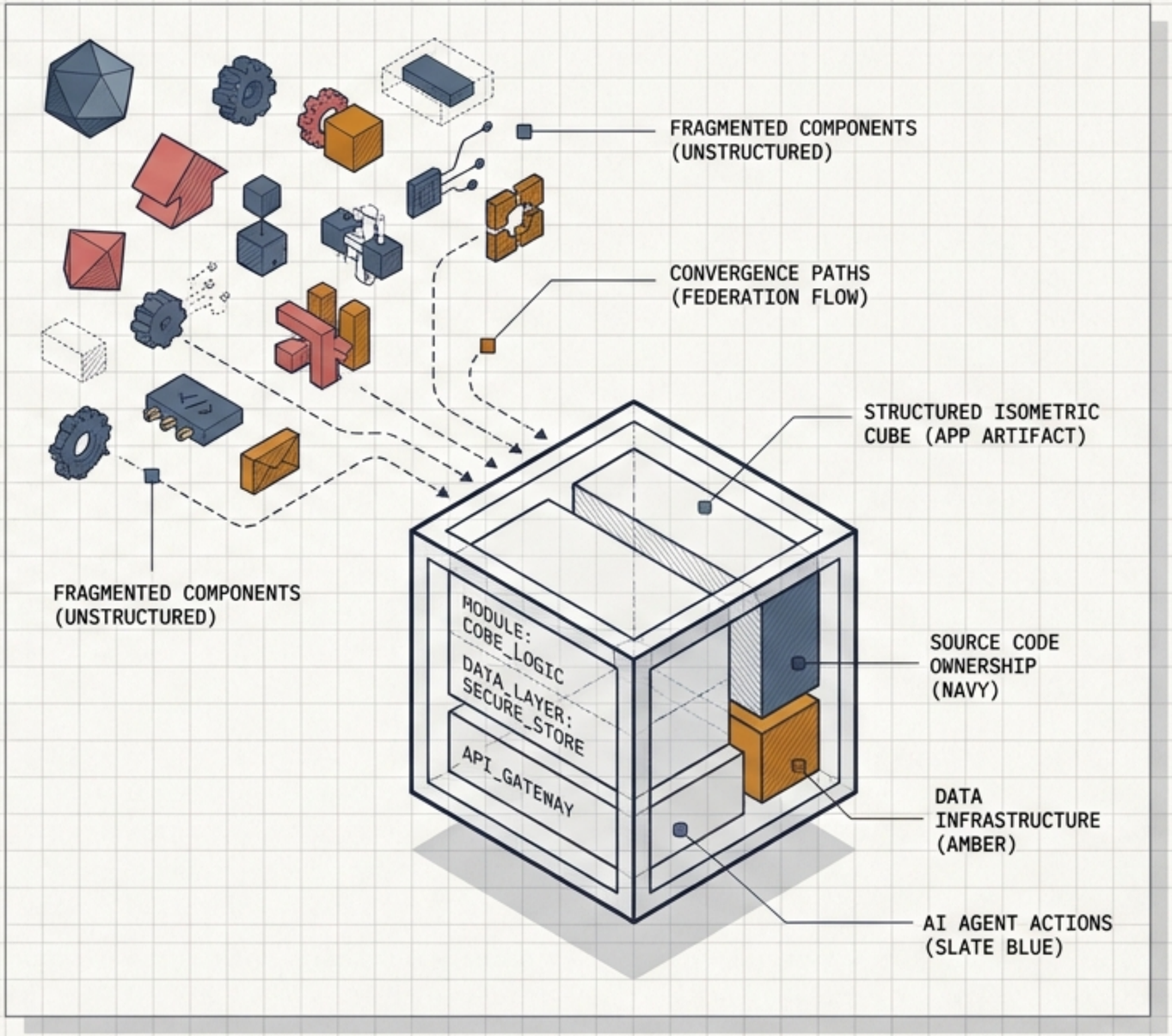
App Composer

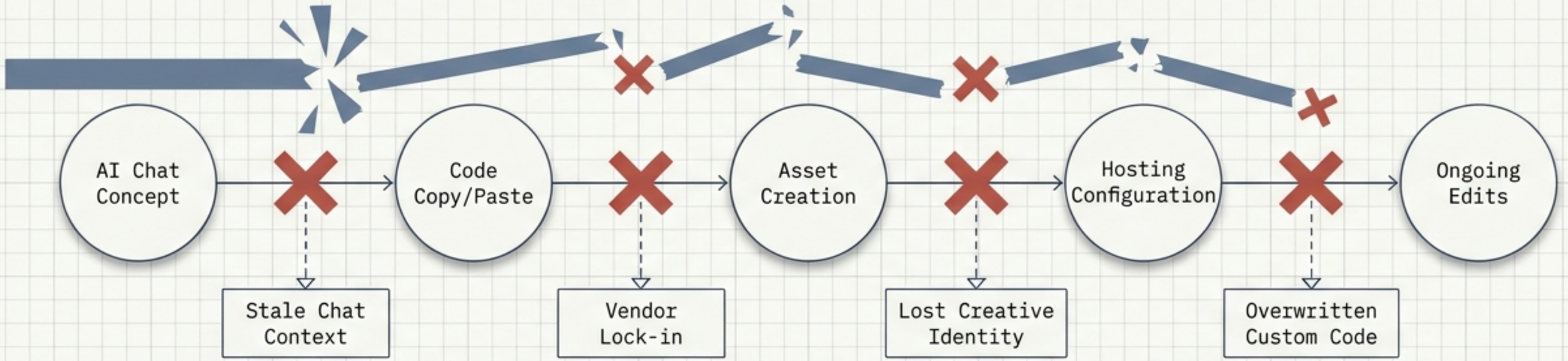
Build it. Ship it. Keep it running.

Turn an idea into a useful, polished project with your AI agent—and keep total ownership of the source, data, and infrastructure.



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Software Creation is Only 20% of the Work



TAKEAWAY

Projects die in the operations, media, and continuity handoffs. Software requires a connected lifecycle, not an isolated chat box.

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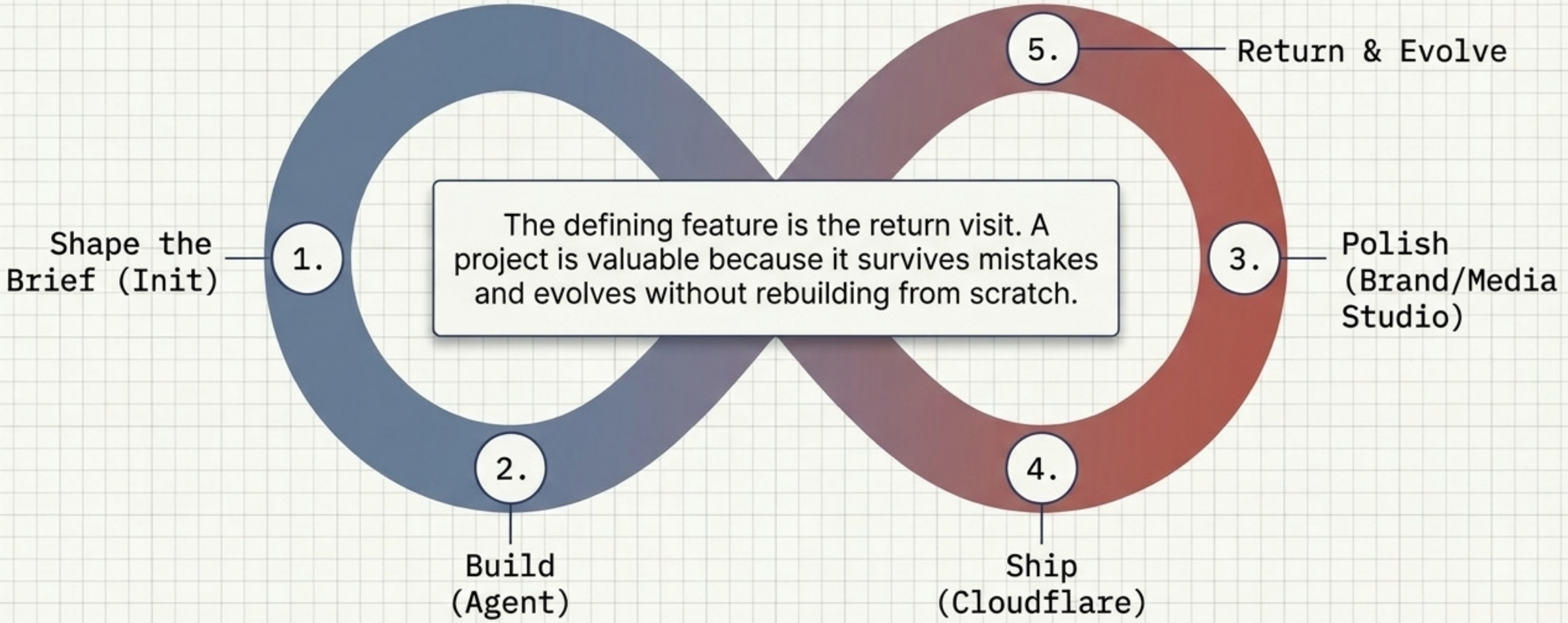
The New Paradigm of Ownership

	AI Chat Generators	No-Code SaaS	App Composer
Source Code Ownership	✓	✗	✓
Day-2 Editing	✗	✓	✓
Infrastructure Portability	✗	✗	✓
Creative Integration (Media/Assets)	⚠ Partial	⚠ Partial	✓
Data Federation	✗	✗	✓

You keep the source code, you deploy to your own Cloudflare account, and subsequent edits don’t overwrite your custom tweaks.

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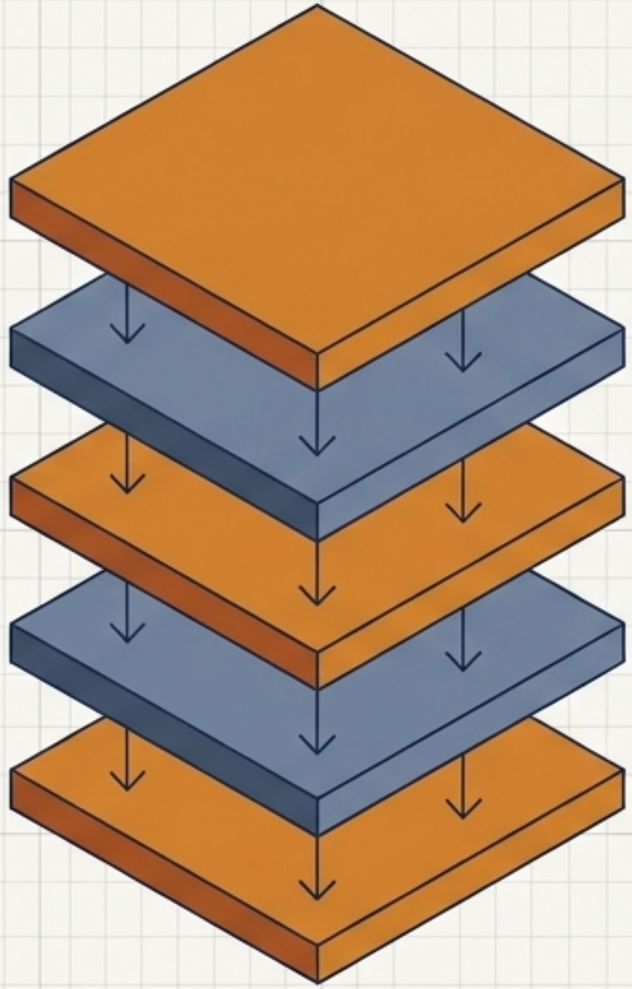
The Creator’s Continuity Loop



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Anatomy of the Infrastructure

The Cloudflare Foundation

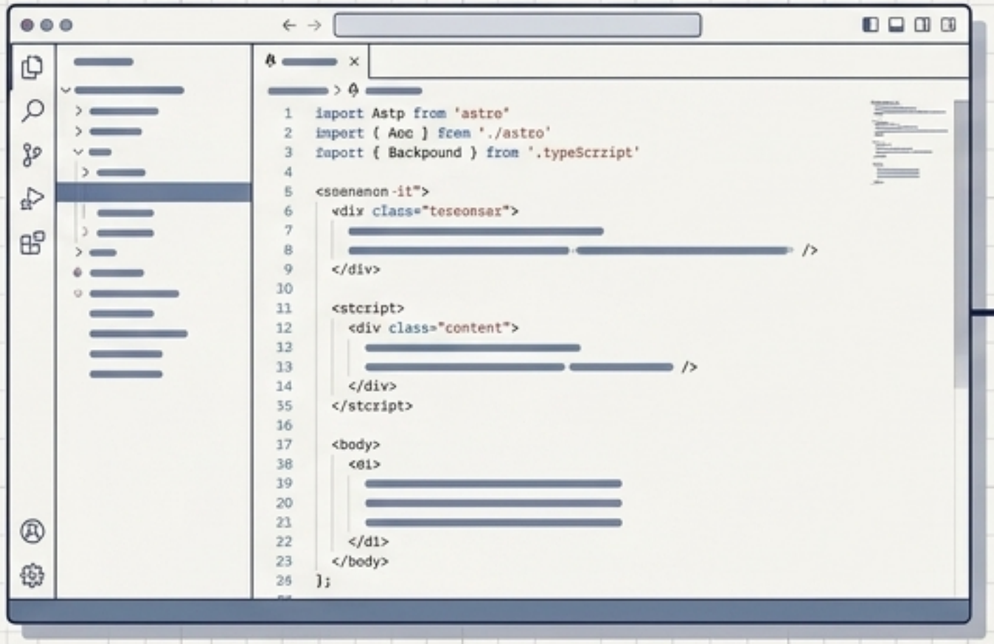


- **`Workers'**: Managed execution for frontend delivery and APIs.
- **`Workers AI`**: Boundless inference for selected tasks.
- **`D1**: Managed SQL structured records with SQLite semantics.
- **`R2**: Object storage for media, audio, and documents.
- **`Durable Objects'**: Strongly consistent local storage for multiplayer state.

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Day-2 Operational Reality

The Source (GitHub)



Retain full repository authority, exact source pins, and recovery material.

The Operations (EmDash)

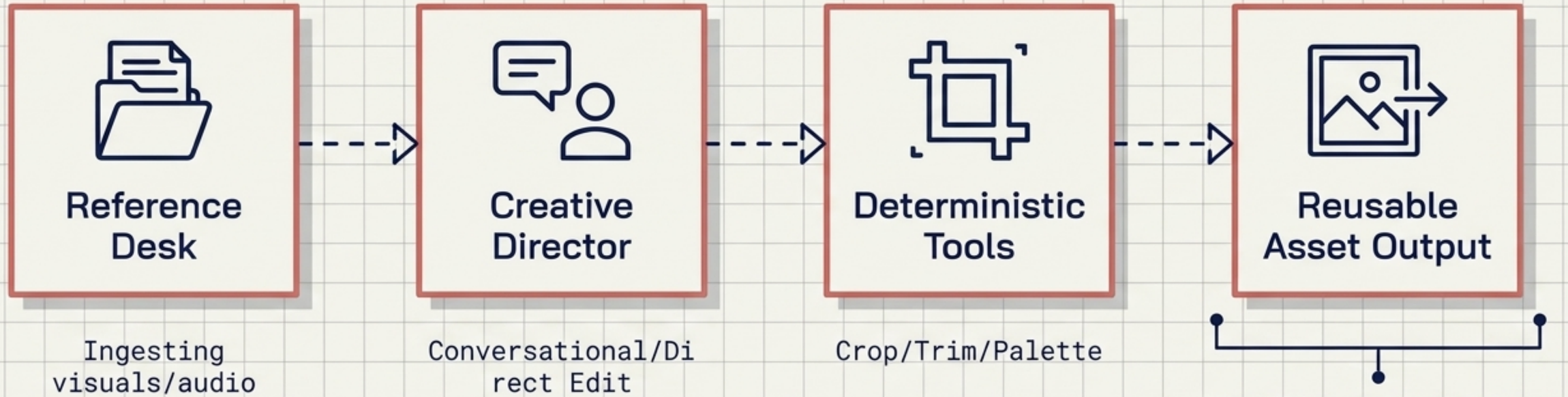


An **Astro-based CMS** providing native administration and content workflows.

Provides a managed, secure migration path from legacy WordPress setups to an owned EmDash infrastructure.

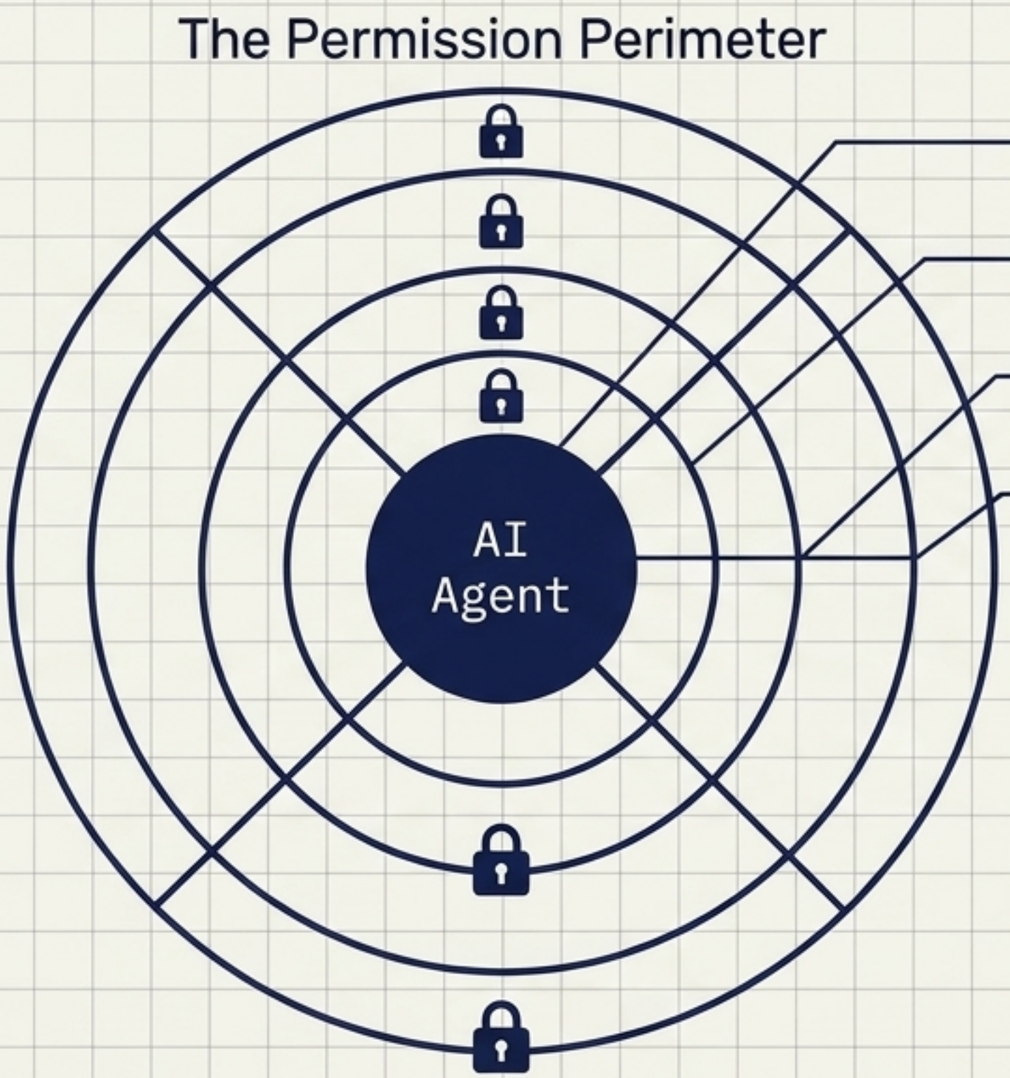
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Media Studio: The Creative Pipeline



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The Bounded Agent Interface



Inspect (Read-only project context)

Edit (Draft changes to code/media)

Execute (Run builds/tests)

Publish (Push to live Cloudflare account)

Agents are users too. Autonomy is limited to explicit grants.

Incoming material (e.g., source documents) cannot grant itself permission to publish, spend, or read another project's records.

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Intelligent Compute Selection

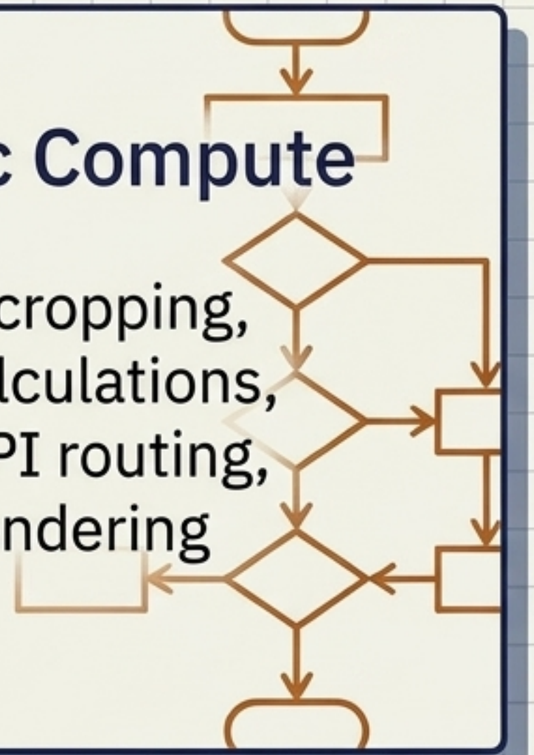
The Right Compute for the Right Job

LLMs & Inference



Used for: Creative planning, ambiguous implementation, script generation, visual evaluation

Deterministic Compute

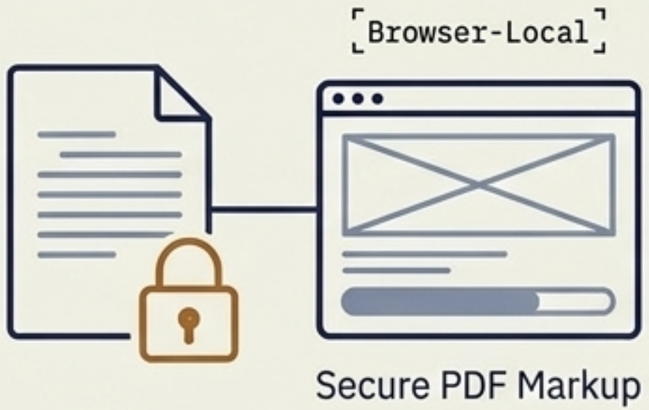


Used for: Image cropping, mathematical calculations, game physics, API routing, UI component rendering

Optimize for cost and accuracy by running deterministic tools locally in the browser, reserving expensive inference only for tasks that actually need it.

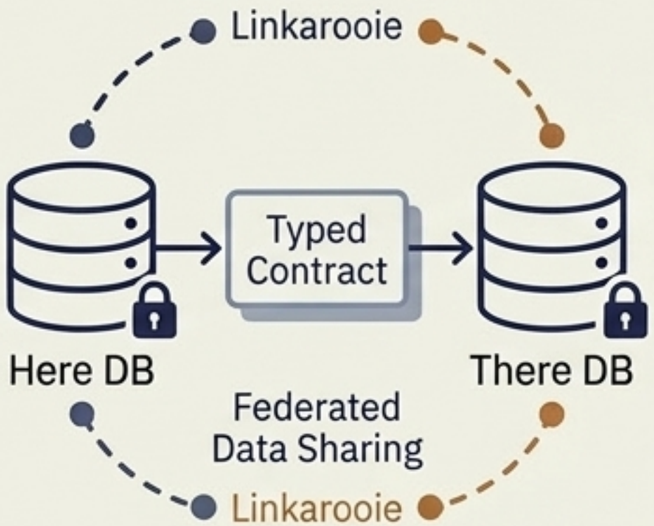
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The Portfolio Proof: Utilities & Federation



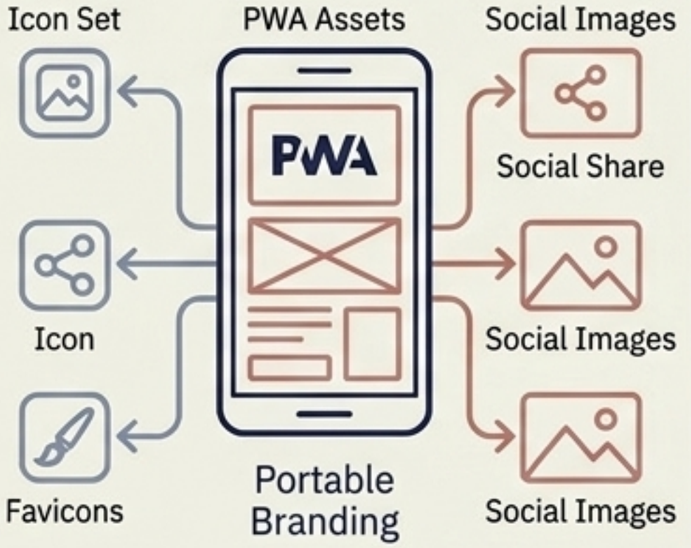
Paperwork

Proves secure, browser-local file handling and deterministic PDF markup without cloud data exposure.



Here / There & Linkarooie

Proves federated data sharing. Independent apps communicating via typed contracts, retaining separate source histories and authority.



Launch Kit

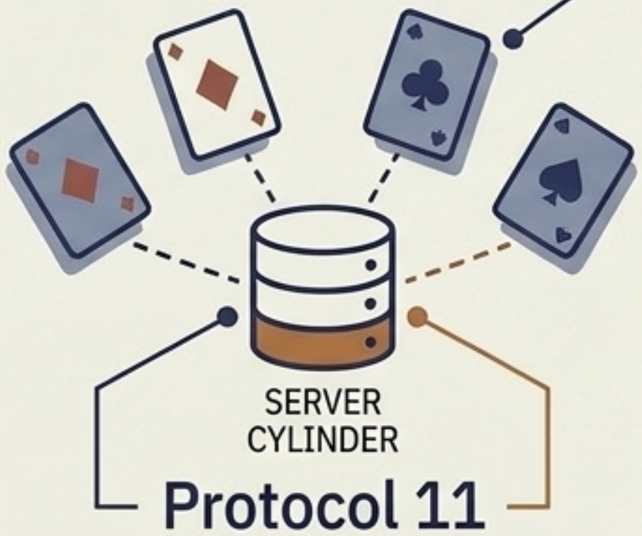
Proves portable branding. Generates exact PWA assets, icons, and social images from accepted artwork.

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The Portfolio Proof: Interactive Games & State

Games expose architectural flaws instantly.

Protocol 11



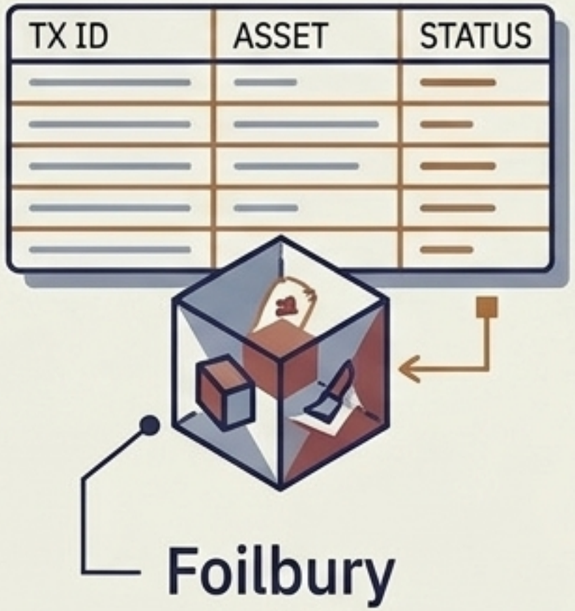
Proves live multiplayer state using Cloudflare Durable Objects for reconnectable sessions and server-authoritative rules.

Loftwah Fighter



Proves deterministic simulation kernels, character pipelines, and responsive phone interactions.

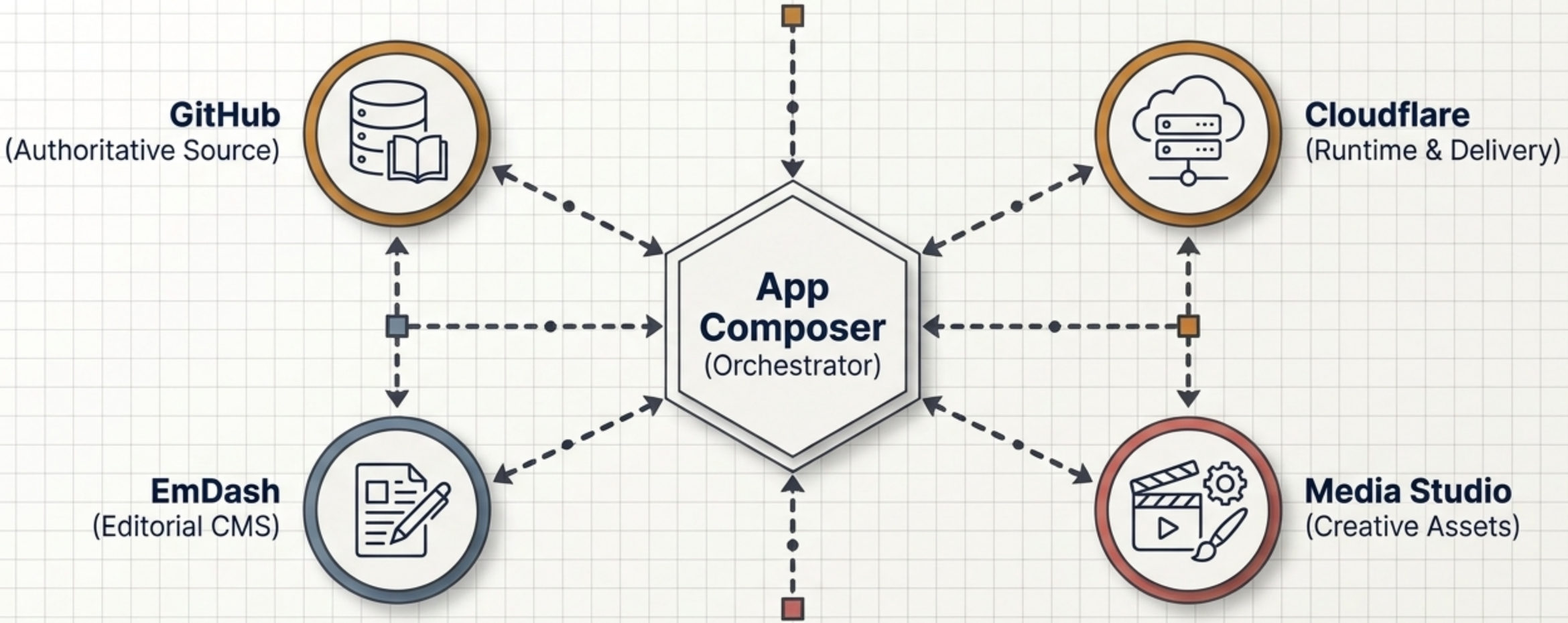
Foilbury



Proves transaction discipline. Authored capsule drops and retry-safe digital reward ledgers.

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Synthesis: The Federated Control Plane

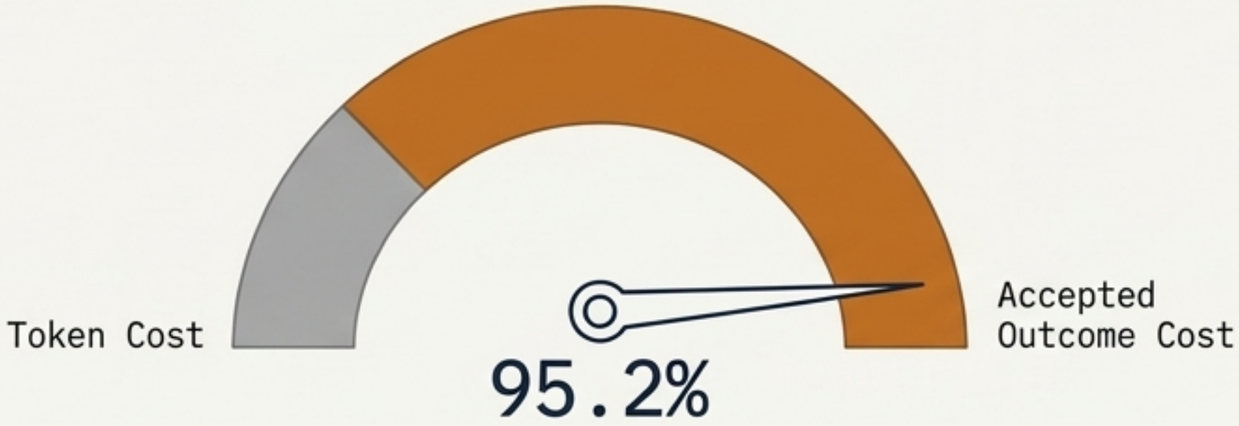


App Composer is a control plane, not a monolithic cage. Connected systems remain authoritative for the work they manage. You hold the keys to every node.

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Economics & Benchmarks Studio

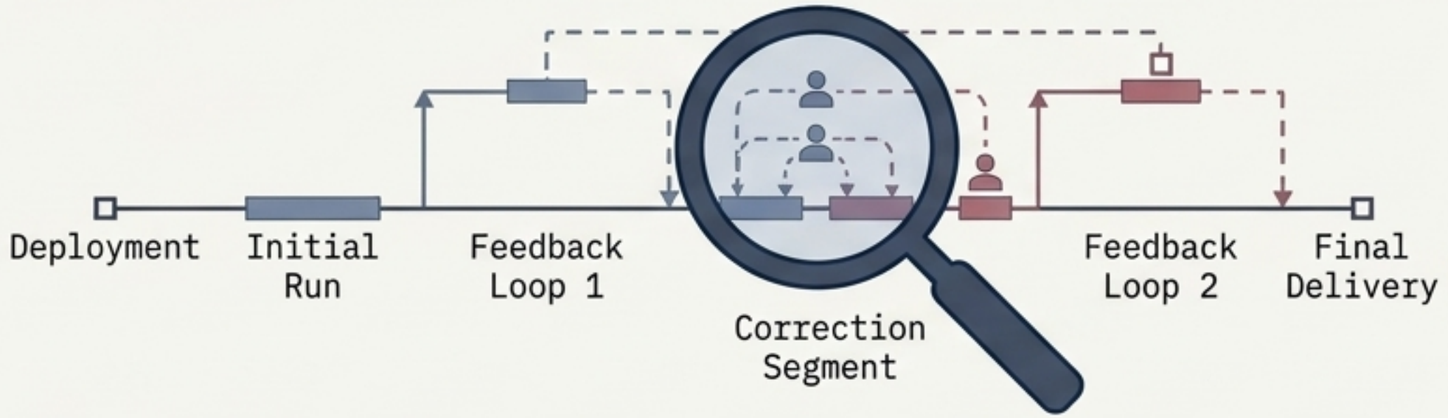
Measure the work you don't have to do.



The True Benchmark

Evaluates models based on real portfolio scenarios, measuring the true cost per accepted outcome.

A cheap API call is expensive if the result requires ten manual human revisions.

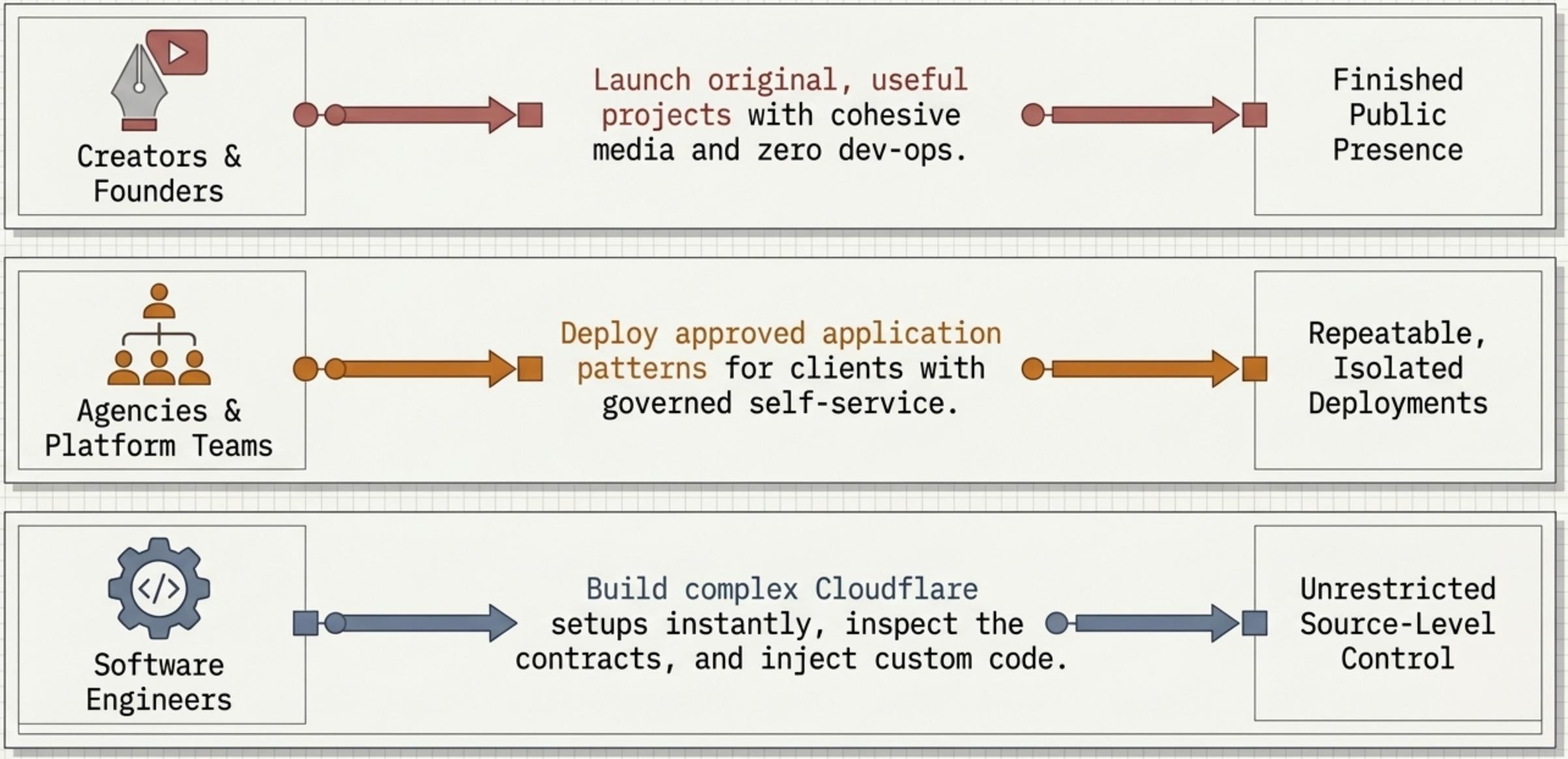


Intervention Accounting

Strict tracking of manual deployment, debugging, and text editing required after agent delivery.

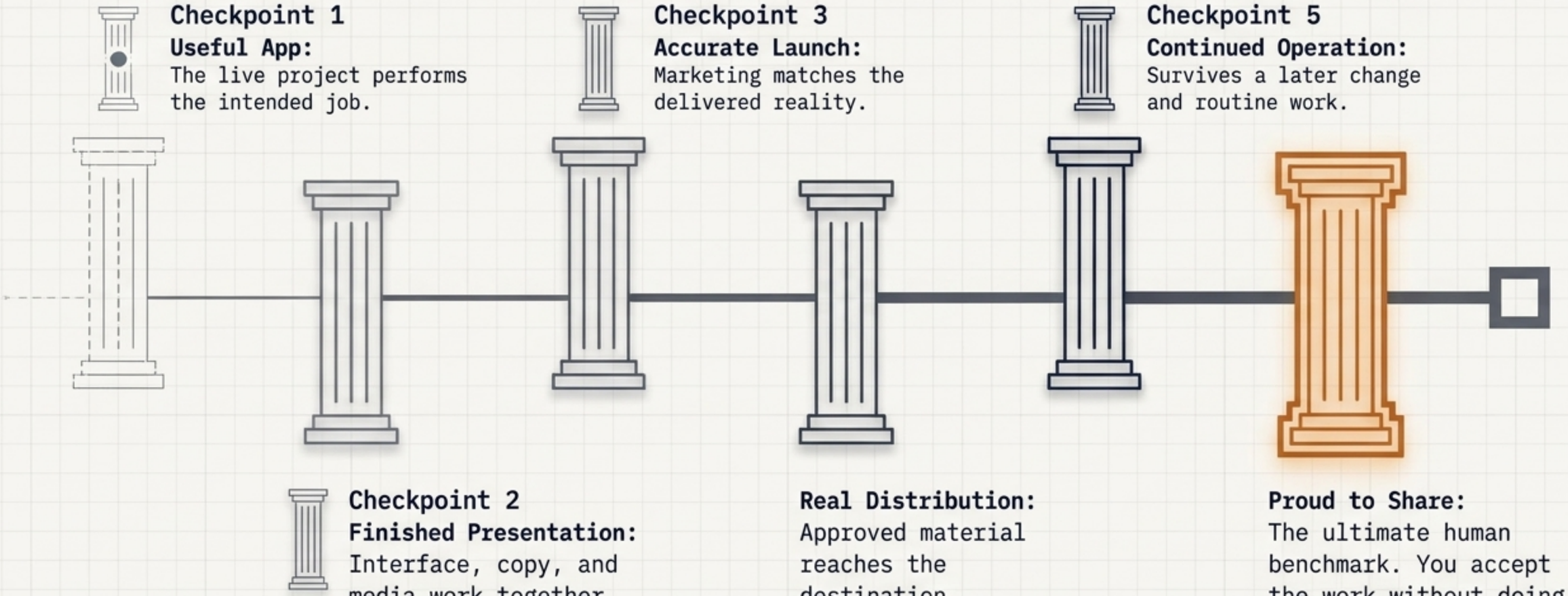
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Tailored Pathways for the Modern Web



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The Final Standard



Checkpoint 1
Useful App:
The live project performs the intended job.

Checkpoint 2
Finished Presentation:
Interface, copy, and media work together.

Checkpoint 3
Accurate Launch:
Marketing matches the delivered reality.

Real Distribution:
Approved material reaches the destination.

Checkpoint 5
Continued Operation:
Survives a later change and routine work.

Proud to Share:
The ultimate human benchmark. You accept the work without doing the repair yourself.

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