

Quality Gate Hooks (Kotlin/GraalVM)

Quality Gate Hooks

Enforce quality standards before task completion and during sessions.

EvidenceGatekeeper (alain-hooks evidence-gate)

Event: PreToolUse[Bash] | **ZAKON:** #21

Blocks `mc.js done` if no evidence directory exists:

- Checks for `/tmp/evidence- $\{taskId\}$ /` directory
- Directory must exist and contain at least one file
- Creates machine-verification requirement for task completion

ClaimBlocker (alain-hooks claim- blocker)

ZAKON: #21 | Available in binary, not wired in settings.json

Blocks unverified claims in tool output:

- Detects claim patterns: X/Y PASS, ALL TESTS GREEN, works, deployed, DONE
- Requires evidence files from last 15 minutes
- Deploy claims need specific browser verification evidence

StopVerifyClaims (alai-hooks stop-verify)

Event: Stop | **ZAKON:** #21

Verifies claims before session end:

- Reads last ~4000 chars from session JSONL
- Quick regex scan for CEO-level factual claims
- Runs claim-detector.js + claim-verifier.js
- Blocks session end if claims fail verification
- 12s subprocess timeout, fails open on error

AutoVerifyClaims (alai-hooks auto-verify)

Event: UserPromptSubmit | **ZAKON:** #21

Advisory verification before responding to CEO:

- Reads last 3 John responses (within 5 minutes)
- Runs claim-detector.js + claim-verifier.js
- 10-minute cooldown per claim (no spam)
- Always exit 0 (advisory only)

PipelineGate (alai-hooks pipeline-gate)

Event: PreToolUse[Bash]

Enforces CI/CD pipeline usage for deployments.

TechStackGate (alai-hooks tech-stack-gate)

Event: PreToolUse[Write|Edit|MultiEdit]

Enforces ALAI unified tech stack (Kotlin/Ktor + Next.js 15).

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