(.NET) Aspire aspira a crescere

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Aspire

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Modern Apps are a **Giant Puzzle**

Editor/IDE

> Operating systems
> Shells + terminals
> Coding agents
> Extensions

Frontends

> Endless languages + frameworks

Backends

> Microservices, monoliths, containers, VMs

Services

> Databases + storage
> Auth
> Caches + queues
> Messaging

Agents + AI

> Models, deployments, frameworks

Observability

> Different data pipelines for different parts of the app

Env

> Secrets/tokens/keys
> Provisioning parameters
> Non-source-controllable assets
> Changing ports and dependencies

Manifests + Scripts

> Manifest languages (YAML, JSON, Dockerfiles)
> Hard-to-read scripts (Bash, pwsh)
> README.md, internal wikis, "tribal knowledge"

Deployment handoff

> Manual deployments
> Automated CI/CD
> Enterprise devops workflow

Complex dev, complex deploy

Dev Loop

> Impossible to "clone and run"

> No easy way to add new services

> Local dev does not reflect actual running system

Deployments

> Fragile, always-changing assets

> Complicated handoffs for architecture changes

> "Only in prod" observability

Aspire is the tool for code-first, extensible, observable dev and deploy.

What's in an **Aspirified app**

Aspire AppHost + CLI

Define your stack in **code** — type-safe, readable, and **debuggable**. Aspire runs it all locally, then shifts to **real cloud services** without changing your architecture. Dev to deploy, fully wired.

Aspire Integrations

Plug in **any code or service**, whether it's local or remote. Aspire brings **common patterns** – but can model **any executable**, **container**, or **cloud resource**, or **deployment pipeline**.

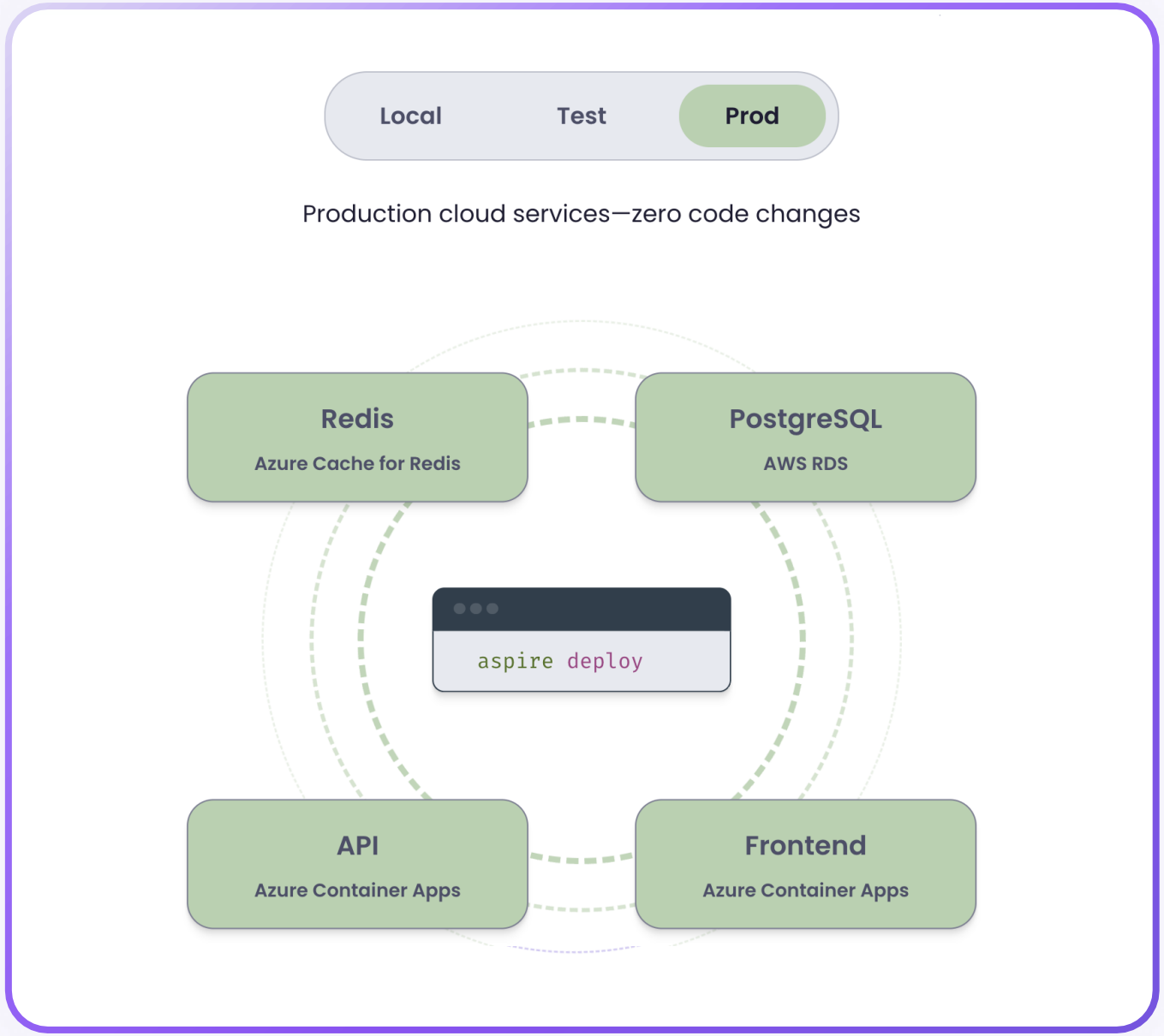
Aspire Dashboard

See your **entire stack** running in one place – all your **logs**, **endpoints**, **environment** variables, even full **OpenTelemetry**. Run it **locally** while you **dev**, then **deploy** it for a familiar overview in your prod environment.

AppHost + CLI

Dev-first, ops friendly

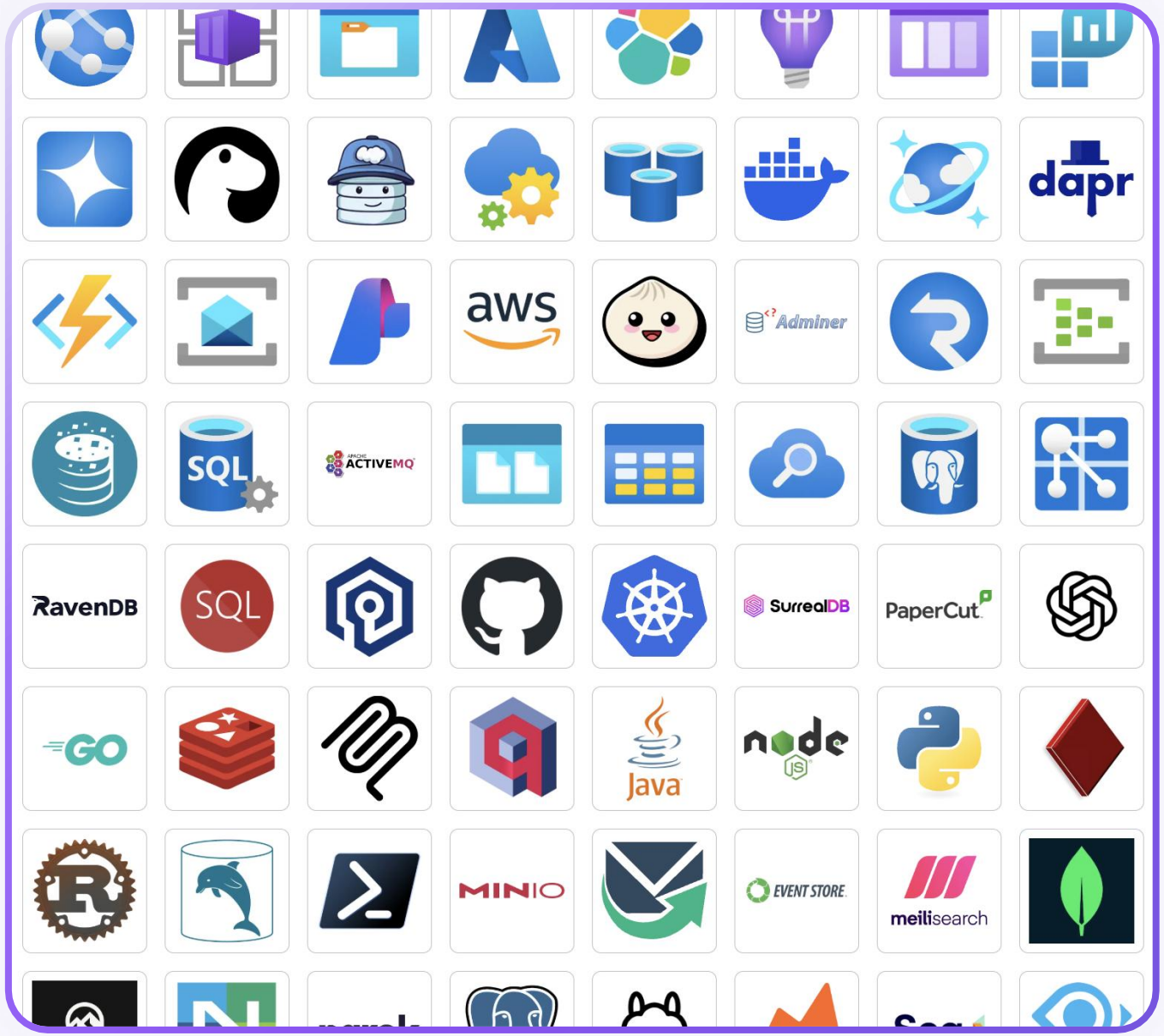
Clone and run any repo, add new services in one command, and deploy – or hand off to your deployment pipeline – without code changes, from one CLI.



Integrations

Building blocks, not black boxes

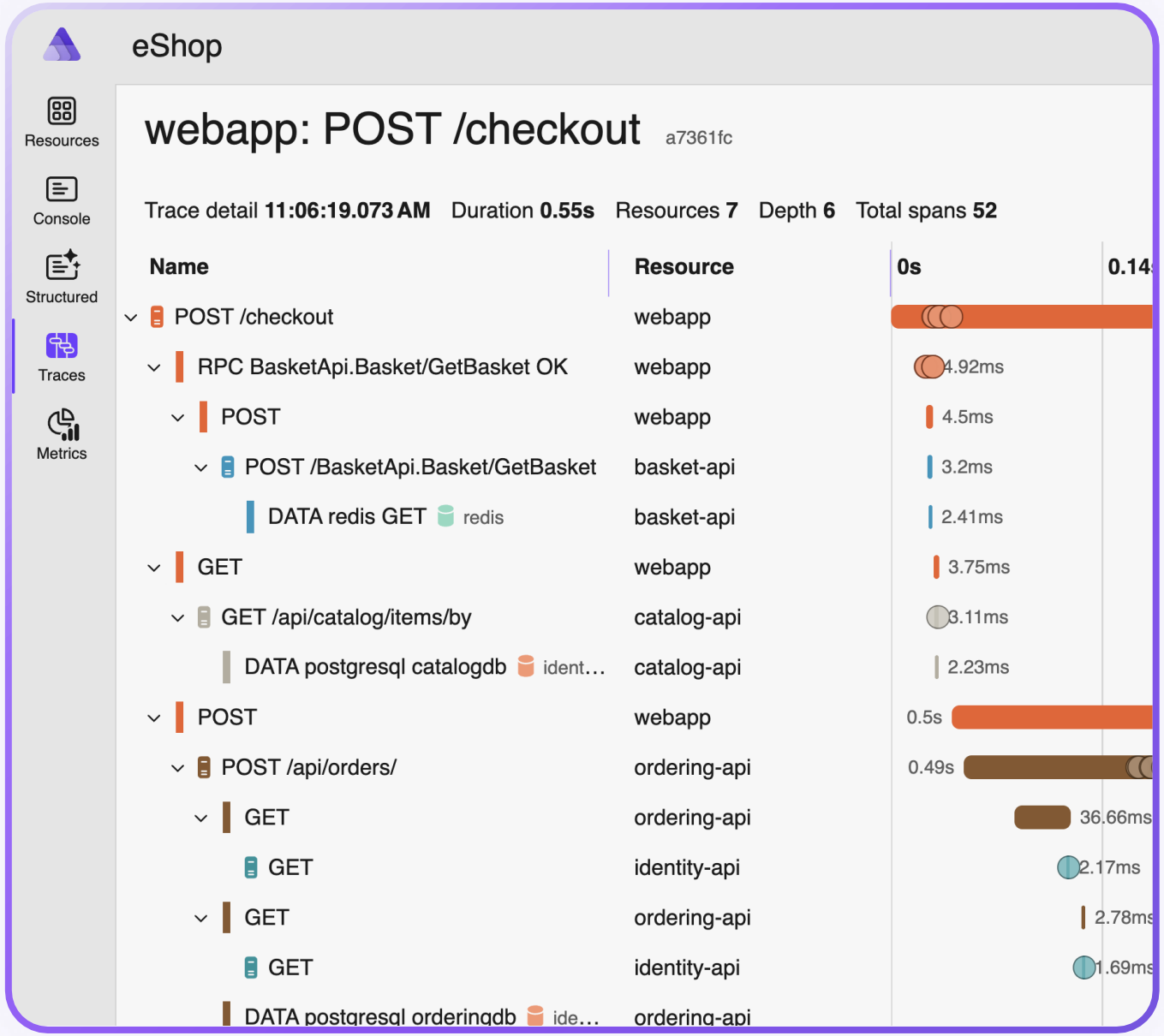
Use our prebuilt packages or bring your own. Bootstrap and run any type of container, CLI, or AI agent with a few lines of code.

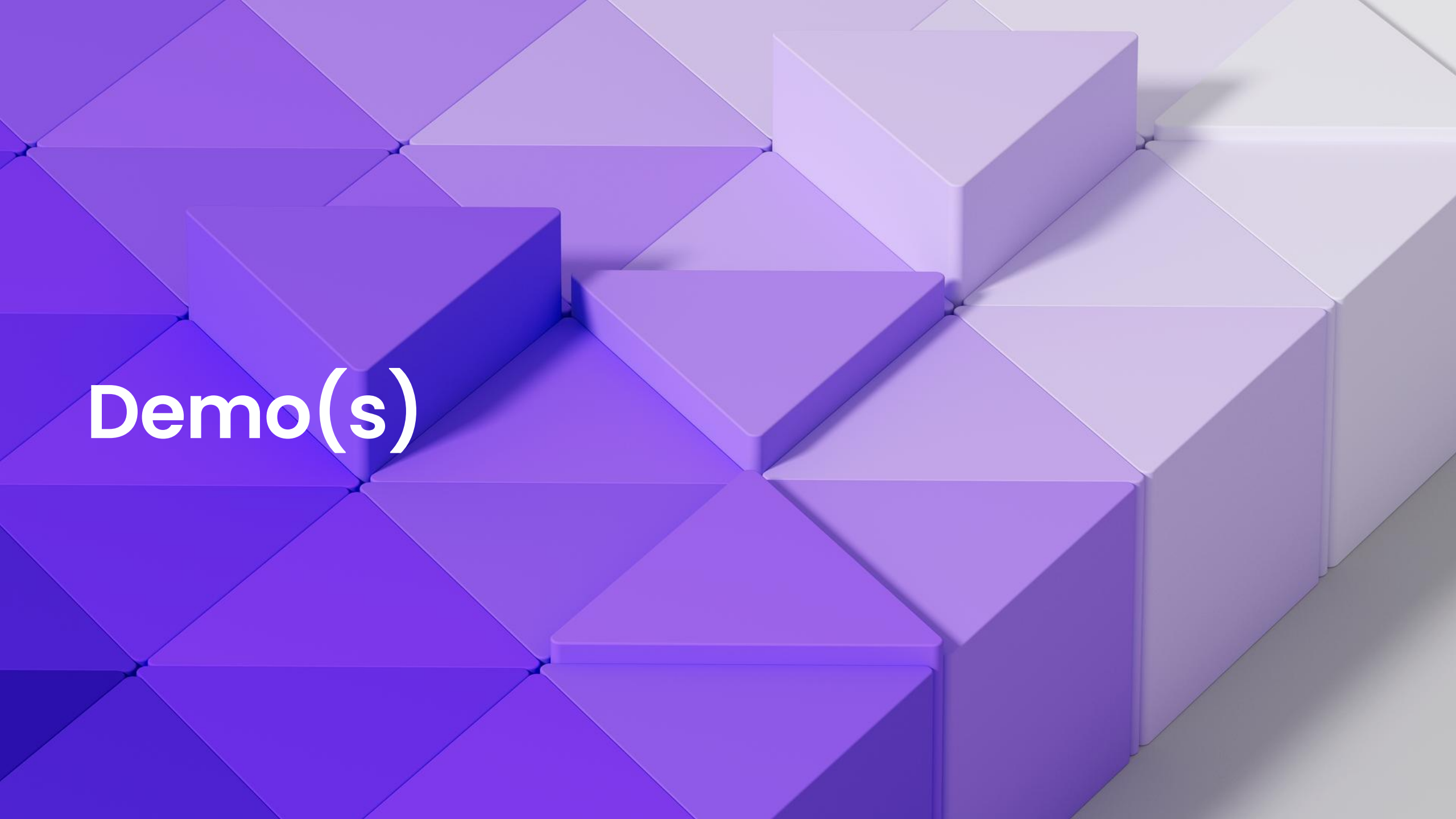


Dashboard

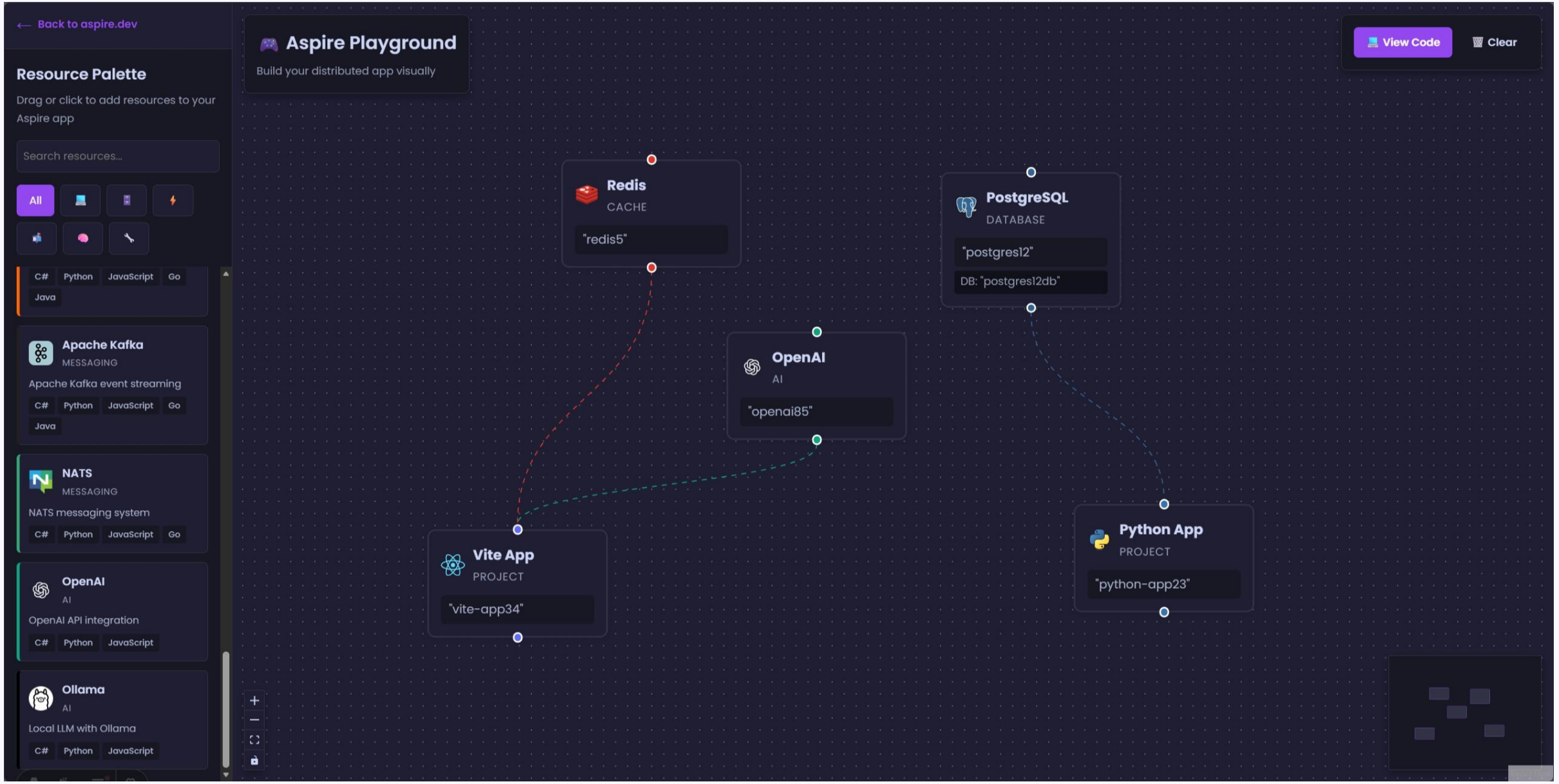
Observability from the start

Logs, traces, health checks—all local, all wired up automatically. OpenTelemetry included with zero setup.

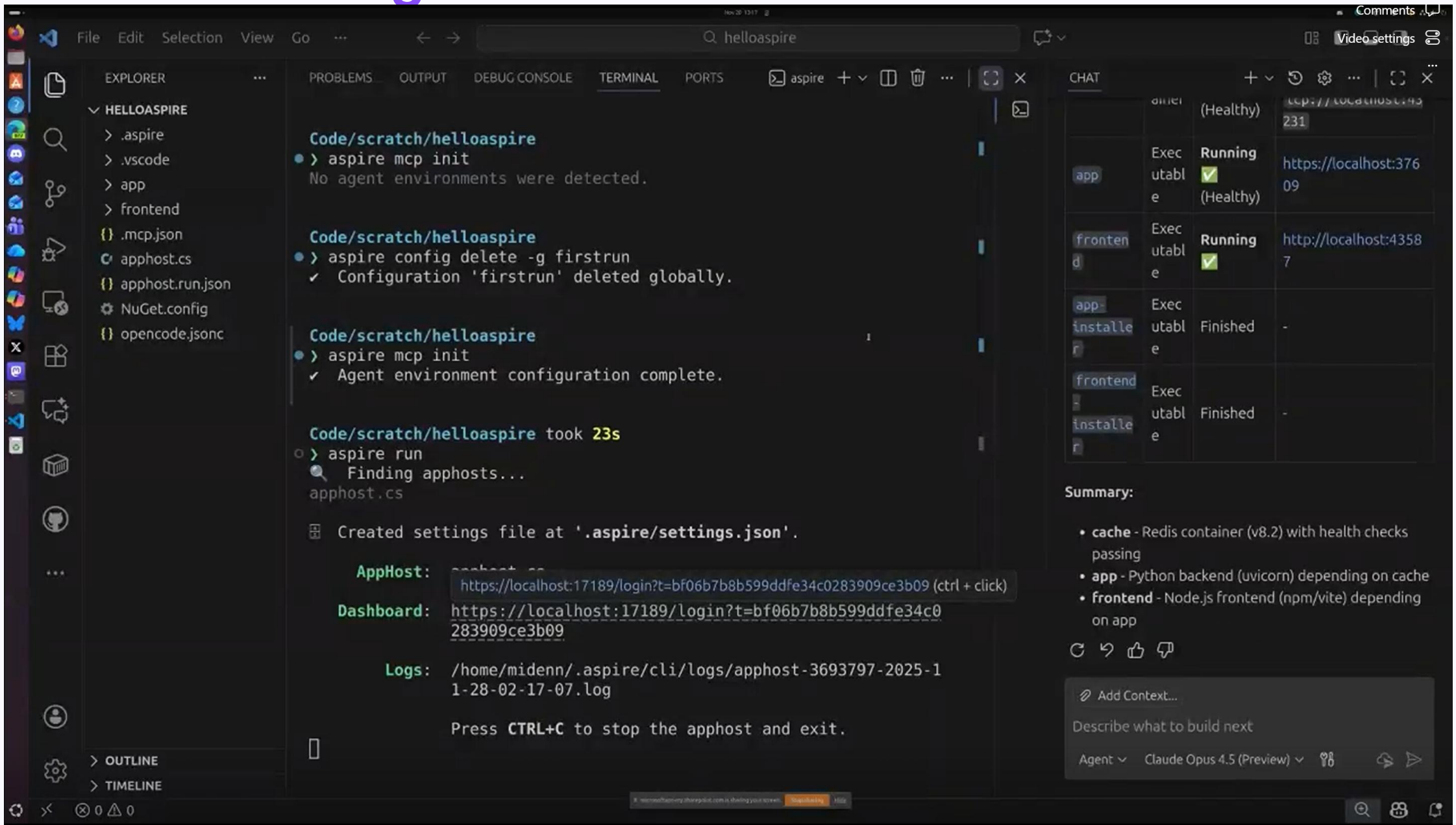



Demo(s)

What's coming next – UI Playground



What's coming next – New MCP server



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Thank you!

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