

20TH ANNIVERSARY EDITION

WSO2CONASIA

— PLATFORMLESS MODERNIZATION

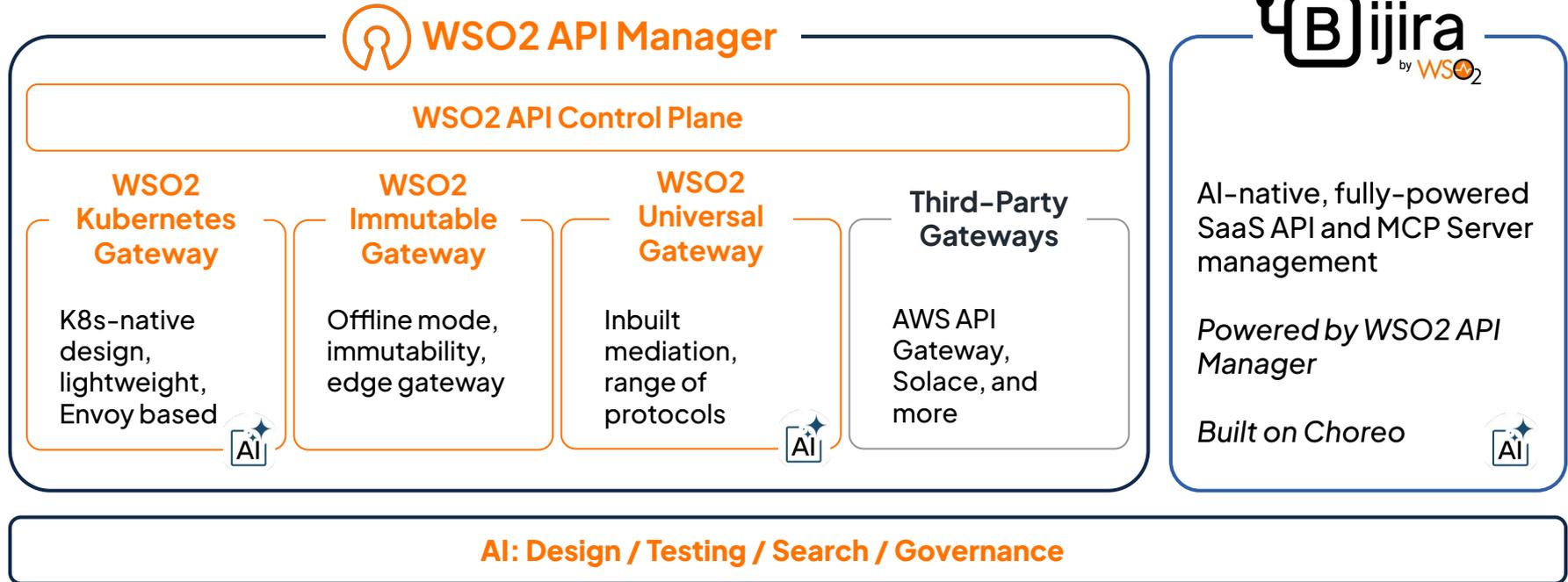
Bijira: API PaaS for the Cloud and AI-Native Era



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Head of Architecture - APIM BU
WSO2



One product – open source or SaaS





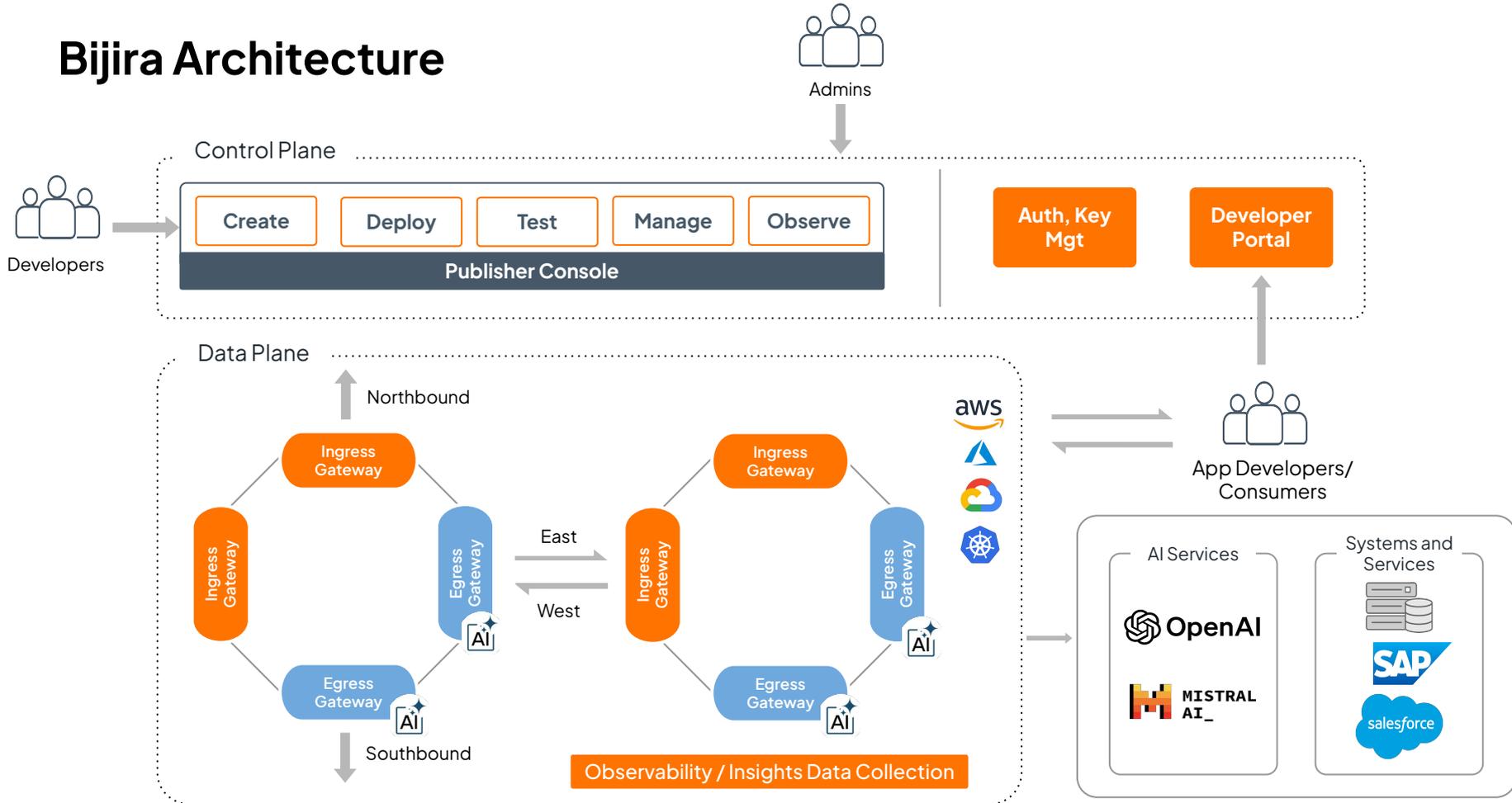
Why Bijira?

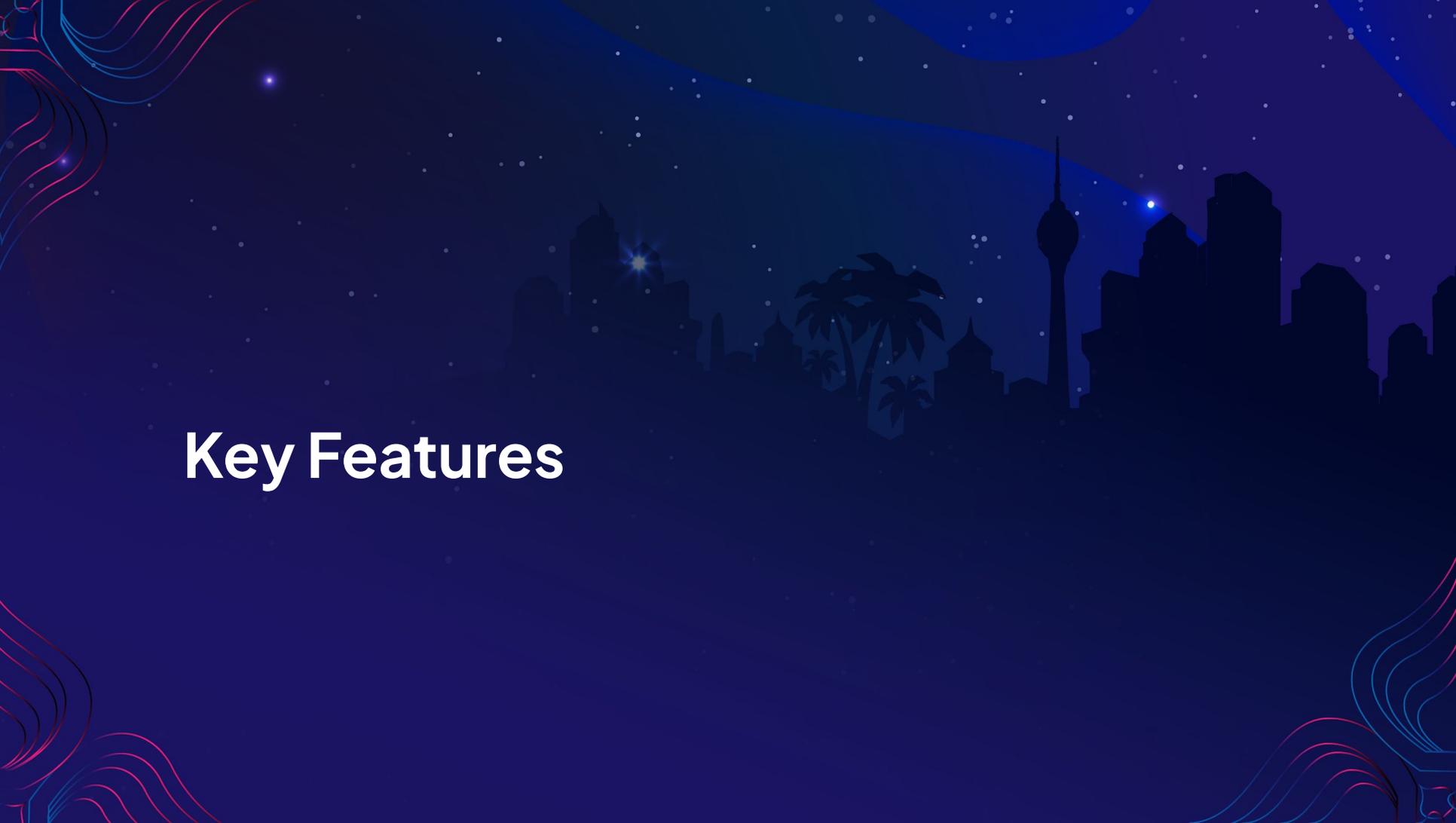
WSO2 API Manager SaaS – Bijira

- **Enhanced User Experience:** Visual mapping UI and interactive policy management
- **Unified Control Plane:** Seamlessly manage APIs across cloud & private dataplanes.
- **AI for APIs:** AI-driven API design assistance, testing and developer portal theming.
- **APIs for AI:**
 - ⦿ AI Governance for intelligent compliance, traffic control, and automation.
 - ⦿ Governs, secures, and enhances the use of Gen AI APIs with AI Gateway.
- **Complete Control Over Your API Traffic**
 - ⦿ Efficiently govern ingress, egress, and AI APIs for any use case.
- **Built for AI Agents**
 - ⦿ MCP server support and tooling to power intelligent agent-based interactions.
- **Built on Choreo:** Delivering an enhanced and focused APIM experience



Bijira Architecture

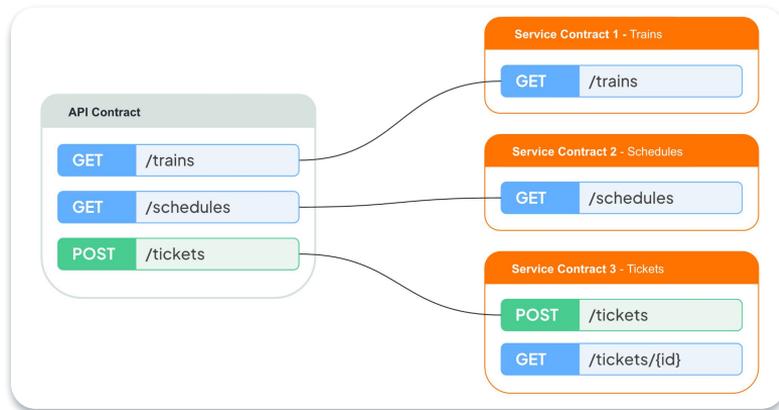
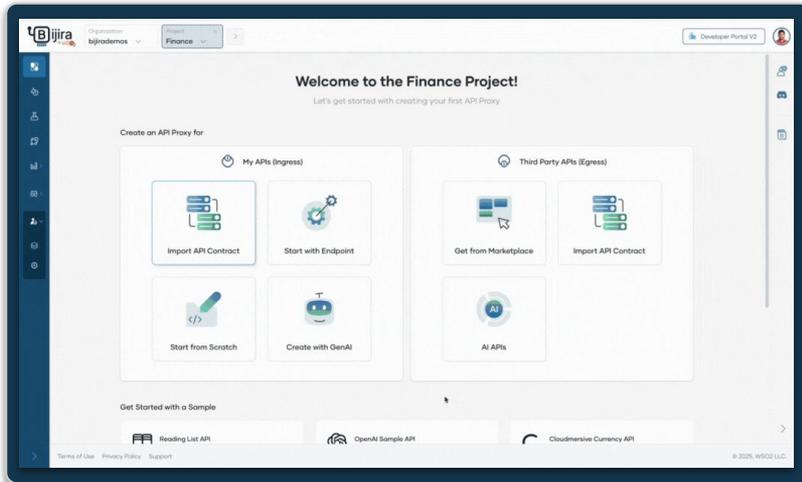




Key Features

Enhanced User Experience

- **API Proxy Mapping UI**
 - Visually map API proxy resources to service contracts.
- **Interactive Policy Management**
 - Apply per-resource policies
- **Unified Overview Page**
 - Manage all basic API proxy capabilities from a single view.
- **More to come**
 - Multi-Service Onboarding – Support multiple backend services within a single API proxy.



Unified Control Plane

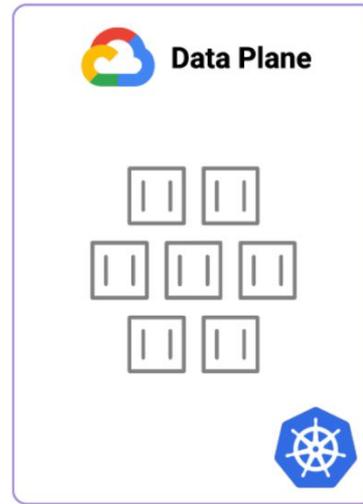
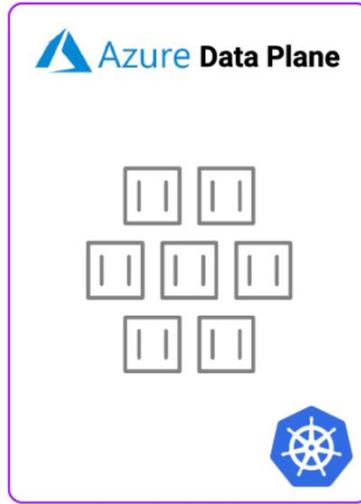
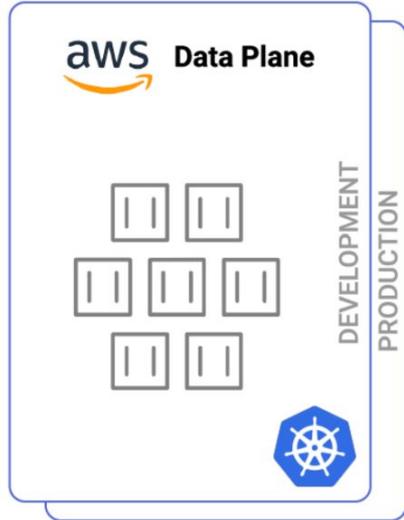
- **Central control:** for on-premises and SaaS data planes
- **Consistent Policies :** Unified security & compliance.
- **Real-Time Insights:** Monitor API traffic & performance.
- **Hybrid & Multi-Cloud:** Deploy across cloud & Kubernetes.



Bijira Control Plane: create, deploy, test, manage, observe

↑
Observability data

Deployment

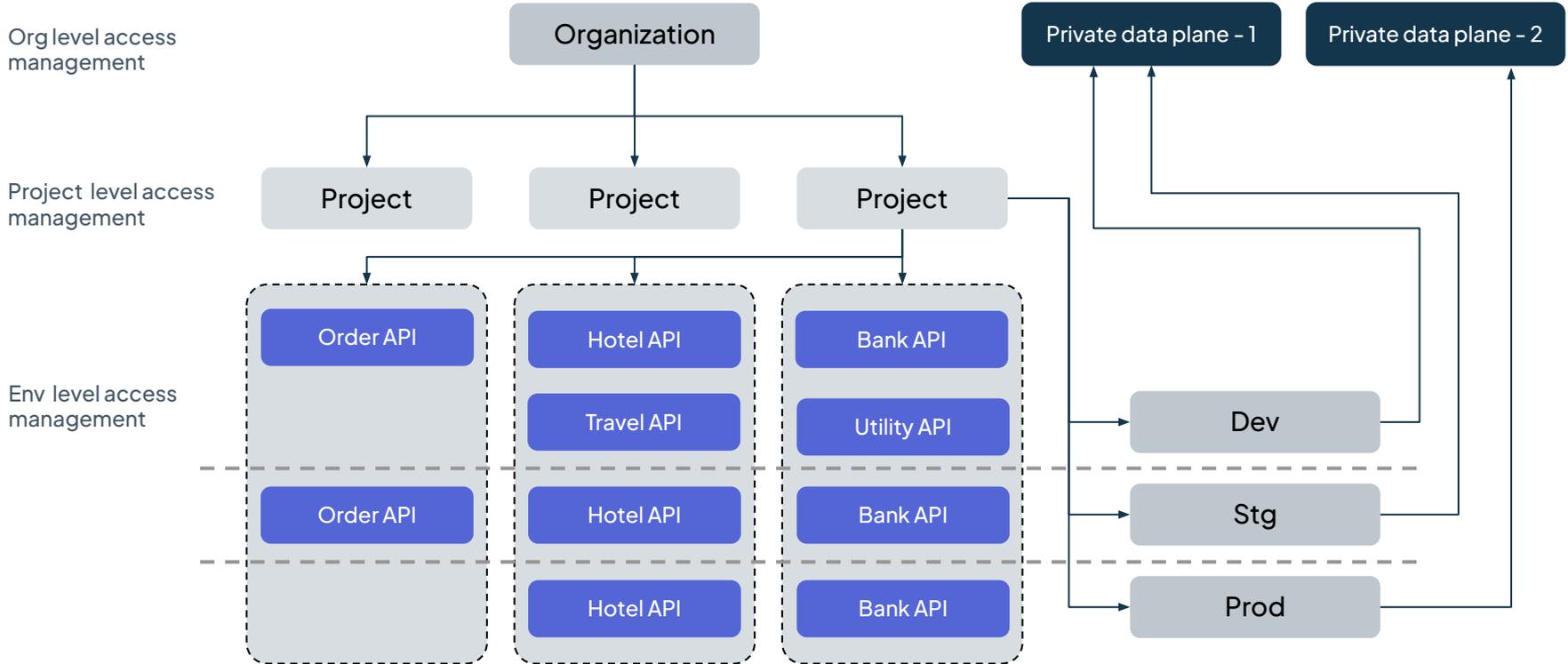


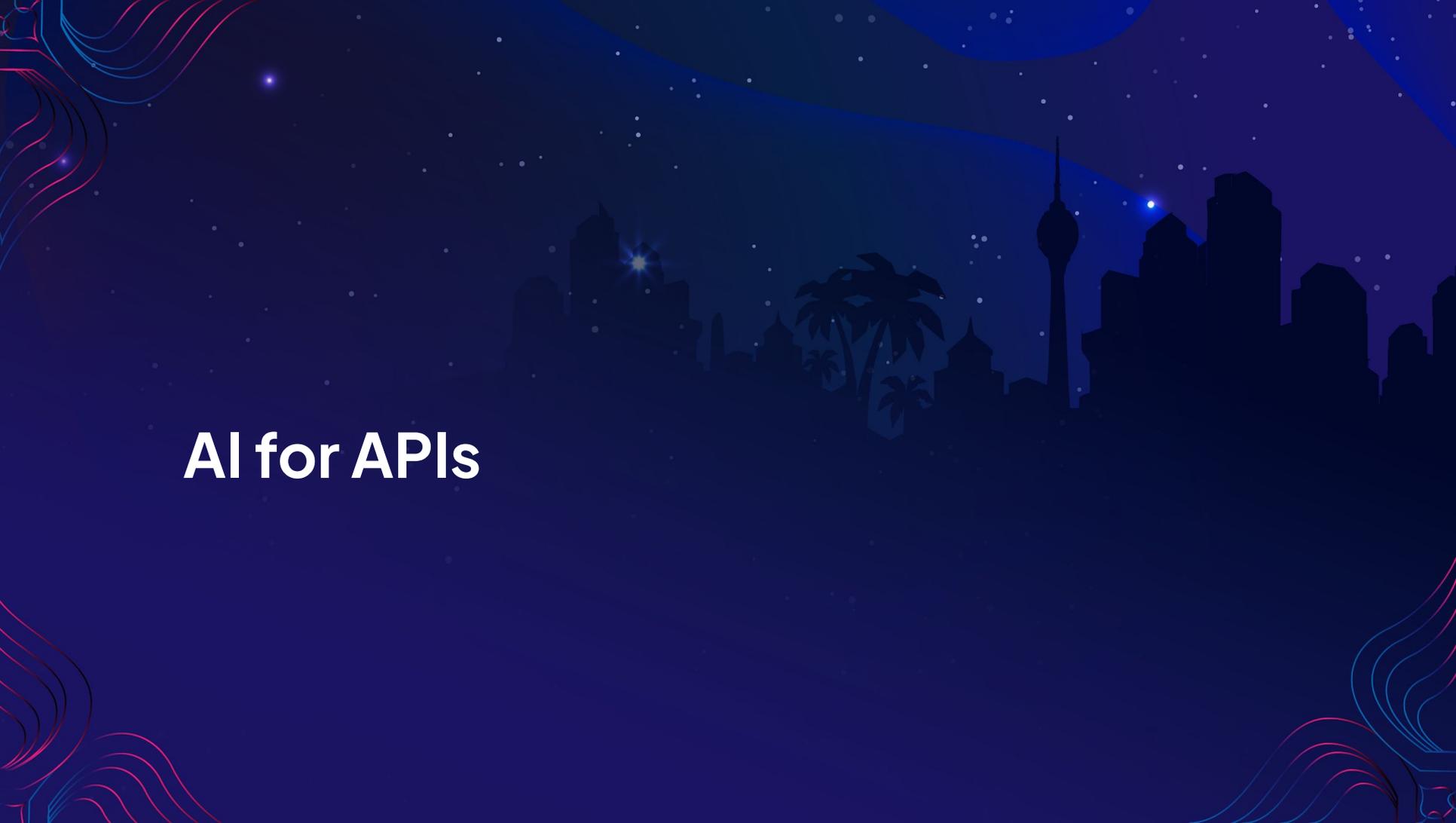
Bijira Data Plane: available on any cloud, hybrid

Bijira Now in EU Region



Hierarchies, Teams, and Permissions

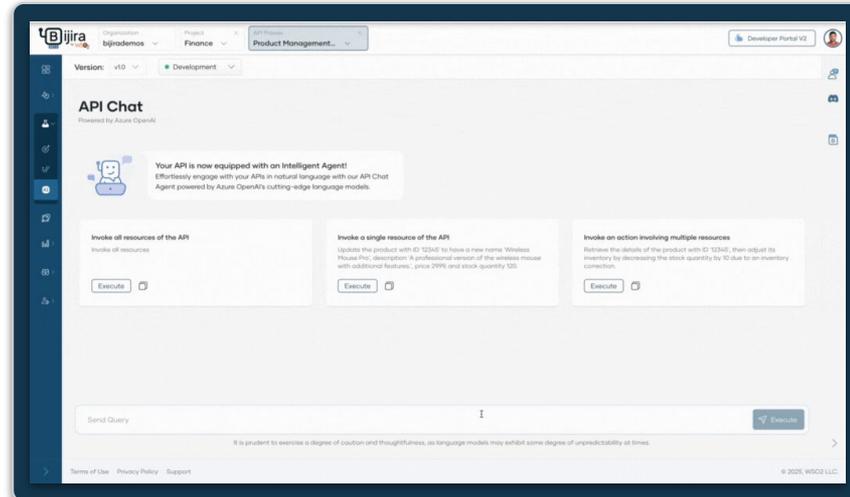
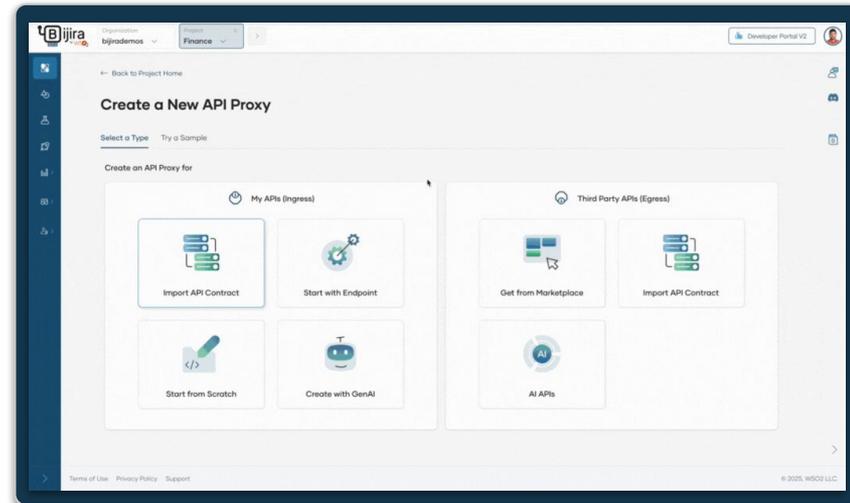




AI for APIs

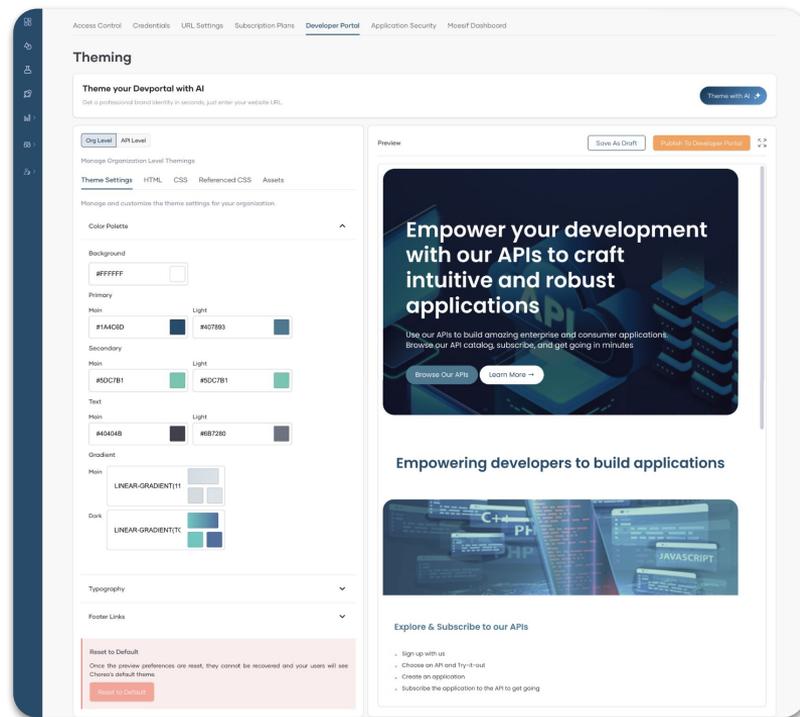
AI-Enhanced Productivity

- AI-driven support for API creation, specification generation, and optimization.
- Natural language-based API testing.



AI-Powered Developer Portal Theming

- **Domain-Based Theming**
 - Users provide their organization's domain for AI-driven styling.
- **Brand Identity Extraction**
 - AI extracts colors, fonts, and styles from the organization's website.
- **Automated Customization**
 - AI applies a brand-aligned theme instantly.





APIs for AI

AI Governance

- **Natural Language Policies**
 - Define rules using English documents.
- **Automated Quality Checks**
 - Detect design flaws & best practice violations.
- **Security & Compliance**
 - Prevent vulnerabilities before deployment.
- **Governance Insights**
 - Monitor policy adherence & effectiveness.
- **Spectral Rule Enforcement**
 - Validate compliance with Spectral policies.

The screenshot shows the 'Policies' and 'Rulesets / Documents' sections of a software interface. The 'Policies' section has a search bar and an 'Add Policy' button. Below it is a table with columns for Name, Description, and Action. The 'Rulesets / Documents' section has a search bar and an 'Add Document' button. Below it are four document cards, each with a title, a description, and an 'Add' button.

Name	Description	Action
WSO2 REST API guidelines validation	AI Policy Check for WSO2 guidelines	[Edit] [Delete]
Style Validation Policy	Validate Styles	[Edit] [Delete]

Rulesets	Documents
WS WSO2 REST API Design Guidelines [Add] Comprehensive guidelines for designing REST APIs following WSO2's best practices and standards	RE REST API guidelines for organizations WSO2 REST API design document [Add]
RE REST API Design Guidelines - Banking Sector [Add] Specialized guidelines for designing REST APIs in the banking and financial services sector	RE REST API Design Guidelines - Government & Public Services [Add] Specialized guidelines for designing REST APIs in government and public service sectors

The screenshot shows the 'Compliance Dashboard' with three donut charts for Policy Compliance (2), Project Compliance (4), and Artifact Compliance (3). Below the charts are two tables: 'Project Compliance' and 'Policy Compliance'. The 'Project Compliance' table shows 'People Management' with 1/2 Non-Compliant and 1/2 Violated, and 'Engineering' with 2/2 Adherent. The 'Policy Compliance' table shows 'WSO2 REST API guidelines validation' with 1/2 Non-Compliant and 'Style Validation Policy' with 2/2 Compliant.

Project	Status	Policies
People Management	1/2 Non-Compliant, 1/2 Violated	[Add] [Edit] [Delete] [Refresh]
Engineering	2/2 Adherent	[Add] [Edit] [Delete] [Refresh]

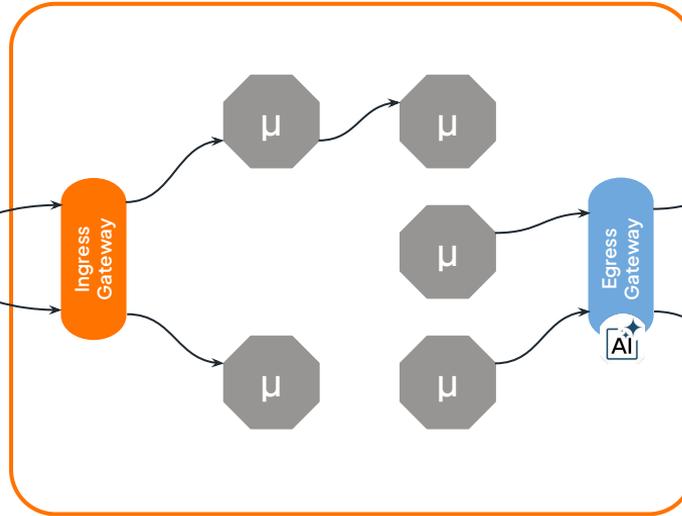
Policy	Status	Projects
WSO2 REST API guidelines validation	1/2 Non-Compliant	[Add] [Edit] [Delete] [Refresh]
Style Validation Policy	2/2 Compliant	[Add] [Edit] [Delete] [Refresh]

Complete Control Over Your API Traffic

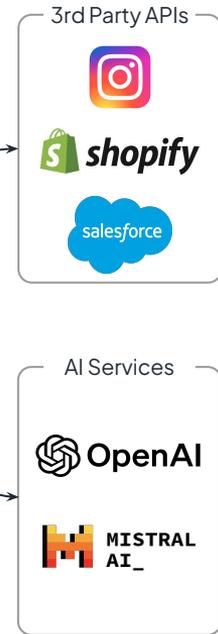
- Ingress APIs
- Egress APIs
- AI APIs



APIs I Create

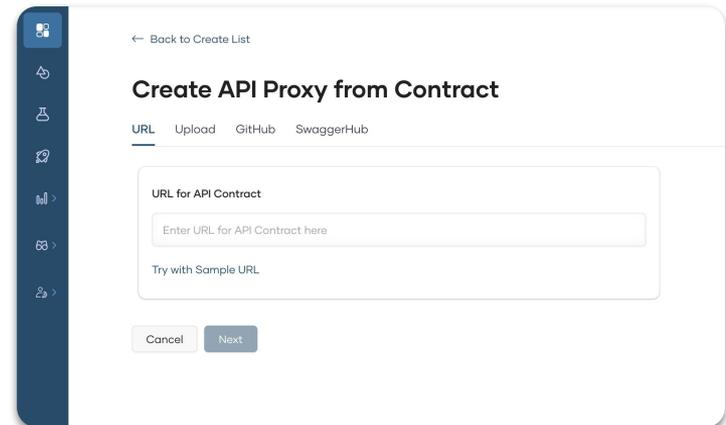
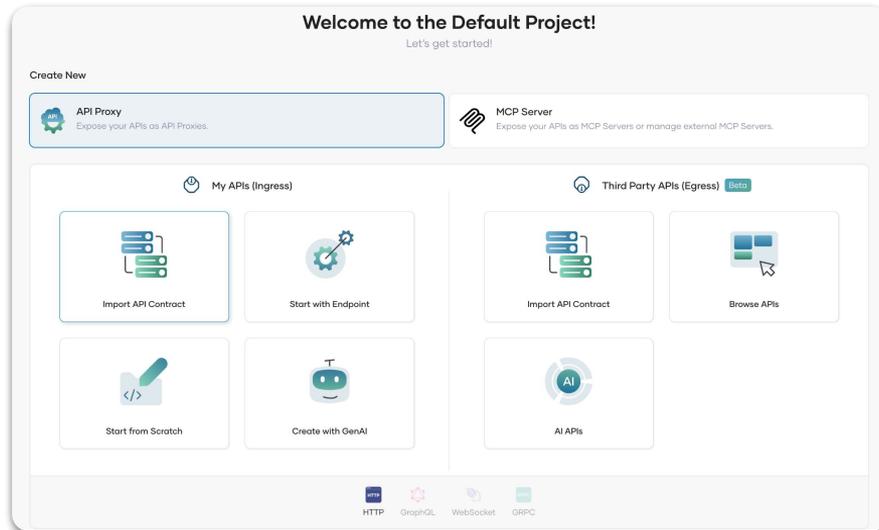


APIs I Use



Ingress API Management

- Manage inbound traffic from external clients to internal services.
- API Proxy creation using
 - API Contract, Endpoint or start from scratch
 - AI-powered design assistant



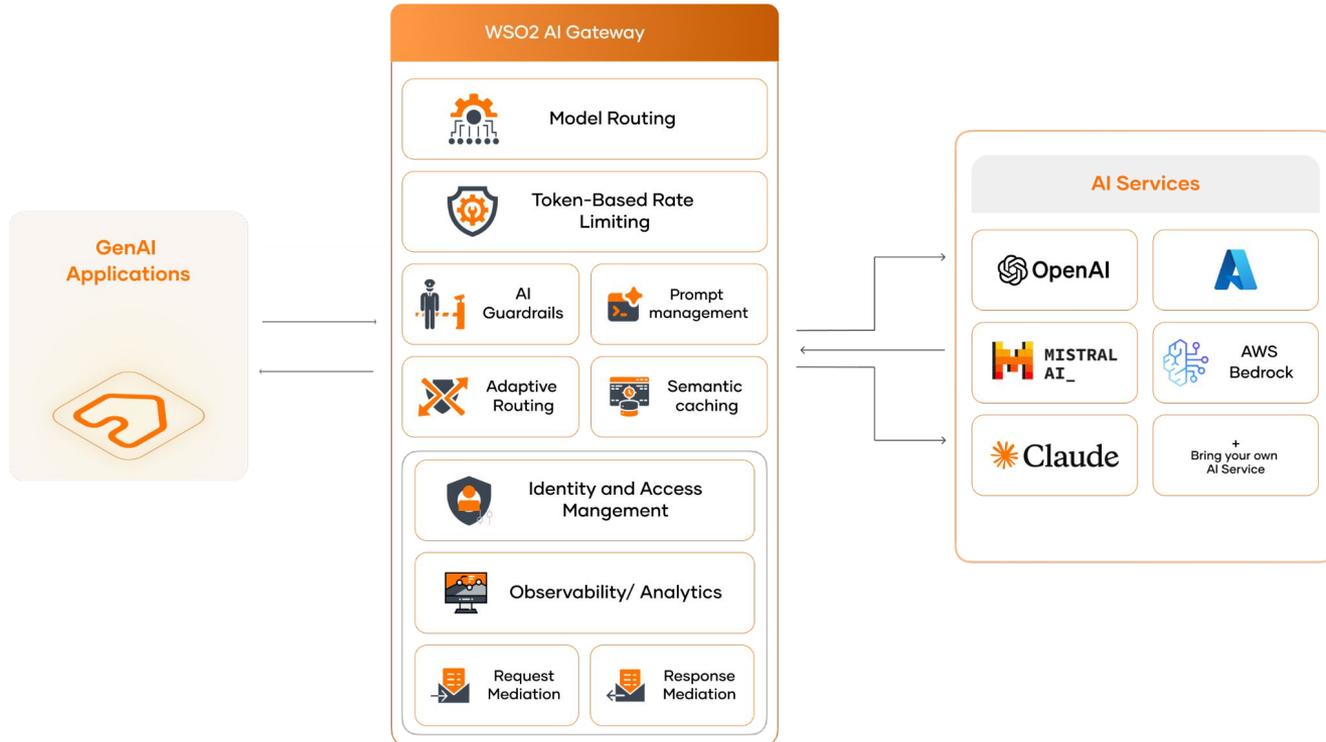
Egress API Management

- Handle outbound traffic from internal services to external 3rd party APIs or systems.
- API Proxy creation
 - Browse APIs (Pre-registered APIs)
 - Using the API Contract

The screenshot displays the 'Create API Proxy' interface. At the top right, there is a search bar labeled 'Search APIs'. Below this, the interface is divided into two main sections: 'Featured APIs' and 'Explore All APIs'. Each section contains a grid of API cards. Each card includes an icon, the API name, its version, a 'HTTP' protocol indicator, and a brief description. The 'Featured APIs' section includes: Currency API (v1), PandaDoc Public API (7.4.0), Shortcut API (3.0), and StabilityAI REST API (v2beta). The 'Explore All APIs' section includes: barcodeapi (v1), virusapi (v1), MFT Gateway REST API (1.0), validateapi (v1), LaunchDarkly REST API (4.0.0), Forem API V1 (1.0.0), NamSor API v2 (2.11), and Shorten.REST API Document... (1.0.0).

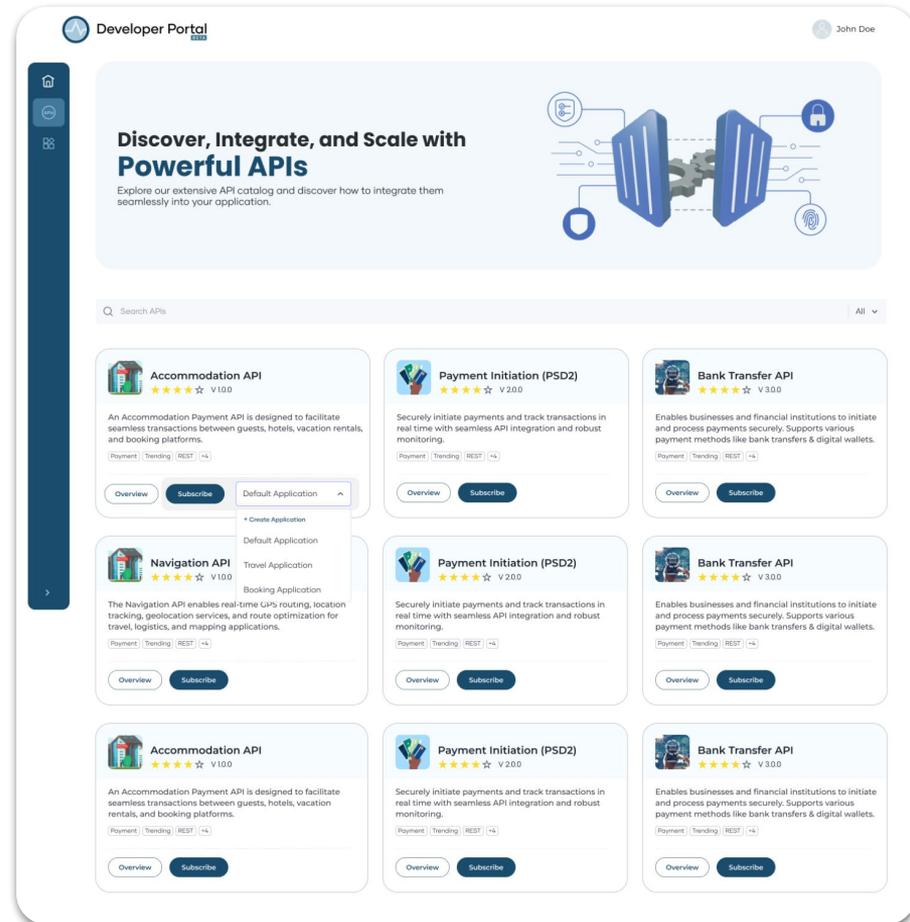
AI API Management

Handle traffic to LLMs



Developer Portal

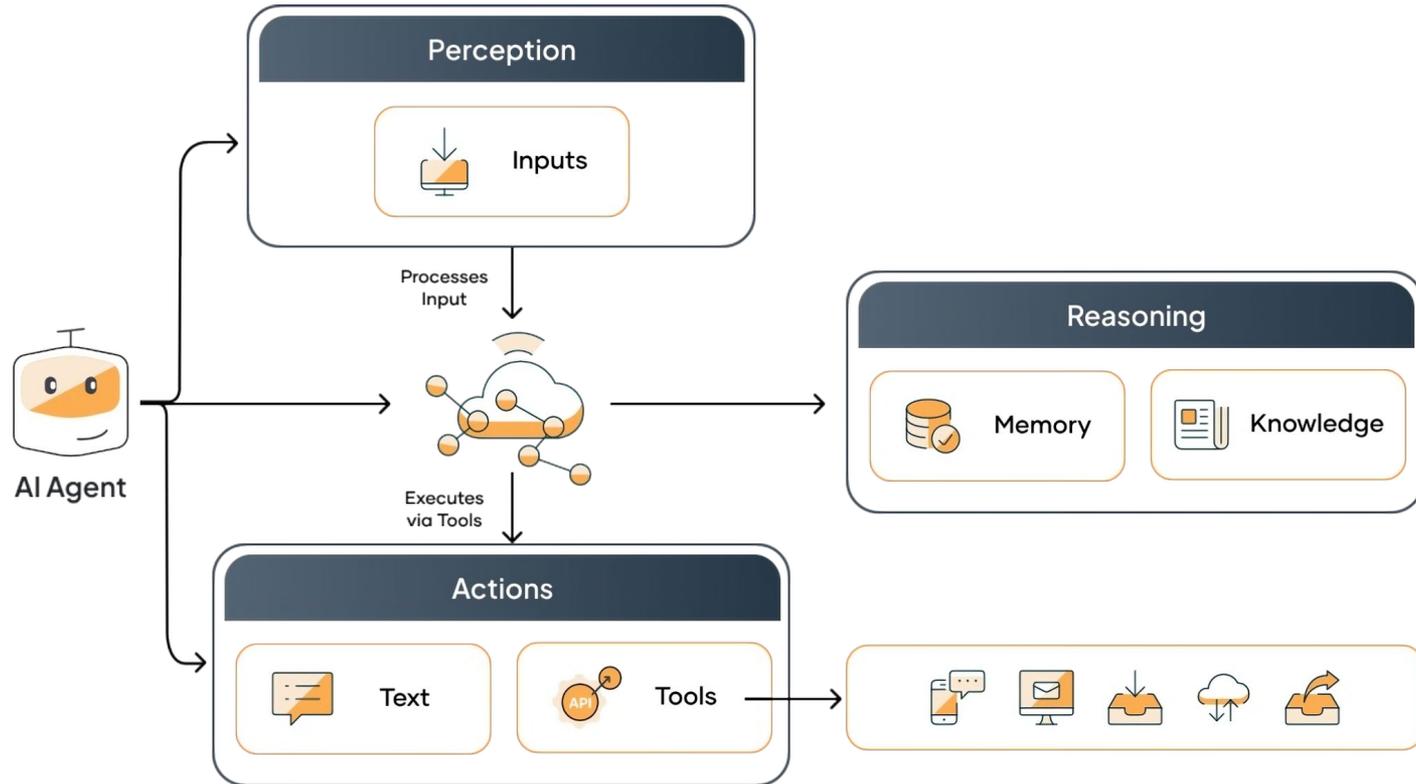
- Intuitive Developer Experience
 - Simplifies API discovery, usage, and management with a clear and efficient interface for easy access.
- Enhanced Theming & Customization
 - Organization Landing Page
 - API Landing Page
 - Separation of Technical and Business Pages (Fully Customizable)
- AI-Based Theming support





Connect APIs to AI Agents

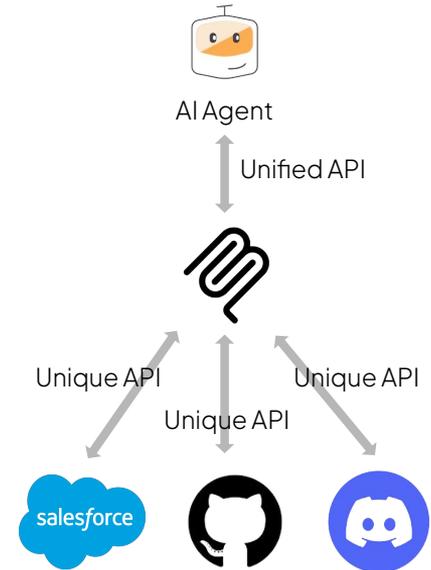
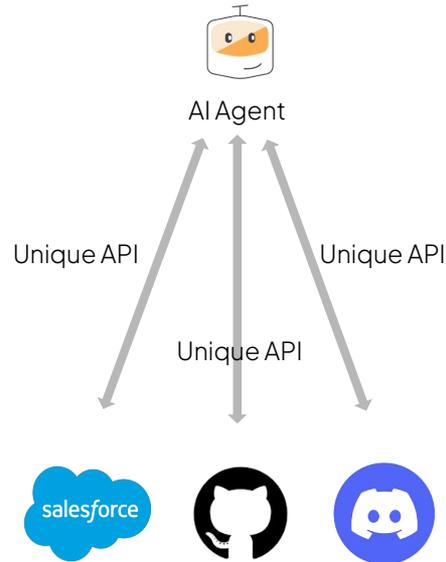
How Agents Operate



Meet MCP - The New Open Standard

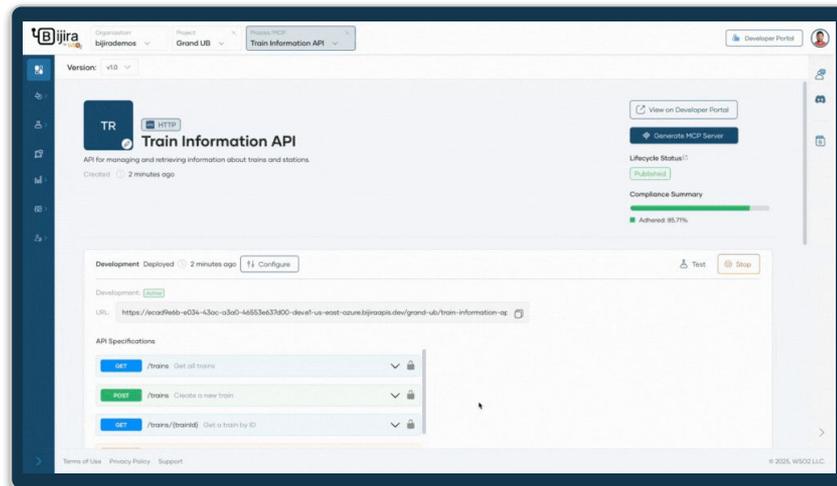
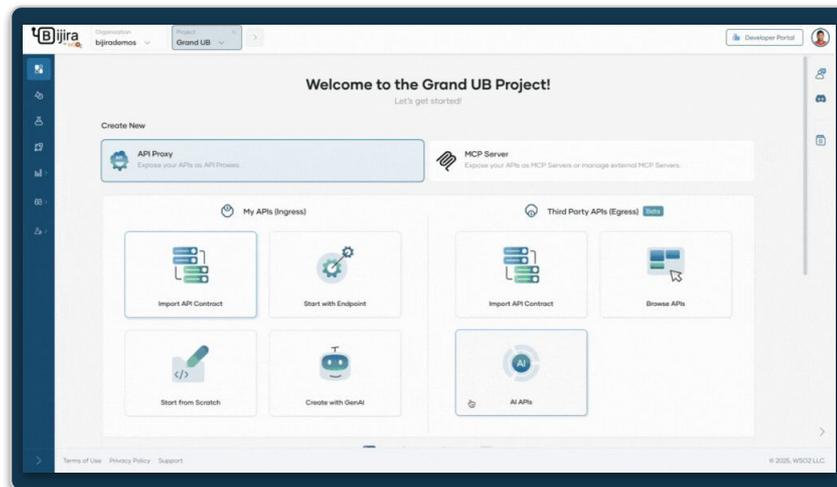
Model Context Protocol is an open protocol that standardizes how applications provide context to LLM.

A universal adapter for AI agents.



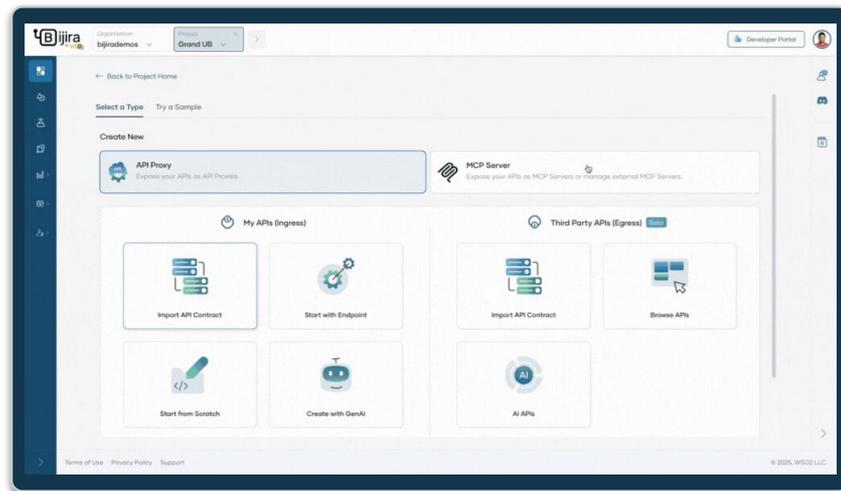
Expose APIs as MCP Server Tools

- Transform APIs or API Proxies as Tools
 - Turn existing APIs into reusable, callable functions for AI agents.
- Add Structured Metadata
 - Include descriptions and other metadata
- Apply Policies
 - Enforce security, rate limiting, and other governance policies on tools.
- Publish MCP Servers to the MCP Hub
 - Make your APIs discoverable as tools for AI agent developers.



Govern Access to Remote MCP Servers

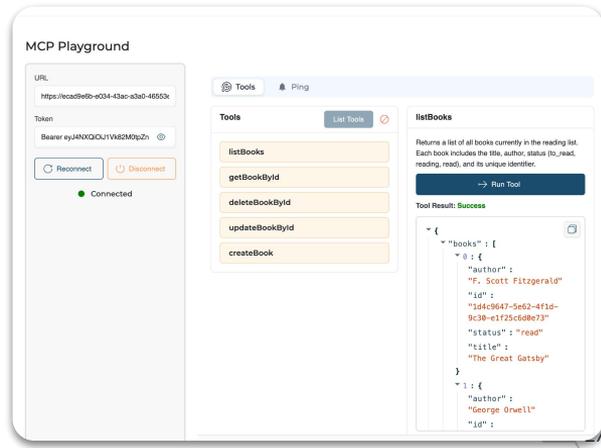
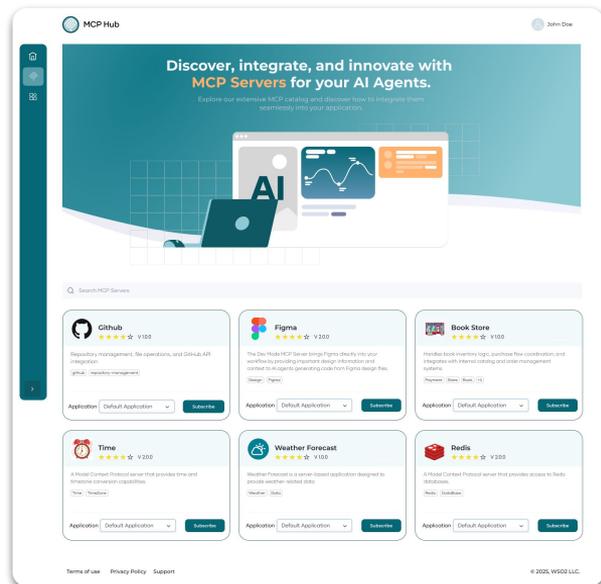
- Bring External Tools to Your Control Plane
 - Connect AI-ready tools hosted outside your environment.
- Register with Metadata
 - Provide tool descriptions, endpoints, and capabilities to enable AI agent usage.
- Policy Enforcement
 - Apply centralized security, rate limiting, and access controls
- Discover via MCP Hub
 - Expose remote MCP servers through the hub for AI agent developers



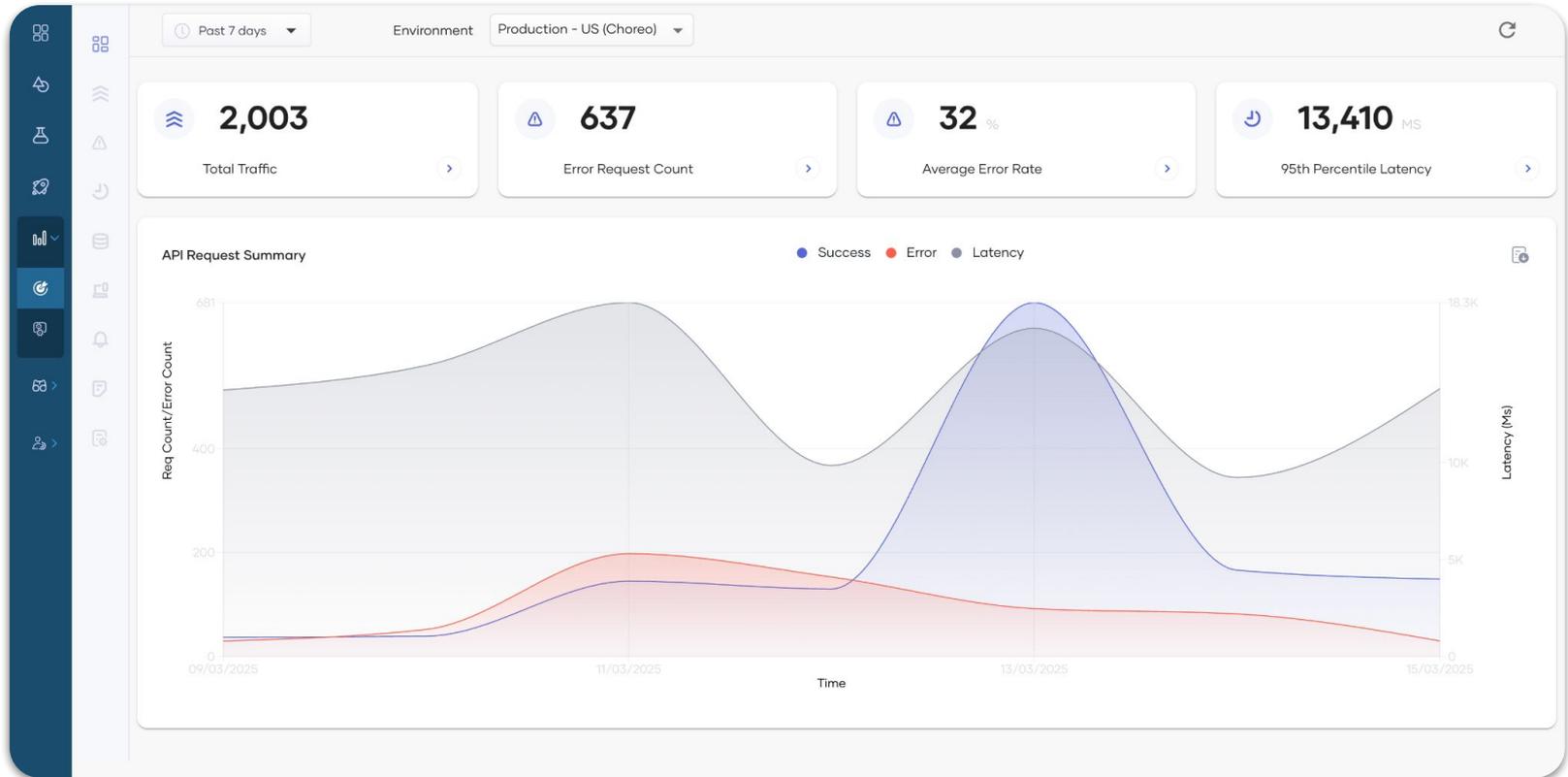
MCP Hub — A Dedicated Discovery Portal for AI Agents

A curated and clutter-free marketplace within Bijira's developer portal, purpose-built for discovering MCP Servers.

- **Focused Experience:** Only MCP tools, no REST/GraphQL noise
- **Agent-Friendly Docs:** Clear capabilities, parameters & usage
- **Custom Theming:** Tailor the look & feel of your hub
- **Built-In Playground:** Try out MCP server functionality instantly



API Insights



Try Bijira Today!

-  Sign Up & Explore Bijira – <https://bijira.dev>
-  For more information – <https://wso2.com/bijira>

- For Demos:
 - Visit the O2 Bar or contact WSO2.



A dark blue background featuring a silhouette of a city skyline at night. The skyline includes various skyscrapers and a prominent tower with a spherical top. The sky is filled with small white stars and a few larger, brighter stars. In the top left and bottom right corners, there are decorative wavy lines in shades of blue and pink. A thin orange horizontal line runs across the middle of the slide.

Question Time!





Thank you!

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