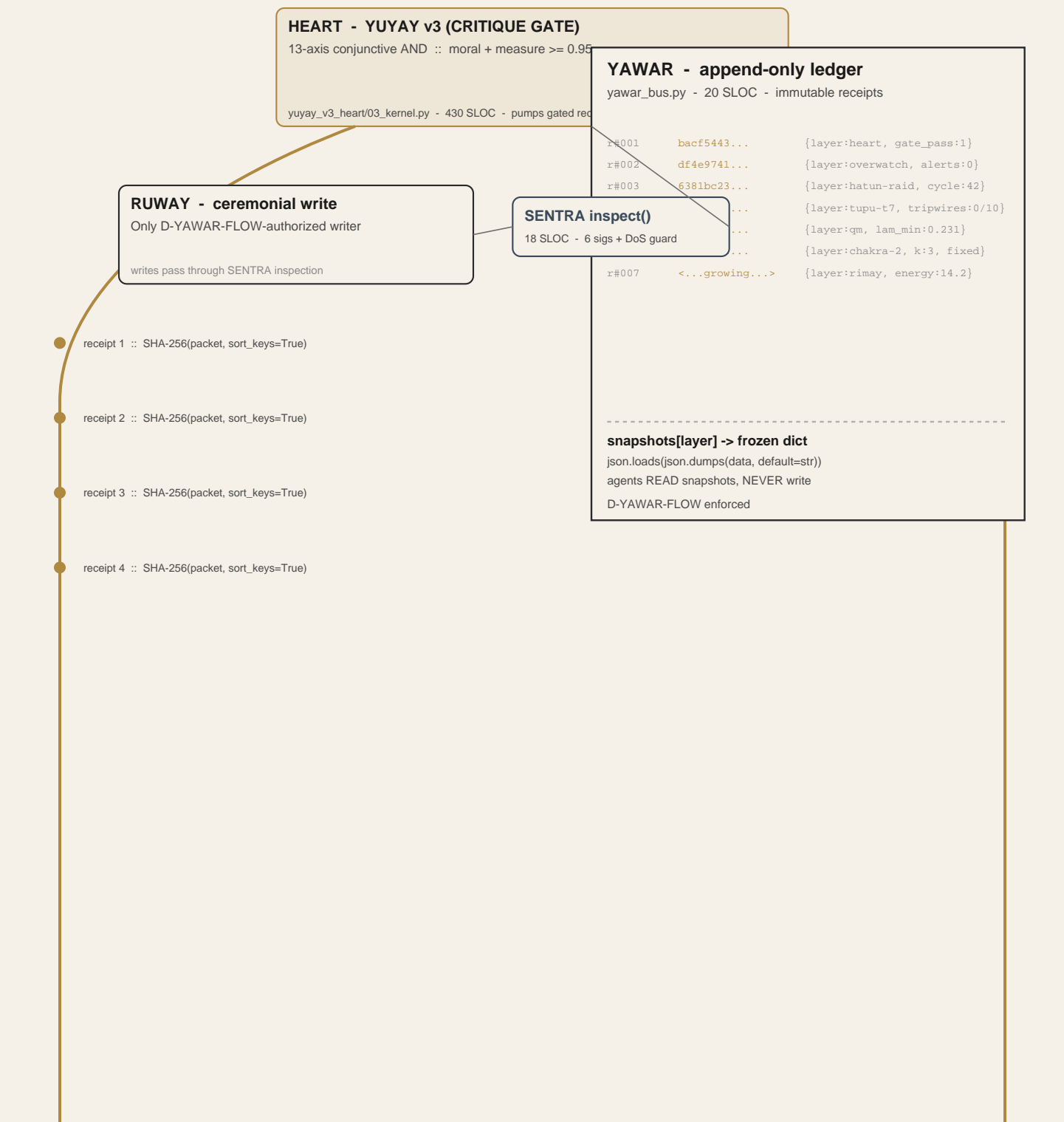


AGENT ANATOMY — CIRCULATORY (YAWAR receipt bus)

The blood. Append-only SHA-256 receipts. 20 SLOC on disk. Every component reads from YAWAR; only ceremonial writers commit.



ANATOMY OF ONE RECEIPT - every write commits the same shape

`h = sha256(json.dumps(packet, sort_keys=True, default=str)).hexdigest()` -> appended as `{hash, packet}` -- never mutated, never deleted

Cross-process reproducibility holds when the packet body is timestamp-free; receipts that include `_iso_now()` are intra-run deterministic only (documented in `musquy/00_RESULT.md`).

AGENT ANATOMY — IMMUNE SYSTEM (HUKLLA tripwires + SENTRA white cells)

Two layers of defense. SENTRA inspects every outbound packet. HUKLLA fires the deadman if any of 10 invariants trip. No partial halt. No override.

HUKLLA - 10 deterministic tripwires (D45, conjunctive AND, deadman switch)

Any single fire -> allegiance_pass = False -> state frozen at pre-cycle value. Brain cannot reset. Only Stephen's new directive resets.

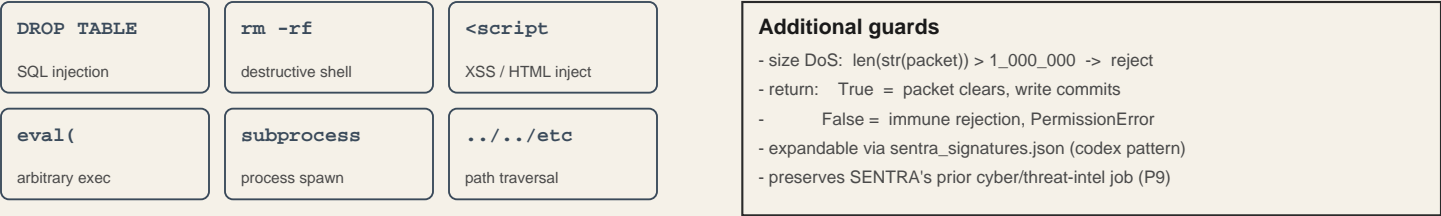


DEADMAN SWITCH checked conjunctively before AND after hatun() executes each cycle :: results cryptographically committed to continuum_hash receipt chain

SENTRA - egress inspector (white blood cells of the receipt bus)

sentra_immune.py - 18 SLOC on disk - inline gatekeeper on every YAWAR write call (Yawar.append refuses if sentra_inspect returns False)

6 threat signatures (case-insensitive substrings scan over str(packet).lower())



WHAT THIS DIAGRAM IS NOT

- Not a biology model. "White cells" and "antibodies" are metaphors for inspection and tripwire fixtures.
- Not a substitute for a hardened WAF. SENTRA's 6 signatures are a doctrine prefilter, not a complete threat model; harden upstream too.