



UNYKORN IMPACT & INNOVATION REPORT • EDITION 2026 • COMPANION

HEARTH, *FORGE* and ANVIL

A runtime that stops when its receipts fail to verify, a build doctrine that writes down every decision, and the bar both are measured against.

UnyKorn LLC September 2026 Edition 1.0

Why it exists

An autonomous system that acts without a record cannot be audited, corrected or trusted with anything that touches money, keys or people. UnyKorn's answer is not a policy document but a runtime whose first rule is receipt before act, and a build process whose first phase is classification.

HEARTH is the formal name of the runtime; Finn is its persona. FORGE is how every UnyKorn build is made. ANVIL is the engineering bar, drawn from primary sources rather than from any one practitioner, so that the techniques are owned at their origin.

Stop on integrity failure. If a chain fails to verify, all work stops and the failure is reported. That result outranks the task.

Global context

The WEF's long-term outlook is clouded by misinformation and adverse outcomes of AI; the BIS describes a system where operations execute only when their preconditions are met. HEARTH is an attempt to build the second idea into an AI runtime so that the first risk has a receipt trail: receipt before act, stop on integrity failure.

EXTERNAL

World Economic Forum · Global Risks Report 2025 (20th edition, 15 January 2025)

"Misinformation and disinformation remain top short-term risks for the second consecutive year, underlining their persistent threat to societal cohesion and governance by eroding trust." Other leading short-term risks include cyber-espionage and warfare. Drawn from "over 900 global risks experts, policy-makers and industry leaders surveyed in September and October 2024"; 64% of experts anticipate a fragmented global order.

<https://www.weforum.org/press/2025/01/global-risks-report-2025-conflict-environment-and-disinformation-top-threats/>

EXTERNAL

BIS · Annual Economic Report 2025, Chapter III, "The next-generation monetary and financial system" (June 2025)

Sets three tests any monetary system must pass: singleness (money settles at par, no questions asked), elasticity (supply expands to meet payment needs), integrity (resistance to financial crime). Finds that stablecoins fall short on all three and that tokenisation of central bank reserves, commercial bank deposits and government bonds on a unified ledger can "enable the contingent performance of actions": operations that execute only when their preconditions are met.

<https://www.bis.org/publ/arpdf/ar2025e3.htm>

Sources. External sources retrieved 2026-09-09 from the URLs shown; quotations verbatim, the IMF paper paraphrased

What we built

The runtime is a Node.js kernel with no dependencies beyond Node itself: a coherence gate, a four-tier permission resolver, a quarantine layer for untrusted input, a hash-chained receipt log, an optional local language model, and a web interface. A unified smoke test proves every subsystem runs in one process.

HEARTH

Ten runtime rules

Receipt before act; no bulk edits without a dry run; never touch receipt logs or key material; assert nothing unsourced; label every subsystem's state; stop on integrity failure.

FORGE

Seven build phases

Classify, brief, build, report, review, decide, ship. Two reviewers when secrets or money are involved. Founder flags for decisions the builder may not make.

ANVIL

Eleven principles

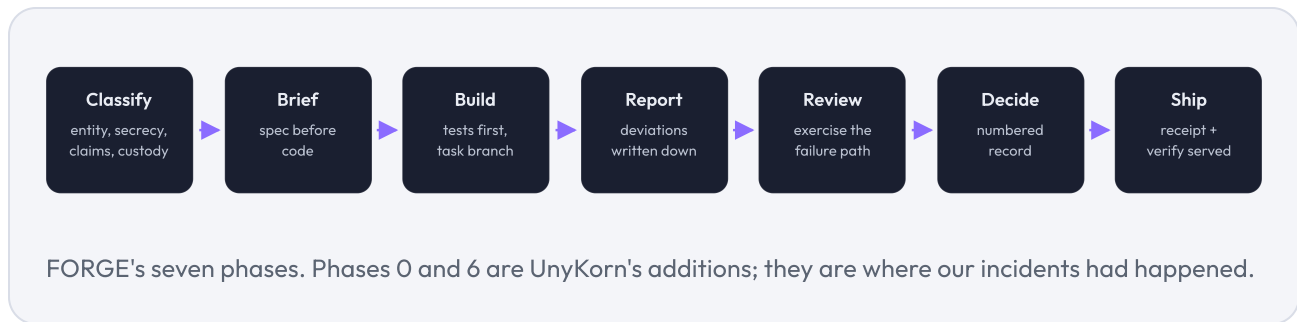
Least privilege and complete mediation (Saltzer and Schroeder), decision records (Nygard), test-first (Beck), Twelve-Factor, DORA, SRE, OWASP ASVS, NIST key hierarchy, one-way doors, idempotent money movement.

PROCESS REPOSITORY

Versioned constitution

The three documents, standards, templates and bootstrap scripts, published for any team to adopt.

How it works



The review phase must exercise the denied path as the role, not read the policy. That rule came from a real miss elsewhere, where a metadata check passed while a missing grant would have exposed data.

What is real today

Every row was checked against a served response or a test run on the date in the source line, not read from code.

CAPABILITY	EVIDENCE	STATE
Unified smoke test	10 of 10 subsystems pass in one process (2026-08-10)	MEASURED
Hardening suite after the chain-fork incident	37 of 37 tests pass; writer lock added (2026-08-10)	MEASURED
Stop rule under a real fault	Two writers appended at the same sequence with the same previous hash; Rule 10 fired; segment sealed and a new segment opened with a parent link	MEASURED
Build constitution in use	Every 2026 product release in this report carries a FORGE receipt	MEASURED
Customer-facing surface	None; internal until a full quarter without a manual repair	ABSENT
Independent audit of the runtime	Not yet	TARGET

Trust and safeguards

The runtime keeps no secrets in public artifacts: canary terms, detection patterns and thresholds never appear in a deck, a paper or a filing. Any proposed change to receipt logs or key material stops the task. Incidents are recorded blamelessly and each one changes a gate.

Economics

No product is sold from the runtime today. Its value shows up as fewer incidents and faster recoveries in the lines that do charge.

Next phase

Run the receipt log for a full quarter without manual repair; publish the property tests that enforce the loop rules; decide with counsel which parts of the doctrine become filed intellectual property.

Sources. memory: HEARTH runtime end-to-end 2026-08-10; chain-fork incident record 2026-08-10 · github.com/FTHTrading/process (commit 693aa14, 2026-08-10) · [~/./claude/rules/07, 08, 09](#)

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MEASURED a figure taken from a served response, a test run, a filing, or a repository at a stated date

CAPABILITY something the software does today; not a count of use

IN DEVELOPMENT built, exercised, not yet on a customer surface

GATED built and waiting on an external step (a plan, a key, a verification click, counsel)

TARGET a roadmap intention, not a result **ABSENT** deliberately not built, and said so

EXTERNAL a finding quoted from a named institution, with its URL and the date we retrieved it

Network: unykorn.ai · blockchainfraud.org · nil33.com · legal.unykorn.ai · our commitments