

20TH ANNIVERSARY EDITION

WSO2CONASIA

— PLATFORMLESS MODERNIZATION

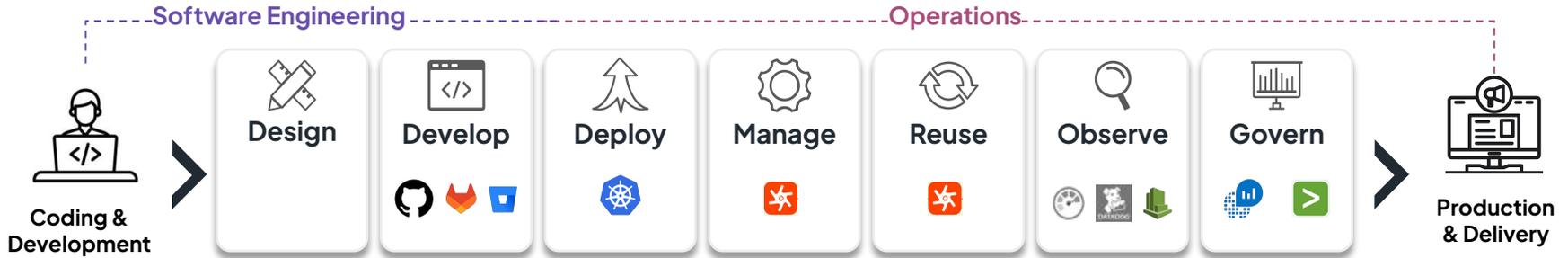
What's new in Choreo ?



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WSO2



Internal Developer Platform as a Service



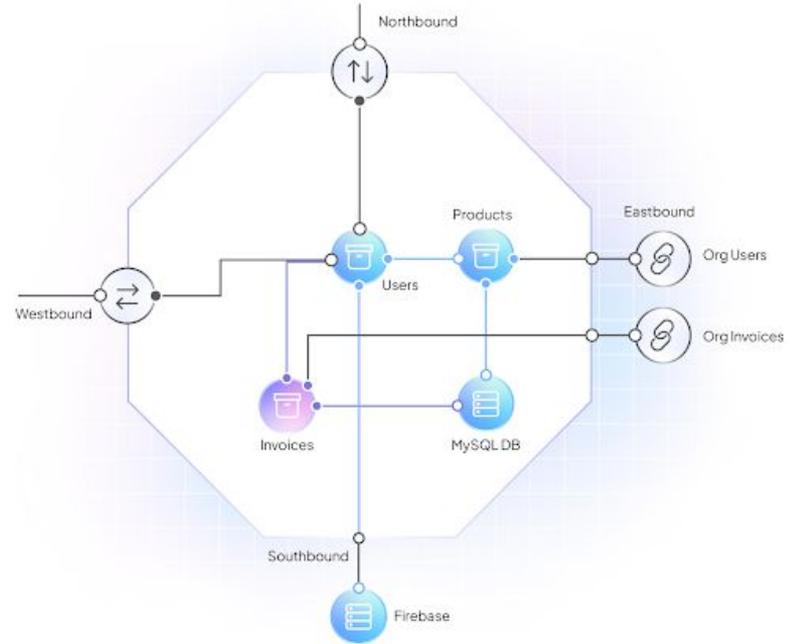
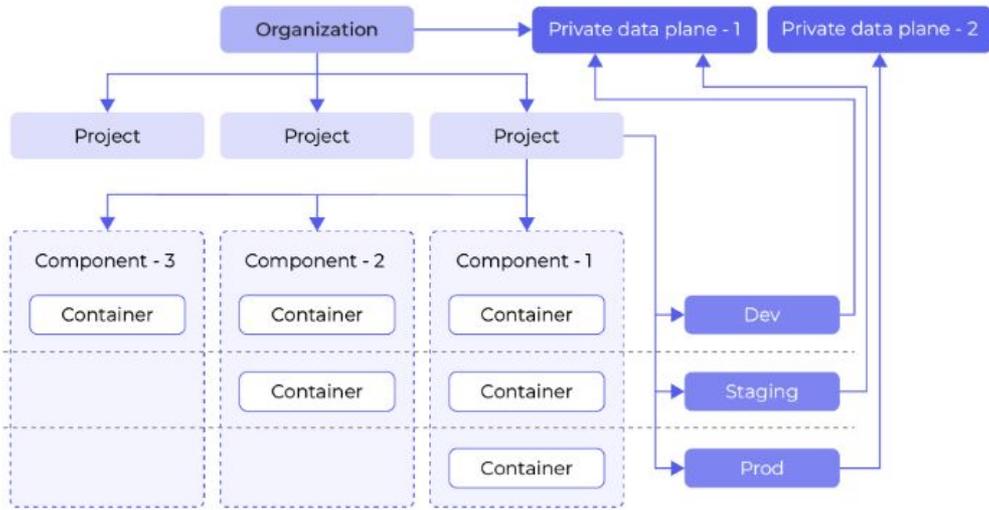
Internal Developer Platform as a Service



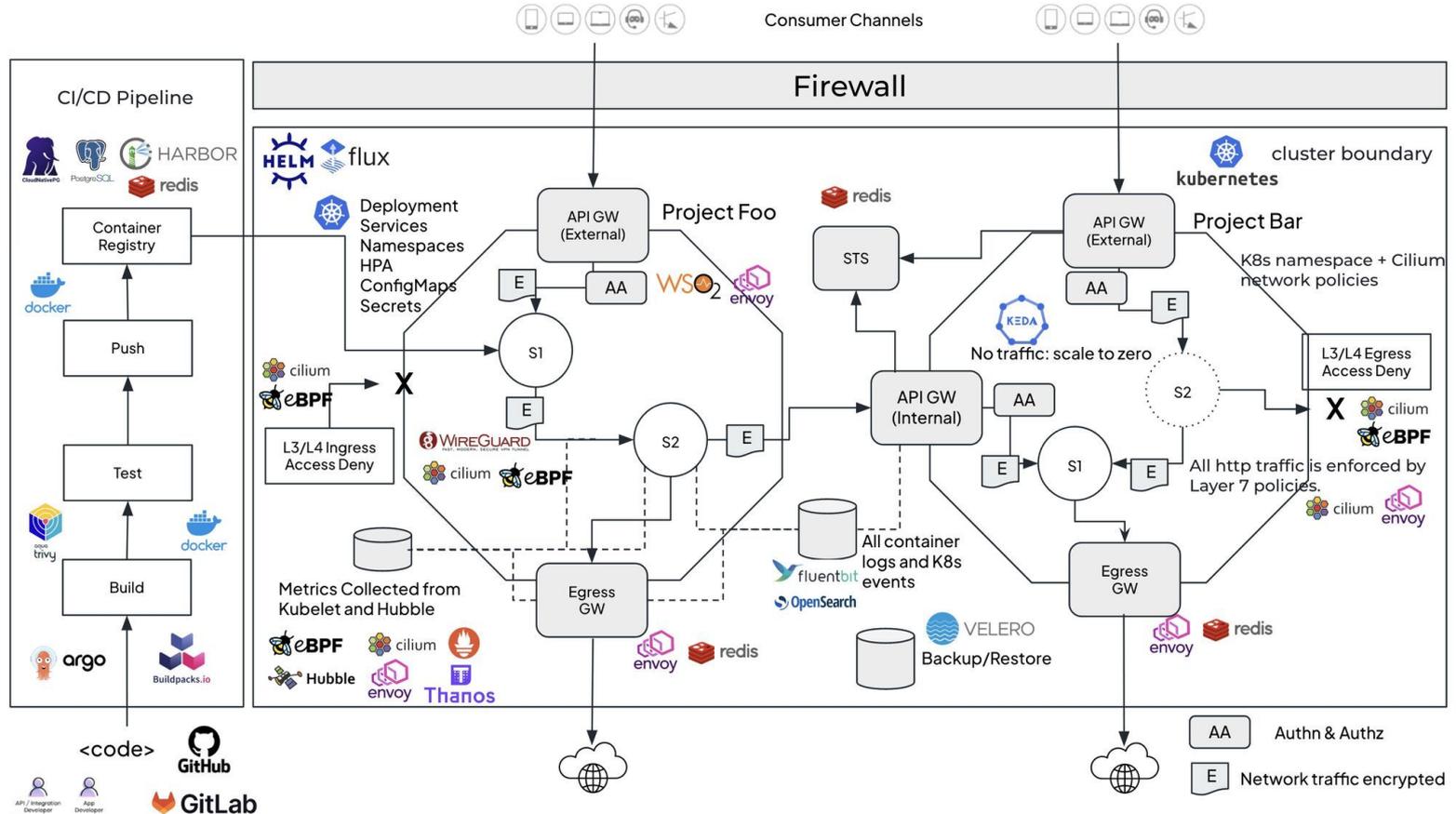
Working with Choreo to build and run your own platform



Choreo abstractions remove complexity



Under the hood



Platform engineers can build their own platform

The screenshot displays the Horeo platform dashboard for an organization named 'choreopmm'. The interface is organized into a grid of management cards. On the left, a blue sidebar contains navigation links for Overview, Infrastructure, User Management, DevOps, Governance, DB & Services, K8s Operations, Insights, Observability, and API Management. The main content area is titled 'Overview' and includes the following sections:

- Data Planes:** Two active data planes are listed: 'Choreo Cloud US Dataplane' and 'Choreo Cloud EU Dataplane', both with 'WSO2 Cloud Data Plane' technology. A 'Manage' link is provided for each.
- Environments:** Two environments are shown: 'Development' (Non-Prod) and 'Production' (Prod), both using 'Choreo Cloud US Dataplane'. A 'Manage' link is provided for each.
- Domains:** Two domain statuses are listed: 'Active' (0) and 'Pending' (0). A 'Manage' link is provided.
- User Management:** Shows counts for 'Users' (11), 'Groups' (10), and 'Roles' (10). Each count has a 'View More' link.
- CD Pipelines:** Lists 'Default EU Deployment Pipeline' and 'Default US Deployment Pipeline' (marked as 'Default'). A 'Manage' link is provided.
- Workflows:** Two workflows are shown as 'Disabled': 'Environment Promotion' and 'API Subscription'. A 'Manage' link is provided.
- Pending Approvals:** Shows 'No pending approvals.' with a 'Manage' link.
- Egress Control:** Shows 'No egress policies configured.' with a 'Manage' link.
- Cost Analysis:** Displays 'Annual Savings (up to this month) \$ 0.00' and 'Monthly CPU and Memory Cost \$ 12.00' (with a 100.00% indicator). A 'View More' link is provided.
- Services:** Lists 'Third Party Services' (0), 'Gen AI Services' (0), and 'Message Brokers' (0). Each has a 'View More' link.
- Databases:** Shows 'Databases' (2) and 'Vector Databases' (0). A 'View More' link is provided.
- Operational Insights:** Shows 'Projects 11 Total' and 'Components 26 Total'. A 'View More' link is provided.
- Business Insights (Production):** Shows 'Total Traffic 0' and 'Error Rate 0%'. A 'View More' link is provided.
- Delivery Insights:** Shows 'Deployment Frequency Low' and '0/day' and '0 Total (Last Month)'. A 'View More' link is provided.

The top right of the dashboard shows the user role 'Platform Engineer' and a 'Copilot' icon.

Software engineers create awesome digital experiences

The screenshot displays the Horeo software development platform interface. At the top, the organization is identified as 'WSO2' and the project as 'Finance'. The main content area is titled 'Finance' and includes a 'Component Listing' table. To the right, there is an 'Architecture' diagram and a 'Component Types' summary table. The interface also features a left-hand navigation menu and a right-hand sidebar with various utility icons.

Component Listing

Name	Description	Type	Last Updated
F Finance Entity Service	View and manage finance domain rel...	Service	5 days ago
C Currency Convert Service	Get exchange rates based on the dat...	Service	1 month ago
F Finance Entity GraphQL	View and manage finance domain rel...	Service	2 months ago
C Consultancy Bank Account Sync	Service used to sync consultancy acc...	Service	6 months ago
N NetSuite Sync	NetSuite financial accounts summary...	Scheduled Task	6 months ago
D DEPRECATED - Finance Reporting Service		Service	9 months ago
I Invoice Automation Service	Service used to automate the sync of...	Service	1 year ago
I Invoice Automation Service - Token Exchange	Service used to retrieve the token in o...	Service	1 year ago
D DEPRECATED - Travel Invoice Service	Rest service to push the approved tra...	Service	1 year ago

Architecture

Component Types

Service	8
Scheduled Task	1
Total	9

Contributors



“IDPs abstract the complexity of underlying infrastructure management and maintenance. IDPs also increase the product teams’ ability to deliver customer value consistently, reliably, and repeatably.”

Referenced from Gartner® Hype Cycle™ for Platform Engineering 2025 (Edited)
<https://www.gartner.com/en/documents/6586902>

The Choreo impact - Business benefits

Deployment Time

40% ↓

Wealth Management (USA)

Cost Savings

>63%

University of Edinburgh

Fast Recovery

5X

Zimi Life





Over **5 billion** transactions executed annually.

Over **60** customers globally.

40k+

USERS

28k+

COMPONENTS

450k +

DEPLOYMENTS



Choreo's new capabilities and updates

For Platform Engineers (Customizable CI)

Organization: ACME Org

Developer (Default) Copilot

Overview Resources Insights Observability DevOps Data Planes Environments CD Pipelines **CI Pipelines** Audit Logs Configuration Groups Approvals Settings

← Back to CI Pipelines

CI Pipeline Overview **Go Buildpack with Unit Tests** Edit Pipeline YAML Pipeline Variables and Secrets

Description: A another go CI pipeline with parallel steps
Source: Inline YAML Created 14 days ago

Pipeline Visualization Updated 14 days ago

```
graph LR; A[Build Steps] --> B[Go Test]; A --> C[Go Lint]; B --> D[Slack Notification]; C --> D; D --> E[Post Build Steps];
```

CI Pipeline YAML

Version: 4 Updated 14 days ago

```
1 steps:
2   - name: Build Steps
3     containerSet:
4       containers:
5         - name: Build Component
6           containerTemplate: choreo/buildpack-build@v1
7         - name: Vulnerability Scan
8           containerTemplate: choreo/trivy-scan@v1
9   - name: Go Test
10    template: choreo/go-test@v1
11   - name: Go Lint
12    template: choreo/go-lint@v1
13   - name: Slack Notification
14    template: slack-notification
15   - name: Post Build Steps
16    containerSet:
17      containers:
18        - name: Finalizer
19          containerTemplate: finalizer
20 templates:
21   - name: slack-notification
22     inlineScript: |
23       #!/bin/bash
24       echo "Sending Slack notification..."
25       MESSAGE=":white_check_mark: Pipeline succeeded"
26       curl -X POST \
27         -H 'Content-type: application/json' \
28         --data '{"text": "$MESSAGE"}' \
29         $SLACK_WEBHOOK_URL
30     env:
31       - name: SLACK_WEBHOOK_URL
32         value: '{{SECRETS.SLACK_WEBHOOK_URL}}'
33 containerTemplates:
34   - name: test-container
35     image: golang:latest
36     inlineScript: |
37       #!/bin/sh
```

Reset Save

Terms of Use Privacy Policy Support

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For Platform Engineers (Advanced Automations)

Organization: choreo-pdp-e2e-dev

Developer (Default) | Copilot

← Back to Pipelines

Provision S3 Bucket New

provision S3 bucket
Created 8 days ago

Pipeline Variables & Secrets | Edit Pipeline YAML

Runs

Start New Run

RUN ID	VERSION	STATUS	START TIME	DURATION	ACTIONS
10050	v16	Successful	19 minutes ago	1m 48s	View Logs
10049	v16	Successful	1 hour ago	1m 59s	View Logs
10048	v16	Successful	2 hours ago	1m 46s	View Logs
10047	v14	Successful	2 hours ago	1m 39s	View Logs
10046	v14	Successful	2 hours ago	1m 39s	View Logs

1 - 5 of 20 | Rows per page: 5

Pipeline Logs for Run ID: 10050

Refresh Logs

- Clone Repo
Cloning into '/mnt/vol/terraform'...
Repo cloned.
time="2025-05-28T06:10:40.617Z" level=info msg="sub-process exited" argo=true error="<nil>"
- Run Terraform
Running terraform init...
Initializing the backend...
Successfully configured the backend "s3"! Terraform will automatically use this backend unless the backend configuration changes.
Initializing provider plugins...
 - Finding latest version of hashicorp/aws...
 - Installing hashicorp/aws v5.98.0...
 - Installed hashicorp/aws v5.98.0 (signed by HashiCorp)Terraform has created a lock file `.terraform.lock.hcl` to record the provider selections it made above. Include this file in your version control repository so that Terraform can guarantee to make the same selections by default when you run "terraform init" in the future.
Terraform has been successfully initialized!
You may now begin working with Terraform. Try running "terraform plan" to see any changes that are required for your infrastructure. All Terraform commands should now work.
If you ever set or change modules or backend configuration for Terraform

For Platform Engineers (One-click PDP)

← Back to Data Plane List

Create a Private Data Plane

Select Infrastructure Provider

Vultr Azure AWS GCP

Select Region

Los Angeles New York Amsterdam London Singapore Sydney

Select PDP size

Size	Components	Transactions Per Month	Est. Cost	Action
Small (S)	Up to 20	Up to 60m	\$500/Month	Selected
Medium (M)	Up to 50	Up to 150m	\$1000/Month	Select

Need help deciding the right fit? [Contact us](#) and we'll help you through it

Cancel Create

For Platform Engineers (Sub-Organizations)

The image displays two overlapping screenshots of the Choreo platform interface. The background screenshot shows the 'Sub Organizations' page for 'Matlogic Inc'. A modal window titled 'Create Sub Organization' is open, showing a form with the following details:

- Organization Name: Legal Operations (with a green checkmark)
- Organization Handle: legaloperations
- Warning: This value may occasionally be publicly available. Avoid adding any sensitive information.
- Buttons: Create

The foreground screenshot shows the 'All Projects' page for 'Matlogic Inc'. A dropdown menu is open, listing the following sub-organizations:

- Matlogic Inc
- Engineering
- Production
- Human Resources
- Finance
- Inited Organizations
- Demo Organization
- Join

The interface includes a top navigation bar with 'Organization: Matlogic Inc', 'Developer (Default)', 'Copilot', and 'Upgrade' buttons. A left sidebar contains navigation icons for various sections. The bottom of the page features 'Terms of Use', 'Privacy Policy', 'Support', and a copyright notice: '© 2025, WSO2 LLC.'

AI related – FinOps (Cost Optimization)

Cost Insights

Cost Savings Summary From 1 July, 2025 to 29 July, 2025

Last updated at: 29 July, 2025 2:00 AM UTC

Savings Summary

• Total Saved • Missed Savings

Total Savings

\$ 724.00

Prod \$594.00 Non-Prod \$210.00

CPU and Memory Cost

\$ 2076.00 1100%

Prod \$1564.00 Non-Prod \$510.00

Missed Savings

\$ 362.00 8.99%

Prod \$212.00 Non-Prod

Estimated Cost

\$ 2214.00

Prod \$1584.00 Non-Prod

Annual Savings (as of 29 July, 2025)

\$ 5560.00

Cost Analysis

Cost Savings

0 Under Provisioned Deployments	3 Over Provisioned Deployments	0 Idle Deployments	52 Optimized deployments
Project	Optimized Deployments ↑	Saved Cost	Actual Cost offer Sa
A AI Agents	5/5	\$ 34.00	\$256.00
C Cost Optimization Demo Project	2/5	\$ 23.00	\$456.00

Cost Insights

Component Details: No of Replicas: 0 Scale to Zero: Enabled HPA: Disabled

Optimization Configurations: Auto Apply Resource Recommendations: Off [Advanced Configurations](#)

CPU and Memory Cost: \$ 27.60 18.00%

Missed Savings: \$ 6.00 6.00%

CPU and Memory Efficiency: 72.00% 1.00%

Estimated Cost: \$ 29.00

CPU: \$1900 Memory: \$8.60 CPU: \$5.00 Memory: \$1.00

0.40/0.50 cores 0.45/0.70 GB CPU: \$20.00 Memory: \$900

CPU Metrics Analysis AB Max of Replicas

Memory Metrics Analysis AB Max of Replicas

Recommendations

- Resource Right-Sizing Apply
- Enable scale to zero Deployment Idle for 3 days Apply
- Stop Deployment Deployment Idle for 14 days Apply

Advanced Configurations

Scanning Window 3

CPU Percentile 95 %

Safety Buffer 15 %

Limit Scale 2

Memory Percentile 95 %

Safety Buffer 15 %

Limit Scale 2

Cancel Apply

AI Related – Agentic Co-pilot

The screenshot displays the Choreo developer portal interface. At the top, navigation elements include the organization 'apfirst', project 'Appointment Manage...', and component 'Appointment Manage...'. The main content area is titled 'Appointment Management Service' and shows a deployment track with steps: Create, Build, and Deploy, all marked as successful. Below the track, the source is identified as a GitHub repository. The 'Latest Commit' section shows a commit by 'binoyPeries' from 4 months ago. The 'Deployment Status' section lists 'Development', 'stage', and 'Production' environments, all with an 'Active' status. On the right side, a 'Copilot Preview' chat window is open, displaying a welcome message and a list of suggested actions: 'Create a database', 'Set up a connection to another service', and 'Show me run time logs for the past 24 hrs'. The footer contains links for 'Terms of Use', 'Privacy Policy', and 'Support', along with the copyright notice '© 2025, WSO2 LLC.'

AI Related – Chief AI Compliance Officer

The screenshot displays the Horeo API Compliance Insights dashboard. At the top, the organization is identified as 'Chaturanga Siriward...' and the project as 'Misc Project'. The user is logged in as 'Developer (Default)' with Copilot integration. The left sidebar contains navigation options: Overview, Components, Resources, Connections, Insights (selected), Usage, Operational, Delivery, Business, Compliance (highlighted), Cost, Observability, DevOps, and Settings. The main content area is titled 'Compliance Insights' and features a 'Run AI Compliance Analysis' section with a 'Trigger AI Compliance Analysis' button. Below this, a 'Fair Overall' status is shown. The 'Summary' section states: 'The project partially implements core REST guidelines and security standards but exhibits high-priority compliance gaps. All APIs lack fully standardized error responses, proper versioning in resource URIs is missing, resource naming conventions require correction, and detailed security scope documentation is insufficient. Most endpoints lack sufficient documentation, pagination support, and fine-grained response header specification. Addressing these areas will significantly enhance compliance and interoperability.' A list of five compliance issues is shown, each with a red 'x' icon and a dropdown arrow: 'Error Response Format (Section 11)', 'Security Scopes & Authentication (Section 12)', 'Resource Naming (Section 5.1)', 'Versioning in URI (Section 5.5)', and 'Documentation (General)'. The bottom of the dashboard shows a list of API endpoints, including 'test-petstore' and 'department-proxy'. The footer contains 'Terms of Use', 'Privacy Policy', 'Support', and '© 2025, WSO2 LLC.'

AI Related – Agentic Deployments

The screenshot displays the Visual Studio Code interface for a project named 'MENU-GEN-ON-CHOREO'. The Explorer sidebar on the left shows a file tree with folders like 'backend', 'frontend', and 'src', and files such as 'README.md' and 'package.json'. The main editor window shows the 'Preview README.md' file with the following content:

MenuGen - AI-Powered Menu Visualization

MenuGen transforms traditional, text-based restaurant menus into visually rich experiences using generative artificial intelligence. Upload a menu photo and watch as AI generates beautiful images for each dish.

Features

- Lightning Fast Processing:** Get your visual menu in under 90 seconds
- AI-Powered:** Advanced AI creates perfect dish visualizations using GPT-4o and DALL-E 3
- Progressive Loading:** See extracted menu items immediately while images generate
- Responsive Design:** Beautiful UI that works on mobile and desktop
- Professional Quality:** World-class design with attention to detail

Quick Start

Prerequisites

- Node.js 18+ and npm
- Go 1.21+
- Docker and Docker Compose
- OpenAI API Key

1. Clone the Repository

Below the README, the TERMINAL panel shows the output of a Vite dev server:

```
VITE v7.0.6 ready in 394 ms
+ Local: http://localhost:5173/
+ Network: use --host to expose
+ press h + enter to show help
```

On the right side of the interface, the 'CHAT' panel is active, showing the 'Edit with Copilot' interface in 'Agent Mode'. It includes instructions: 'Ask Copilot to edit your files in agent mode. Copilot will automatically use multiple requests to pick files to edit, run terminal commands, and iterate on errors.' and 'Copilot is powered by AI, so mistakes are possible. Review output carefully before use.' There is also a field to 'Add Context...' and a dropdown menu currently set to 'Agent' and 'Claude Sonnet 4'.

Leveraging partnerships – Azure, AWS, and GCP

Choreo is available on the Microsoft Azure, AWS, and Google Cloud marketplaces.

What does this mean for you?

- Use your existing commitment to procure Choreo.
- Cloud provider credits for PoCs & migrations.
- Billing and procurement consolidations.



Leveraging partnerships – SUSE

Choreo is certified and available with SUSE Rancher Prime and K3S.

What does this mean for you?

- Single platform that helps you manage your K8s environments and your IDP.
- Leverage your existing on-premises or data centre capacity.
- Consolidate and rationalize your K8s and application management.

The screenshot displays the SUSE Partner Certification & Solutions Catalog. The page is titled "Partner Certification & Solutions Catalog" and includes links for "Get Certified" and "Get Help". The main content area features the WSO2 logo and the Choreo logo. The text describes Choreo as an AI-native Internal Developer Platform (IDP) that simplifies infrastructure management. A link to the partner product website is provided. The bottom of the page shows a table with the following information:

PLATFORM SUSE Rancher	HARDWARE ARCHITECTURE x86-64	CERTIFICATION SUSE Ready
--------------------------	---------------------------------	-----------------------------

Dedicated EU Region

Choreo is now available in EU as dedicated region.

What does this mean for you?

- If you are in Europe and have very strict regulatory and compliance requirements that all data including metadata must stay in Europe, now you can use Choreo EU region
- Reduce latency when connecting Choreo's CDP to your backend





OpenChoreo donation to CNCF

OpenChoreo

Internal Developer Platform

License [Apache 2.0](#) last commit [july](#) go report [A+](#) issues [46 open](#) [X Follow @Choreo](#)

OpenChoreo is a complete, open-source Internal Developer Platform (IDP) designed for platform engineering (PE) teams who want to streamline developer workflows and deliver Internal Developer Portals without having to build everything from scratch. OpenChoreo orchestrates many CNCF and other projects to give a comprehensive framework for PE teams to build the platform they want.

Why OpenChoreo?

Kubernetes gives you powerful primitives like Namespaces, Deployments, CronJobs, Services and NetworkPolicies —but they are too low-level for most developers.

Platform engineers are left to build the actual platform: defining higher-level abstractions and wiring together tools for engineering, delivery, security and visibility.

OpenChoreo fills that gap and provides all the essential building blocks of an IDP, including CI, GitOps, observability, RBAC and analytics.

With OpenChoreo, we are bringing the best ideas of [WSO2 Choreo](#) (an IDP as a Service) to the open-source community. WSO2 Choreo is designed not just to automate software delivery workflows, but to support engineering best practices: enforcing architecture standards, promoting service reuse, and integrating API management and observability.

<https://github.com/openchoreo/openchoreo>



Thank you!

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