Claria

WSO2 CHOREO SERVICE DEFINITION

Choreo is a cloud-native **internal developer platform (IDP)** designed to simplify building, deploying, and managing applications. It abstracts away Kubernetes complexity while providing deep **AI-native** capabilities.

1. Full-Lifecycle API Management

Choreo provides an integrated API Management suite:

- **Design & Implementation:** Create APIs from scratch or import **OpenAPI, GraphQL, or AsyncAPI** definitions.
- **API Marketplace:** A centralized portal for developers to discover, test, and subscribe to internal and public APIs.
- **Security:** Built-in support for OAuth2, OIDC, and mutual TLS to protect endpoints.

2. Polyglot Development & Deployment

Build services in your preferred language and let Choreo handle the infrastructure:

- **Language Support:** Native support for **Ballerina, Go, Java, Node.js, and Python**.

- **GitHub/Bitbucket Integration:** Automatic CI/CD pipelines that trigger builds directly from your source code repositories.
- **Serverless Execution:** Scales your applications automatically based on demand, reducing infrastructure overhead.

3. AI-Native "DevOps" & Testing

Choreo integrates AI to accelerate the development loop:

- **AI-Generated Tests:** Automatically creates test cases and data based on your service definitions.
- **Natural Language Insights:** Use AI to query logs and observability data to troubleshoot issues faster.
- **AI Agent Tools:** Deploy services as Model Context Protocol (MCP) servers, allowing GenAI agents to use your APIs as tools.

4. Deep Observability

Gain immediate visibility into how your code performs in production:

- **Distributed Tracing:** Visualize the flow of requests across multiple microservices.
- **Log Analytics:** Search and filter logs across different environments (Development, Test, Production).
- **Performance Metrics:** Monitor **latency, throughput, and error rates** via pre-built dashboards.

5. Deployment Flexibility

While Choreo is a SaaS platform, it supports Private Data Planes:

- **Cloud Data Plane:** Use WSO2's managed infrastructure for zero maintenance.
- **Private Data Plane:** Deploy the Choreo runtime into your own **Azure, AWS, or GCP** accounts to satisfy data residency and compliance requirements.