

WSO2con2025

**Devant:
The iPaaS Shining in the
Cloud and AI-Native Era**



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Integration

- All development in enterprise is integration
 - Enterprises have gone through disaggregation of functionality for agility, scale, and efficiency.
 - New development is re-assembling them according to business requirements.
APIs are the new DLLs
- Everyone wants to write applications
 - Pro-code, Low-code, Vibe coding
- Integration = APIs + Data + Events + AI
 - AI to simplify development experience
 - AI to bring intelligence to applications



Integration challenges in AI Era

- GenAI lowers the skill requirements, but it may result in less experienced integrators taking shortcuts that could negatively impact maintainability in the long run
- Ensuring that documentation, code, and design remain aligned is crucial for addressing the long-term maintainability of integration
- You need a platform improve the productivity, yet enforce the best practices and SDLC

To build an effective iPaaS for the AI era, it is essential to address all these challenges

NEW RELEASE!

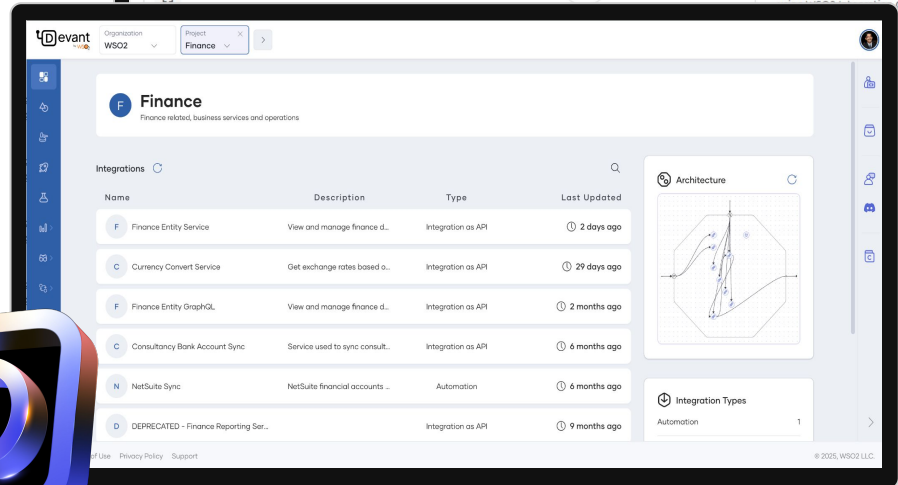
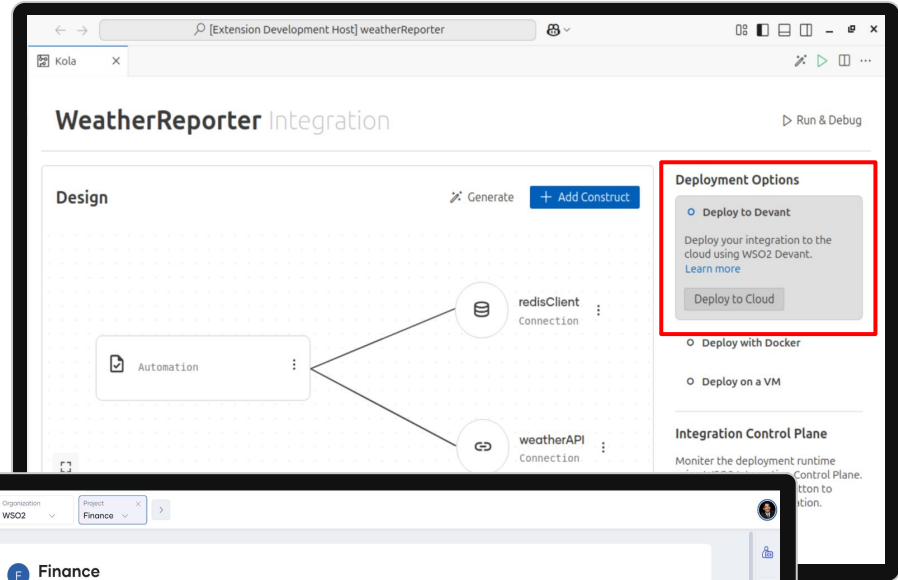


Integration for the AI era!

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

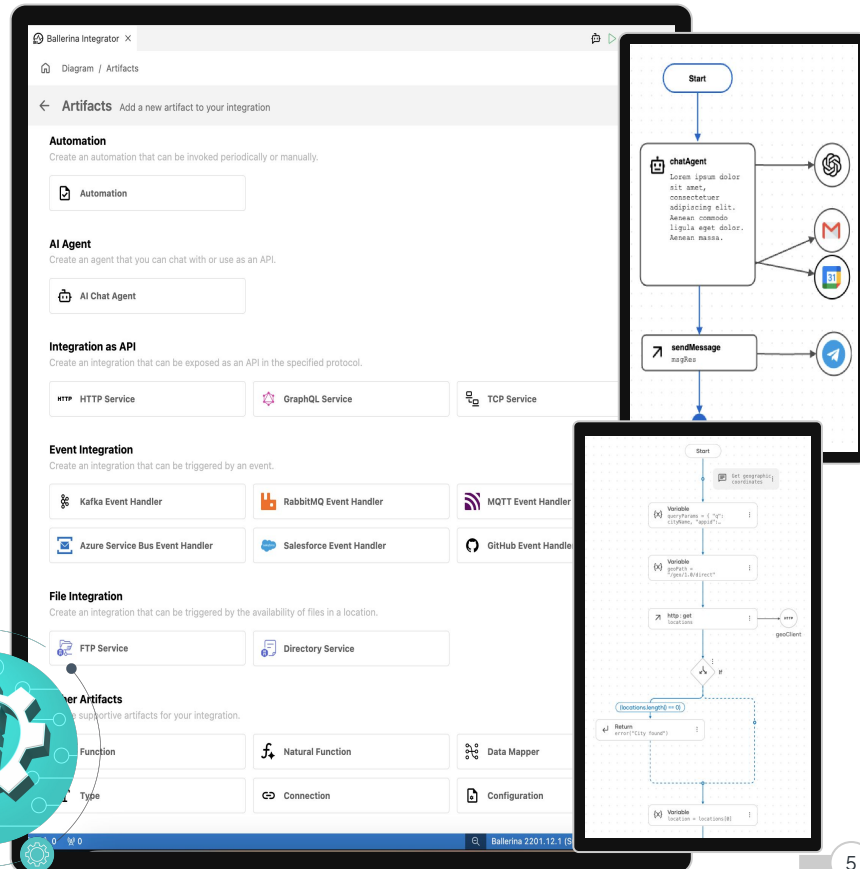
First-class support to **create intelligent digital experiences using integration.**

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

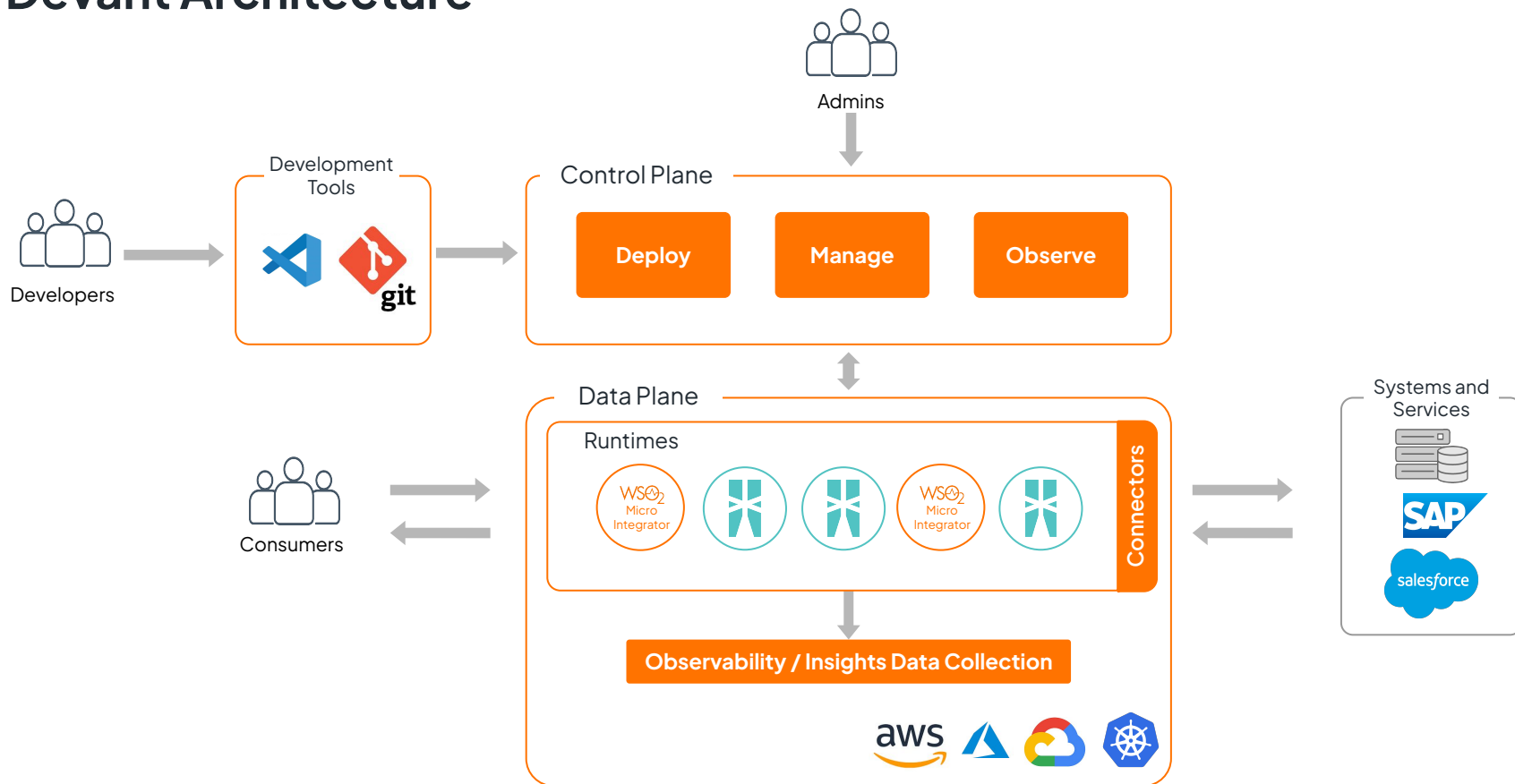


Development Experience & Integration Capabilities

- Leverages WSO2 Ballerina Integrator and WSO2 Micro Integrator capabilities
 - WSO2 Streaming Integrator support - coming soon
- Offers VS Code-based development experience
 - Browser based development experience - coming soon
- Can interact with Devant through web console or VS Code



Devant Architecture



Solve any integration challenge



Automations



AI Agents



**Integrations as
APIs**

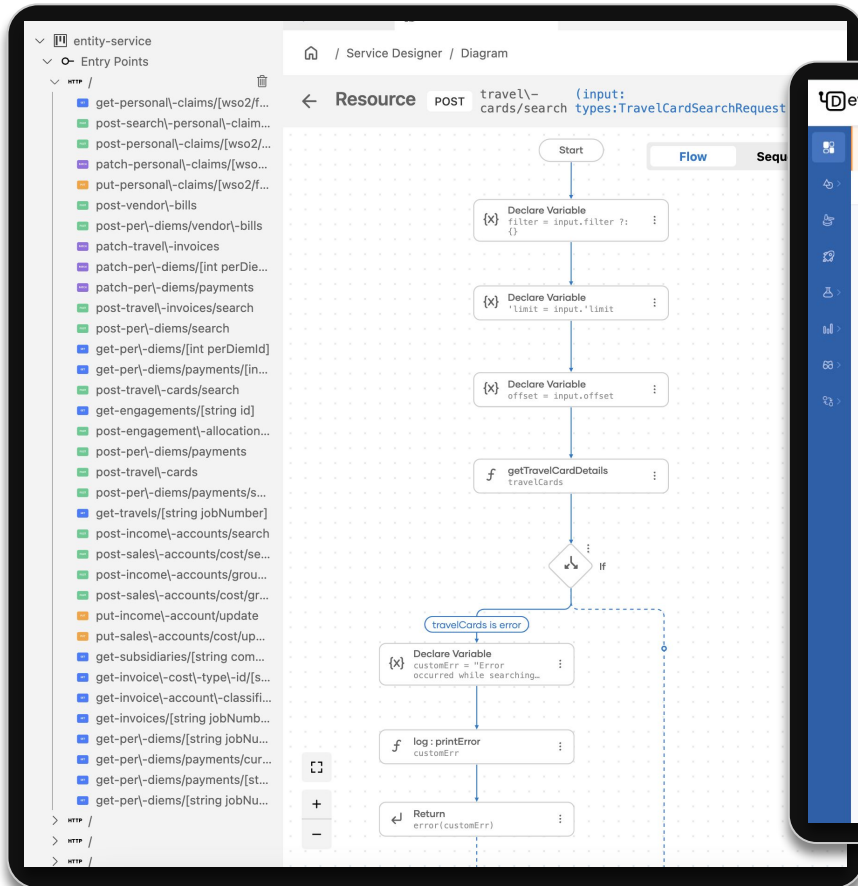


**Event-based
integrations**



**File-based
integrations**

Create and manage integrations as APIs



The screenshot shows the Deviant API management console for the 'Finance Entity Service'. The top navigation bar includes 'Organization WSO2', 'Project Finance', and 'Integration Finance Entity Service'. A warning message states: 'The digiops-finance repository has reached the limit of 20 webhooks. Auto Deploy on Commit is disabled for this integration.' The main content area displays the service details, including the source URL `https://github.com/wso2-enterprise/digiops-finance/tree/main/entity-service` and the latest commit `2ac2f9f renamed last_updated_at to last_...` from 5 days ago. The 'Development' environment is shown as 'Suspended'. The 'Staging' environment is 'Active'. The console displays the following API endpoints:

- POST** `/engagement-allocations/search` Search engagement allocations for a given filter criteria.
- GET** `/engagements/{id}` Get engagements by id.
- PUT** `/income-account/update` Update income account for a given parameters.

Key performance indicators (KPIs) are displayed at the bottom:

- Total Traffic: **4026**
- Error Count: **204**
- Average Error Rate: **5%**
- 99th Percentile Latency: **1192.75ms**

Create and manage automations

The screenshot shows the Devant interface for managing an automation. The top navigation bar includes the Devant logo, Organization (WSO2), Project (Customer Success), and Integration (Threat Intel Notificati...). The left sidebar contains navigation options: Overview, Develop, Build, Deploy, Test, Insights, Observability, and Admin. The main content area displays the 'Threat Intel Notification Task' automation. It includes a description, source code link, latest commit information, and a table of production runs. A summary bar at the bottom shows key metrics: Error Rate (0.00%), Average Duration (36.30sec), 99th Percentile Latency (37.00sec), and Total Executions (10).

Threat Intel Notification Task
Automation

This Schedule Trigger is designed to detect and notify about potential cyber security threats in real-time.

Source: <https://github.com/wso2-enterprise/digiops-cs/tree/main/operations/threat-intel-tool>

Latest Commit: [cece711](#) modified the code according to su... 2 years ago by Senal

Build Status: Waiting for build.

Production [cece711](#) modified the co...

Executes every 15 minutes, in time zone Asia/Colombo

Triggered At	Duration	Commit ID	Latest Logs
Today at 22:15:00	36s	cece711	View Logs
Today at 22:00:00	37s	cece711	View Logs
Today at 21:45:00	34s	cece711	View Logs
Today at 21:30:00	37s	cece711	View Logs
Today at 21:15:00	37s	cece711	View Logs

Rows per page: 5 1-5 of 2890

Error Rate 0.00%

Average Duration 36.30sec

99th Percentile Latency 37.00sec

Total Executions 10

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Create and manage AI Agents

The image displays the Devant AI Agent management interface, illustrating the process of creating and managing AI agents.

AI Agent Creation Wizard: The left panel shows the 'AI Agent' creation wizard with three steps: 1. Basic Agent Setup, 2. Model Configuration, and 3. Tool Integration. Under 'Add New Tool', users can search for connectors like Gmail and Google Calendar. A flow diagram shows a 'Start' node leading to an 'aiAgent' node (with a code snippet: `screen ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse interdum diam ut justo sed tincidunt. Sed tincidunt.`) which connects to icons for OpenAI, Gmail, and Google Calendar. This is followed by a 'sendMessage' node connected to a Telegram icon.

ai-math-tutor-agent Overview: The main panel shows the 'ai-math-tutor-agent' overview page. It includes the organization name 'devant manu', project 'Default', and integration 'ai-math-tutor-agent'. The deployment track shows 'main API v1.0'. The agent's GitHub repository is `https://github.com/manuranga/ai-chat-tutor-agent-example/tree/main/`. The commit is `74eb945 remove dependencies` from 2 days ago by Manuranga. The status is 'Build completed'. The deployment is active, and there are buttons for 'Configure', 'Test', 'View Logs', 'Stop', and 'Promote'. A chat input field is visible with a 'Send' button. A message at the bottom states 'AI agent chat not available.'

Configuration Panel: The right panel shows the 'Configure' section for the agent. It lists 'Required Configurables' such as `admin/tryouts`, `apiKey` (string), `deploymentId` (string), `gpt4o`, `apiVersion` (string), and `serviceUrl` (string). The `serviceUrl` is set to `https://ballerina-ai-eastus.openai.azure.com/openai`. There are also 'Defaultable Configurables'. Buttons for 'Cancel' and 'Next' are at the bottom.

AI Capabilities

- Development of AI agents, RAG applications are through WSO2 Ballerina Integrator & WSO2 Micro Integrator
- Discovery and use of AI agents
- Data ingestion for RAG knowledge base
- Ability to create vector databases
- Ability to register LLMs, manage egress traffic with AI Gateway (coming soon), apply guardrails (coming soon)
- Ability to configure “eval frameworks” for AI testing (coming soon)
- Organization-wide visibility and governance using AI (roadmap)



Enterprise Capabilities

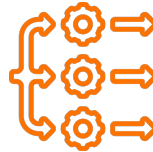
Organizations and projects with configurable roles



Support for multi-cloud, hybrid cloud



Multi-environment & multiple versions



Secure by default with zero trust, secret management



Observability and usage insights



Convert integrations as APIs into managed APIs



Discover and reuse APIs



Ability to create databases, message brokers



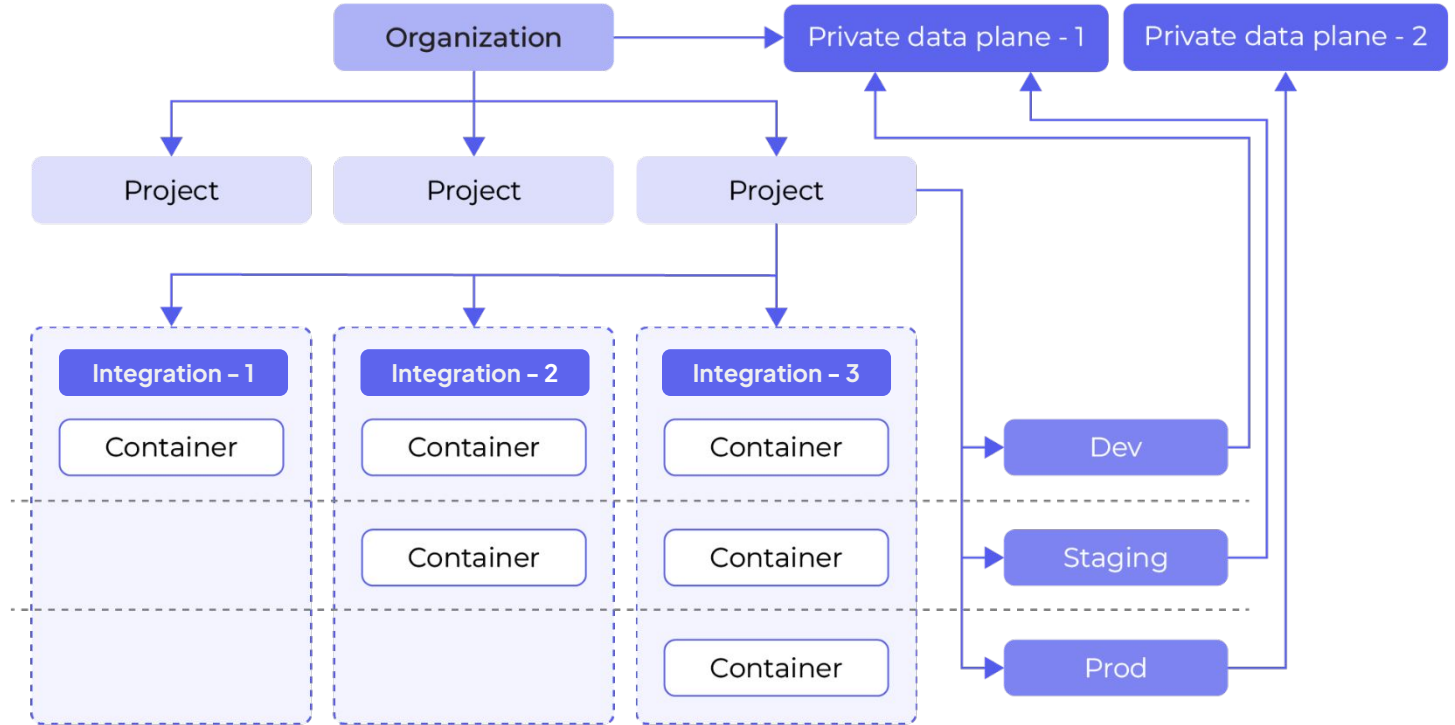
Built-in CI/CD, DevOps

Hierarchies, Teams, and Permissions

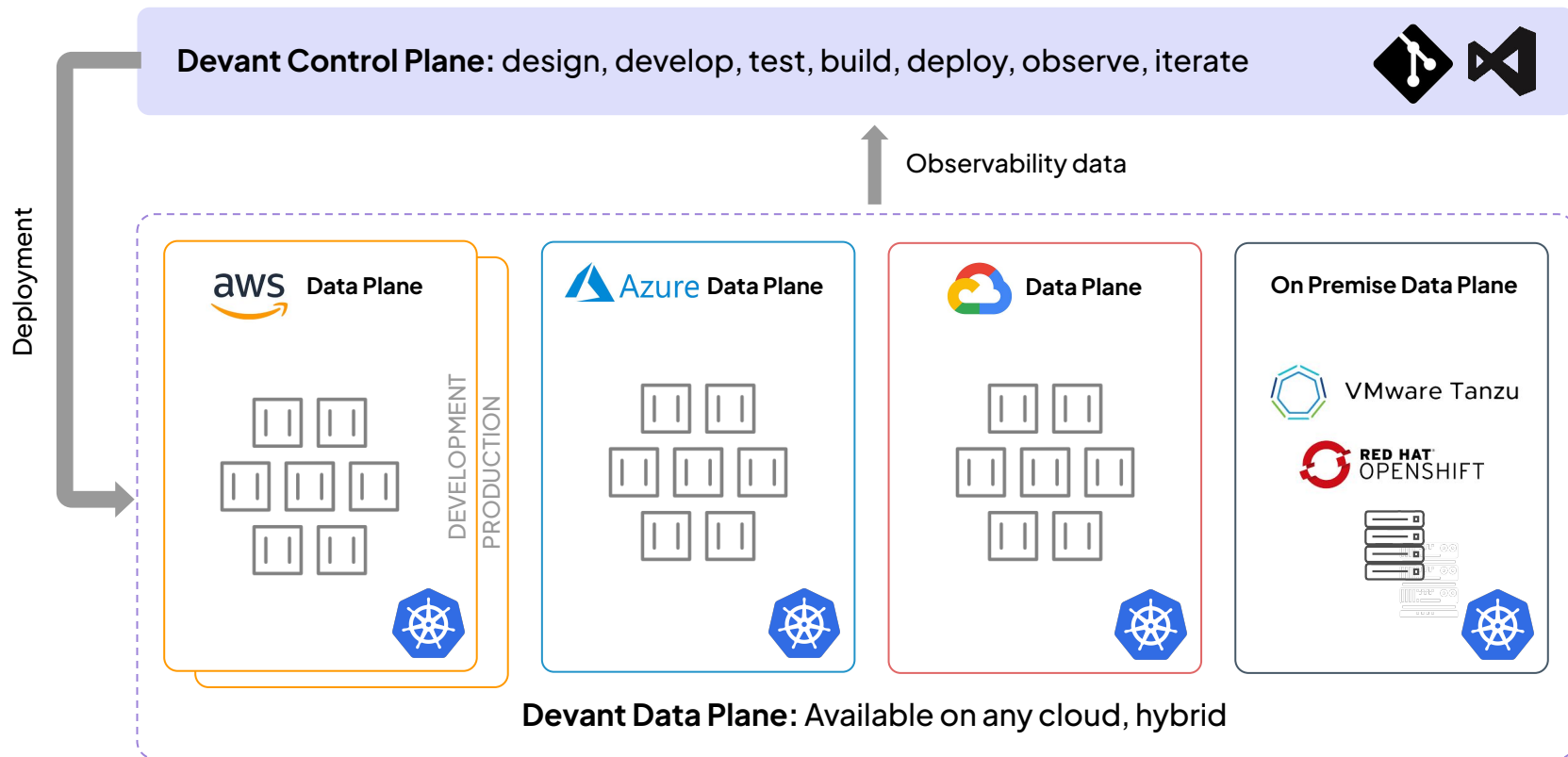
Org level access management

Proj level access management

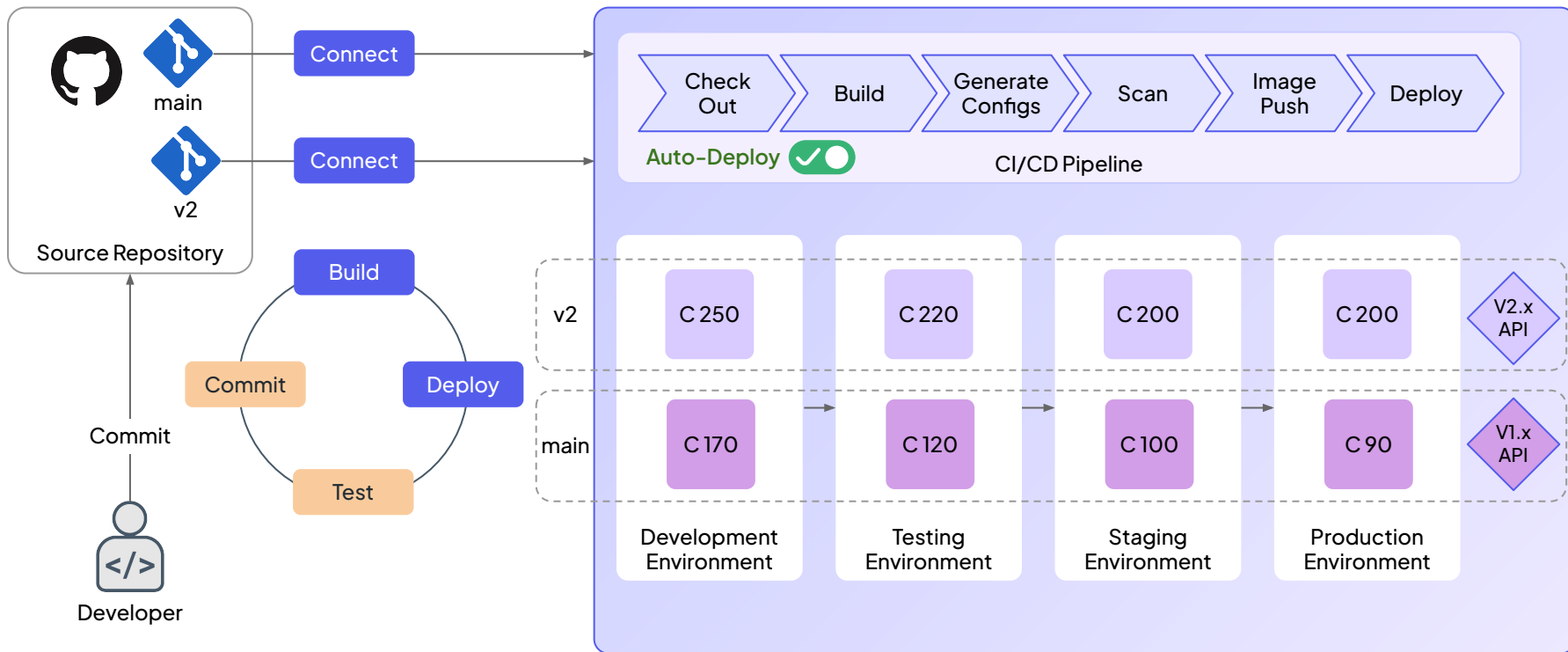
Env level access management



Multi-Cloud



Multiple Environments & Multiple Versions



Multiple Environments & Multiple Versions

The screenshot displays the Devant API Gateway interface for a resource download process. The top navigation bar shows the Organization (WSO2), Project (Marketing), and Integration (Resource Download P...). The main content area is titled "Deployment track" and "Resource Download Process".

Key elements highlighted with red boxes:

- Deployment track:** A dropdown menu showing the selected environment as "main" and API version as "API v1.2". Below it, a list of deployments includes "operation-resource-down..." with API v1.0 and "main" with API v1.2.
- Development Environment:** A section for the "Development" environment, which is active. It shows the Base URL: `https://apis-devwso2.com/gnvy/resource-download-process/endpoint-9090-803/v1.2`. The API endpoints listed are:
 - POST `/download-requests`: Generate a limited lifetime UUID to associate with the provided resource download request information (which will be stored in the system) and return the UUID.
 - POST `/download-requests/{uuid}/consume`: Consume the resource download request associated with the given UUID and return the download request details.
 - GET `/health-check`
- Staging Environment:** A section for the "Staging" environment, which is also active. It shows the Base URL: `https://apis-stg.wso2.com/gnvy/resource-download-process/endpoint-9090-803/v1.2`. The API endpoint listed is:
 - POST `/download-requests`: Generate a limited lifetime UUID to associate with the provided resource download request information (which will be stored in the system) and return the UUID.

Performance metrics for the Development environment are displayed below the endpoints:

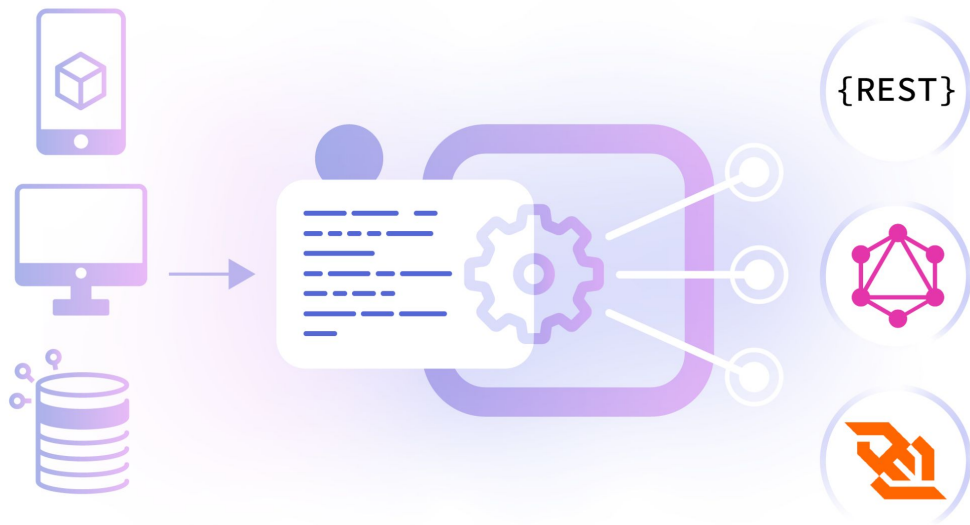
- Total Traffic: 18
- Error Count: 2
- Average Error Rate: 11%
- 99th Percentile Latency: 14360ms

Additional features on the right side include "Open with VS Code", "Developer Portal", "Configure Security", "Configure Policies", "Lifecycle Status" (Created), and "Compliance Summary".

Footer information includes "Terms of Use", "Privacy Policy", "Support", and "© 2025, WSO2 LLC."

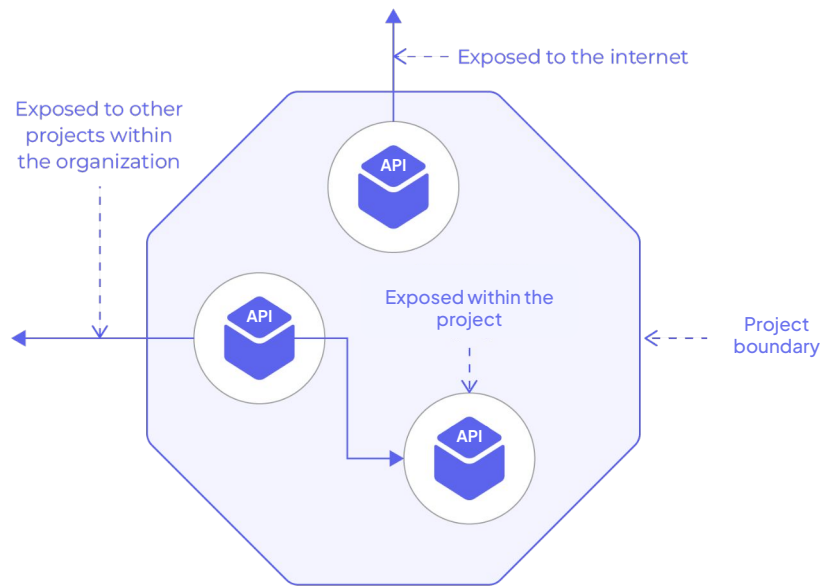
API Management

- Ability to expose integrations as managed APIs
- Comprehensive API management features, including security, throttling, rate limiting
- Developer portal for discovering APIs



Secure by Default

- Built-in secure secret management
- Built-in zero trust security architecture
- Cell architecture with API gateways at the boundaries to prevent unauthorized access (ingress & egress)
- Patches and updates applied automatically



Platform services

- Databases
- Vector databases
- Message brokers
- FTP (Future)

Create Database Server

Select Cloud Provider

Digital Ocean Google Cloud Platform Amazon Web Services Microsoft Azure

Select Region

Australia Europe United States

Select Service Platform

Hobby List \$0.03 /hour

Hobby List \$0.10 /hour

Hobby List \$0.48 /hour

Hobby List \$0.88 /hour

+ Create

Observability

The screenshot displays the Devant observability interface. At the top, it shows the organization 'WSO2' and the project 'Finance'. The main area is divided into two sections: a service dependency graph on the left and a log viewer on the right.

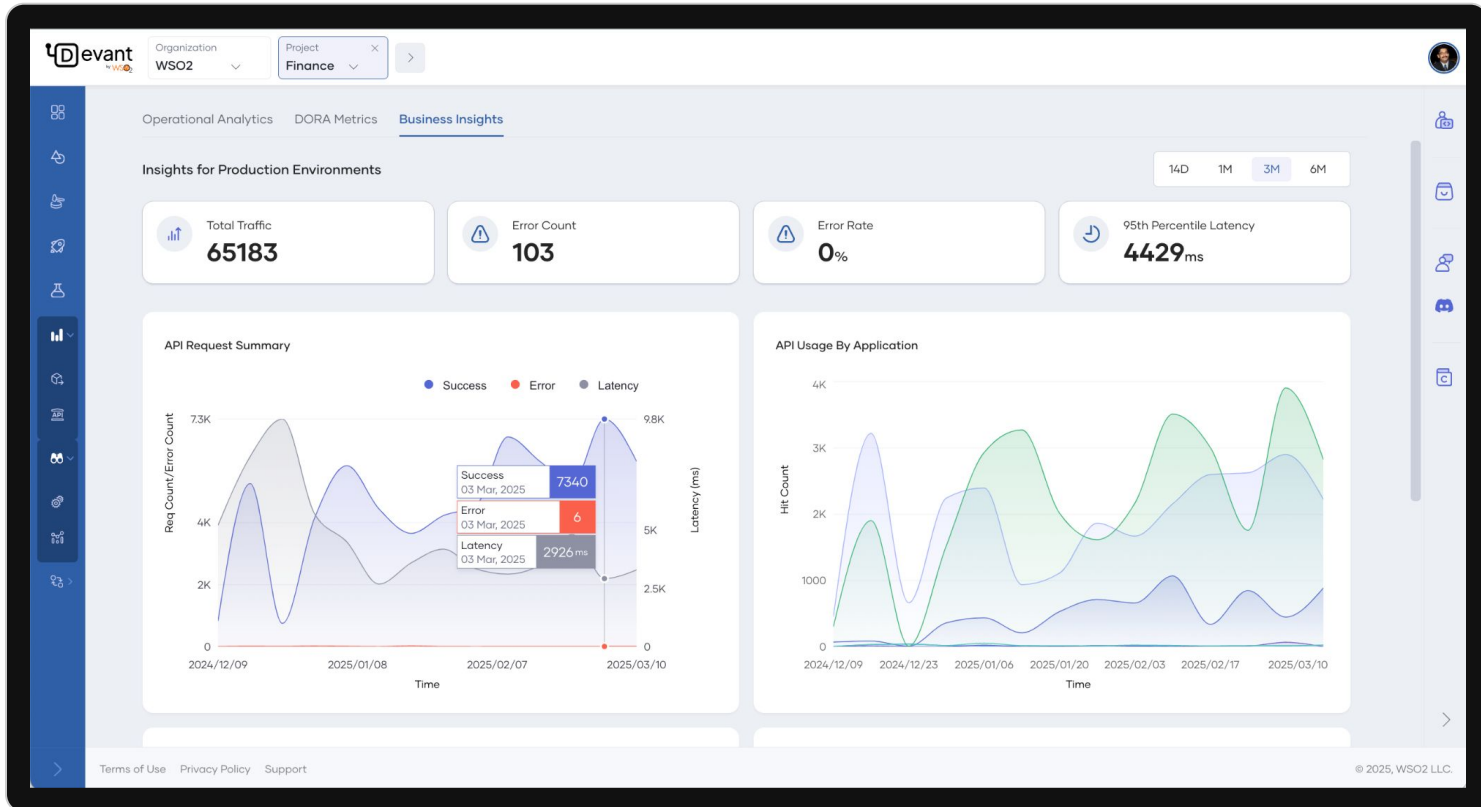
Service Dependency Graph: The graph shows a network of services. A blue path highlights a dependency chain starting from 'currency-converter' and 'finance-entity', leading to 'NetSuite-Sync', and finally to 'HR-Entity-WS-Entity'. A tooltip for 'v1.0' provides performance metrics:

Metric	Value
Request Count	3,8211,607,294,848,077
Error Percentage	5.26%
Average Latency	0.00 ms
99% Latency	0.00 ms
90% Latency	0.00 ms
50% Latency	0.00 ms

Log Viewer: The right side shows a list of log entries with timestamps, service names, and details. The logs include:

- 2025-03-11T20:23:55.271+05:30 Finance-Entity-Service {"time":"2025-03-11T14:53:55.270Z", "level":"ERROR", "modu...
- 2025-03-12T01:00:07.277+05:30 NetSuite-Sync {"time":"2025-03-11T19:30:07.196Z", "level":"INFO", "module":"wso2/...
- 2025-03-12T01:00:09.478+05:30 NetSuite-Sync {"time":"2025-03-11T19:30:09.389Z", "level":"ERROR", "module":"wso2/...
- 2025-03-12T01:00:09.777+05:30 NetSuite-Sync {"time":"2025-03-11T19:30:09.776Z", "level":"ERROR", "module":"wso2/...
- 2025-03-12T01:00:10.075+05:30 NetSuite-Sync {"time":"2025-03-11T19:30:10.074Z", "level":"ERROR", "module":"wso2/...
- 2025-03-12T01:00:10.089+05:30 NetSuite-Sync {"time":"2025-03-11T19:30:10.088Z", "level":"ERROR", "module":"wso2/...
- 2025-03-12T01:00:10.798+05:30 NetSuite-Sync {"time":"2025-03-11T19:30:10.797Z", "level":"ERROR", "module":"wso2/...
- 2025-03-12T01:00:10.811+05:30 NetSuite-Sync {"time":"2025-03-11T19:30:10.810Z", "level":"ERROR", "module":"wso2/...
- 2025-03-12T10:08:28.088+05:30 Finance-Entity {"time":"2025-03-12T04:38:28.088Z", "level":"ERROR", "module":"bal...
- 2025-03-12T10:08:29.119+05:30 Finance-Entity {"time":"2025-03-12T04:38:29.119Z", "level":"ERROR", "module":"bal...
- 2025-03-12T10:08:30.385+05:30 Finance-Entity {"time":"2025-03-12T04:38:30.385Z", "level":"ERROR", "module":"bal...
- 2025-03-12T10:08:31.871+05:30 Finance-Entity {"time":"2025-03-12T04:38:31.871Z", "level":"ERROR", "module":"bal...
- 2025-03-12T11:51:19.629+05:30 Finance-Entity {"time":"2025-03-12T06:21:19.629Z", "level":"ERROR", "module":"bal...
- 2025-03-12T11:51:21.405+05:30 Finance-Entity {"time":"2025-03-12T06:21:21.405Z", "level":"ERROR", "module":"bal...
- 2025-03-12T11:51:23.083+05:30 Finance-Entity {"time":"2025-03-12T06:21:23.082Z", "level":"ERROR", "module":"bal...
- 2025-03-12T11:51:25.289+05:30 Finance-Entity {"time":"2025-03-12T06:21:25.289Z", "level":"ERROR", "module":"bal...
- 2025-03-12T14:04:54.106+05:30 Finance-Entity-Service {"time":"2025-03-12T08:34:54.099Z", "level":"INFO", "modu...
- 2025-03-12T14:06:53.075+05:30 Finance-Entity {"time":"2025-03-12T08:36:52.981Z", "level":"INFO", "module":"wso2/...
- 2025-03-13T01:00:12.681+05:30 NetSuite-Sync {"time":"2025-03-12T19:30:12.672Z", "level":"INFO", "module":"wso2/...
- 2025-03-13T01:00:14.762+05:30 NetSuite-Sync {"time":"2025-03-12T19:30:14.746Z", "level":"ERROR", "module":"wso2/...
- 2025-03-13T01:00:14.882+05:30 NetSuite-Sync {"time":"2025-03-12T19:30:14.880Z", "level":"ERROR", "module":"wso2/...
- 2025-03-13T01:00:15.370+05:30 NetSuite-Sync {"time":"2025-03-12T19:30:15.369Z", "level":"ERROR", "module":"wso2/...
- 2025-03-13T01:00:15.383+05:30 NetSuite-Sync {"time":"2025-03-12T19:30:15.383Z", "level":"ERROR", "module":"wso2/...
- 2025-03-13T01:00:15.601+05:30 NetSuite-Sync {"time":"2025-03-12T19:30:15.600Z", "level":"ERROR", "module":"wso2/...
- 2025-03-13T01:00:15.618+05:30 NetSuite-Sync {"time":"2025-03-12T19:30:15.617Z", "level":"ERROR", "module":"wso2/...

Usage Insights



Question Time!



The background is a dark, space-like environment with a nebula of red and orange light. Scattered throughout are various 3D geometric shapes, including cubes, spheres, and pyramids, rendered in shades of blue, purple, and red. Some shapes have a glowing or translucent appearance. A large, dark sphere is visible on the left side.

Thank you!

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