

# TLDR Loop — Insight to Implementation Pipeline

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## Overview

The TLDR actionizer daemon closes the learning loop between daily TLDR email insights and ALAI's Mission Control task system. Instead of manually triaging insights or dumping them into an ever-growing backlog, the daemon automatically classifies, gates by relevance, routes to specialist owners, and creates tracked tasks — all without human intervention.

**CEO Directive (2026-05-08):** "Želim da ne sjedi u backlog i da se to krene u implementaciju" — No more backlog dumps. Every insight gets actionable routing or explicit discard.

## Problem Solved

- **Before:** TLDR insights manually reviewed → backlog queue → forgotten
- **After:** Automated classification → relevance gating → specialist routing → tracked M/L tasks
- **Result:** Zero backlog accumulation, specialist-aligned ownership, priority-based scheduling

## Daemon Flow Diagram

```
flowchart LR
  A["TLDR Email  
09:00 daily"] --> B["tldr-briefing.js  
Extracts insights"]
  B --> C["insights JSON log  
~/system/logs/tldr-insights/YYYY-MM-DD.json"]
```

```

C --> D[tldr-actionizer.js
09:30 daily]
D --> E{Ollama
TASK/SUGGEST/SKIP}
E -->|SKIP| F[Discard
No MC task]
E -->|SUGGEST| G2[Slack FYI only
No MC task]
E -->|TASK| G{Ollama
HIGH/MED/LOW relevance}
G -->|LOW| F
G -->|HIGH or MED| H[OWNER_ROUTER
Keyword match]
H --> I[MC Task Created
Priority M/L
TTL 30d]
I --> J[Slack #exec
Summary]

```

# OWNER\_ROUTER Table

The daemon routes insights to specialist company owners based on keyword pattern matching. First match wins (order matters).

Pattern (regex, case-insensitive)	Owner	Example Keywords
<code>security breach cve vulnerab ddos exploit malware ransom cyber</code>	<b>securion</b>	CVE-2024-1234, DDoS attack, ransomware
<code>llm gpt claude llama model rag agent fine-tun embed inference ollama</code>	<b>agentforge</b>	GPT-5.5, RAG pipeline, Ollama fleet
<code>payment stripe psd2 fintech invoice billing bank finance</code>	<b>finverge</b>	Stripe API, PSD2 compliance, invoicing
<code>docker kubernetes k8s deploy ci/cd terraform cloud run aws azure gcp nginx</code>	<b>flowforge</b>	Cloud Run, Kubernetes, CI/CD pipelines
<code>ios android mobile swift flutter react native</code>	<b>skybound</b>	Flutter 3.22, iOS performance, React Native
<i>(No match)</i>	<b>codecraft</b> (default)	Generic SaaS, backend, frontend

**Safety Invariant:** `owner='backlog'` is forbidden. The daemon will throw an error if any route resolves to 'backlog'. All tasks must go to a specialist owner or the default (codecraft).

# Owner Assignment Rules

The daemon uses a two-stage Ollama LLM gate to determine owner and priority:

### 1. Classification Gate (TASK / SUGGEST / SKIP)

- **SKIP:** Generic advice not specific to ALAI's stack/products/market → Discard, no MC task
- **SUGGEST:** Potentially valuable but needs CEO review before implementing → Slack summary only, **no MC task created**
- **TASK:** Concrete, actionable, implementable within 1 week, clearly fits roadmap → MC task created

### 2. Relevance Gate (HIGH / MED / LOW)

- **HIGH:** Directly actionable for ALAI products, stack, or market focus (e.g., specific Ollama optimization, security patch for Node.js/Kotlin, feature for Bilko/Drop/Tok/Lobby)
- **MED:** Broadly relevant to ALAI's industry or tech direction, warrants CEO awareness
- **LOW:** Generic industry news with no clear ALAI connection → Discard, no MC task

## Owner & Priority Decision Matrix

Relevance	Classification	Owner	Priority	MC Task?
HIGH	TASK	OWNER_ROUTER result	M	<input type="checkbox"/> Yes (30d TTL)
HIGH	SUGGEST	(N/A)	(N/A)	<input type="checkbox"/> No (Slack FYI only)
MED	TASK	OWNER_ROUTER result	L	<input type="checkbox"/> Yes (30d TTL)
MED	SUGGEST	(N/A)	(N/A)	<input type="checkbox"/> No (Slack FYI only)
LOW	Any	(Discarded)	(No task)	<input type="checkbox"/> No

**Key Rule:** NEVER assign `owner='backlog'`. All tasks route to a specialist or CEO triage bucket.

## Noise Prevention (2026-06-04)

**MC #102890 | Problem:** The daemon originally created an MC task for BOTH classification classes — `TASK→"[TLDR] Implement"` and `SUGGEST→"[TLDR] Review"`. The `SUGGEST/Review` tasks accumulated unbounded. 63 noise tasks spanning 2026-04-23 through 2026-06-03 were triage-closed on 2026-06-03/04 (one-time manual cleanup).

## The Fix: At-Source Prevention

**SUGGEST class no longer creates MC tasks** (since 2026-06-04). `SUGGEST` insights now appear only in the Slack summary as "*Suggestions (FYI, no MC task)*". Only `TASK` class creates an MC task, with a `--ttl-minutes 43200` (30 days) backstop.

**There is NO automatic age-based decay / bulk-close of existing tasks.** The initial fix (2026-06-04) included a 14-day auto-decay mechanism that would bulk-close old [TLDR] tasks at daemon startup. CEO judged this too risky — it could silently close genuine "[TLDR] Implement" tasks that simply hadn't been picked up yet. **The auto-decay logic was REMOVED** per CEO decision.

Existing backlog is cleaned by manual/operator triage only, never silently. The 63 tasks closed on 2026-06-03/04 were a one-time manual cleanup, not an automated job.

## The Casing Bug + Fix

**Bug (historical):** During initial implementation, the decay query used `status='OPEN'` (uppercase) but mission-control.db stores status lowercase (`'open'`). SQLite is case-sensitive for string comparisons, so the query matched 0 rows (silent no-op).

**Fix:** Normalized to `status='open'` (lowercase) and `created_at` threshold to `'YYYY-MM-DD HH:MM:SS'` space-format. This verified the daemon's query mechanics were correct before the auto-decay feature was ultimately removed.

## Operational Notes

- **Schedule:** Runs daily at 09:30 Oslo time via `com.john.tldr-actionizer` LaunchAgent
- **TTL backstop:** 30 days (43,200 minutes) — ONLY mechanism for automatic task closure
- **Logs:** `~/system/logs/tldr-actionizer.log`

## Operator Runbook

### How to Add New Domain Pattern

1. Edit `~/system/daemons/tldr-actionizer.js` and update the `OWNER_ROUTER` constant (lines 66-87).
2. Add corresponding unit test in `~/system/daemons/tests/tldr-actionizer-router.test.js` (mirror the pattern + test case).
3. Run test: `node ~/system/daemons/tests/tldr-actionizer-router.test.js` — verify all tests pass.
4. Restart daemon: `launchctl stop com.john.tldr-actionizer && launchctl start com.john.tldr-actionizer`

**Example:** To route design insights to vizu:

```
{
  pattern: /figma|sketch|design system|ui|ux|prototyp|wireframe/i,
```

```
owner: 'vizu'  
}
```

## How to Override Routing for Specific Insight

If the daemon incorrectly routes an insight, manually reassign the MC task:

```
node ~/system/tools/mc.js assign <task_id> <new_owner>
```

## How to Inspect Dry-Run Output

Test routing logic without creating real MC tasks:

```
node ~/system/daemons/tldr-actionizer.js --dry-run --date 2026-05-07
```

Output written to `/tmp/tldr-router-dryrun-99824.json` with classification, relevance, and assigned owner for each insight.

## How to Verify Daemon Health

```
tail -50 ~/system/logs/tldr-actionizer.log | jq
```

Check for:

- `"level": "info"` — normal operation
- `"level": "warn"` — classification unclear or Ollama timeout (daemon defaults to safe fallback)
- `"level": "error"` — MC task creation failed

**LaunchAgent:** `com.john.tldr-actionizer` (runs daily at 09:30 Oslo time)

```
launchctl list | grep tldr-actionizer      # Check status  
launchctl stop com.john.tldr-actionizer    # Manual stop  
launchctl start com.john.tldr-actionizer   # Manual start
```

## Backlog Sweep History

On 2026-05-08, MC #99823 performed a one-time sweep of existing backlog tasks to re-route or close them per the new routing rules. Results:

MC ID	Priority	Old Owner	New Owner/Status	Relevance	Reasoning
9475	M	backlog	agentforge	HIGH	PII redaction → Bilko/Drop/Lobby data pipelines
10081	L	backlog	closed	LOW	HAL breach is news-only, no ALAI tie
99371	L	backlog	closed	LOW	Video gen — ALAI doesn't do video
99372	L	backlog	closed	LOW	Codex cosmetic update — no action
99373	L	backlog	closed	LOW	UK challenger bank — wrong market (we're Nordic/Balkan)
99374	M	backlog	securion	MED	DDoS hardening — Securion service-line
99375	M	backlog	securion	MED	Trellix breach awareness — Securion supply-chain
99565	M	backlog	agentforge	HIGH	GPT-5.5 token cost — directly relevant to Pillar #9 cost ceiling
99566	L	backlog	closed	LOW	Voice infra — ALAI doesn't do voice
99567	M	backlog	securion	HIGH	Deepsec — ALAI Sec service-line aligned (memo 2026-05-01)
99568	L	backlog	closed	LOW	Meta-AI-research news — no concrete action

**Summary:** 11 tasks processed, 5 re-routed to specialist owners (agentforge, securion), 6 closed as low-relevance.

## Known Gaps

# 1. ANVIL Ollama No Models Loaded

**Impact:** Daemon currently safe-fails ALL insights to `aLem/MED+SUGGEST` because ANVIL Ollama (localhost:11434) has 0 models loaded. Classification and relevance gates return unclear responses, triggering default fallback.

## Fix Options:

- **Option A:** Load `llama3.1:8b` model on ANVIL Ollama:

```
ollama pull llama3.1:8b
```

- **Option B:** Repoint daemon to FORGE Ollama (10.0.0.2:11434) which already has `qwen3:8b-q8_0` loaded:

```
# Edit ~/system/daemons/tldr-actionizer.js line 48:  
const OLLAMA_URL = process.env.OLLAMA_HOST || 'http://10.0.0.2:11434';
```

**Status:** Open (no fix deployed yet). Daemon runs daily but all insights currently default to CEO triage bucket.

# 2. OWNER\_ROUTER Constant Drift Risk

**Issue:** The `OWNER_ROUTER` constant is defined in both:

- `~/system/daemons/tldr-actionizer.js` (lines 66-87)
- `~/system/daemons/tests/tldr-actionizer-router.test.js` (lines 20-42)

If the daemon constant is updated without syncing the test file, unit tests become stale and may pass incorrectly.

**Recommendation:** Extract `OWNER_ROUTER` into a shared module:

```
// ~/system/daemons/lib/owner-router.js  
module.exports = [ /* patterns */ ];  
  
// In both files:  
const OWNER_ROUTER = require('./lib/owner-router');
```

**Status:** Open (technical debt, does not block current operation).

# Genesis MC IDs

- **Parent:** MC #99822 (TLDR routing reform H-priority)
- **Sweep:** MC #99823 (backlog sweep, done)
- **Patch:** MC #99824 (CodeCraft OWNER\_ROUTER implementation, done, commit `9acd41f10`)
- **Validation:** MC #99825 (Proveo 6/6 PASS, done)
- **Documentation:** MC #99826 (this page, Skillforge)
- **Decay Fix:** MC #102890 (3-part pile-up fix + casing bug, 2026-06-04, live validated; auto-decay removed per CEO decision same day)

**Delivery Date:** 2026-05-08 (initial), 2026-06-04 (noise prevention fix)

**CEO Directive:** "Želim da ne sjedi u backlog i da se to krene u implementaciju" — Implemented same-day.

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Revision #5

Created 2026-05-07 23:21:43 UTC by John

Updated 2026-06-04 05:46:15 UTC by John