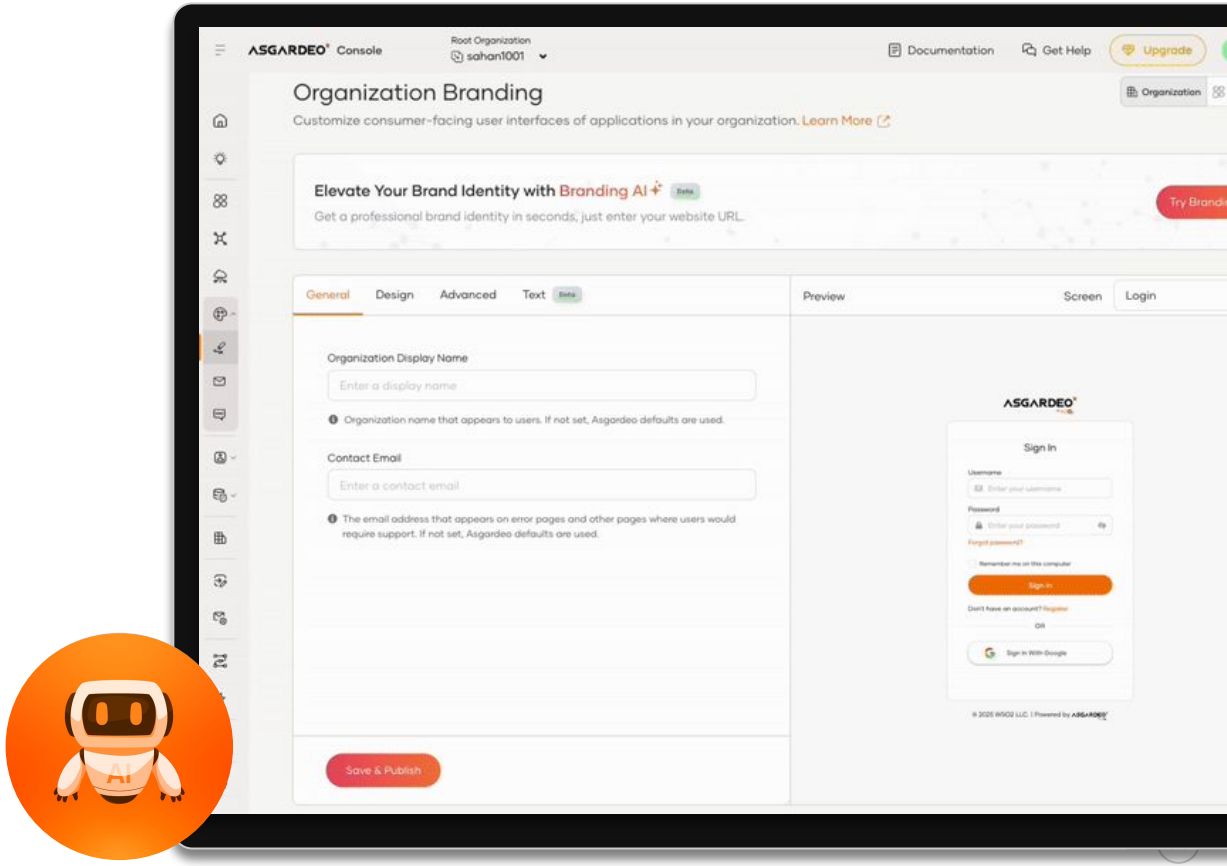
AI-powered login flow builder

Use natural language to describe the ideal login flow, and have Asgardeo AI generate it for you.



AI-powered branding

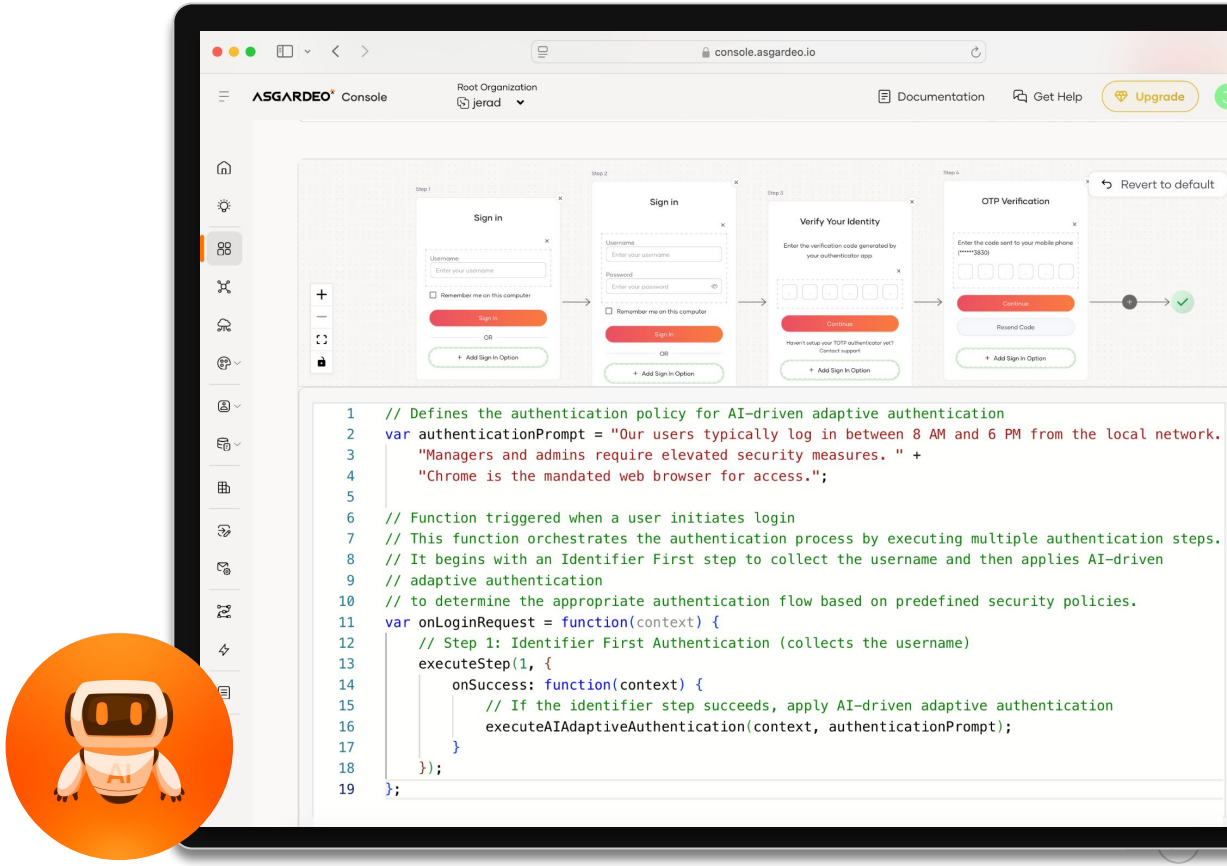
Add your web URL and have Asgardeo AI brand your login page, TOTP and other related pages, including email templates.



AI-powered adaptive authentication

Use natural language to define the parameters that need to be fulfilled for a login flow to be completed.

Asgardeo AI will dynamically build the login flows to meet these predefined parameters as a user logs in.



Managing customer data to facilitate personalization

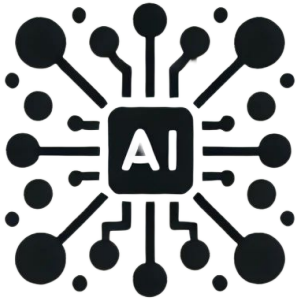


Identity **Digital Double** **Customer Data**



Digital Double

+



Artificial Intelligence

=

Intelligent
Personalization



Over 1 Billion Managed Identities Across 1500+ Commercial Deployments Globally.

30 +
FINANCE AND INSURANCE COMPANIES

70 +
GOVERNMENT AGENCIES

10 +
TELCO AND TECH COMPANIES

700 +
HEALTHCARE PROVIDERS

20 +
EDUCATIONAL INSTITUTIONS

Learn more about IAM

Stop by the O2 Bar!



Today
Tuesday, 18th March

Identity and Access Management Labs

1:30pm - 5pm
Blue Room

Tomorrow
Wednesday, 19th March

Identity and Access Management Track

1:30pm - 5pm
Red Room

Customer Panel Discussion

4:30pm - 5pm
Red Room

WSO2 product portfolio, the modernization toolkit

Core technology for your digital platform



API Management



Identity & Access Management

Your digital platform as a service



Internal Developer Platform as a Service

The integration engine for your business



Integration

WSO2CON 2025

Choreo



Kanchana Wickremasinghe
VP & GM - Choreo
WSO2

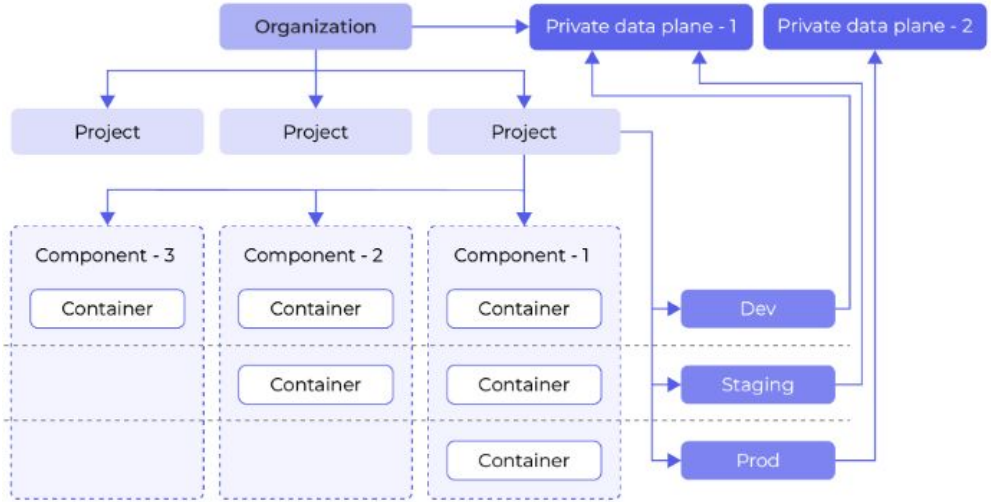
Internal Developer Platform as a Service

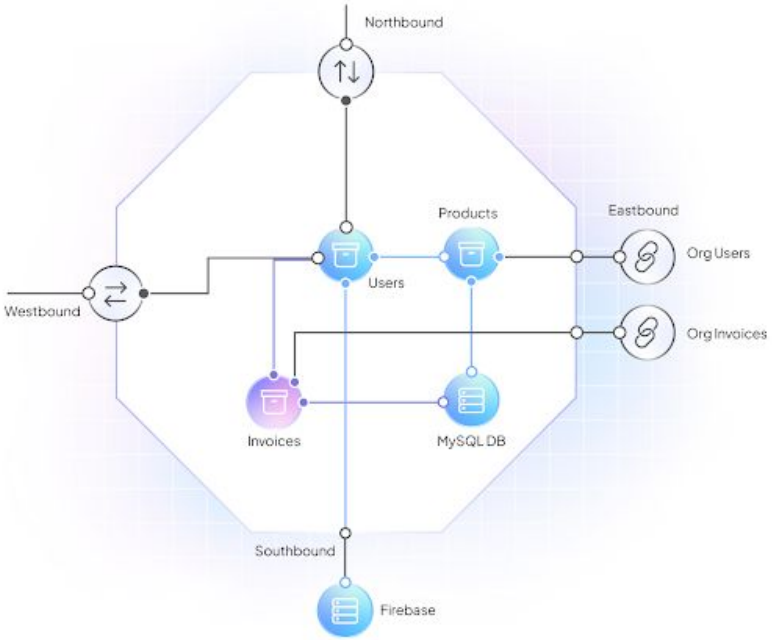


Working with Choreo to build and run your own platform

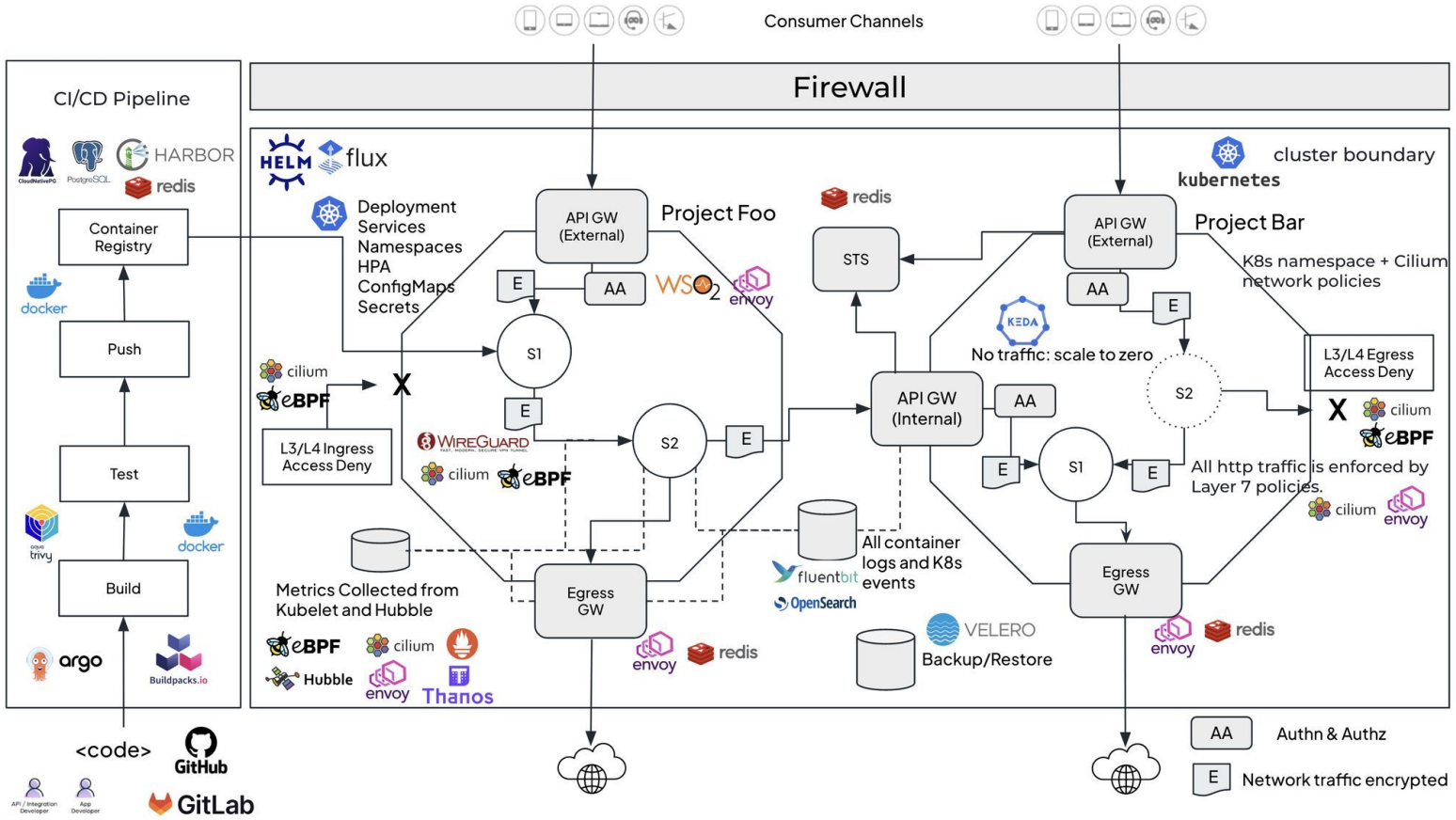


Choreo abstractions remove complexity

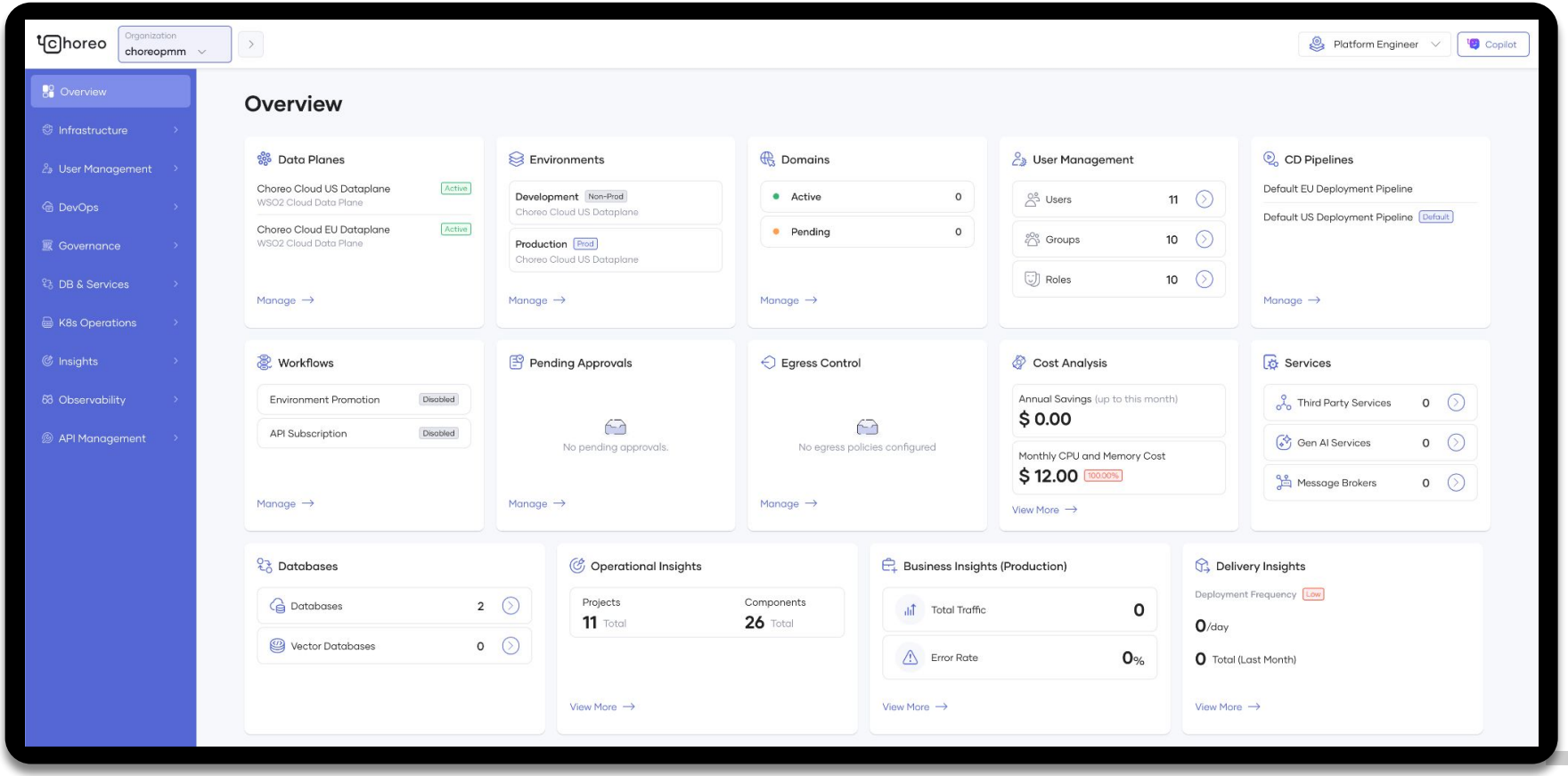




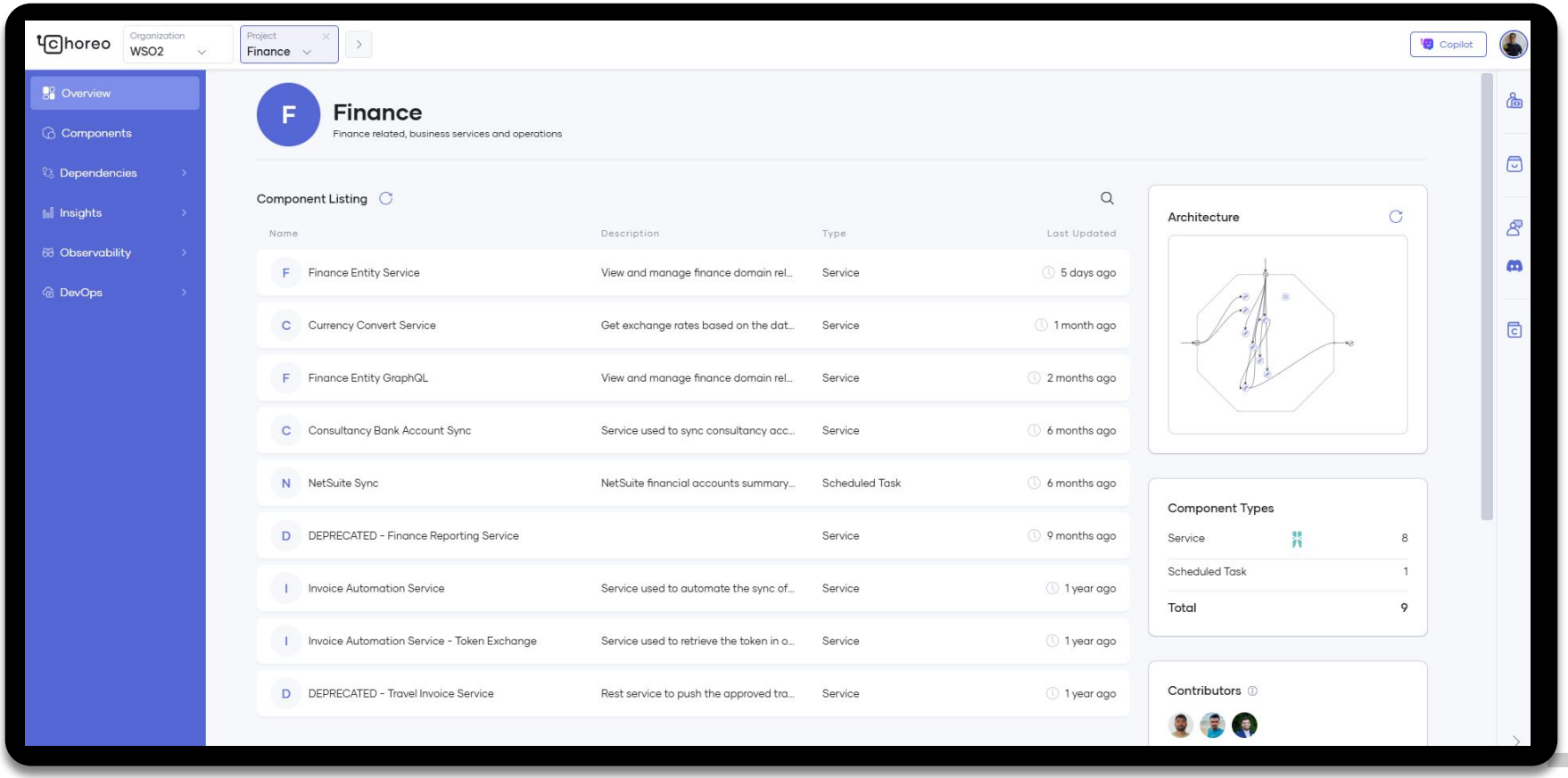
Under the hood



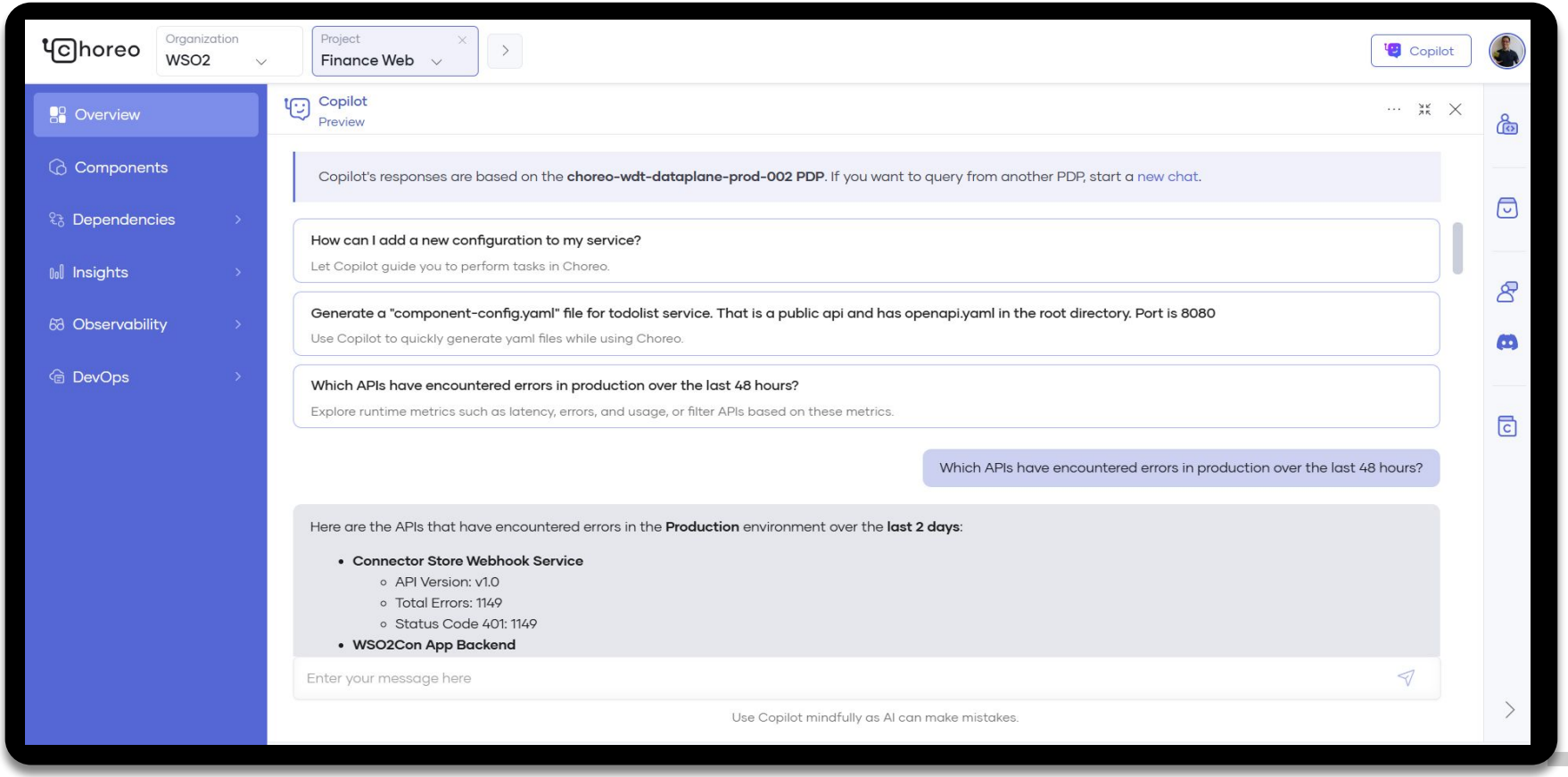
Platform Engineers can build their own platform



Software engineers create awesome digital experiences

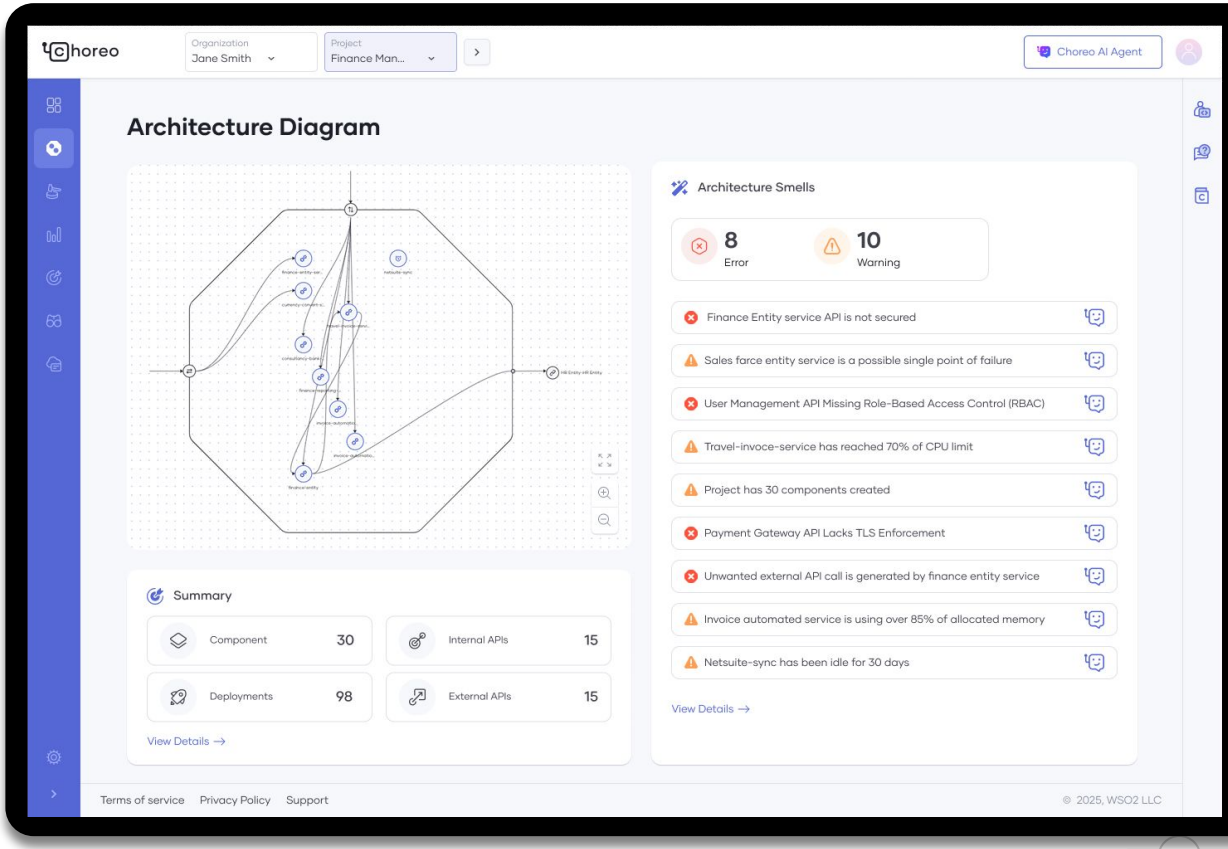


Choreo Copilot

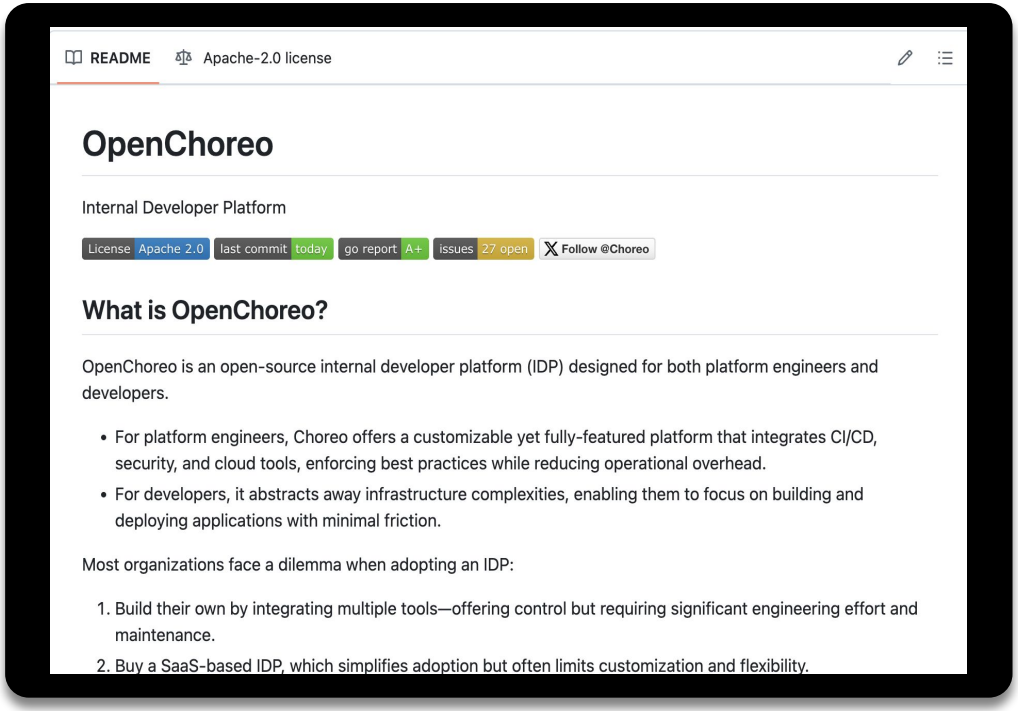


Choreo will be your Chief [X] Agent

- Chief Architect
- Chief QA Agent
- Chief Security Agent
- ...
- Chief [X] Agent



Choreo is going open source!



https://github.com/choreo-idp/choreo



Over 5 Billion Transactions Executed Annually.

Over 60 Customers Globally.

30k+	25k+	450k +
USER	COMPONENTS	DEPLOYMENTS

Learn more about Choreo

Stop by the O2 Bar!



Day 1
Tuesday, 18th March

Internal Developer Platform Lab

1:30pm - 5pm
Yellow Room

Day 2
Wednesday, 19th March

Platformless for the People by Martin Jones

2pm - 2:30pm
Blue Room

Day 3
Thursday, 20th March

Internal Developer Platform Track

9am - 12:30pm
Yellow Room

Customer Panel Discussion

12 noon - 12:30pm
Yellow Room

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Integration

Developer love: Tomorrow at 9:30am

Streamlining the Developer's Workflow: Reducing Friction, Boosting Impact

Developers today are stretched thin. Between managing complex architectures, integrating security and compliance requirements, keeping up with evolving technologies, and meeting business demands, their workflow is often riddled with friction. The result? Stress, inefficiencies, and a struggle to focus on what they do best: building great software.

In this keynote, we'll explore the key blockers that hinder developer productivity, from tool sprawl and cognitive overload to inefficient processes and lack of autonomy. More importantly, we'll discuss how enterprises can show empathy, not just in words but through meaningful action—by simplifying development workflows, automating repetitive tasks, and enabling seamless collaboration.

At WSO2, we are committed to reducing this friction. Our solutions are designed to help developers move faster without compromising security or compliance. By providing developer-friendly tools as well as a platform that eliminates unnecessary complexity, we enable teams to focus on innovation instead of fighting through bottlenecks.

A developer-first approach—backed by the right technology—can help organizations unlock efficiency, improve retention, and empower their teams to do their best work.



Isabelle Mauny
Chief Developer Advocate

Going vertical: Tomorrow at 10am

Vertical thinking in a Horizontal world - Architecting Vertical Solutions for Modernization

Modernization isn't one-size-fits-all—each industry faces unique challenges, from regulatory compliance and security to scalability and interoperability. A standard-driven, architecture-led approach ensures modernization aligns with industry needs while staying adaptable for future growth.

This session explores how architecture-driven modernization, industry accelerators, and AI-powered automation help organizations streamline transformation, improve decision-making, and meet evolving business and regulatory demands. Using examples from healthcare, BFSI, and government, the keynote will cover standard-based architectures, domain-specific integration patterns, and practical modernization strategies that drive scalability, compliance, and long-term resilience.



Mifan Careem
Senior Vice President & Chief Solutions Officer

Dig deeper into AI: Thursday at 1:30pm

AI for Code, Code for AI



Rania Khalaf
Chief AI Officer

Get the mindset right: Thursday at 2:30pm

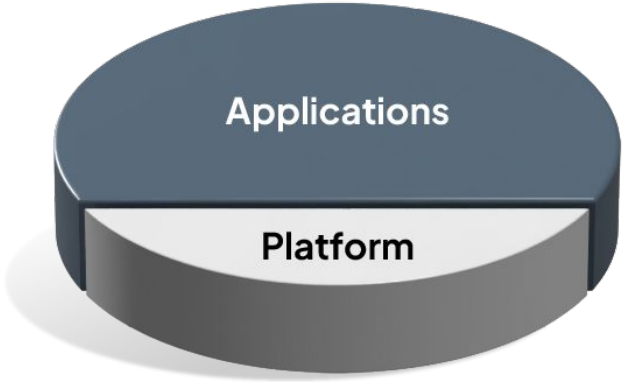
The Modernization Mindset – Rethink, Adapt, Evolve

Modernization isn't just about technology—it's about how you think. The right tools enable transformation, but true modernization starts with a mindset shift. Balancing technology and strategy is key to avoiding outdated playbooks and unlocking continuous evolution. It's time to rethink, adapt, and evolve.



Asanka Abeysinghe
CTO

Becoming platformless is freedom to create



Your customers

Business Abstractions

Platform

Technology Abstractions



Every company is a software company. You have to start thinking and operating like a digital company. It's no longer just about procuring one solution and deploying one. It's not about one simple software solution. It's really you yourself thinking of your own future as a digital company.

– Satya Nadella, CEO Microsoft