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Low-Code and Pro-Code Integration Made Simple



Anupama Pathirage

Director & Head of Engineering -
Integration BU



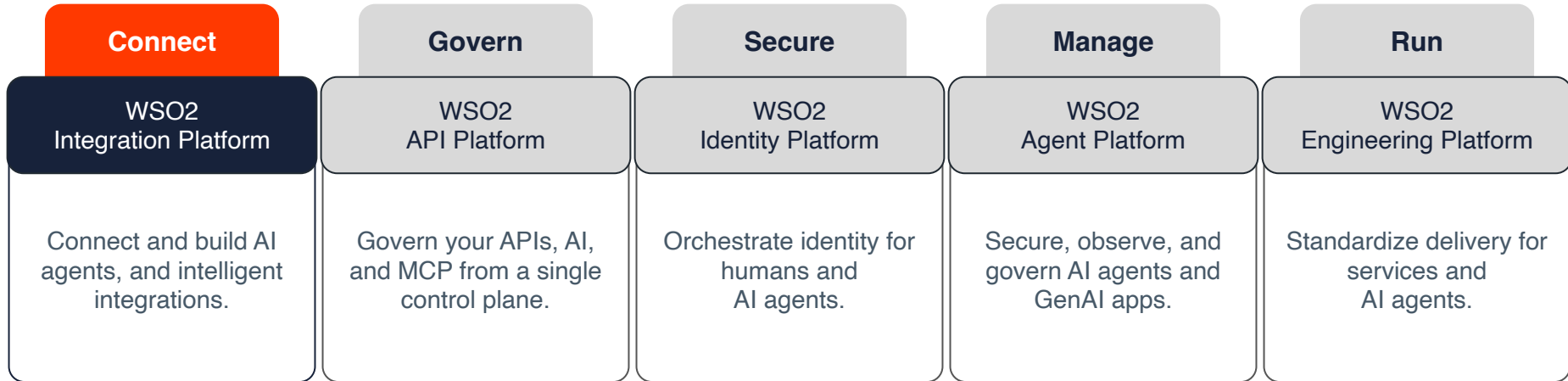
Mohanadarshan V

Senior Enterprise Architect

Agenda

- Introduction to the WSO2 Integration Platform(15 mins)
- **Demo : Pizza Store**
 - **Scenario 1:** Build an Order Process API - REST APIs, transformations, orchestration (25 mins)
 - **Scenario 2:** Process Real -Time Kitchen Events — event-driven integration (20 mins)
 - **Scenario 3:** Sales Data Aggregator - scheduled tasks & automation (20 mins)
- **Discussion: Q&A (10 mins)**

The WSO2 Integration Platform provides the **foundational connectivity** for the agentic enterprise



Build **AI agents** for any business need.

Aggregate data sources to build an enterprise context layer, giving AI agents access to **real-time context**.



WSO2
Integration Platform

Connecting the agentic
enterprise.

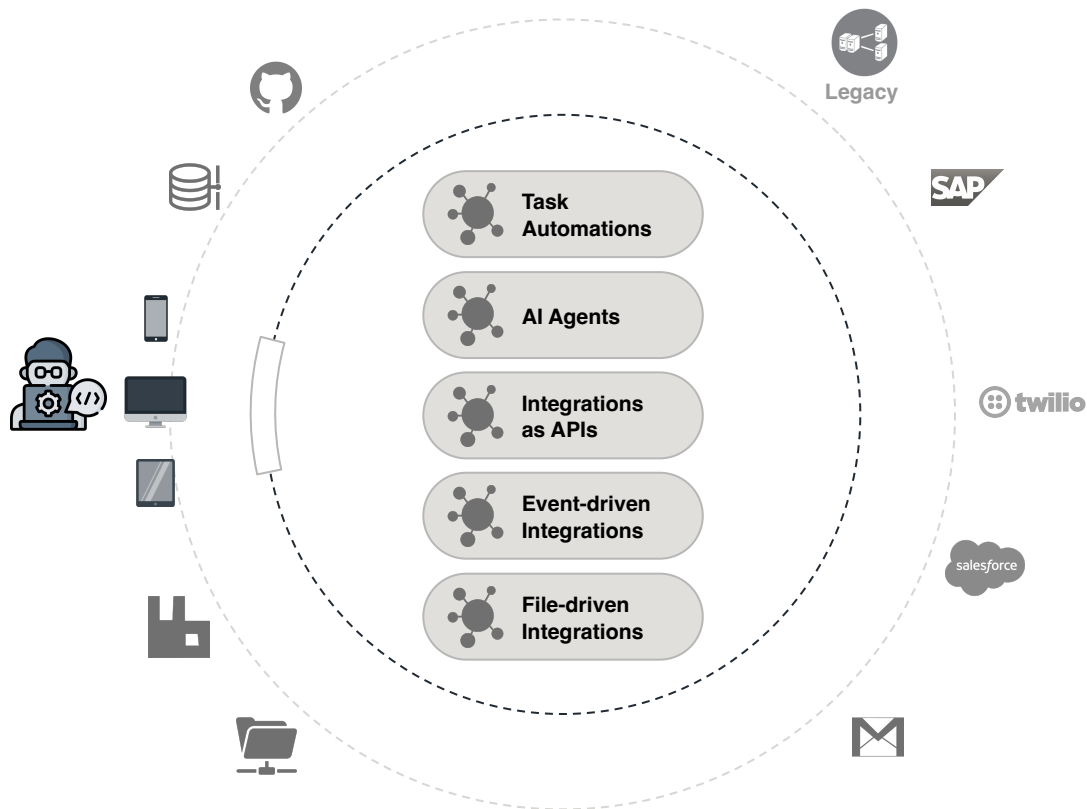
Gather **observability data** to monitor and govern AI agent behavior, performance, and interactions.

Connect to systems of record (ERP, CRM, HRMS) for AI agents to access data, and execute flows across systems.

Build **human-in-the-loop workflows** to ensure operational oversight of AI agents.



Build any type of integration, and orchestrate flows



Task automations

Automatically trigger integrations based on a predefined schedule.

AI agents

Reason, decide on the next step, and trigger integrations.

Integrations as APIs

Expose business functionality as APIs, and use API requests to trigger integrations in real-time.

Event-driven integrations

Monitor systems for events, and trigger integrations as they occur.

File-driven integrations

Trigger integrations based on the availability of files in a location.

Architecture diagram



NEW - WSO2 Integrator 5.0 Released[Get Started](#)[Sign In](#)[Configure](#)

WSO2 Integrator

Connect AI agents, APIs, data, and events across cloud, on-prem, and hybrid environments. Build any type of integration and AI agent with the 100% open source WSO2 Integrator.



Create New Integration

Start building a new integration.

[Create](#)

Open Integration

Open an existing integration and continue building your solution.

[Open](#)

Explore Pre-built Integrations and Samples

Explore ready-to-use pre-built integrations and samples to accelerate your development.

[Explore](#)[More Actions](#) ▼

Recent Integrations and Projects

[See more](#)

No recent projects found in your current history.

- Overview
- Develop
- Build
- Deploy
- Test
- Insights
- Observability
- Admin



Finance

Finance related, business services and operations

[Link a Repository](#)

Integrations

Search Filter

NAME	DESCRIPTION	TYPE	LAST UPDATED
Chargebee to Salesforce Auto...	This Ballerina-based s...	Automation	11 hours ago
Churn Revenue Mail Report	This is a scheduled tas...	Automation	4 days ago
Currency Convert Service	Get exchange rates b...	Integration as API	19 days ago
Finance Entity Service	View and manage fina...	Integration as API	20 days ago
Finance Entity GraphQL	View and manage fina...	Integration as API	20 days ago
DD Reseller Link Scheduler	Cron job to check and ...	Automation	1 month ago
Revenue Reporting Service	This service reports th...	Integration as API	1 month ago

Architecture

Integration Types

Automation	4
Integration as API	9

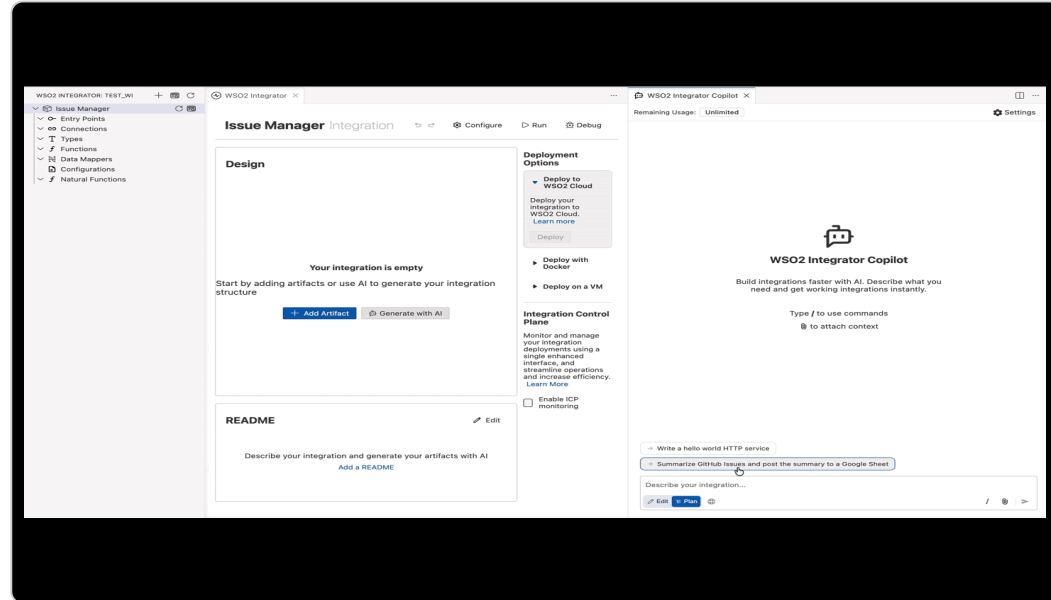
- Users
- Messages
- Alerts
- Admin

WSO2 supports end-to-end integration development



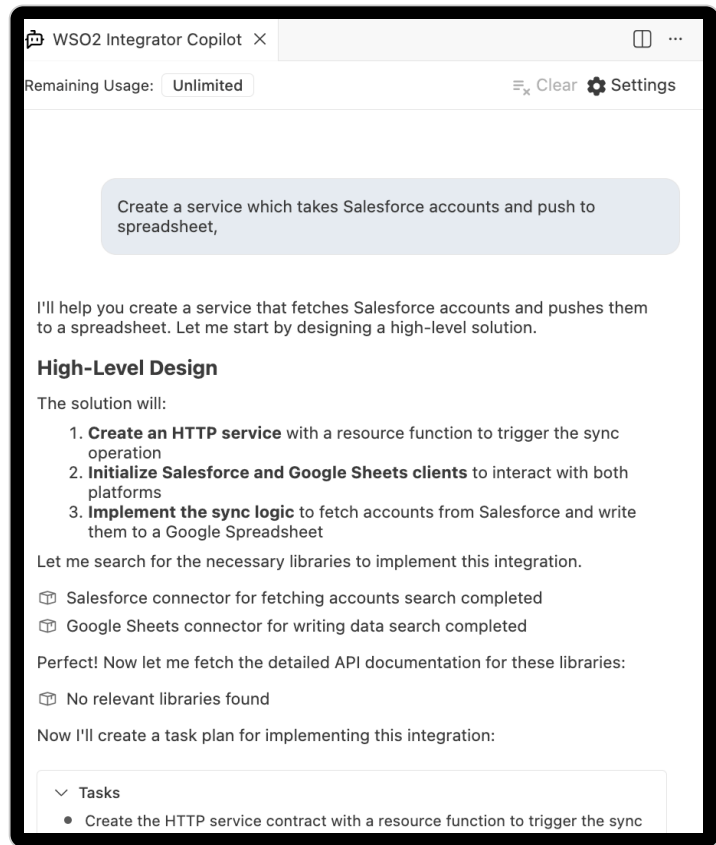
AI-assisted development

- Describe your integration requirements in natural language, and have AI generate the code for you
- In-line code suggestions when adding constructs
- Natural language-based interactive development



AI-assisted development (Agent mode)

- Collaborate with the Copilot to generate an integration plan
- Refine requirements through iterative dialogue
- Generate complete end-to-end integrations
- Continue refinement with visual flow guidance



WSO2 Integrator Copilot ×

Remaining Usage: Unlimited Clear Settings

Create a service which takes Salesforce accounts and push to spreadsheet,

I'll help you create a service that fetches Salesforce accounts and pushes them to a spreadsheet. Let me start by designing a high-level solution.

High-Level Design

The solution will:

1. **Create an HTTP service** with a resource function to trigger the sync operation
2. **Initialize Salesforce and Google Sheets clients** to interact with both platforms
3. **Implement the sync logic** to fetch accounts from Salesforce and write them to a Google Spreadsheet

Let me search for the necessary libraries to implement this integration.

- 📦 Salesforce connector for fetching accounts search completed
- 📦 Google Sheets connector for writing data search completed

Perfect! Now let me fetch the detailed API documentation for these libraries:

- 📦 No relevant libraries found

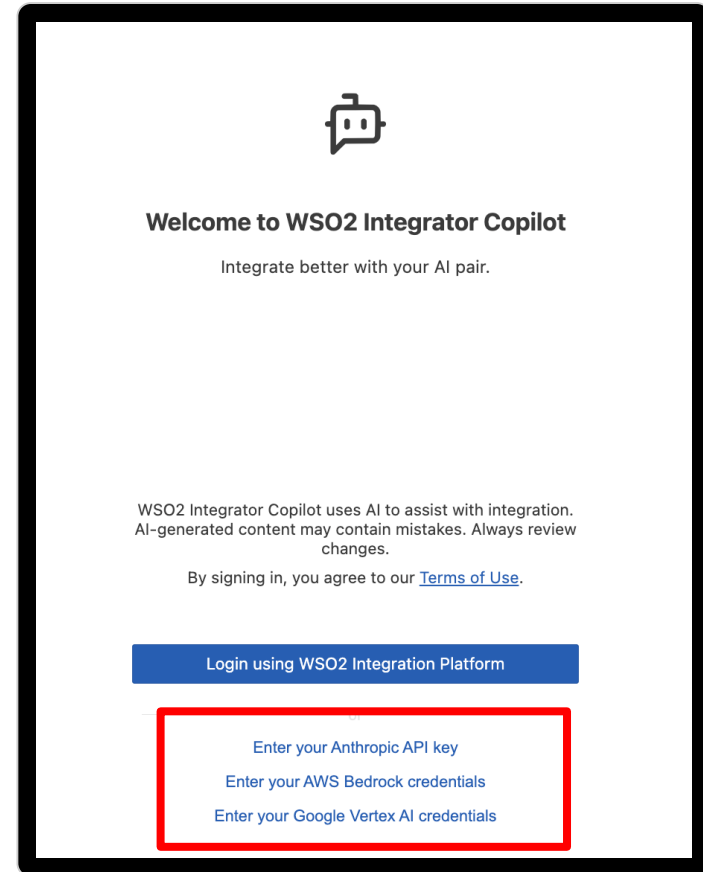
Now I'll create a task plan for implementing this integration:

Tasks

- Create the HTTP service contract with a resource function to trigger the sync

Bring your own model

- Configure the Copilot to run using an enterprise's own Anthropic accounts
- Supports Claude on AWS Bedrock, and Google Vertex AI (Coming soon: Azure AI Foundry)
- Ensures enterprise-level control over data governance and billing



Low-code and pro-code development

- Low-code development with 100% pro-code parity
- Low-code and pro-code on a single technology, including fluid switching between the two
- Enables seamless collaboration among business users, integration specialists, and developers
- 100% EIP compliant

















The image displays a side-by-side comparison of low-code and pro-code development for a weather service. On the left, the WSO2 Integrator's visual flow editor shows a sequence of steps: a decision diamond for 'geoResponse.length() == 0', a 'Return' action with an 'http:NotFound' status and a 'body' of 'City not found', a 'Declare Variable' action for 'location = geoResponse[0]', and a 'getWeatherData' action. On the right, the corresponding pro-code in 'main.bal' implements the same logic using Java-like syntax, including API client initialization, error handling, and variable declarations.

```
main.bal > () service /weather > @get:cityName
5 configurable string apiKey = 7;
6
7 // HTTP clients for external APIs
8 final httpClient geoLocationClient = check new ("http://api.open
9 final httpClient weatherClient = check new ("https://api.openwe
10
11 // Weather service
12 service /weather on new http:Listener(8080) {
13
14 Visualize
15 resource function get [string cityName]() returns WeatherApi
16
17 // Get geographic coordinates for the city
18 GeoLocation[] geoResponse = getGeoLocation(cityName
19
20 if geoResponse is error {
21     return <http:InternalServerError>{
22         body: "Failed to get location data"
23     };
24 }
25
26 if geoResponse.length() == 0 {
27     return <http:NotFound>{
28         body: "City not found"
29     };
30 }
31
32 GeoLocation location = geoResponse[0];
33
34 // Get weather data using coordinates
35 WeatherResponse|error weatherResponse = getWeatherData(L
36
37 if weatherResponse is error {
38     return <http:InternalServerError>{
```



Pre-defined integrations

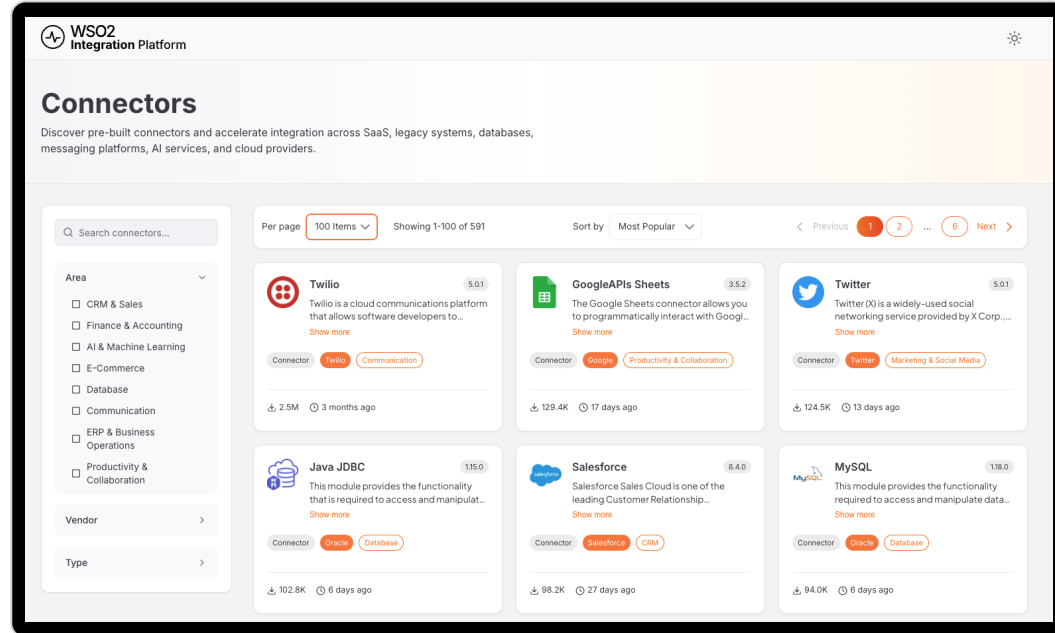
- Templated pre-defined integrations for common use cases
- Users can instantiate and get an integration running in seconds

<p>Create a Salesforce Contact When a Ne... webhook</p> <p> → </p> <p>When a new customer signs up on Shopify, automatically create a corresponding contact in Salesforce.</p>	<p>Create a Transaction in QuickBooks Whe... webhook</p> <p> → </p> <p>When a Shopify order is marked as completed, automatically create a corresponding transaction record in QuickBooks.</p>	<p>Create Salesforce Contact and notify... service</p> <p> → </p> <p>This Integration as API creates a new contact in Salesforce and sends a notification to a Google Chat space.</p>	<p>Create Stripe Customer when a... webhook</p> <p> → </p> <p>This webhook-based Integration as API listens for new customer creation events in Shopify and creates a corresponding customer in Stripe.</p>
<p>Export Salesforce Leads to a Goo... scheduled-task</p> <p> → </p> <p>Periodically exports all Salesforce Leads to a Google Sheet.</p>	<p>Export Salesforce Opportunities t... scheduled-task</p> <p> → </p> <p>Periodically exports all Salesforce Opportunities to a Google Sheet.</p>	<p>Send a Google Chat message when a... webhook</p> <p> → </p> <p>When an issue is labeled in GitHub, this integration sends a message to a Google Chat space with the issue details.</p>	<p>Send a message to a Slack channel whe... webhook</p> <p> → </p> <p>When a new Shopify order is placed, automatically post an order notification message to a designated Slack channel.</p>

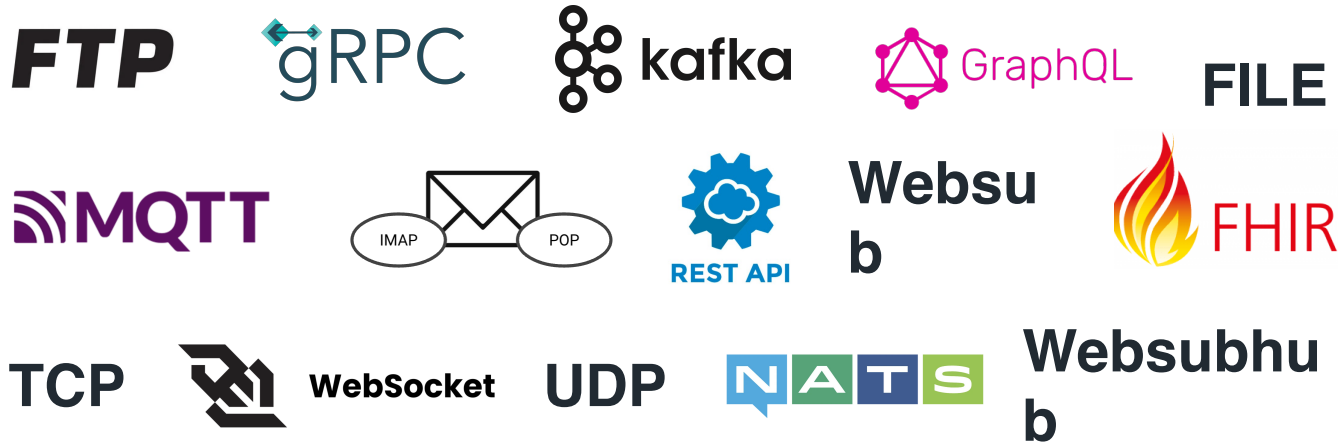


Connectors

- 600+ pre-built connectors
- Generate custom connectors via OpenAPI, WSDL specifications
- **NEW** AI-powered connector generation pipeline which helps to quickly deliver fully tested, production-ready connectors
- **NEW** Connector store

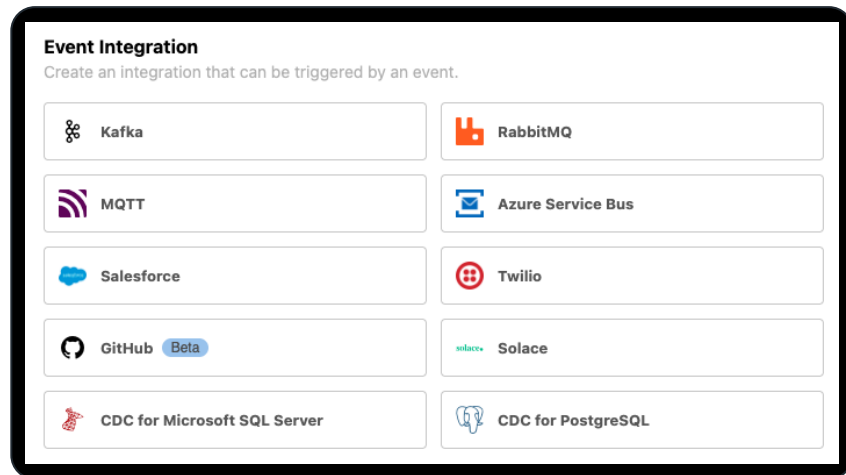


Support for a variety of protocols



Event integration enhancements

- First-class integration with Solace
 - Publish/subscribe to topics and queues
 - Can leverage fine-grained access control model of Solace
- Enhanced Change Data Capture (CDC)
 - MSSQL, PostgreSQL Support
 - Liveness, readiness checks for CDC listeners



File integration enhancements

- A new coordination model to ensure conflict-free multi-node file processing
 - Exactly-once file processing
 - Elimination of duplicate reads
 - Prevention of race conditions
 - Automatic failover in clustered environments
- Improved reliability and fault tolerance in file handling
 - Sophisticated retry mechanisms
 - Exponential backoff
 - Circuit breaker patterns
 - Intelligent transient vs fatal error detection
- File types - CSV (streaming, failsafe)
- Improved FTP Listener and Client Capabilities (FTP, SFTP, FTPS)



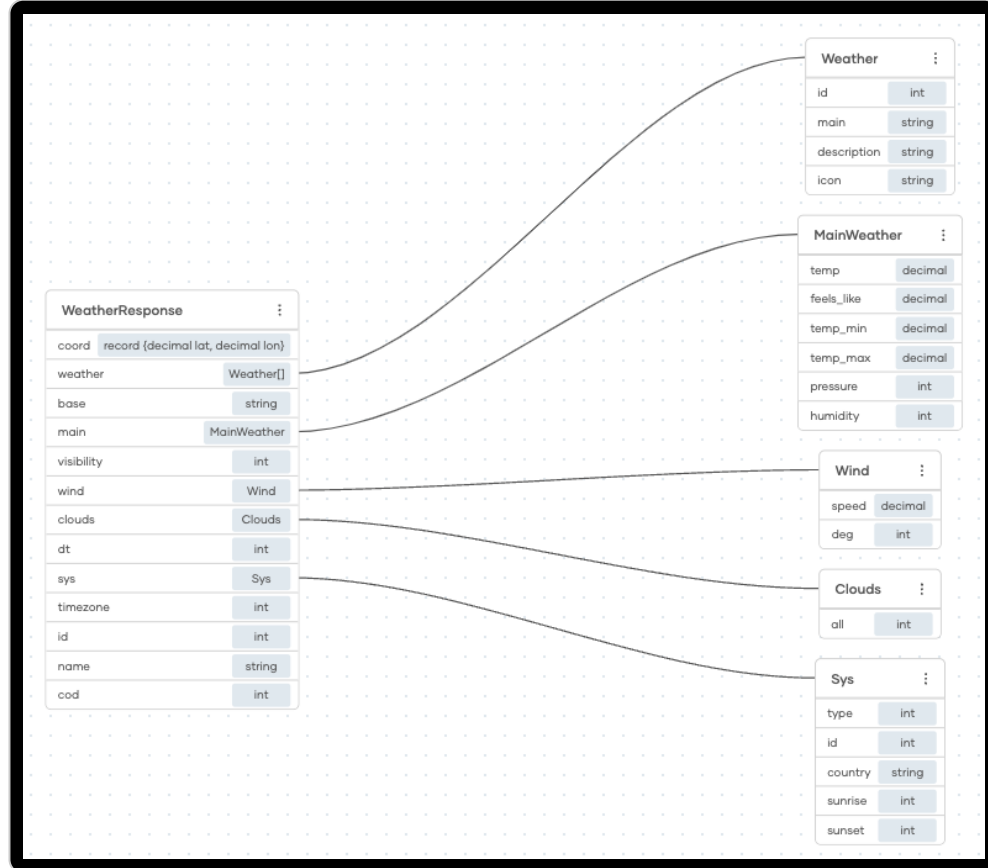
Better abstraction for type/data

- Communicating with similar services (or different versions of a service) where most data is common, and may have service specific data
- Therefore, network programs need to have better data representation
 - Structured data - where type is identified by structure rather than type name
 - Open records/closed records - where open records allow additional fields to be allowed
 - Optional and nillable fields - some fields can be optional, or can take nil/null values



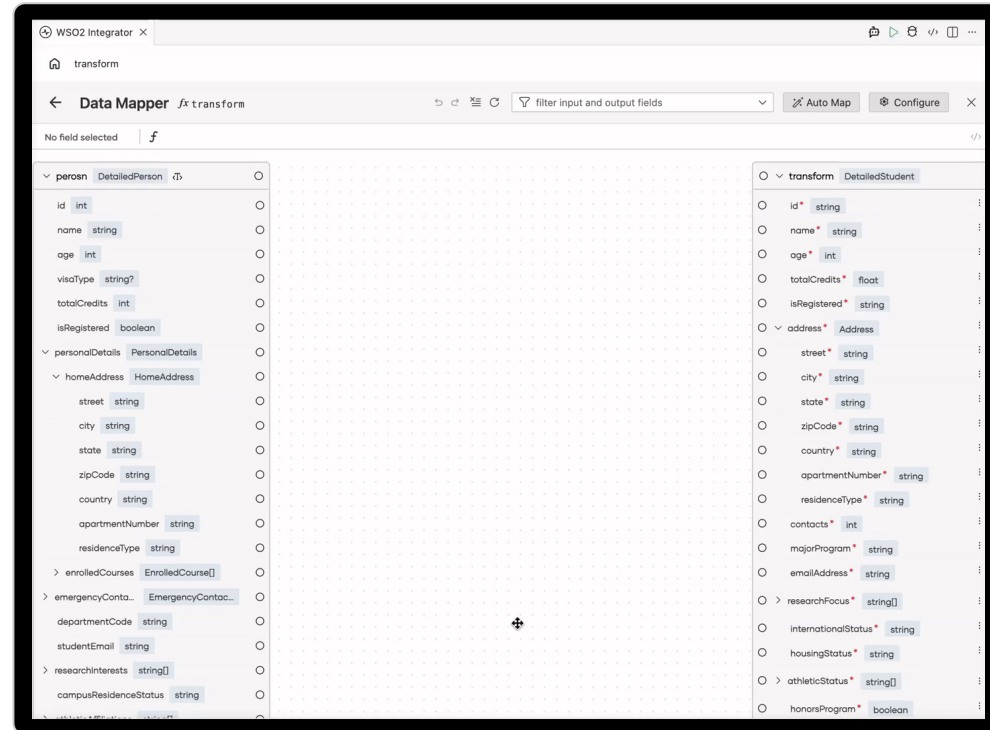
Visualize data

- Easily understand data types, and the relationships between them at a glance
- Useful when using connectors, which requires working with several data types



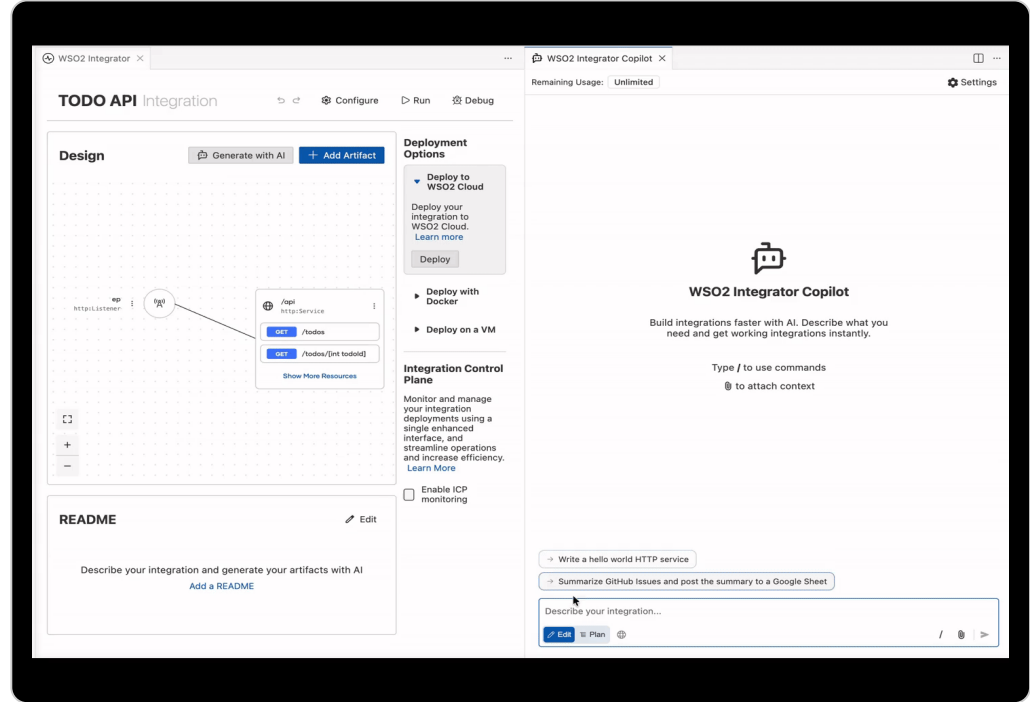
AI-assisted data mapping

- Automatically map data fields between the source and target schemas using AI and a graphical interface
- Upload documents to provide additional knowledge, and assist the data mapping
- Directly import JSON and XML data values, perform array-to-array data transformations, write custom expressions, and more



AI-assisted testing

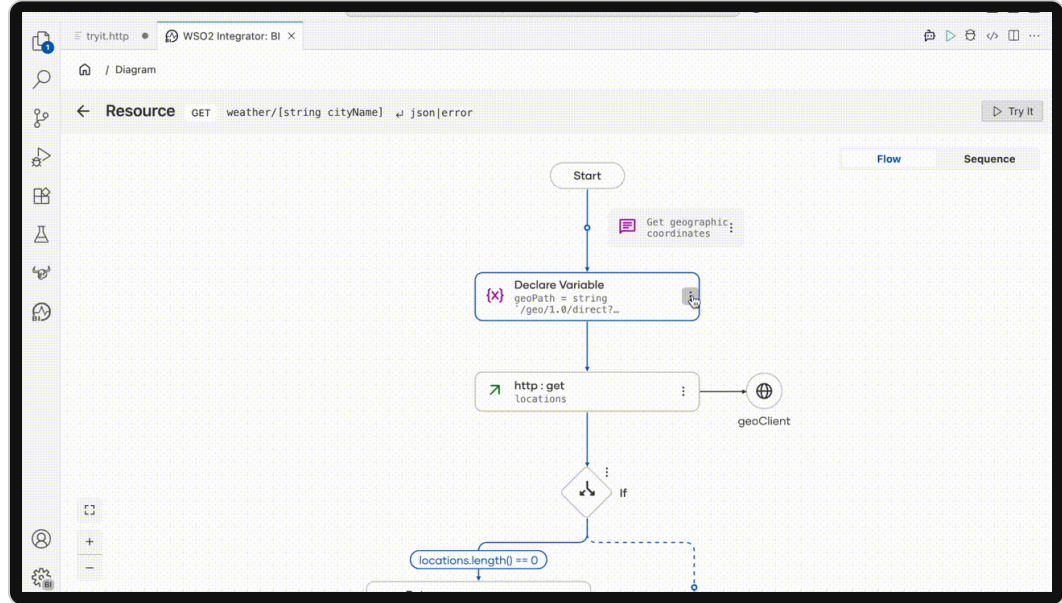
- AI-powered test framework to automatically generate test cases



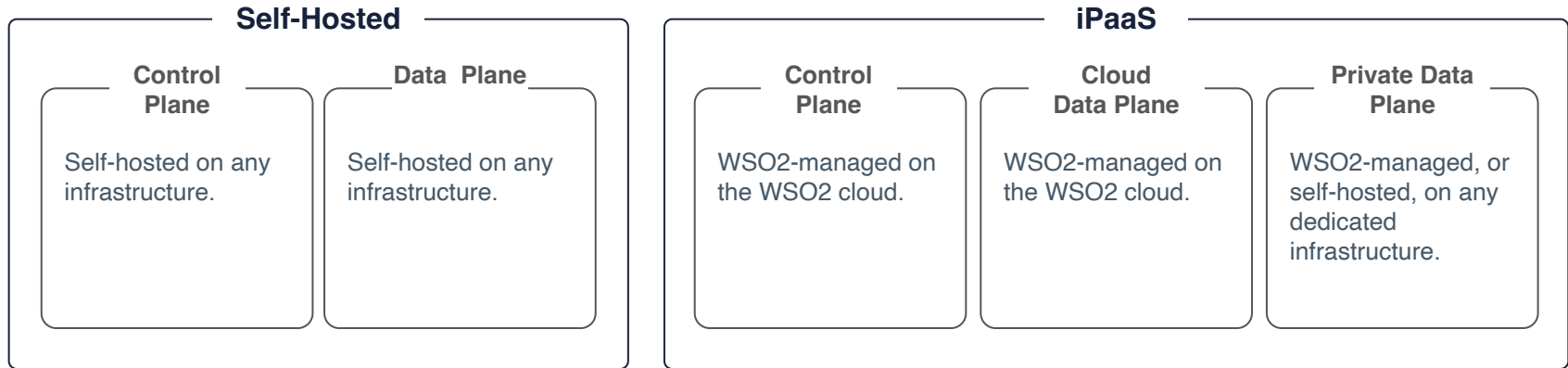
Debugging

- Visual debugging with low-code level breakpoints, and the ability to inspect variables
- Simultaneous low-code and pro-code debugging
- AI powered debugging using WSO2 Integrator copilot

NEW



Flexible deployment options



Centralized monitoring and management

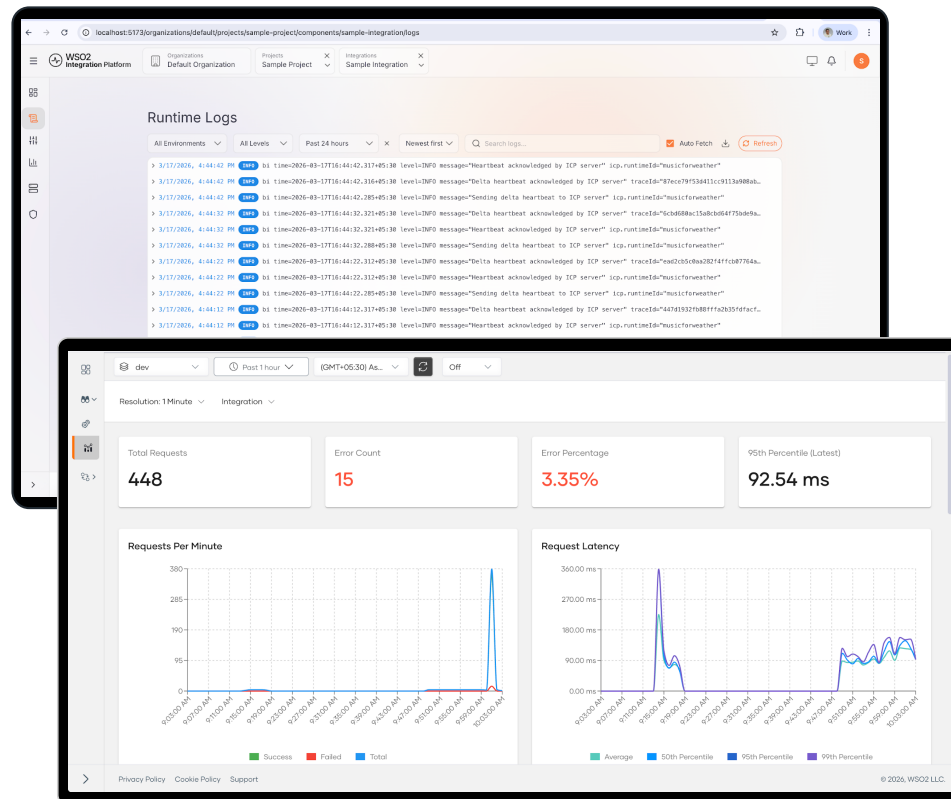
- Unified control plane to monitor and manage all integrations
- Centralized operational control to start and stop integrations across environments
- Ability to change log levels at runtime
- Secure authentication with built-in login, OIDC-based SSO, and external user store support
- Project/environment-scoped RBAC

NEW

NEW

NEW

NEW



Observability

- Out of the box observability in the control plane
- Observable by any 3rd party “Open Telemetry compatible” observability platforms
- Supports well-known industry vendors such as Moesif, Prometheus, Grafana, Jaeger, Zipkin, and Elastic Stack
- Deeper integration with Moesif

NEW



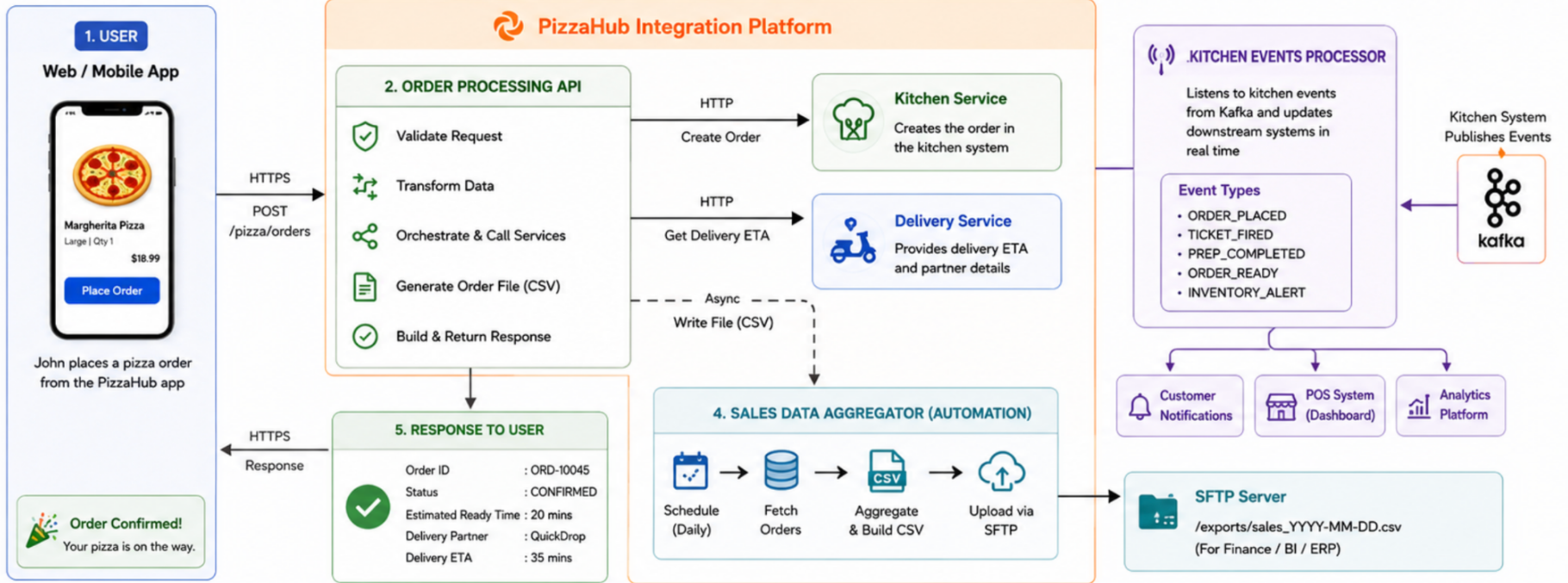
Use Case Overview

<https://github.com/wso2con/2026-AUS-integration-tutorial-1>



PizzaHub – End to End Scenario (User's Perspective)

Order a pizza. We handle the rest!



What the user experiences



1. User places an order via the app



2. Gets instant confirmation with ETA



3. Kitchen events update status in real time

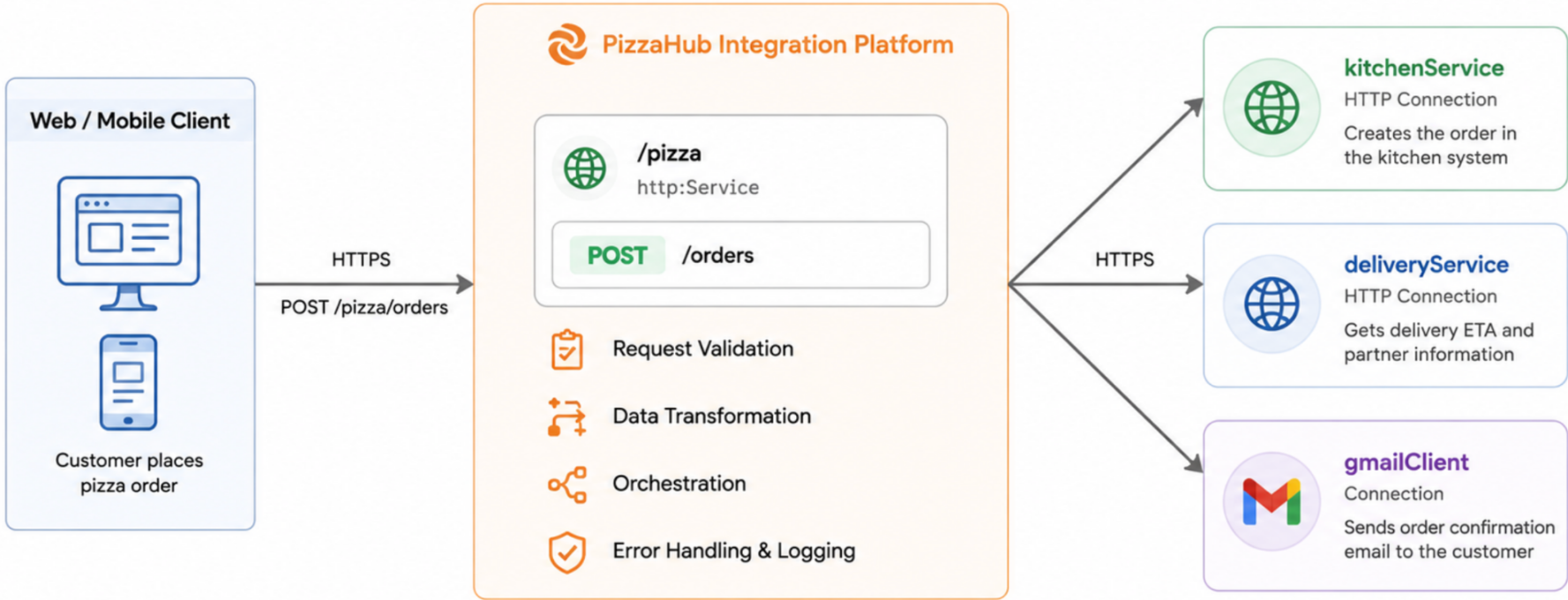


4. Data is aggregated daily for reports automatically

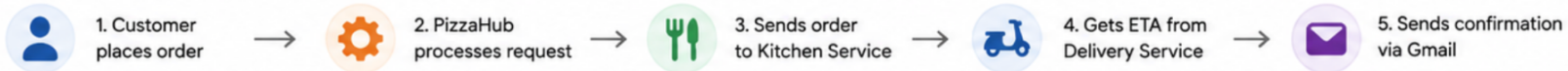


5. Reports are available for Finance / BI / ERP via SFTP

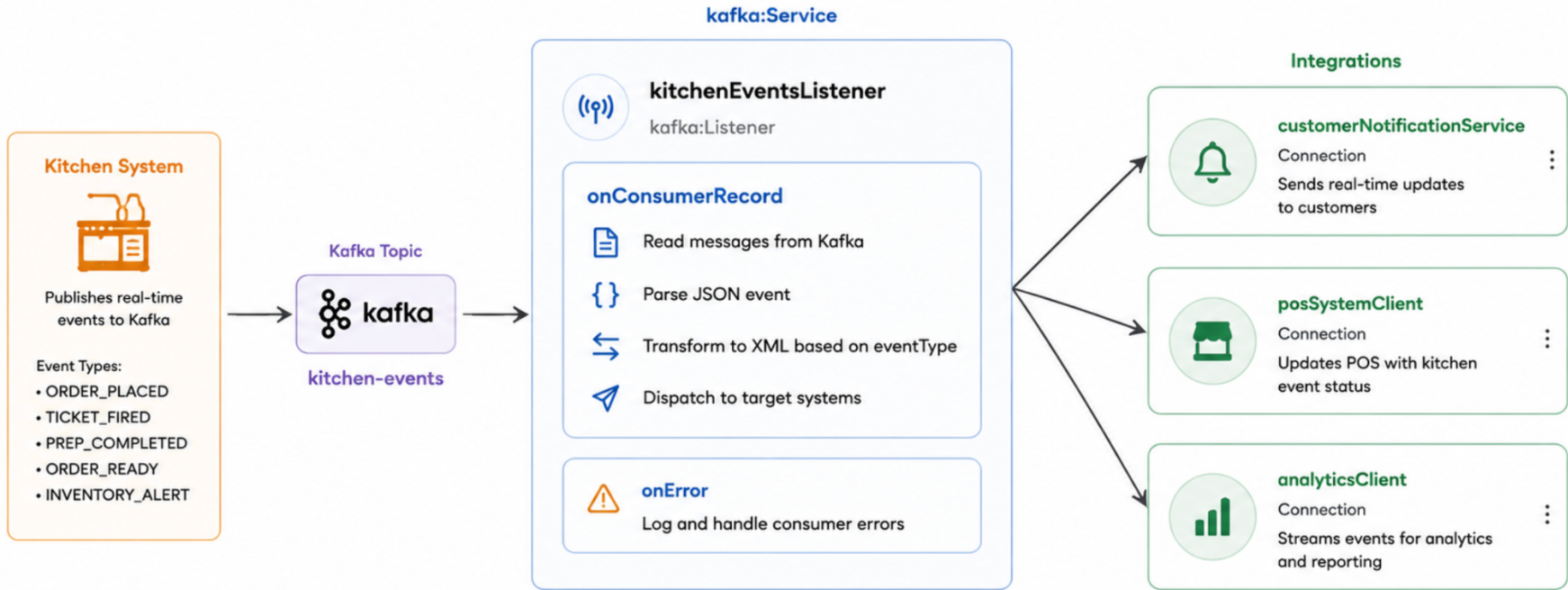
Demo - Part 1



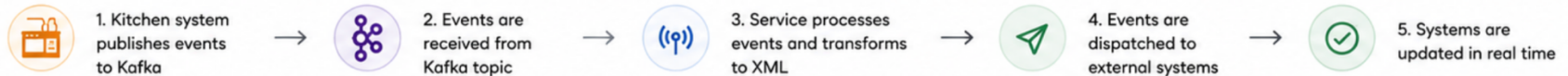
Flow Summary



Demo - Part 2



Flow Summary



Event Types Handled

ORDER_PLACED

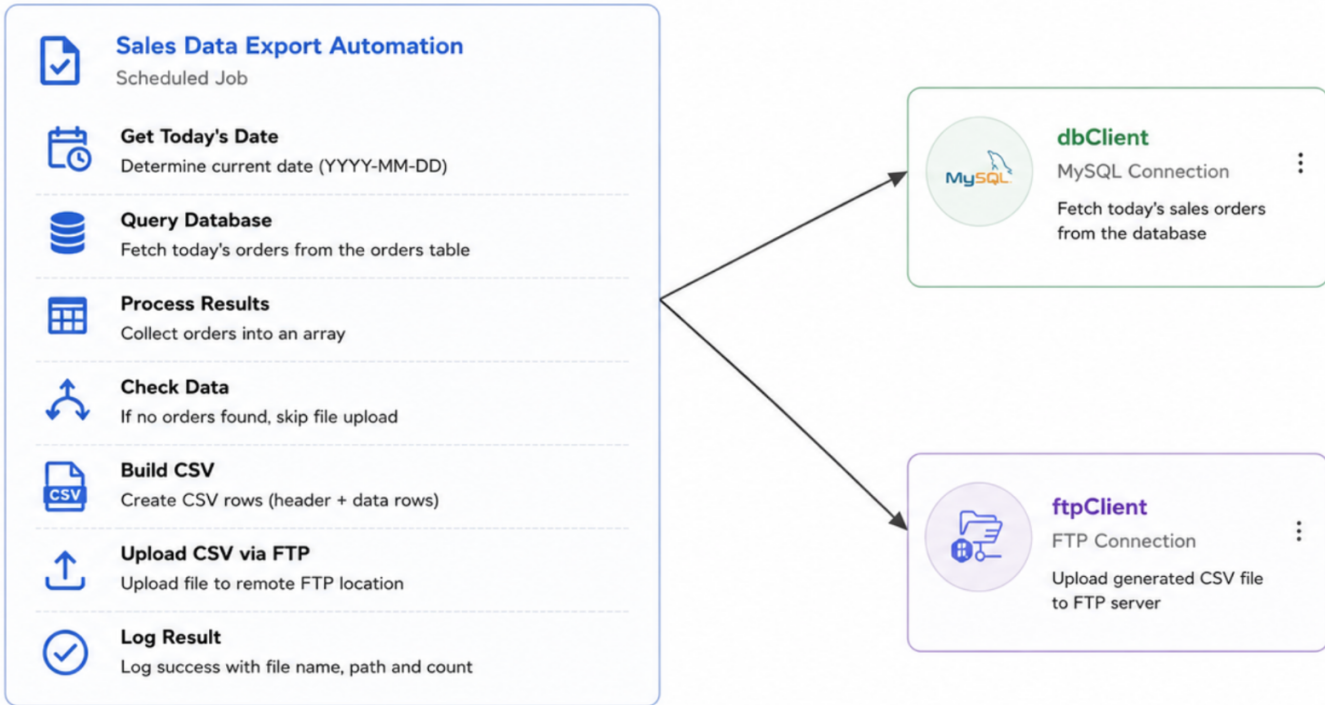
TICKET_FIRED

PREP_COMPLETED

ORDER_READY

INVENTORY_ALERT







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Thank You!



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