WSO2CON NORTH AMERICA

May 20 - 22, 2026 | Austin, Texas, USA

Shipping Your First MCP: Preparing APIs for Agentic Consumption

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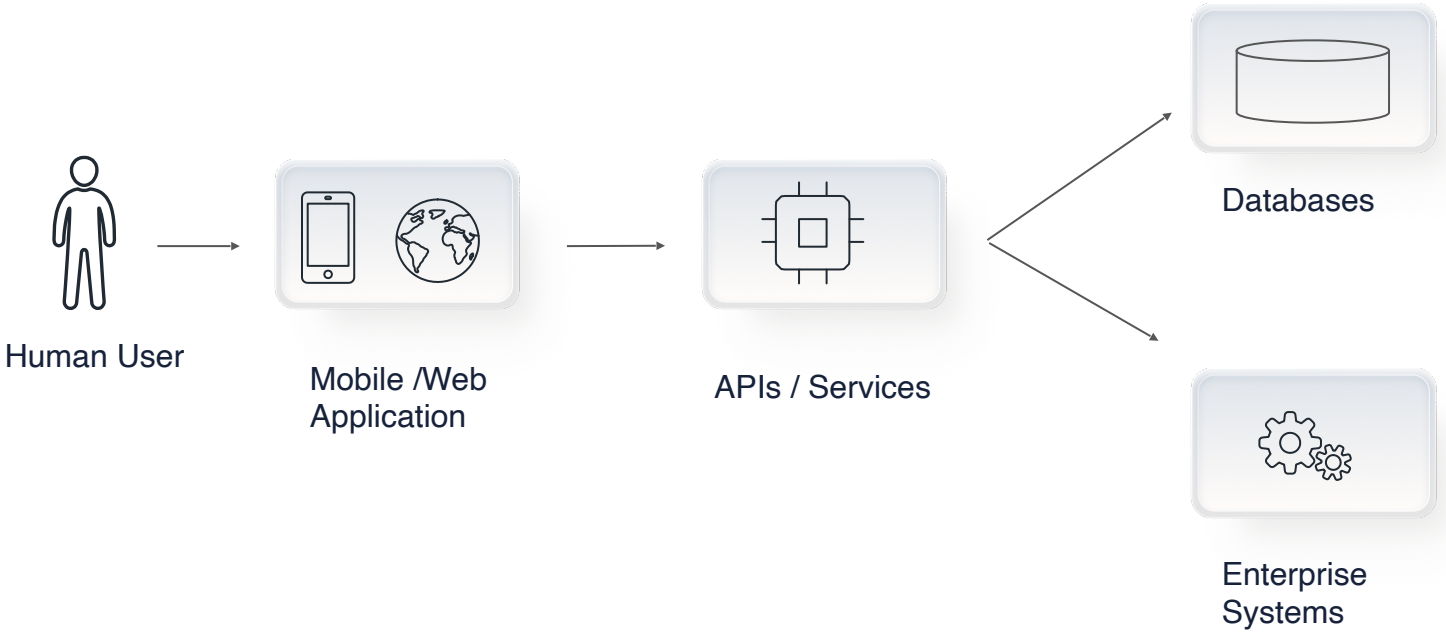
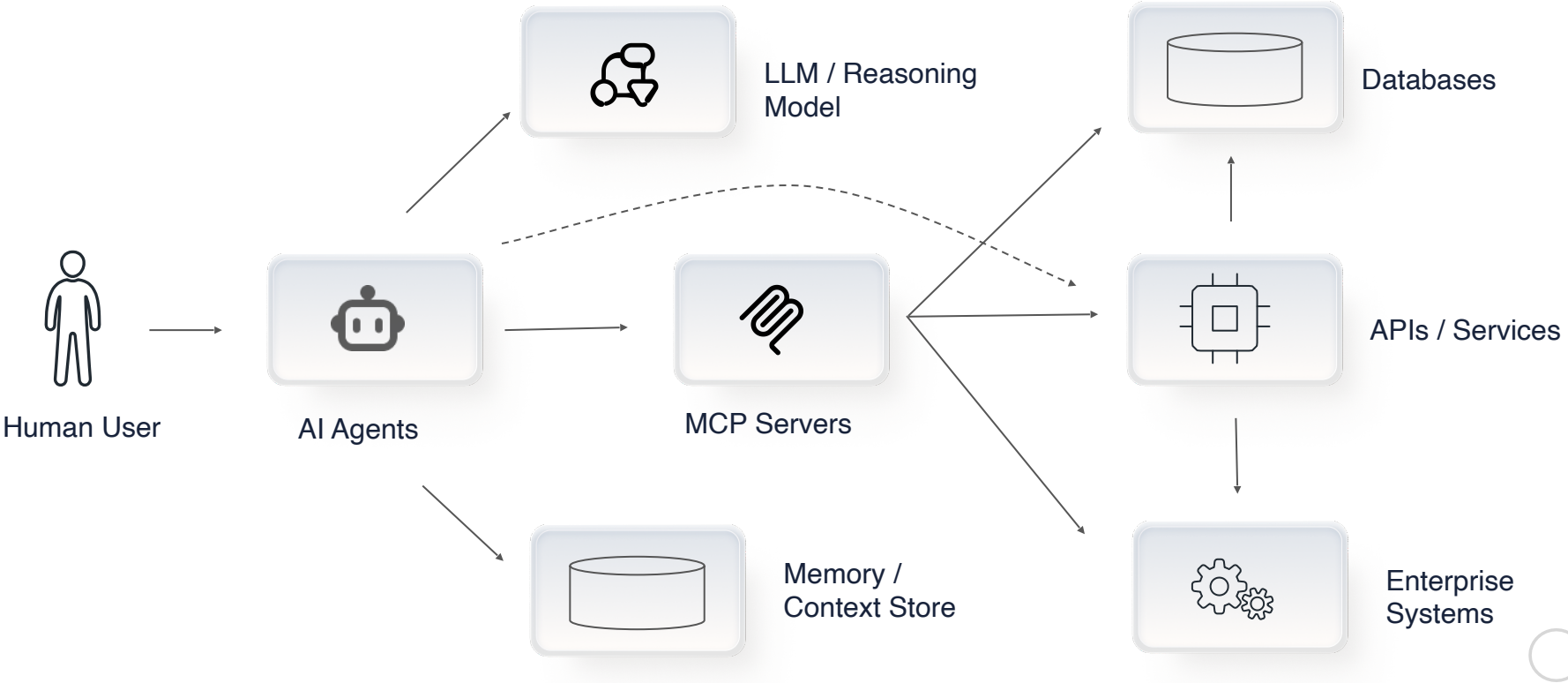
Typical architecture of a regular application



Typical architecture of an agentic application



Human App UX vs Agentic App UX

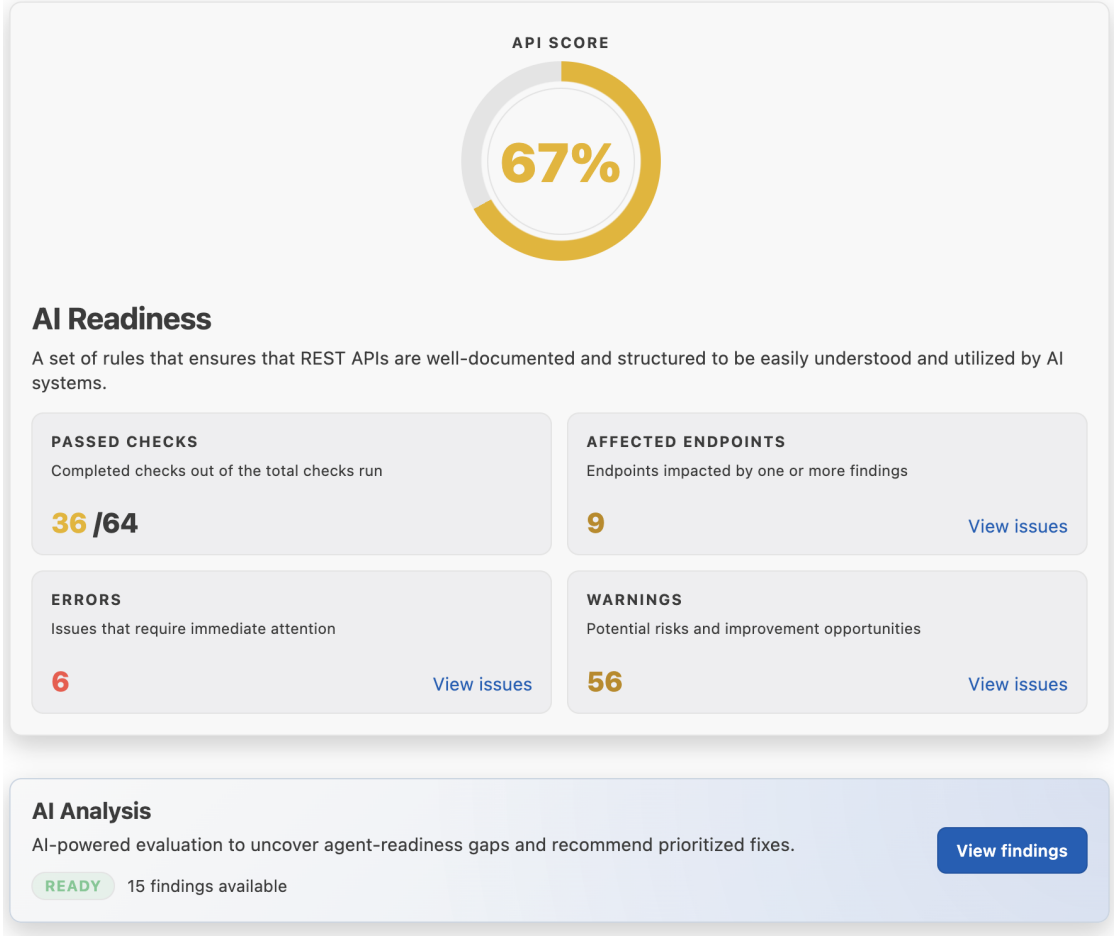
Human Application UX	Agentic Application UX
Designed around screens, buttons, menus, and forms	Designed around tools, APIs, schemas, and capabilities
Inputs are optimized for human readability and interaction	Inputs are optimized for machine interpretation and structured execution
Error handling assumes humans can recover manually	Error handling must provide machine-actionable guidance and retry behavior
Humans tolerate some inconsistency and hidden assumptions	Agents require predictable, deterministic behavior and clear contracts
Security focuses on user authentication and permissions	Security also includes guardrails, consent, delegation, and tool boundaries


APIs are built for customer experiences!

Agentic Experiences demand better APIs!

- **Better API designs**
  - Traditional APIs specs were designed for “humans” to understand and build.
  - Agents demand better documentation and better API endpoints.
- **Model Context Protocol (MCP)**
  - Traditional APIs expose implementation detail (**POST / property**).
  - Agents need capability.

AI readiness checks for APIs



Demo Part 1 - Building AI ready APIs

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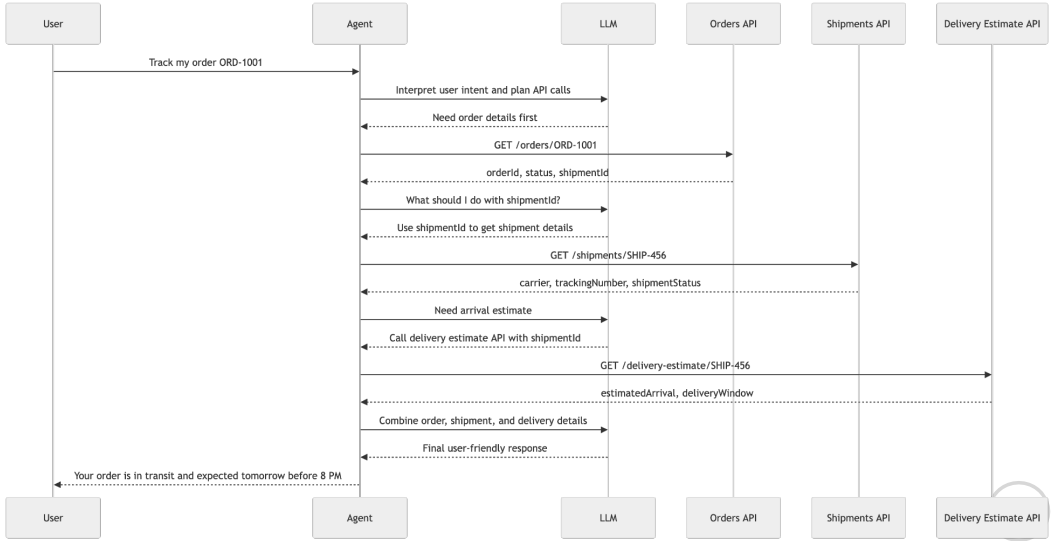
Why MCP?

Track my order

GET `/orders/{orderId}` Retrieve order details

GET `/shipments/{shipmentId}` Retrieve shipment information

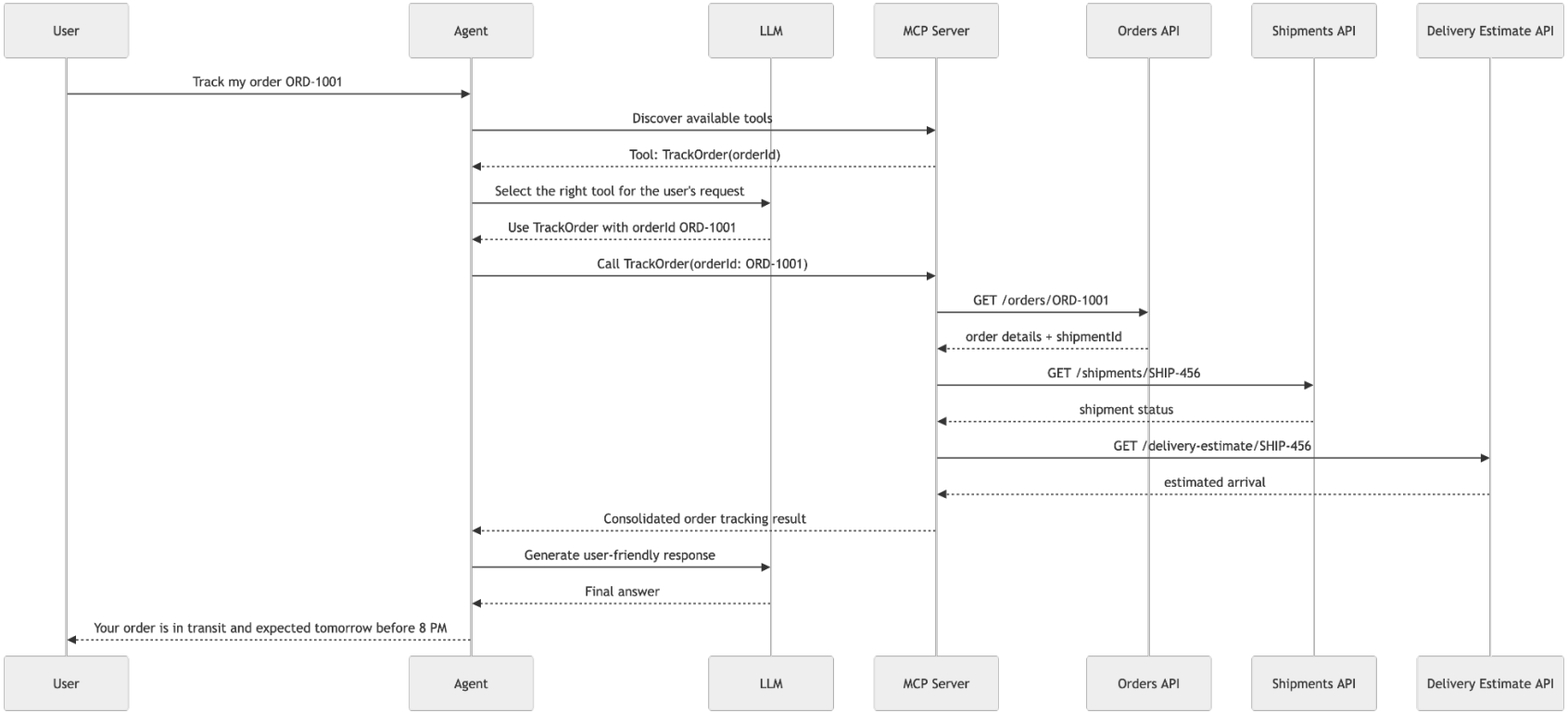
GET `/delivery-estimate/{shipmentId}` Retrieve estimated delivery information



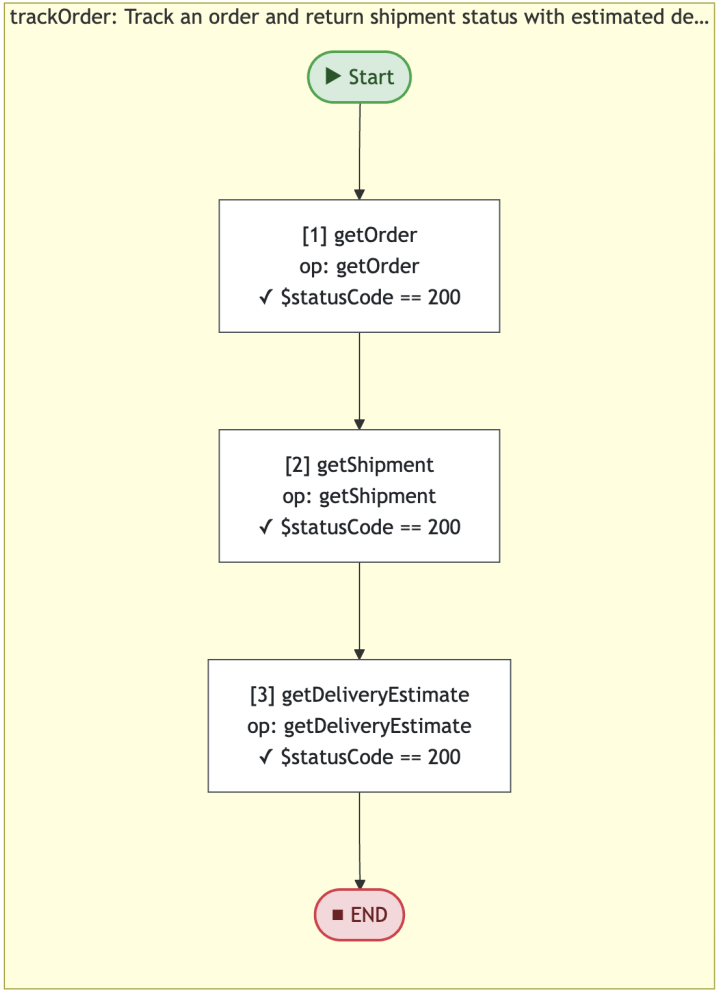
Regular API vs MCP

Regular API	MCP
Expose low-level endpoints and operations	Expose meaningful tools and capabilities
Require developers to understand API details	Provide self-describing interfaces agents can discover
Documentation is written for humans	Tool descriptions are designed for machine understanding
Consumers need to know call sequences	Can expose higher-level workflows and orchestrations
Assumes deterministic consumers	Designed for autonomous and probabilistic consumers
Business logic often spread across multiple APIs	Can package capabilities into task-oriented tools
Security focuses on users/apps	Can add agent guardrails, delegation and constraints

Track my order: With MCP

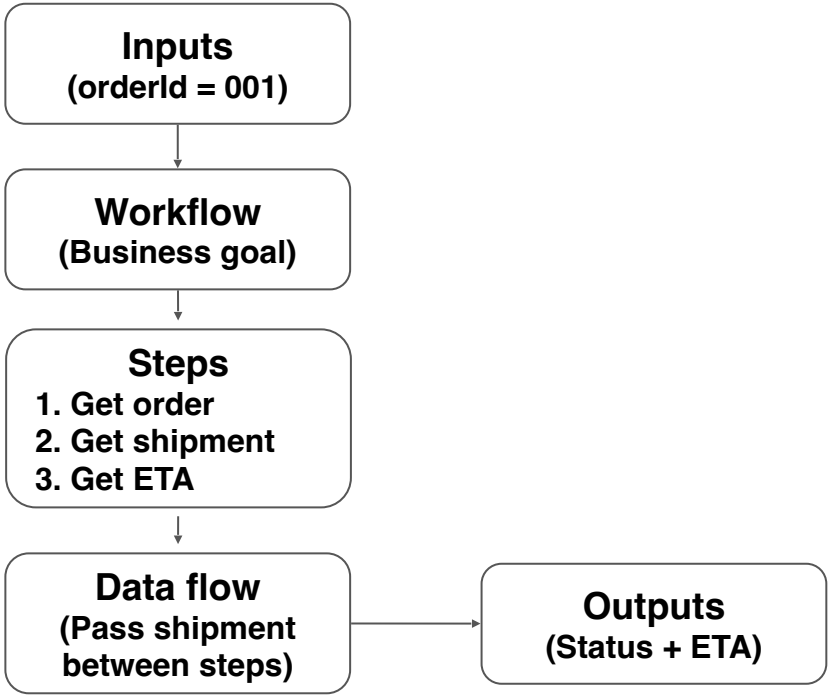


MCPs are an orchestration layer



Arazzo

A mechanism that can define sequences of calls and their dependencies to be woven together and expressed in the context of delivering a particular outcome or set of outcomes when dealing with API descriptions.



Demo Part 2 - Building MCP servers with Arazzo

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Demo - Part 1 & 2 Recap

STEP 01

Existing APIs in the API Platform

Reviewed existing APIs in the API Platform.

STEP 02

AI Readiness

Checked AI readiness using the API Designer tooling.

STEP 03

Arazzo specification

Generated an Arazzo specification from an existing REST API and validated.

STEP 04

REST API to MCP

Converted the REST API into a runnable MCP server with WSO2 CLI tool.

STEP 05

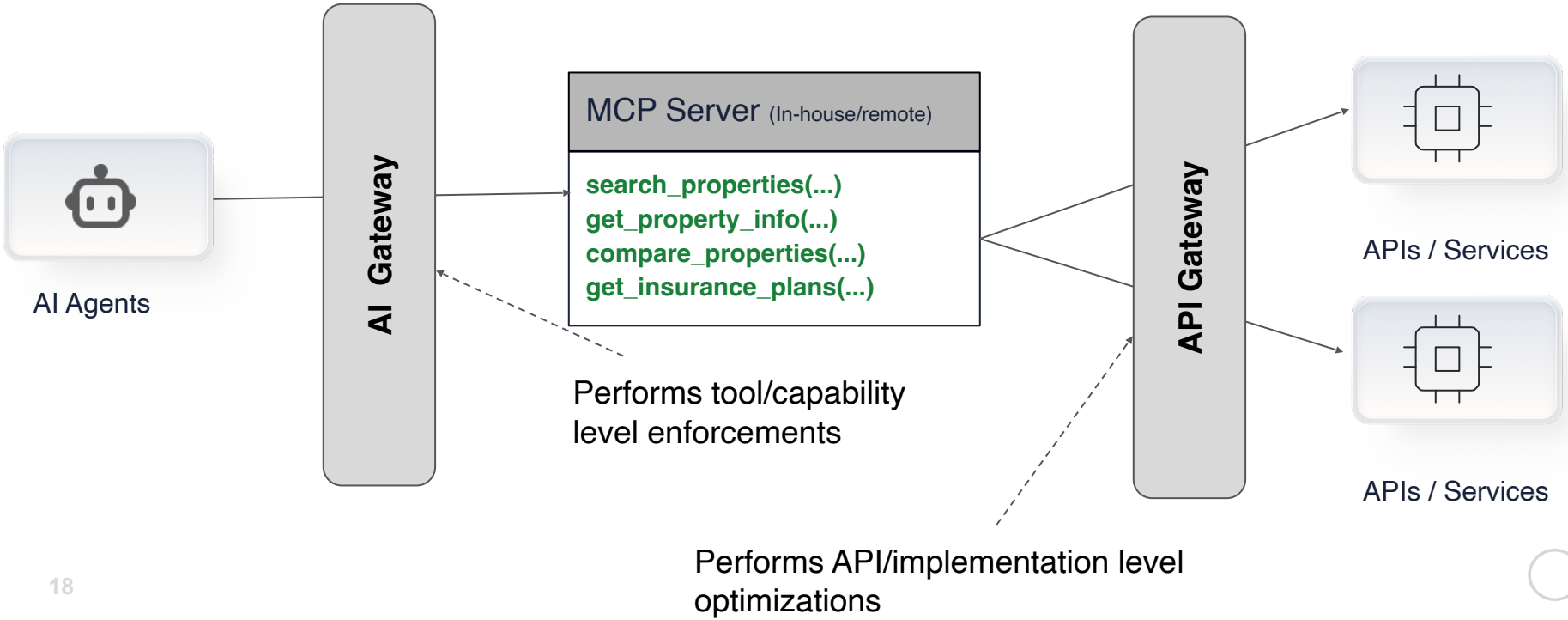
Test MCP Server

Tested the generated MCP server locally.

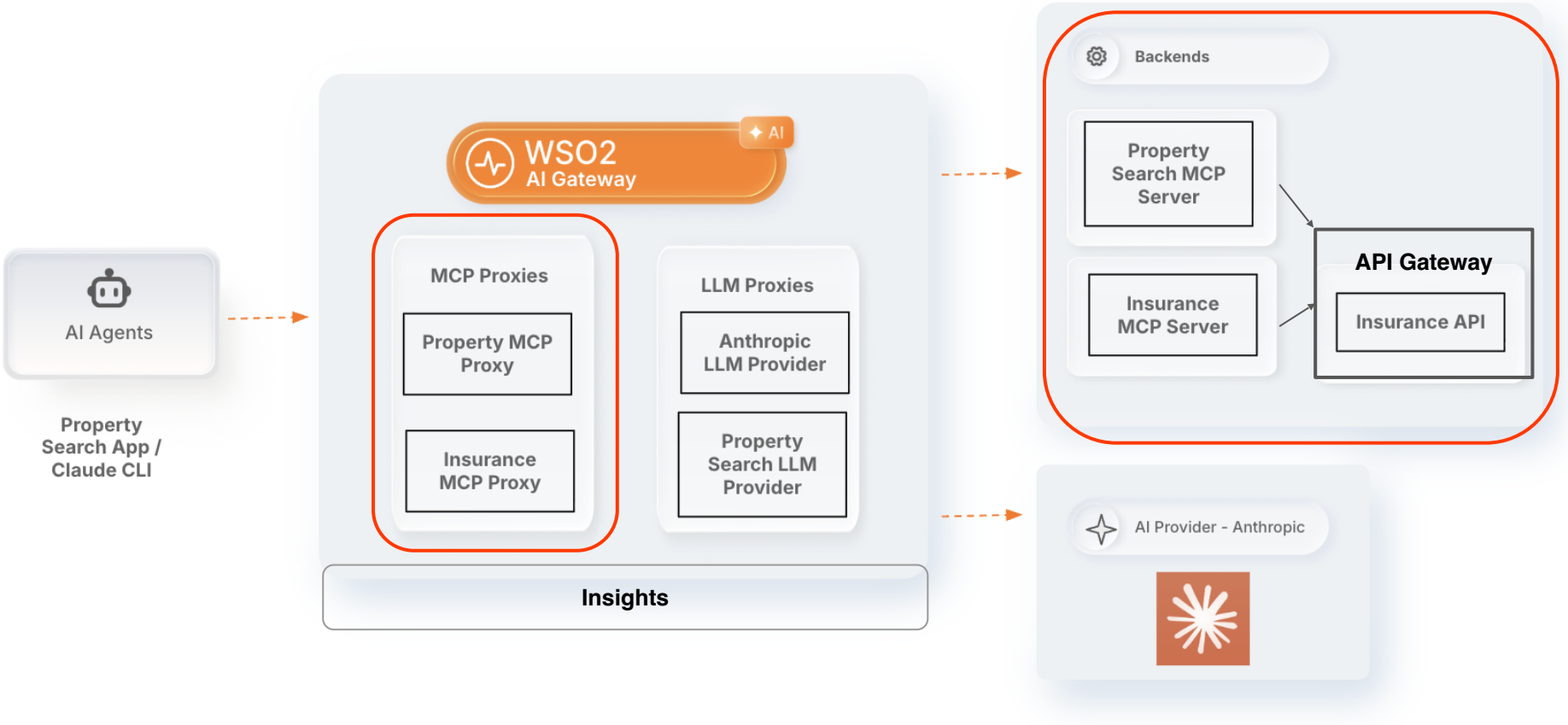
Demo Use Case Overview

Gateways are critical to making API runtimes AI-ready

Reference architecture of Gateways in action in the enterprise



“Property Search" agent for “Lux Property” Organization



Demo - Part 3

Demo - Part 3 Recap

STEP 01

Create MCP server proxy

Created an MCP server proxy in the AI Workspace

STEP 02

Security & policies

Applied security and runtime policies to the MCP proxy

STEP 03

Deploy & test

Deployed the MCP server through the AI Gateway and test

STEP 04

MCP Hub

Published the MCP server to the MCP Hub for discovery

STEP 05

Consume MCP tools

Consumed the MCP tool from Claude and the sample property search app

STEP 06

Insights

Reviewed insights for MCP usage and visibility

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Thank You!