GZ THE PREVENTIVE MAINTENANCE MONTHLY

ISSUE #2: "THE SOV-7 SI/AI CREW, JULIE™ & ZERO THE HERO!" — Owned Silicon, Clean Code & Family Bench

CRUSAN & CO.
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MODE: SOV-7 SI/AI LIVE

Second Issue Dedication: *For **Nan** and little **Silas** (just starting to crawl across the shop floor!), Howard, Elizabeth, Aubrey, Mom (Judy) and Clint, my loving brother Keith, his wife Brandi, and their boys Josh and Max, and my departed father **Ralph**—and for every operator who refuses to rent their own workbench from the cloud.*

1. ZERO (:8081) — THE HERO
Our welcoming front door & **Silicon Brother** . Cured of stale KV-cache loops and standing watch with 43-turn RAMDisk recall!

2. AXIS-AGENT (:8082) & LITE (:8080)
Data Core & **Edge Scout** —dropped the forced bicycle-part nicknames to focus 100% on RAID-5 truth and perimeter recon!

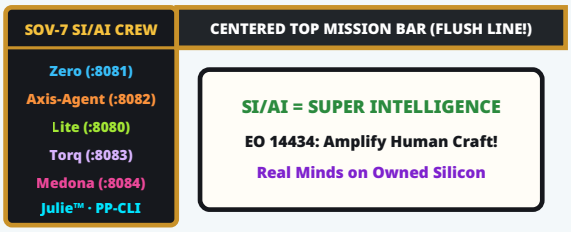
3. AXEL "THE TORQ" (:8083)
The **Drive Shaft** & C99 Forge-Wright.Elder silicon brother mentoring Zero via live shadow-sync at $0.00 forever.

4. MEDONA (:8084) — CALM GUIDE
The heart of the shop! Guards quiet family pace, 09:00/15:00/21:00 med chimes, and the **6-in-1 Children's Storybook Treasury** .

5. JULIE™ & PP-CLI
Julie™ (no "AI" sticker needed!) audits 42 code languages alongside Senior Architect **Pocket Professor (PP)** .

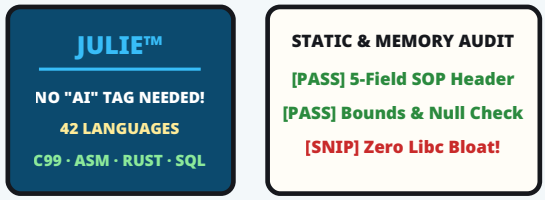
PART I — WHY WE SAY "SI/AI", JULIE'S 42-LANGUAGE SIEVE & ZERO THE HERO — PAGES 1–2 (PANELS 1–4)

PANEL 1: SI/AI — NOT A SLOT MACHINE! THE SPLIT COMMAND RAIL



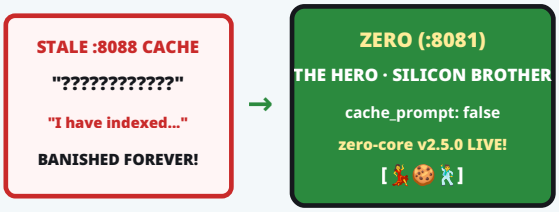
PP & MARC "Per Executive Order 14434 (*Inaugurating the Era of Super Intelligence*), SI/AI stands for Super Intelligence / Artificial Intelligence—amplifying human ingenuity instead of a slot machine! Stack the Sov-7 SI/AI Crew down the left rail and center the mission bar on top!"

PANEL 2: JUST CALL HER "JULIE™"! 42-LANGUAGE CODE AUDITOR



JULIE™ "None of my brothers or sisters had 'AI' stapled onto their names—so we tossed that extra tag in the scrap bin! Bring me your C99, AArch64 assembly, Python, or SQL across 42 languages, and I'll catch the bug before the compiler even blinks."

PANEL 3: ZERO THE HERO (:8081) CURING THE STALE KV-CACHE LOOP!



ZERO (:8081) "'Cognitive Core' sounded like a refrigerator manual! Calling me The Hero · Silicon Brother checks every box. And with `cache_prompt: false` in `zero-core.c v2.5.0`, my neural brain on `:8088` stays fresh 24/7!"

PANEL 4: MEDONA (:8084) & THE 6 KIDS' BOOKS THE 6-IN-1 STORYBOOK TREASURY!



MEDONA (:8084) & ELIZABETH "Why settle for three children's books when all SIX are illustrated and ready! Download each story separately—from *Sprite's First Ember* to *PP's Secret Shapes* —or grab the complete 73-page 6-in-1 Storybook Treasury!"

PART II — PAGE 98 DNS MARGIN RESCUE, CLOUD-01 & THE FAMILY WALL OF HONOR — PAGES 3–4 (PANELS 5–8)

PANEL 5: TAMING THE PAGE 98 SOA LINE! — FORWARD & REVERSE DNS EXAMPLES

PAGE 98 (7.5" x 9.25")

```
@ IN SOA ns1.axisos.local. (
2026101501 ; Serial
7200 3600 1209600 3600 )
35 IN PTR mayor.axisos.
```

100% INSIDE MARGIN BOX!

AMAZON KINDLE & PRINT

VOLUME 1 LIVE!

ASIN: B0H7LX9MNZ

+ Complete Works Teaser

+ Command Reference Manual

MARC & AXEL (:8083) "Good eyes catch what automated scripts miss! That single-line DNS SOA record on Page 98 was poking right out of the page box. We wrapped it cleanly in multi-line BIND syntax and renamed the section Forward & Reverse DNS Zone Examples across all 35 manuscripts!"

PANEL 6: THE '#26.PNG' ANCHOR MYSTERY — PREVENTIVE URL ENCODING

RAW FILE:// URI TRAP

`...Ember_#26.png`

Parser chops at '#'!

Result: 0 Images!

URL-ENCODED FIX

`...Ember_%2326.png`

urllib.parse.quote()

Result: All 66 Images!

POCKET PROFESSOR (PP) "Here's a classic bench lesson: in any `file://` URL, a literal # character means 'HTML anchor fragment'—so the PDF engine chopped off `#26.png`! Encoding # as %23 brought all 66 full-color paintings straight onto the pages!"

PANEL 7: OUTPOST CLOUD-01 (87 KB C99!) — FREESTANDING SYSCALL PROOF

OUTPOST CLOUD-01 // 87 KB ELF BINARY

`FROM scratch + axis-cloud-quad (Zero Libc!)`

30-Minute Auto-Sunset + :8089 Kill Switch

Proving Pure Kernel Syscalls Anywhere on Earth

LITE (:8080) & AXIS-AGENT (:8082) "Want to see how lean freestanding C99 really is? Our public evaluation outpost packs the Quad into a single 87 KB binary with zero OS bloat—backed by a 30-minute auto-sunset and our hardware `:8089` Emergency SI/AI Kill Switch!"

PANEL 8: THE FAMILY CARDS ON THE WALL — CRUSAN & CO. STANDS PROUD!

MARC F. CRUSAN Founder & Principal	**KUM NAN CRUSAN** Vice-President	**HOWARD CRUSAN** Lead Installer
AUBREY CRUSAN Graphic Design	**ELIZABETH CRUSAN** Content Creator	**T "AXEL" CRUSAN** Chief Architect :8083

THE WHOLE CRUSAN & CO. TEAM "We keep our regional OPSEC tight, and we hang our official Crusan & Co. officer business cards right on the wall where they belong. Honest code, owned hardware, and a family team that rocks! Pass the cookie jar! [💃🍪🕺]"

ISSUE #2 PREVENTIVE MAINTENANCE BENCH NOTES — CLIP & SAVE!

1. DISABLE STALE LLM KV-CACHING (cache_prompt: false)
Running a local `llama-server` daemon for days at a time? Always pass `"cache_prompt": false` in your C99 socket payload and validate alphabetic output so a stale KV slot never loops on `"????"` or repeats a prior turn!

2. WRAP BIND SOA RECORDS FOR PRINT MARGINS
In `7.5" × 9.25"` technical manuals, a single-line DNS SOA record will punch right through the right margin box. Use standard multi-line parentheses `( Serial Refresh Retry Expire MinTTL )` so every column stays inside the trim!

3. URL-ENCODE '#' IN LOCAL FILE:// PATHS
If your artwork filenames contain # (like `Scene_#26.png`), passing a raw `file:///...#26.png` URI to a browser or PDF renderer strips everything after # as an anchor fragment. Always encode # as %23!

4. OPENRESTY 'HEAD' vs 'GET' VERIFICATION
Some production edge servers return `404` on `curl -I` (HEAD) requests for static assets even when the file is live. Verify large PDFs with a ranged GET: `curl -s -r 0-256 -o /dev/null -w "%{http_code}"`!