

05.20.2026

Internal Developer Platform Labs



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

 Hyatt Regency Austin





OpenChoreo

A complete, open-source developer platform for Kubernetes

Ready to use from day one, built to integrate with your stack


[Quick Start](#)

[Learn More](#)



OpenChoreo is a [CNCF \(Cloud Native Computing Foundation\)](#) sandbox project.



Made with  at [WSO2](#)



Internal Developer Platform Lab

🕒 01:30 p.m. (90 mins)

Create Your Own Developer Platform with OpenChoreo



Sameera Jayasoma
Vice President & Distinguished Engineer

📍 WSO2



Manjula Rathnayake
Director - Engineering

📍 WSO2

📍 Red Room

Internal Developer Platform Lab

🕒 03:30 p.m. (90 mins)

AI-Native Platforms: Accelerating Software Development, Delivery, and Operations



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Vice President, Distinguished Engineer & GM - Choreo BU

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Create Your Own Developer Platform With OpenChoreo



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Director - Engineering

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Sameera Jayasoma

VP & Distinguished Engineer

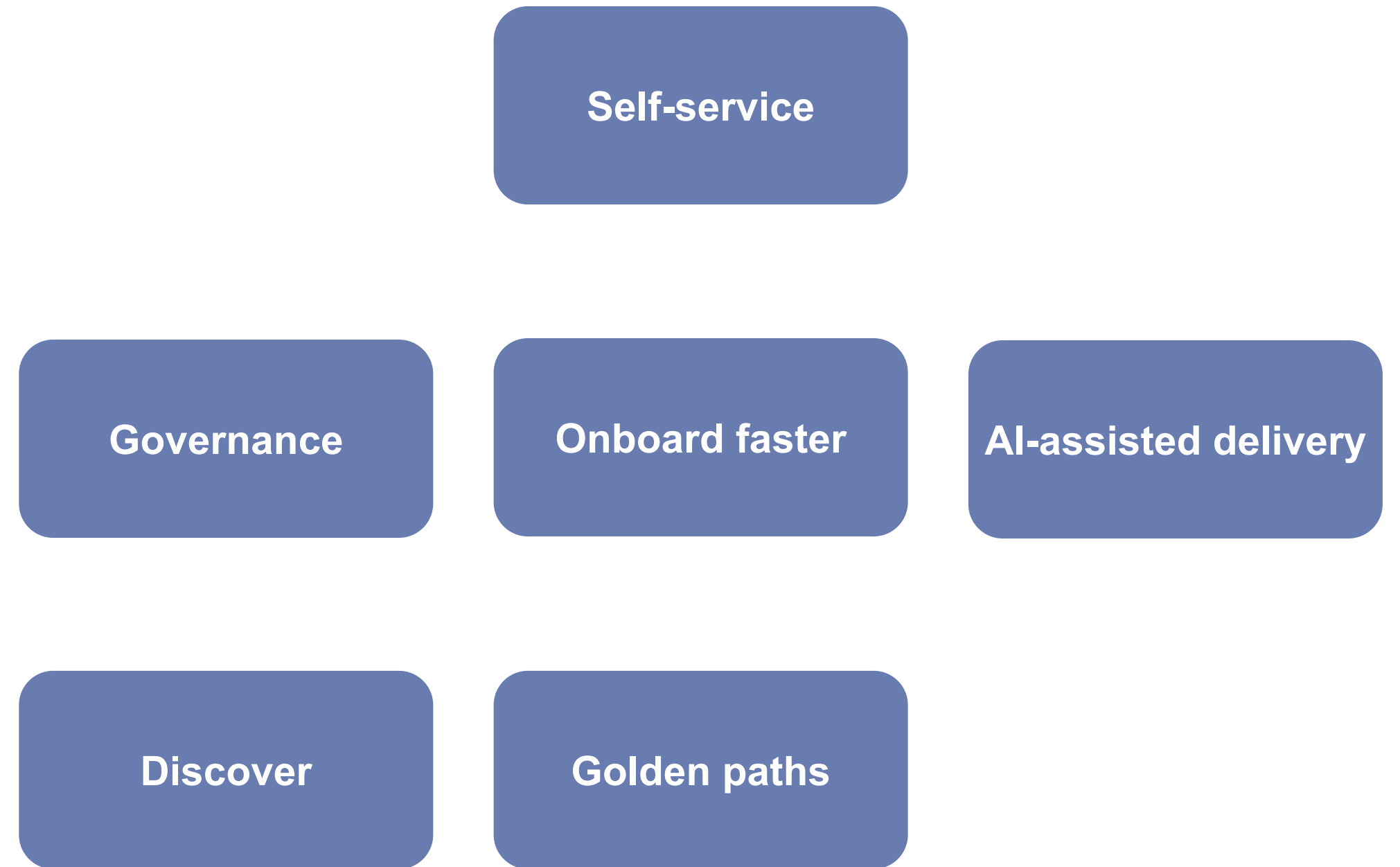
Maintainer & Lead Architect

OpenChoreo & Ballerina Platform

sameera@wso2.com

Every Company is Building a Developer Platform

The goal is speed, consistency, governance, and a better developer experience.



Developer Platform



A Developer Platform is a **self-service framework** of tools and technologies **designed and built** by the **platform team** **to help software teams** build, deploy, and manage applications independently.



DevOps vs. Platform Engineering

Platform Engineering doesn't replace DevOps.

It makes DevOps practical at scale.

DevOps is a culture.

Platform Engineering is a product.

DevOps asks every developer to learn Ops.

Platform Engineering lets developers stay developers.



THE ADOPTION CRISIS

64%

of engineers
bypassed the platform

ran kubectl directly instead

\$4.2M

spent on the IDP
18 months of work

and most engineers ignored it

80%

of large orgs will
have a platform team

Gartner, by end of 2026

**We Spent \$4M Building an IDP.
64% of Engineers Ignored It.**

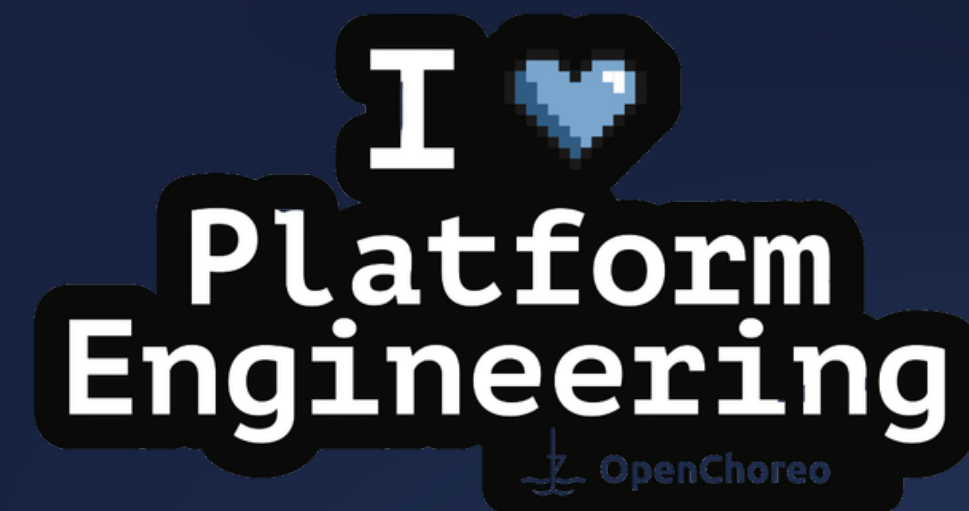
EMMANUELA OPURUM · HACKERNOON



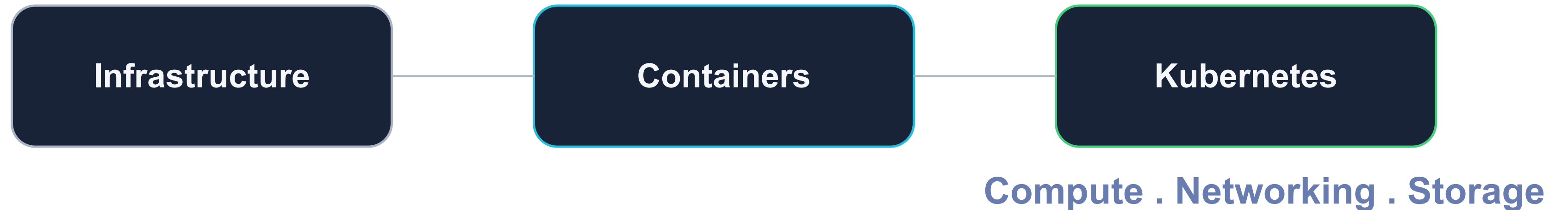
**Adoption is
Failing.
Why?**



**Built for the builder,
not the user.**



Kubernetes Solved Infrastructure Abstraction



Successful infrastructure abstraction \neq developer abstraction



Where Platforms Start Leaking

YAML

Helm

Argo CD

Ingress

RBAC

NetworkPolicy

Secrets

Gateway API

Pipelines

Developers end up dealing with operational primitives instead of product intent.



Where Platforms Start Leaking...

Developers are exposed to platform complexity and interact directly with platform components.

Developers shouldn't have to learn the platform to use the platform.

Developer Experience

CLI, YAML, Portal, MCP
Choose your workflow

Platform Engine

Kubernetes, CI/CD, observability, security, networking
Managed by platform engineers



Kubernetes is Not the Problem

This is fundamentally an abstraction problem.

A developer platform is ultimately an API design problem.

Developer API

Deploy my service

Infrastructure API

Deployment + Service + Ingress + HPA + NetworkPolicy



The API Layer Changes Everything

The contract. The API turns platform complexity into developer simplicity.

Also, makes a real DevEx possible.

Developer Experience

CLI, YAML, Portal, MCP
Choose your workflow

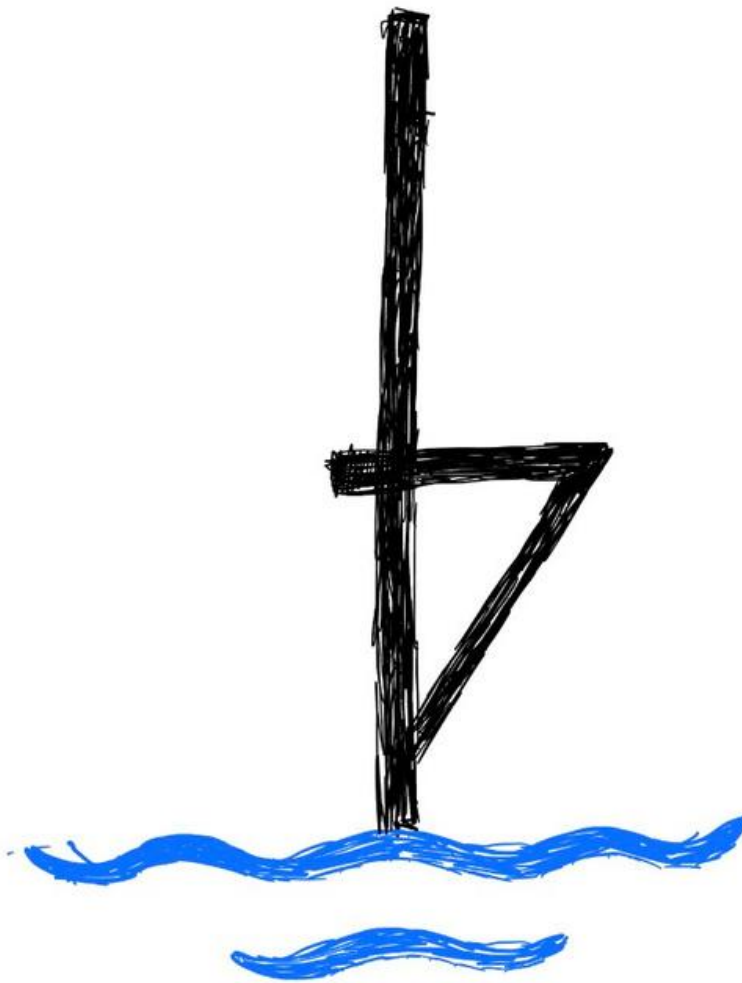
API

Capabilities offered by the platform

Platform Engine

Kubernetes, CI/CD, observability, security, networking
Managed by platform engineers





OpenChoreo



OpenChoreo



Platform Engine

Composes Kubernetes into a platform. Controllers, CRDs, policy, dependencies — wired into one system, not a pile of Helm charts.

Multi-plane by design. Control, workflow, data, and observability planes. Separation of concerns at the architecture level.

Hides Kubernetes without hiding Kubernetes. No black box. No abstraction tax.

Developer Experience

CLI, YAML, Portal, MCP
Choose your workflow

API

Capabilities offered by the platform

Platform Engine

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From this complicated landscape...

The image displays a vast grid of logos for various cloud-native technologies, organized into several functional categories. Each logo is accompanied by its name and a status indicator (e.g., 'ENOF GRADUATED', 'ENOF INCUBATING').

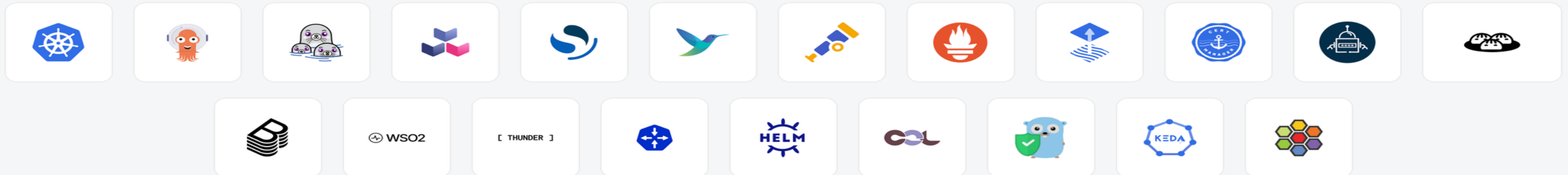
- Application Definition & Image Build:** Includes logos for Dapr, Helm, ArgoCD, Backstage, Buildpacks.io, KubeVela, KubeVirt, Microcks, and Operator Framework.
- Database:** Features logos for TiKV, Vitess, and others.
- Continuous Integration & Delivery:** Includes Argo, Flux, and OpenKruise.
- Streaming & Messaging:** Includes CloudEvents, NATS, and Strimzi.
- Scheduling & Orchestration:** Includes Cronicle, KEDA, Knative, Kubernetes, Fluid, Karmada, KubeFlow, and Volcano.
- Service Proxy:** Includes Envoy, Contour, and others.
- Remote Procedure Call:** Includes gRPC.
- API Gateway:** Includes Emisary Ingress and others.
- Service Mesh:** Includes Istio and Linkerd.
- Coordination & Service Discovery:** Includes CoreDNS and etcd.
- Cloud Native Storage:** Includes CubeFS, Rook, and Longhorn.
- Container Runtime:** Includes cri-o and Lima.
- Cloud Native Network:** Includes Cilium and CNI.
- Security & Compliance:** Includes Falco, In-toto, Kyverno, and others.
- Automation & Configuration:** Includes KubeEdge, Cloud Custodian, and OpenYurt.
- Container...:** Includes Dragonfly and Harbor.
- Key Mana...:** Includes spiffe and SPIRE.
- Observability:** Includes fluentd, OpenTelemetry, Prometheus, Cortex, and Thanos.
- Continuous Optimization:** Includes OpenCost and others.
- Chaos En...:** Includes Chaos Mesh and Litmus.
- Feature Flagg...:** Includes Open Feature and others.



...to this.

Built on the Cloud Native Stack

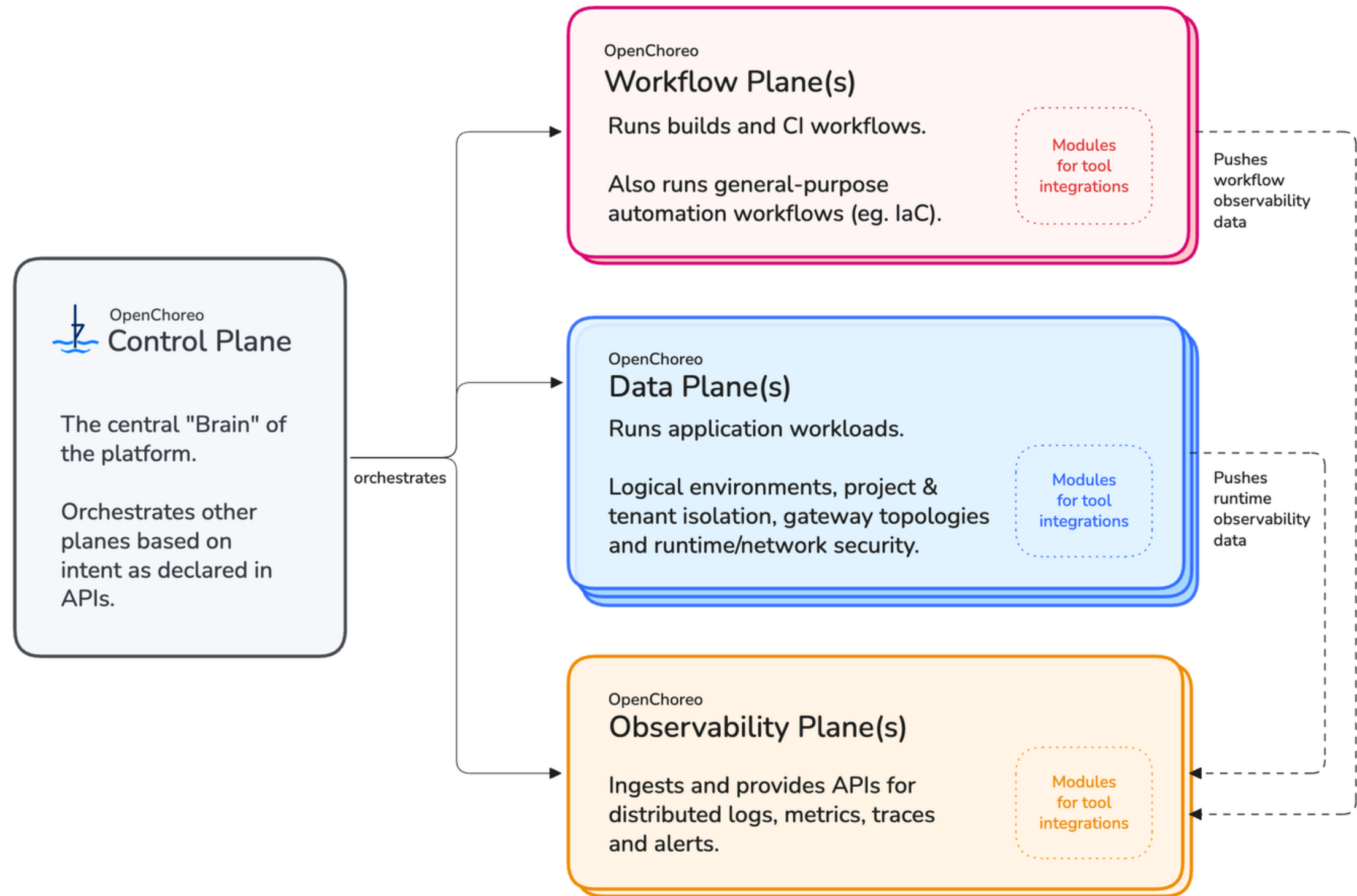
OpenChoreo orchestrates Kubernetes and other complementary CNCF and open-source projects to provide a production-grade IDP.



You can integrate other tools and vendors for identity, CI, observability, gateways and other platform services with OpenChoreo's modular architecture. The ones listed above are the default options that ship with OpenChoreo.



A system, not a stack.



Batteries included,
batteries swappable.

OpenChoreo Ecosystem

Discover modules, integrations, agents, skills, component types, and workflows to extend OpenChoreo

Search the Ecosystem (e.g., AI, gateway, observability)

Categories

- AI 8
- AI Gateway 1
- API Gateway 6
- CI 8
- Database 2
- Developer Tools 1
- FinOps 1
- GitOps 6
- Integration 1
- Networking 1
- Observability 9

- All
- Modules
- Integrations
- Agents
- Skills
- Component Types
- Workflows

Showing 48 items

Sort by: Name (A → Z)



Agent Gateway

Module

AI-native gateway for OpenChoreo providing unified LLM routing across multiple providers and MCP federation for AI agent...

#ai-gateway #llm #mcp #agent-gateway

View



Agent Sandbox

Component Type

Kernel-level sandbox isolation for AI agent workloads using kubernetes-sigs/agent-sandbox, supporting gVisor and Kata...

#ai-agents #sandbox #security #kata

View



Argo Workflows

Module

Kubernetes-native workflow engine for orchestrating parallel jobs, CI/CD pipelines, and complex DAG-based workflows.

#workflows #ci-cd #argo #pipelines

View



AWS RDS PostgreSQL

Workflow

Self-service workflow to provision and deprovision AWS RDS PostgreSQL instances using Terraform, enabling developer self-service...

#workflow #aws #database #postgresql

View



Azure SQL Database

Workflow

Self-service workflow to provision and deprovision Azure SQL Databases using Terraform, enabling developer self-service...

#workflow #azure #database #sql

View



Ballerina Buildpack Builder

Workflow

Component build workflow for building applications written in Ballerina.

#workflow #build #ballerina #buildpacks

View



API & Abstractions

The contract between developers and the platform team. Two audiences, one API. Stable enough to build on, opinionated enough to mean something.

Developer abstractions describe what to ship. Platform abstractions describe how it runs. Two sides of the same contract. Each side independently evolvable.

A stable surface. An evolvable interior. The API is the promise. Everything beneath it is implementation detail.

Developer Experience

CLI, YAML, Portal, MCP
Choose your workflow

API

Capabilities offered by the platform

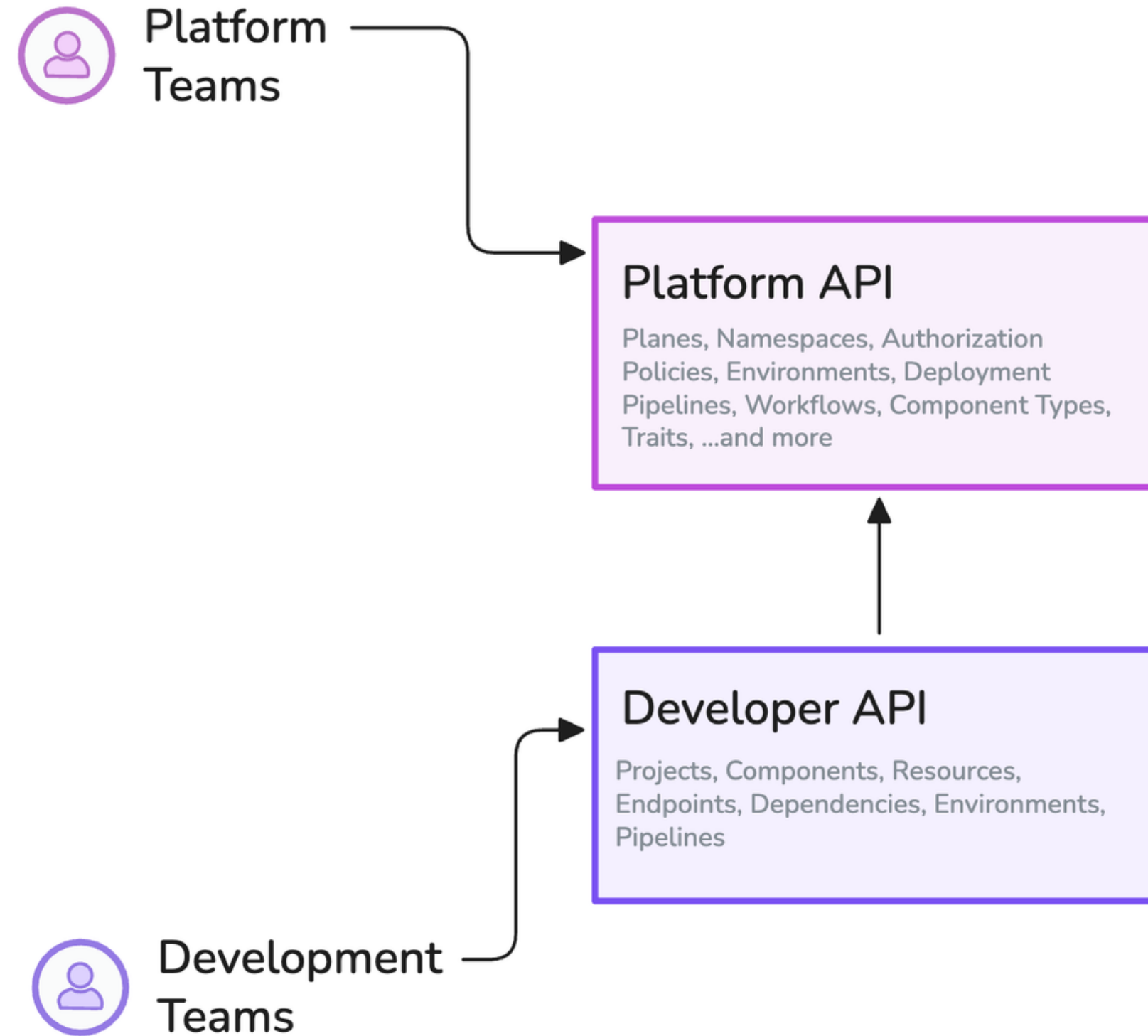
Platform Engine

Kubernetes, CI/CD, observability, security, networking
Managed by platform engineers

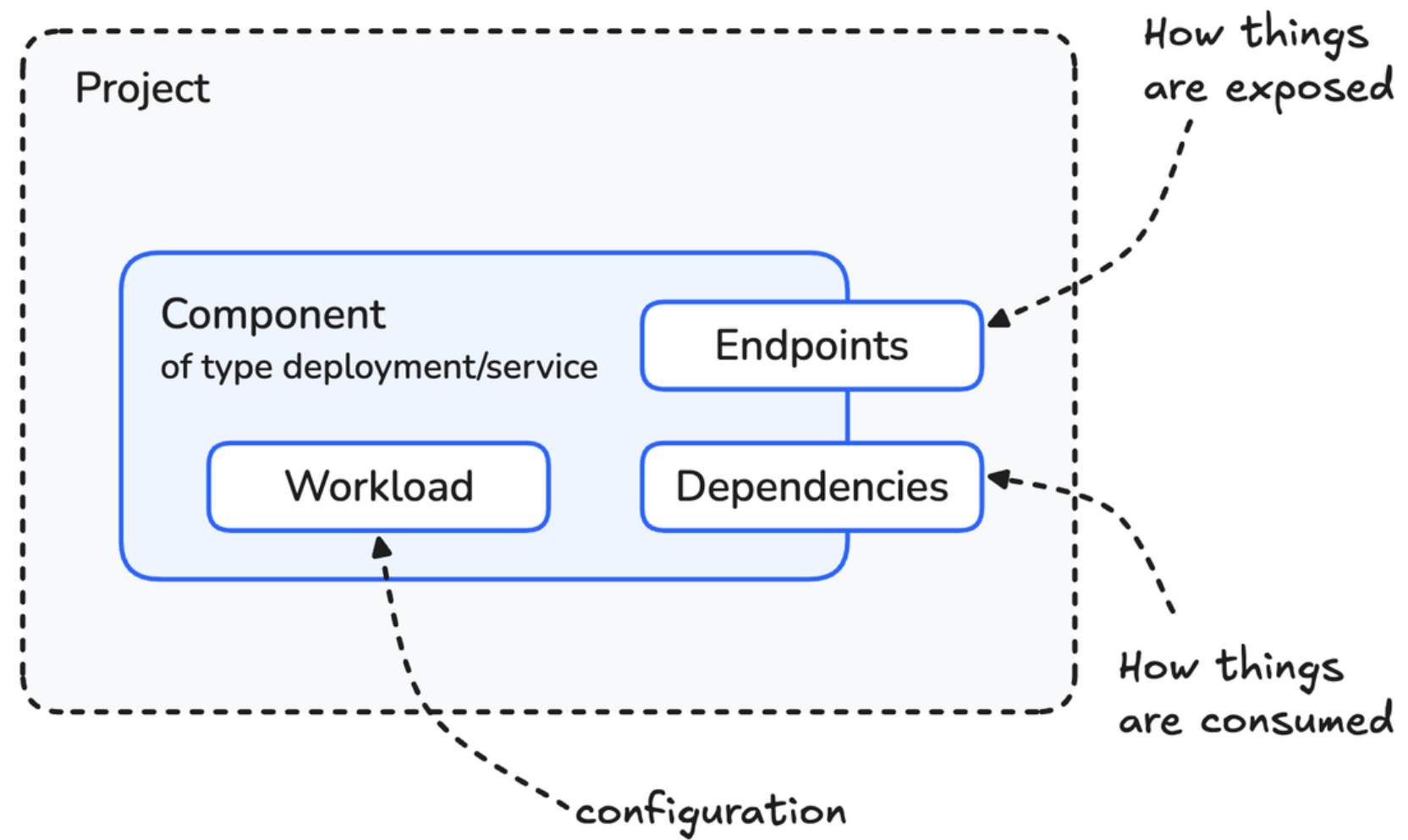


Abstractions

Platform abstractions describe how the platform runs. Developer abstractions describe what the developer ships.



Developer Abstractions



Runtime Semantics

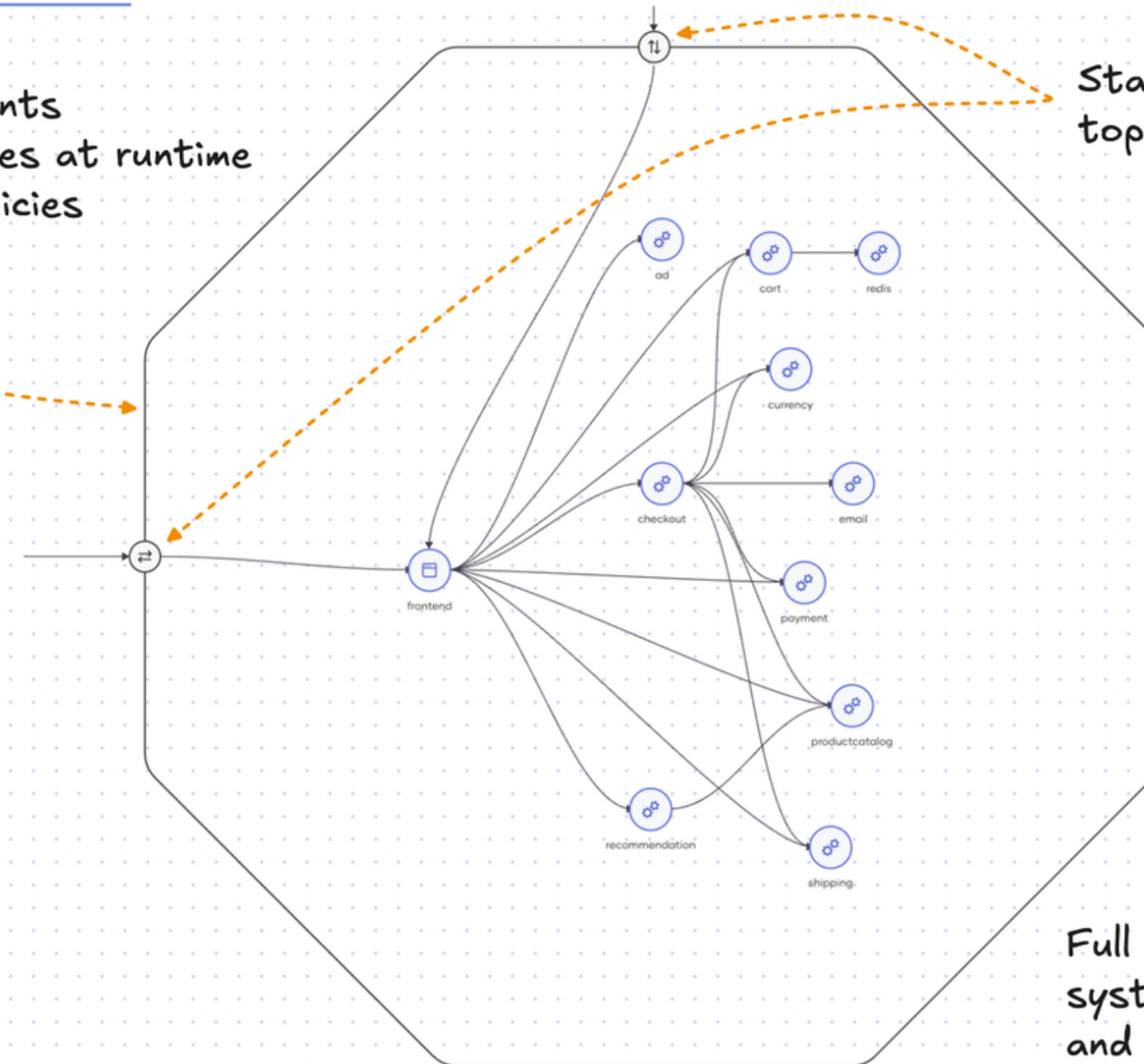
ECommerce MicroServices Project ☆ PROJECT

DEFAULT > GCP-MICROSERVICE-DEMO

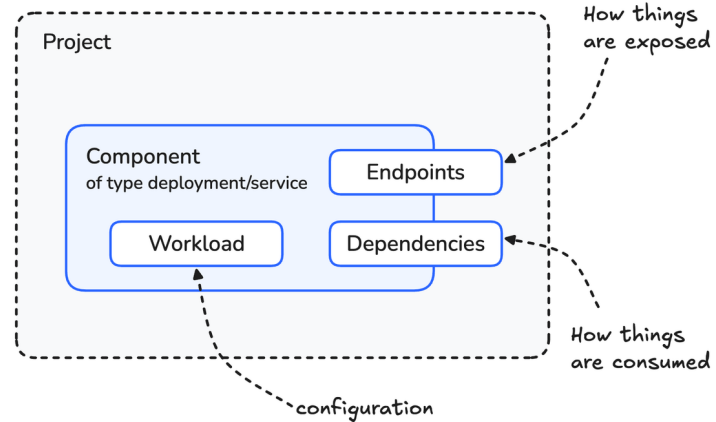
OVERVIEW CELL DIAGRAM DIAGRAM TRACES RCA REPORTS

Projects and environments have isolation boundaries at runtime defined via network policies

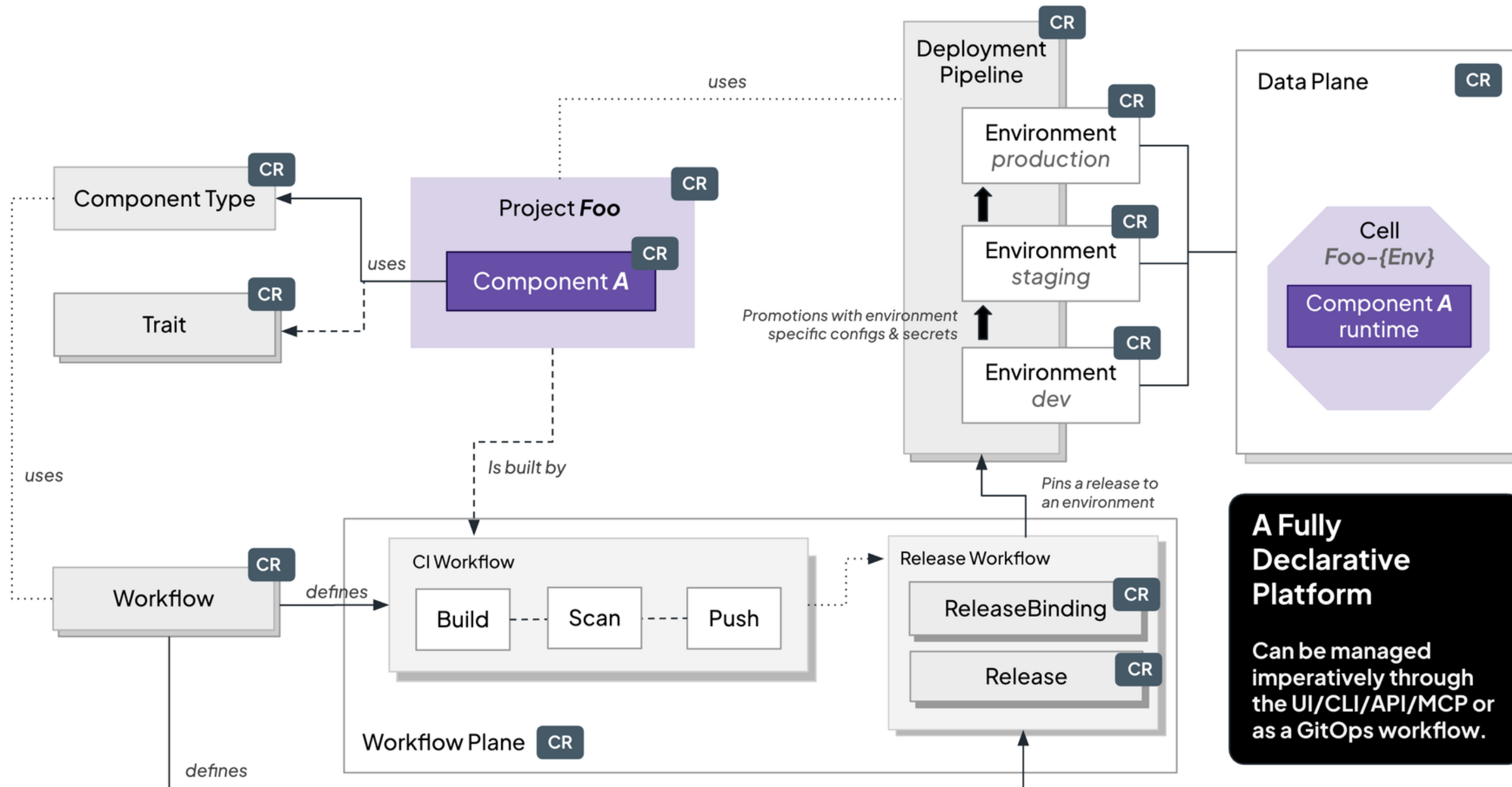
Standardized gateway topologies for network control



Full visibility into your system's overall architecture and component interactions



Platform Abstractions



Developer Experience (DevEx)

Where developers (and agents) touch the platform. The outermost layer. Where the contract becomes an experience.

Portal, CLI, API, MCP — meet them where they are. Don't make developers come to the platform. Bring the platform to them.

Same contract. Many shapes. One API beneath every surface. Click in the portal, type in the CLI, ask in chat — same platform, same outcomes.

Developer Experience

CLI, YAML, Portal, MCP
Choose your workflow

API

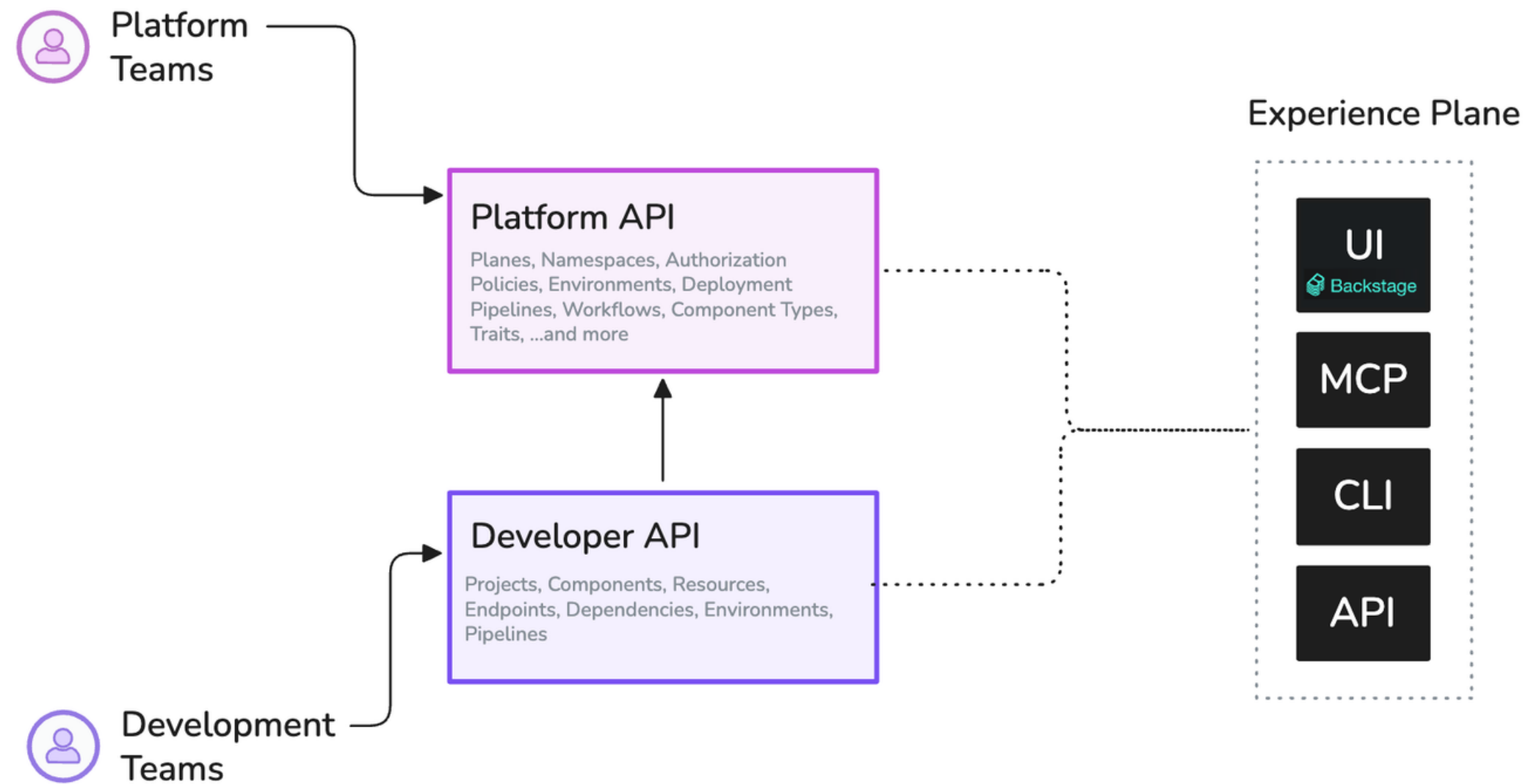
Capabilities offered by the platform

Platform Engine

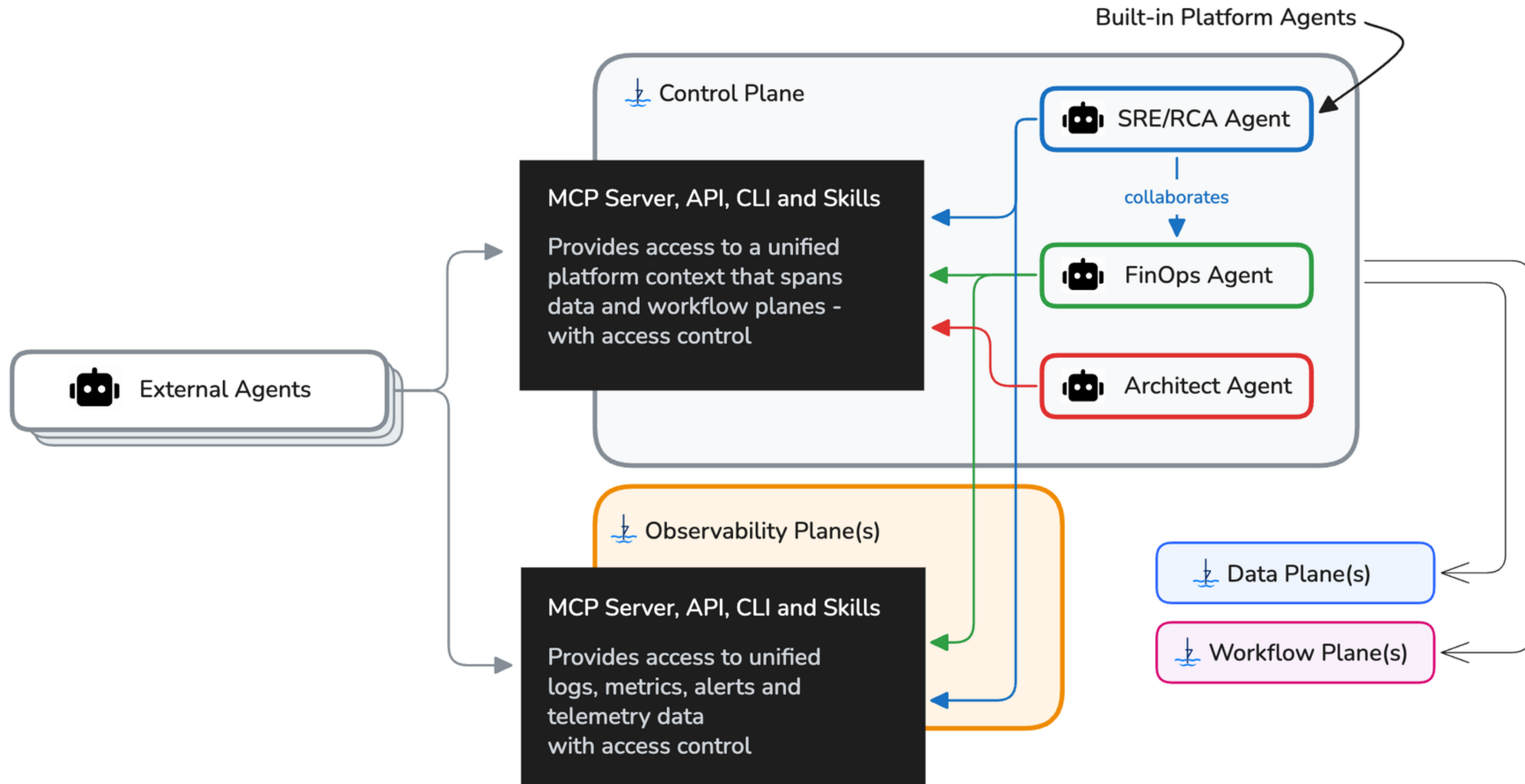
Kubernetes, CI/CD, observability, security, networking
Managed by platform engineers



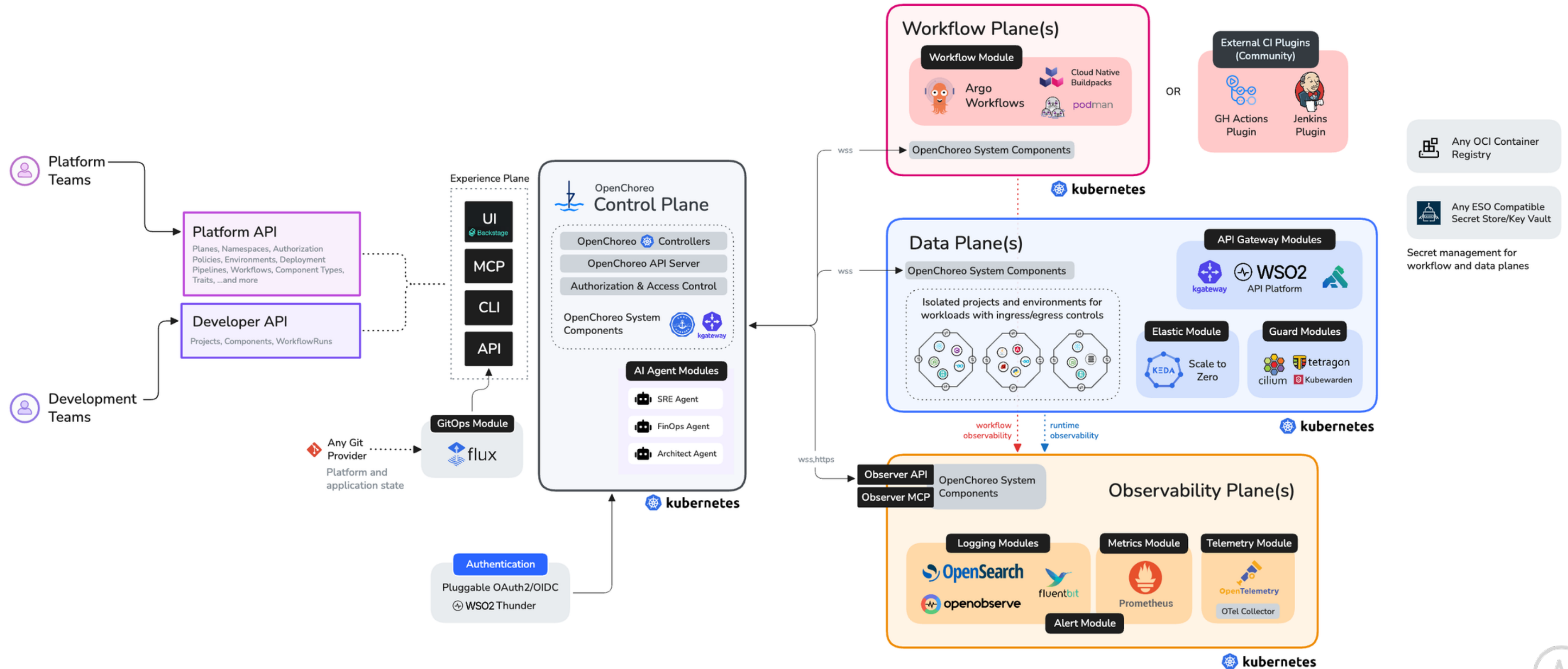
Meet them where they are.



Agents are first-class citizens.

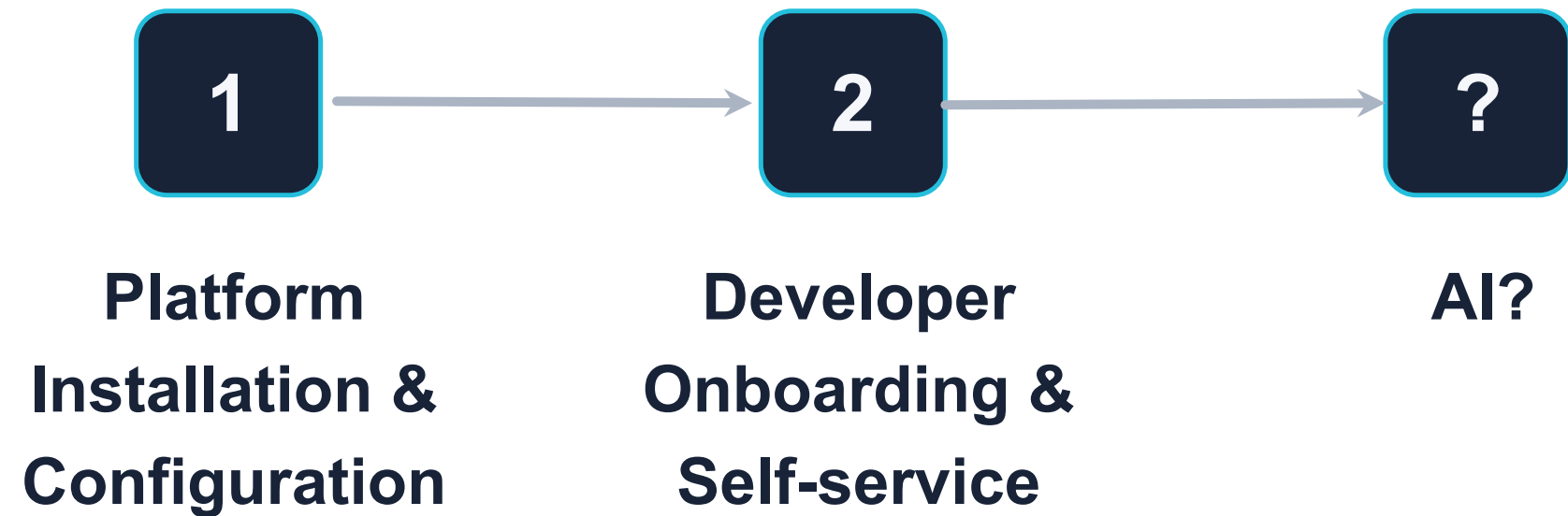


Three layers. One system.



Enough
Slides.

Let's
Build a
Platform.



Join the OpenChoreo Community



 [Contribute](#)

Help shape OpenChoreo by submitting features, fixes, or improvements.

 [Report Issues](#)

Identify bugs and suggest enhancements to make the platform better for everyone.

 [Join CNCF Slack](#)

Join #openchoreo channel to get real-time support, ask questions, and engage with other users.



Closing Thoughts...

Build the platform

don't make developers do it.

Abstractions are the contract

get them right.

Same contract, every surface

humans and agents.



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Thank you!

Deploy.
Panic.
Rollback.
Repeat.



OpenChoreo

