harper

SOLUTION BRIEF
Enterprise Agentic Development

UNLOCK AGENTIC ENGINEERING

Your agents build fast.
Now they can ship fast too.

Coding agents like Claude Code and OpenAI Codex have transformed how software gets written. But generated code still lands in a gap: it needs a database, a cache, an API layer, real-time messaging, and a deployment pipeline before it runs in production. That gap is human, manual, and expensive. Harper closes it.

How to Code with Agents on Harper

Harper is a unified runtime with declarative files that enable coding agents to build and deploy production systems.

01
Install Skills
Run `npm create harper@latest` to scaffold your project and give your agent full knowledge of Harper's architecture, syntax, and deployment patterns.

02
Agent Builds
Your agent writes three files: schema, resources, config. Harper generates the database, REST API, WebSocket layer, and vector search automatically.

✕
No Wiring Required
No separate database to provision. No cache to configure. No message broker to set up. One runtime handles everything within a single process.

03
Agent Deploys
Tell your agent to deploy. Harper Fabric distributes the application globally, routes traffic to the nearest node, and replicates data automatically.

The Problem With Backend "Stacks"

- **Fragmented stacks slow agents down**
  Multi-service architectures require glue code that agents generate inconsistently. Every handoff between services is a failure surface.
- **Infrastructure lives outside the code**
  When the database, cache, and deployment are configured separately, agents cannot control the full application surface autonomously.
- **Prototypes don't scale to production**
  Platforms optimized for speed-to-prototype hit architectural ceilings when enterprise compliance, security, and SLA requirements arrive.

How Harper Answers Each Challenge

- **One runtime, zero seams**
  Database, cache, application logic, real-time messaging, and vector search share a single in-memory process. Nothing to wire. No drift.
- **Declarative files agents control completely**
  Schema, endpoints, business logic, and deployment configuration all live in files the agent writes. The entire application surface is agent-addressable.
- **Enterprise-proven at production scale**
  Trusted by Verizon, StubHub, and Western Union for performance-critical workloads. Open source. Deployable on Red Hat OpenShift.

In Production:

One person built and deployed a complete AI ops assistant entirely on Harper in three days. The same workload previously required six separate SaaS services. Harper replaced all of them with a single unified runtime deployment. Without needing manually write a single line of code.

Click here to learn more

Works With Your Agents

- Claude Code
- OpenAI Codex
- Google Antigravity
- Harper Agent `npm install -g @harperfast/agent`

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