

# Modern Web Platform for Latency-Sensitive Applications

Simplify. Accelerate. Scale.

## The Problem

Today's SaaS platforms are buried under layers of infrastructure: separate services for databases, caches, queues, APIs, and edge delivery. It's complex, brittle, expensive, and slow to evolve.

## Harper's Paradigm Shift

Harper integrates the database, cache, messaging, and application functions into a single runtime designed for deployment and synchronization across regions. The distributed yet unified architecture creates highly efficient services that deliver extremely high-throughput at ultra-low-latency. Creating easy-to-manage services that can scale to efficiently manage 100s of terabytes of data.

**Unified Architecture** – One binary handles data, caching, messaging, and logic, simplifying development.

**Distributed by Design** – Deploy globally and synchronize data across regions in milliseconds.

**Higher Throughput by Design** – Harper eliminates network hops and intermediary serialization steps, freeing bandwidth for more RPS with less overhead.

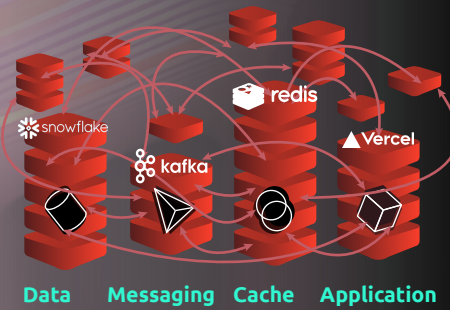
**Low-Latency In-Process APIs** – Access your data directly through REST, GraphQL, or custom endpoints, running inside the same process as your persistent and in-memory data stores.

**Boilerplate Code Eliminated** – Define data schemas with an @export directive to auto-generate REST and real-time endpoints (MQTT, WebSocket).

**Real-Time Native** – Data updates instantly trigger messages, no separate broker or handler required.

## Traditional Architectures

10 - 100 milliseconds (ms)



harper

~1 ms



All-in-one

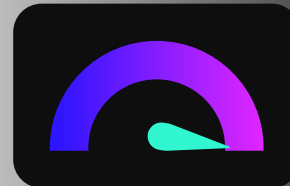
## Proven Impact



**10x - 250x**  
faster performance



**40% - 90%**  
Lower costs



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**\$100 Billion**

in annual digital commerce revenue relies on Harper today.

Example Deployment: Pre-rendered product page delivery at scale -

**26K RPS with 1.36 millisecond p95 Harper duration**

## Why It Matters

Performance isn't a luxury—it's a growth engine. Harper reduces latency and complexity, unlocking a better user experience, faster development, and higher throughput. With fewer layers, teams ship faster, operations stay lean, and every interaction feels instant. The result: lower infrastructure costs, happier users, and accelerated revenue.

**This is how the modern web should work.**