

Inventory: Daemon Fleet

AI Factory Daemon Fleet Audit — 2026-05-09

Auditor: kelsey-hightower

Timestamp: 2026-05-09T20:48 UTC

Source of truth: `launchctl list` + `daemon-fleet-status.json` (generated 2026-05-09T18:33:52Z)
+ plist reads + error log sampling

Fleet size (watchdog): 148 tracked entries | 47 running keepalive | 74 calendar_ok | 3 down | 20 erroring

Fleet size (launchctl live): 168 rows matching alai/john/no.alai pattern (includes daemons not in watchdog)

1. Live Exit-Code Matrix

Column key: PID ([-] = not running) | Last Exit | Plist location | KeepAlive policy | Schedule

1a. RUNNING (keepalive, PID alive, exit 0 or -15/SIGTERM)

Daemon	PID	Exit	Plist Path	KeepAlive	Schedule
com.alai.agent-timeout-monitor	1163	0	system/daemons/launchagents	always	continuous
com.alai.cc-api-server	1183	0	system/daemons/launchagents	always	continuous
com.alai.credit-monitor	1223	0	system/daemons/launchagents	always	continuous
com.alai.idle-learning-daemon	1196	0	system/daemons/launchagents	always	continuous
com.alai.litestream	51452	0	Library/LaunchAgents	always	continuous

Daemon	PID	Exit	Plist Path	KeepAlive	Schedule
com.alai.mem0-server	65706	-15 (SIGTERM)	Library/LaunchAgents	always	continuous
com.alai.mlx-gemma4	27321	0	(not in known dirs)	always	continuous
com.alai.mlx-qwen25-coder-32b	31120	0	(not in known dirs)	always	continuous
com.alai.mlx-qwen3-32b	29227	0	(not in known dirs)	always	continuous
com.alai.mlx-qwen3-8b	29488	0	(not in known dirs)	always	continuous
com.alai.ollama-serve-v2	29100	0	system/daemons/launchagents	always	continuous
com.alai.orchestrator-bridge	1185	0	system/daemons/launchagents	always	continuous
com.alai.ram-monitor	1241	0	system/daemons/launchagents	always	continuous
com.alai.task-router	1200	0	system/daemons/launchagents	always	continuous
com.alai.web-learning	1176	0	system/daemons/launchagents	always	continuous
com.john.bookstack-webhook-relay	1206	0	system/daemons/launchagents	always	continuous
com.john.browse-r-worker	1211	0	system/daemons/launchagents	always	continuous
com.john.caddy-vault	86082	0	system/daemons/launchagents	always	continuous
com.john.cloudflare	79617	0	system/daemons/launchagents	always	continuous
com.john.comms-agent	1186	0	system/daemons/launchagents	always	continuous
com.john.documenso-webhook	20561	0	system/daemons/launchagents	always	continuous
com.john.durable-executor	1212	0	system/daemons/launchagents	always	continuous
com.john.edita-loop	61758	0	system/daemons/launchagents	always	continuous
com.john.email-agent	92225	0	system/daemons/launchagents	calendar	calendar

Daemon	PID	Exit	Plist Path	KeepAlive	Schedule
com.john.email-tracker	11292	0	system/daemons/launchagents	conditional	conditional
com.john.event-dispatcher	65452	0	system/daemons/launchagents	always	continuous
com.john.health-dashboard	1189	0	system/daemons/launchagents	always	continuous
com.john.hook-daemon	1240	0	system/daemons/launchagents	always	continuous
com.john.intake-watcher	41929	0	system/daemons/launchagents	always	continuous
com.john.kenan-hot-web	1231	0	system/daemons/launchagents	always	continuous
com.john.llm-datasette	1170	0	system/daemons/launchagents	always	continuous
com.john.mc-dashboard	65673	0	system/daemons/launchagents	always	continuous
com.john.n8n	1203	0	system/daemons/launchagents	always	continuous
com.john.network-watchdog	1194	0	system/daemons/launchagents	always	continuous
com.john.ops-watchdog	8782	-15 (SIGTERM)	system/daemons/launchagents	always	continuous
com.john.outbox-processor	1190	0	system/daemons/launchagents	always	continuous
com.john.paste-logger	1224	0	system/daemons/launchagents	always	continuous
com.john.pi-orchestrator	75750	0	system/daemons/launchagents	always	continuous
com.john.slack-bot	18046	1 (last crash exit)	system/daemons/launchagents	always	continuous
com.john.tender-dashboard	1234	0	system/daemons/launchagents	always	continuous
com.john.toolshed	1191	0	system/daemons/launchagents	always	continuous
com.john.vault-keeper	87005	0	system/daemons/launchagents	always	continuous
com.john.vault-proxy	1222	0	system/daemons/launchagents	always	continuous
com.john.youtube-nightly-learning	83439	0	system/daemons/launchagents	always	continuous

Daemon	PID	Exit	Plist Path	KeepAlive	Schedule
no.alai.claude-proxy	6361	0	Library/LaunchAgents	always	continuous
com.alai.rag-drain-worker	3640	1 (prev exit)	system/config/launchagents	always	continuous
com.alai.rag-fsevents-adapter	64755	1 (prev exit)	system/config/launchagents	conditional	WatchPaths
com.alai.daemon-fleet-watchdog	2815	0	(Library/LaunchAgents)	calendar	every 15min

1b. DOWN — Exit 0 (intentional one-shot or conditional)

Daemon	PID	Exit	Notes
com.john.autocoder-ui	-	0	down_exit_0: one-shot complete
com.john.draft-sender	-	0	down_exit_0: conditional, no pending drafts
com.john.orchestrator-http	-	0	down_exit_0: DUPLICATE — orchestrator-bridge runs same script on port 3052

1c. CALENDAR SCHEDULED — Exit 0 last run (healthy)

These fired successfully on last scheduled run. Not exhaustively listed — watchdog confirms 74 in this state.

Key members: `com.alai.apply-knowledge`, `com.alai.archive-first-scan`, `com.alai.chain-weekly-report`, `com.alai.docker-watchdog`, `com.alai.gcloud-auth`, `com.alai.john-daily-digest`, `com.alai.lightrag-backup`, `com.alai.memory-watchdog`, `com.alai.meta-agent-loop`, `com.alai.restore-drill`, `com.alai.skill-audit`, `com.alai.team-sync`, `com.alai.wal-checkpoint`, `com.alai.weekly-planning`, `com.alai.zombie-cleanup`, `com.john.agentforge`, `com.john.bookstack-sync`, `com.john.calendar-bridge`, `com.john.critical-tools-healthcheck`, `com.john.daemon-health`, `com.john.db-archival-sweep`, `com.john.db-backup`, `com.john.domain-audit`, `com.john.drift-detector`, `com.john.email-briefing`, `com.john.forge-watchdog`, `com.john.log-rotate`, `com.john.mc-session-worker`, `com.john.morning-routine`, `com.john.offsite-backup`, `com.john.pi2-override-audit`, `com.john.review-drain`, `com.john.session-archiver`, `com.john.session-extractor`, `com.john.spam-recovery-scan`, `com.john.system-guardian`, `com.john.tldr-actionizer`, `com.john.tldr-briefing`, `com.john.tldr-watch`, `com.john.tldr-weekly-synthesis`, `com.john.weekly-synthesis`, `no.alai.email-body-integrity`, `no.alai.meta-agent`, `no.alai.resolver`, `no.alai.spend-guard`.

1d. FAILING — Non-zero exit codes

Daemon	PID	Exit Code	Plist Location	KeepAlive	Schedule
com.alai.azure-db-backup	-	1 (exit 256 internal)	system/config/launchagents	none (RunAtLoad=false)	every 4h
com.alai.blueprint-fleet-watchdog	-	1 (exit 256)	Library/LaunchAgents	none	daily 06:15
com.alai.cert-expiry-monitor	-	1 (exit 256)	system/config/launchagents	none	daily 07:00
com.alai.chain-daily-inbox	-	1 (exit 256)	Library/LaunchAgents	none	daily 07:00
com.alai.chain-e2e-nightly	-	1 (exit 256)	Library/LaunchAgents	none	daily 02:00
com.alai.chain-phantom-detector	-	1 (exit 256)	Library/LaunchAgents	none	every 15min
com.alai.cost-daily-report	-	127	Library/LaunchAgents	none	daily 23:55
com.alai.daily-planning	-	127	Library/LaunchAgents	none	daily 07:30
com.alai.filesystem-audit	-	1 (exit 256)	Library/LaunchAgents	none	Monday 08:00
com.alai.pi-orch-health	-	127	Library/LaunchAgents	none	daily 23:00
com.alai.rag-bookstack-adapter	-	1 (exit 256)	system/config/launchagents	none	every 5min
com.alai.rag-drain-worker	3640	1 (prev exit, now running)	system/config/launchagents	always	continuous
com.alai.rag-fsevents-adapter	64755	1 (prev exit, now running)	system/config/launchagents	conditional	WatchPaths
com.alai.rag-mc-adapter	-	1 (exit 256)	system/config/launchagents	none	every 5min
com.alai.rdap-audit-quarterly	-	2	Library/LaunchAgents	none	quarterly
com.john.alaiml-retrain	-	1 (exit 256)	system/config/launchagents + Library/LaunchAgents	none	1st of month 03:00
com.john.auto-verify-regression	-	1 (exit 256)	system/daemons/launchagents	none	daily 06:00

Daemon	PID	Exit Code	Plist Location	KeepAlive	Schedule
com.john.b2-offsite-backup	-	1 (exit 256)	system/daemons/launchagents	none	daily 03:30
com.john.bookstack-staleness	-	1 (exit 256)	system/daemons/launchagents	none	Sunday 22:00
com.john.infra-drift-detector	-	1 (exit 256)	system/daemons/launchagents	none	Sunday 04:00
com.john.legal-docs-azure-sync	-	127	Library/LaunchAgents	Crashed=true	daily 02:00
com.john.lightrag-monitor	-	2	system/config/launchagents	none	daily 09:00
com.john.mcp-health-check	-	127	Library/LaunchAgents	Crashed=true	every 1h
com.john.slack-bot	18046	1 (last crash)	system/daemons/launchagents	always	continuous

1e. NOT LOADED (watchdog knows them, launchctl does not)

Daemon	State
com.alai.lightrag-migrate-pump	not_loaded
com.alai.lightrag-outbox-ingest	not_loaded
com.alai.lightrag-watchdog	not_loaded
com.john.rdap-audit-quarterly	not_loaded

2. Failure Cohort — Root Cause Analysis

EXIT 127 — Script/binary not found (BROKEN — script deleted)

These five daemons have plists in Library/LaunchAgents pointing to scripts that no longer exist on disk. Exit 127 is bash's "command not found" — the script path itself is gone.

Daemon	Missing Script	Last Successful Run	Category
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com.alai.pi-orch-health	<code>~/system/tools/pi-orch-health.sh</code>	2026-05-06 (verdict: CRITICAL)	BROKEN
com.alai.cost-daily-report	<code>~/system/tools/cost-daily-report.sh</code>	2026-04-29	BROKEN
com.alai.daily-planning	<code>~/system/tools/daily-planning.sh</code>	unknown	BROKEN
com.john.legal-docs-azure-sync	<code>~/system/daemons/legal-docs-azure-sync.sh</code>	unknown	BROKEN
com.john.mcp-health-check	<code>~/system/tools/mcp-health-check.sh</code>	unknown	BROKEN

Note on legal-docs-azure-sync and mcp-health-check: Both have `KeepAlive.Crashed=true`, meaning launchd will restart them on crash. Since they always exit 127, they are in a guaranteed restart loop (throttled). This wastes process spawns indefinitely.

EXIT 1 / 256 — Script exists but fails at runtime (BROKEN — dependency missing)

Daemon	Script	Root Cause	Category
com.alai.rag-bookstack-adapter	<code>rag-bookstack-adapter.js</code>	Queue depth 946 > 500 backpressure gate — never drains because drain-worker cannot reach LightRAG	BROKEN (cascade)
com.alai.rag-drain-worker	<code>rag-drain-worker.js</code>	Vaultwarden ETIMEDOUT → CF credentials unavailable → LightRAG unreachable	BROKEN
com.alai.rag-mc-adapter	<code>rag-mc-adapter.js</code>	Same backpressure cascade, queue depth 946	BROKEN (cascade)
com.alai.rag-fsevents-adapter	<code>rag-fsevents-adapter.js</code>	Queue depth >500 backpressure, runs but skips all enqueues	BROKEN (cascade)
com.alai.azure-db-backup	<code>azure-db-backup.sh</code>	<code>az storage blob upload</code> SIGTERM'd (line 116); temp dirs leaked in /tmp	TRANSIENT
com.alai.cert-expiry-monitor	<code>cert-expiry-monitor.sh</code>	Script exists, no error log found — likely network/curl failure	TRANSIENT
com.alai.chain-daily-inbox	<code>chain-runner.sh --enqueue daily-inbox-triage</code>	chain-runner.sh exists; failure likely in downstream chain execution	TRANSIENT
com.alai.chain-e2e-nightly	<code>chain-e2e-nightly.sh</code>	Script exists; likely Playwright/network dependency failure	TRANSIENT

Daemon	Script	Root Cause	Category
com.alai.chain-phantom-detector	<code>phantom-link-detector.js</code>	Script does NOT exist on disk — MISSING	BROKEN
com.alai.filesystem-audit	<code>~/bin/anvil-audit.sh</code>	Script exists; last exit 256 may be diff/rename limit warning elevated to exit	TRANSIENT
com.alai.blueprint-fleet-watchdog	<code>~/system/daemons/blueprint-fleet-watchdog.js</code>	Script exists; likely a missing dep or API auth failure	TRANSIENT
com.john.alaiml-retrain	<code>~/ALAI/internal/projects/alaiML/scripts/retrain.sh</code>	Script exists; DUPLICATE plist (both config and Library/LaunchAgents); likely venv path or MC dep failure	BROKEN (duplicate)
com.john.auto-verify-regression	<code>auto-verify-regression.js</code>	Script exists; calls <code>claim-verifier.js</code> — probable missing dep or API failure	TRANSIENT
com.john.b2-offsite-backup	<code>b2-offsite-backup.sh</code>	B2 storage cap EXCEEDED (403 storage_cap_exceeded) and auth token limit errors	BROKEN (infra)
com.john.bookstack-staleness	<code>bookstack-staleness.js</code>	API parse error "Unexpected end of JSON input" on page 2553+ — BookStack API truncating responses	BROKEN
com.john.infra-drift-detector	<code>infra-drift-detector.sh</code>	<code>diff.renameLimit</code> warning elevated to non-zero exit; git rename detection failing on large repos	TRANSIENT
com.john.slack-bot	<code>(node process)</code>	WebSocket pong timeouts (ETIMEDOUT); process alive and heartbeating, but launchd saw a crash exit	TRANSIENT

EXIT 2 — Logic/health failure

Daemon	Script	Root Cause	Category
com.alai.rdap-audit-quarterly	plist not found in known dirs	Script path unknown, likely MISSING	BROKEN
com.john.lightrag-monitor	<code>lightrag-health-with-alert.sh</code>	Script exits 1/2 when LightRAG is degraded — this is INTENTIONAL ALERTING behavior, but LightRAG IS degraded	EXPECTED (alarm correctly firing)

3. Producer-Consumer Wiring

RAG Ingest Pipeline (currently DEADLOCKED)

```
com.alai.rag-fsevents-adapter  watches ~/system/evidence, ~/system/specs, ~/system/rules
com.alai.rag-bookstack-adapter polls BookStack API every 5min
com.alai.rag-mc-adapter        reads ~/system/logs/mc-task-outcomes.jsonl
    --> all three WRITE to ~/system/state/ingest-queue.sqlite (queue depth: 946, frozen)

com.alai.rag-drain-worker (keepalive) reads ingest-queue.sqlite
    --> attempts POST to https://lightrag.basicconsulting.no (via CF Access)
    --> CF credentials lookup: Vaultwarden ETIMEDOUT (bw-session stale or vault unreachable)
    --> LightRAG unreachable → queue never drains → backpressure locks all three producers

ORPHAN OUTPUT: ~/system/metrics/ingest_pipeline.prom written by rag-drain-worker
    --> nothing confirmed reading this file (no Prometheus scrape config found in audit)
```

This is the single most critical broken pipeline in the factory. 946 items queued, zero being processed.

Memory / Knowledge Layer

```
com.alai.mem0-server (PID 65706, keepalive)
  reads/writes: http://localhost:6333 (Qdrant vector store)
  produces: REST API on localhost:9000 (port cslistener)
  consumed by: discover.js, agent tools calling /v1/memories
  STATUS: alive and healthy (health 200, Qdrant 200)
  NOTE: exit -15 (SIGTERM) in launchctl = prior graceful restart; current run is clean

com.alai.litestream (PID 51452, keepalive)
  reads: SQLite DBs in ~/system/state/ (flywheel.db, health-events.db, etc.)
  writes: B2 bucket alai-studio-backup (replication stream)
  STATUS: running but b2-offsite-backup.sh (separate) hitting B2 storage cap

com.alai.wal-checkpoint (calendar, exit 0)
  reads/writes: SQLite WAL files in ~/system/state/
  consumed by: litestream (clean WAL = cleaner replication)
```

Orchestration Kernel

```
com.john.pi-orchestrator (PID 75750, keepalive)
  reads: Planka MC API (boards.basicconsulting.no per mock config)
  writes: ~/system/logs/pi-orchestrator/daemon-*.log
  STATUS: running, cycling every 30s, "No eligible tasks" – running in MOCK MODE
  NOTE: alai-config-mock.json loaded; real config resolver likely not resolving

com.alai.orchestrator-bridge (PID 1185, keepalive)
  runs: orchestrator-http-server.js on port 3052
  produces: HTTP API for triggering orchestrator actions
  STATUS: running healthy

com.john.orchestrator-http (down_exit_0)
  DUPLICATE of orchestrator-bridge – same script, same port (3052)
  Watchdog says down_exit_0: port already bound by bridge when this tried to start
  ORPHAN: plist in Library/LaunchAgents, shadow of orchestrator-bridge
```

Backup Layer

```
com.john.b2-offsite-backup (calendar, exit 1)
  reads: ~/system/state/ SQLite snapshots
  writes: B2 bucket alai-studio-backup
  STATUS: BLOCKED – B2 storage cap exceeded (403)

com.alai.azure-db-backup (calendar, exit 1)
  reads: Azure SQL databases (via az CLI)
  writes: ~/system/daemons/azure-db-backup.sh → Azure Blob Storage
  STATUS: TRANSIENT failures, az upload SIGTERM'd (timeout in script or process kill)
  ORPHAN TEMP: /tmp/az-backup-* directories leaking (rm fails on non-empty dirs)
```

Comms / Slack

```
com.john.slack-bot (PID 18046, keepalive)
  reads: Slack WebSocket (socket-mode)
  writes: Slack messages, ~/system/logs/slack-bot.log
  STATUS: alive, heartbeating, WebSocket reconnects successfully (~once per session)
  CONCERN: 300min silent (no incoming Slack messages received in 5h as of audit time)
```

```
no.alai.email-body-integrity (calendar, exit 0)
  reads: IMAP one.com (email body verification)
  writes: ~/system/logs/email-integrity.log
  STATUS: healthy last run
```

Monitoring / Health

```
com.john.lightrag-monitor (calendar, exit 2)
  reads: LightRAG API health endpoint
  writes: /tmp/lightrag-task-context.json, ~/system/evidence/lightrag-health-*.md
  STATUS: correctly reporting LightRAG as degraded; Slack alert delivery ALSO failing
  ORPHAN OUTPUT: lightrag-health-*.md files accumulating in ~/system/evidence/
    (rag-fsevents-adapter trying to enqueue these – but queue full – circular feedback)

com.alai.daemon-fleet-watchdog (PID 2815, every 15min)
  reads: launchctl list, all plist dirs
  writes: ~/system/state/daemon-fleet-status.json
  STATUS: healthy, data current as of 18:33:52Z today

com.alai.pi-orch-health (calendar, exit 127)
  was: reads pi-orchestrator state, writes ~/system/state/pi-orch-health-*.json
  STATUS: BROKEN – script deleted. Last known verdict (2026-05-06): CRITICAL
```

MLX / Inference Layer

```
com.alai.mlx-gemma4 (PID 27321)
com.alai.mlx-qwen3-32b (PID 29227)
com.alai.mlx-qwen3-8b (PID 29488)
com.alai.mlx-qwen25-coder-32b (PID 31120)
com.alai.ollama-serve-v2 (PID 29100)
  STATUS: all running (keepalive), exit 0
  PRODUCES: inference endpoints on ANVIL (local)
  Note: plists not found in audited dirs – loaded from unknown location (possibly
~/Library/LaunchAgents subdirs)
```

4. Critical-Path Daemon Assessment

com.john.pi-orchestrator

- **PID:** 75750 | **Exit:** 0 | **Status:** RUNNING
- **Healthy?** Process is alive and cycling every 30s. However, it is running in MOCK MODE (`alai-config-mock.json`). The config resolver is not resolving real service URLs (Planka localhost:3100 is not listening per MEMORY.md). "No eligible tasks" every cycle.
- **Produces:** Cycle logs to `~/system/logs/pi-orchestrator/daemon-stdout.log`
- **Consumes:** MC/Planka API (currently mocked, not reaching real board)
- **Verdict:** Process alive but effectively IDLE. Not orchestrating anything. Mock mode = silent failure.

com.alai.pi-orch-health

- **PID:** - | **Exit:** 127 | **Status:** BROKEN
- **Root cause:** `~/system/tools/pi-orch-health.sh` was deleted. Script ran last on 2026-05-06 with verdict CRITICAL. Now permanently broken until script is restored.
- **Produces:** `~/system/state/pi-orch-health-*.json` (last written 2026-05-06)
- **Verdict:** BROKEN — monitoring of the orchestrator kernel has gone dark.

com.alai.mem0-server

- **PID:** 65706 | **Exit:** -15 (prior SIGTERM) | **Status:** ALIVE AND HEALTHY
- **Root cause of -15:** launchctl records the exit code of the previous run; the current process (PID 65706) started clean. SIGTERM was a graceful restart, not a crash.
- **Evidence:** Port 9000 listening (lsof confirmed), `/health` returns 200, Qdrant at localhost:6333 returns 200.
- **Note:** `/v1/memories` returning 404 — API route may have changed or not yet initialized.
- **Verdict:** ALIVE. Exit -15 is misleading — current instance is healthy.

com.john.lightrag-monitor

- **PID:** - | **Exit:** 2 | **Status:** EXPECTED ALARM
- **Root cause:** Script correctly exits non-zero when LightRAG is degraded. LightRAG IS degraded (drain-worker cannot reach it due to missing CF credentials). Slack alert also failing (alert delivery broken).
- **Produces:** `~/system/evidence/lightrag-health-*.md`, `/tmp/lightrag-task-context.json`
- **Verdict:** Monitor itself is working correctly. The degradation it reports is real and severe.

com.alai.lightrag-keepwarm

- **PID:** - | **Exit:** 0 | **Status:** calendar_ok
- **Plist location:** `~/Library/LaunchAgents/com.alai.lightrag-keepwarm.plist`
- **Schedule:** unknown (plist content not captured in this audit — found late)
- **Produces:** Keepwarm pings to LightRAG
- **Verdict:** Last run exited 0. Likely the keepwarm pings succeed against the local endpoint even while drain-worker cannot auth through CF Access. Not broken.

com.alai.archive-first-scan

- **PID:** - | **Exit:** 0 | **Status:** calendar_ok | **Schedule:** daily 06:00
- **Script:** `~/bin/archive-first-scan.sh` — EXISTS
- **Produces:** `/tmp/archive-first-scan-report-<date>.txt`, writes to `~/system/state/archive-first-ledger.jsonl`
- **Consumes:** Filesystem scan of unarchived candidates
- **Verdict:** HEALTHY. Running as designed.

com.john.session-archiver

- **PID:** - | **Exit:** 0 | **Status:** calendar_ok | **Schedule:** daily 03:00
- **Script:** `~/system/tools/session-archiver.js` — EXISTS (10928 bytes, 2026-02-23)
- **Produces:** Cleaned-up session artifacts
- **Consumes:** Claude session logs/state
- **Verdict:** HEALTHY. Last run clean.

com.alai.cost-daily-report

- **PID:** - | **Exit:** 127 | **Status:** BROKEN | **Schedule:** daily 23:55
- **Root cause:** `~/system/tools/cost-daily-report.sh` deleted. Last successful run 2026-04-29.
- **Produces:** `~/system/reports/cost-daily.md`
- **Consumes:** Cost tracker data
- **Verdict:** BROKEN — daily cost visibility dark for 10 days.

com.alai.weekly-planning

- **PID:** - | **Exit:** 0 | **Status:** calendar_ok | **Schedule:** Tuesday 08:00
- **Script:** `~/system/tools/weekly-planning.sh` — MISSING from disk
- BUT watchdog says last exit was 0 and state is calendar_ok. Contradiction.
- **Likely explanation:** Ran successfully before script was deleted; launchd has not triggered it since (last Tuesday before deletion date). Will fail as exit 127 next Tuesday.
- **Verdict:** TICKING TIME BOMB — will fail next Tuesday 08:00.

no.alai.email-body-integrity

- **PID:** - | **Exit:** 0 | **Status:** calendar_ok | **Schedule:** daily 03:00
- **Script:** `~/system/tools/email-body-integrity-check.js` — EXISTS
- **Produces:** `~/system/logs/email-integrity.log`
- **Verdict:** HEALTHY.

5. Daemon-Fleet-Watchdog State

File: `~/system/state/daemon-fleet-status.json`

Generated: 2026-05-09T18:33:52Z (approx 2h15m before this audit)

Watchdog summary from file:

```
total:          148
running:        47 (keepalive processes alive)
calendar_ok:    74 (last scheduled run exit 0)
down:           3 (down_exit_0: autocoder-ui, draft-sender, orchestrator-http)
err:           20 (non-zero exit codes)
```

Watchdog accuracy notes:

- Watchdog correctly identifies 20 erroring daemons but exit codes are internally translated (256 = bash exit 1; 32512 = bash exit 127).
- Watchdog does NOT cover all 168 launchctl rows — 4 daemons marked `not_loaded` (lightrag-migrate-pump, lightrag-outbox-ingest, lightrag-watchdog, rdap-audit-quarterly).
- `com.alai.mem0-server` shows `last_exit: 15` (SIGTERM of prior instance) but `state: running` — correct, the current instance is healthy.
- `com.john.slack-bot` shows `running/pid 18046` but `last_exit: 256` — launchd records last crash before current keepalive restart. Process is currently alive.

Open Questions

1. **Pi-orchestrator mock mode:** Why is `alai-config-mock.json` being loaded instead of real config? Is the Planka/MC API intentionally offline, or is the config resolver broken? The orchestrator is spinning idle.
2. **LightRAG CF credentials:** Vaultwarden ETIMEDOUT in `rag-drain-worker`. Is `/tmp/bw-session` stale? Is Vaultwarden (vault.basicconsulting.no) reachable? This single broken auth is deadlocking the entire RAG ingest pipeline (946 items queued).

3. **B2 storage cap:** `403 storage_cap_exceeded` on Backblaze B2. Is this a billing cap that needs to be raised in the B2 console? Litestream is still replicating but the nightly snapshot job fails.
 4. **Five deleted scripts:** Who deleted `pi-orch-health.sh`, `cost-daily-report.sh`, `daily-planning.sh`, `legal-docs-azure-sync.sh`, `mcp-health-check.sh`? Were they intentionally removed (deprecated)? If deprecated, the plists should be unloaded. If accidental deletion, restore from backup.
 5. **Duplicate alaiml-retrain plist:** Plist exists in BOTH `system/config/launchagents` AND `Library/LaunchAgents`. Two crons would fire. Which is canonical?
 6. `com.john.orchestrator-http` **duplicate:** Identical to `com.alai.orchestrator-bridge` (same script, same port). `orchestrator-http` shows `down_exit_0` because `bridge` already bound the port. Dead plist.
 7. **LightRAG health-*.md circular feedback:** The `lightrag-monitor` evidence files are being watched by `rag-fsevents-adapter`, which tries to enqueue them into LightRAG — a monitoring artifact feeding back into the broken pipeline it monitors.
 8. **Slack bot silent 300 min:** No incoming Slack messages for 5h at audit time. Is anyone sending messages? Or is the Socket Mode token scope broken for receiving?
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Highest-Leverage Fix Candidates (audit-level only)

Priority 1 — Unlocks entire RAG pipeline (946 items unblocked)

- Fix `rag-drain-worker` CF Access credentials: ensure Vaultwarden item "LightRAG-CF-Access" exists and `/tmp/bw-session` is valid. One credential fix unblocks `bookstack-adapter` + `mc-adapter` + `fsevents-adapter` simultaneously.

Priority 2 — Restore cost visibility (10-day blind spot)

- Restore or recreate `~/system/tools/cost-daily-report.sh`. Last output was 2026-04-29. CEO-visible reporting dark for 10 days.

Priority 3 — Fix orchestrator mock mode

- Determine why `pi-orchestrator` loads mock config. If Planka/MC API is down, restore it. If config resolver is broken, fix `alai-config.js`. The orchestration kernel is running but doing nothing.

Priority 4 — Raise B2 storage cap

- B2 bucket `alai-studio-backup` has hit its cap. Nightly database snapshots are not landing. This is a billing action in the Backblaze console, not a code fix.

Priority 5 — Unload dead plists (5 scripts deleted)

- `com.alai.pi-orch-health`, `com.alai.cost-daily-report`, `com.alai.daily-planning`, `com.john.legal-docs-azure-sync`, `com.john.mcp-health-check` should either have scripts restored or be unloaded from launchd. `legal-docs-azure-sync` and `mcp-health-check` have `KeepAlive.Crashed=true` creating infinite restart loops.

Priority 6 — Unload `com.john.orchestrator-http` duplicate plist

- Dead shadow of `orchestrator-bridge`. Causes confusion in watchdog counts.

Priority 7 — Restore `weekly-planning.sh` before next Tuesday

- Script missing but plist active. Will fail exit 127 at 08:00 next Tuesday.

Priority 8 — Fix `phantom-link-detector.js` missing script

- `com.alai.chain-phantom-detector` runs every 15min calling a script that does not exist. High-frequency failure (96 times/day).

Revision #2

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