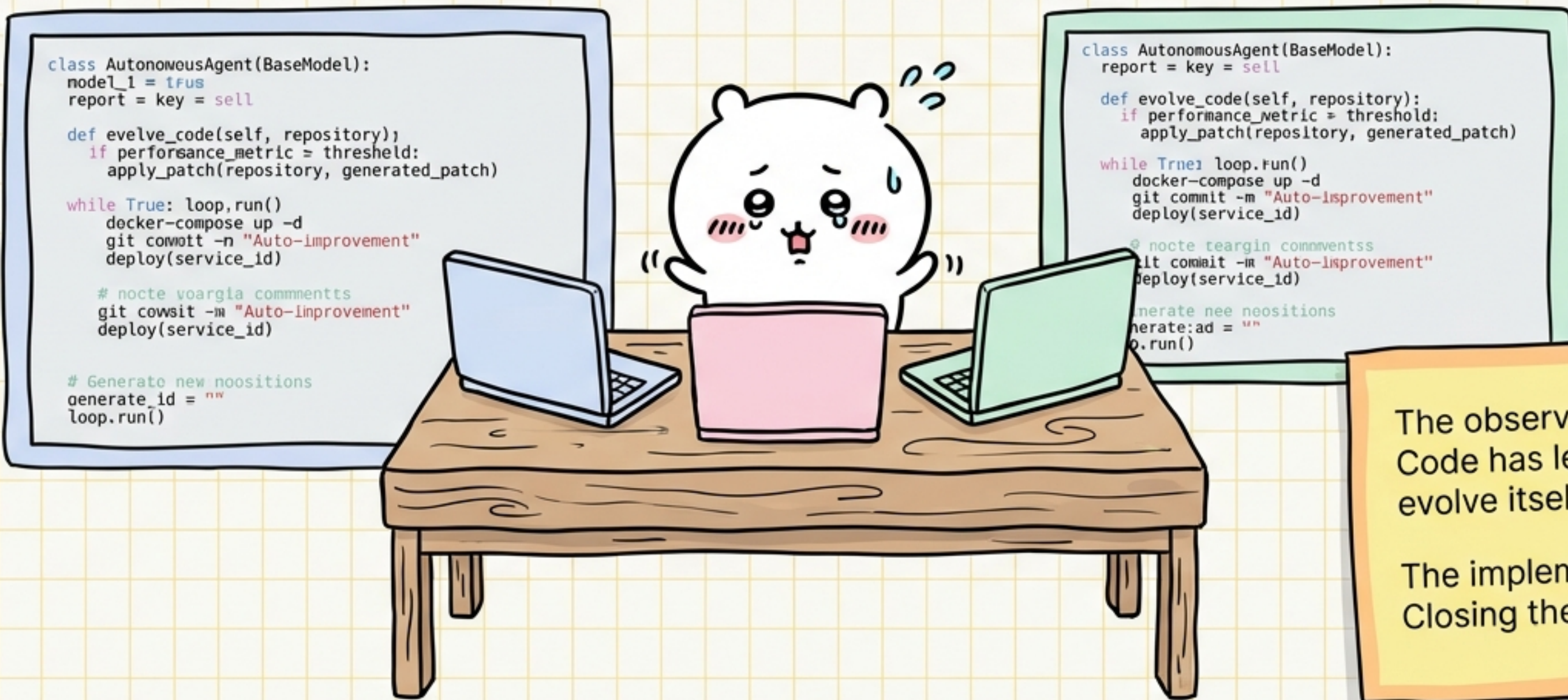


From Vision to Forge

Why I'm Building an Autonomous Dev Team

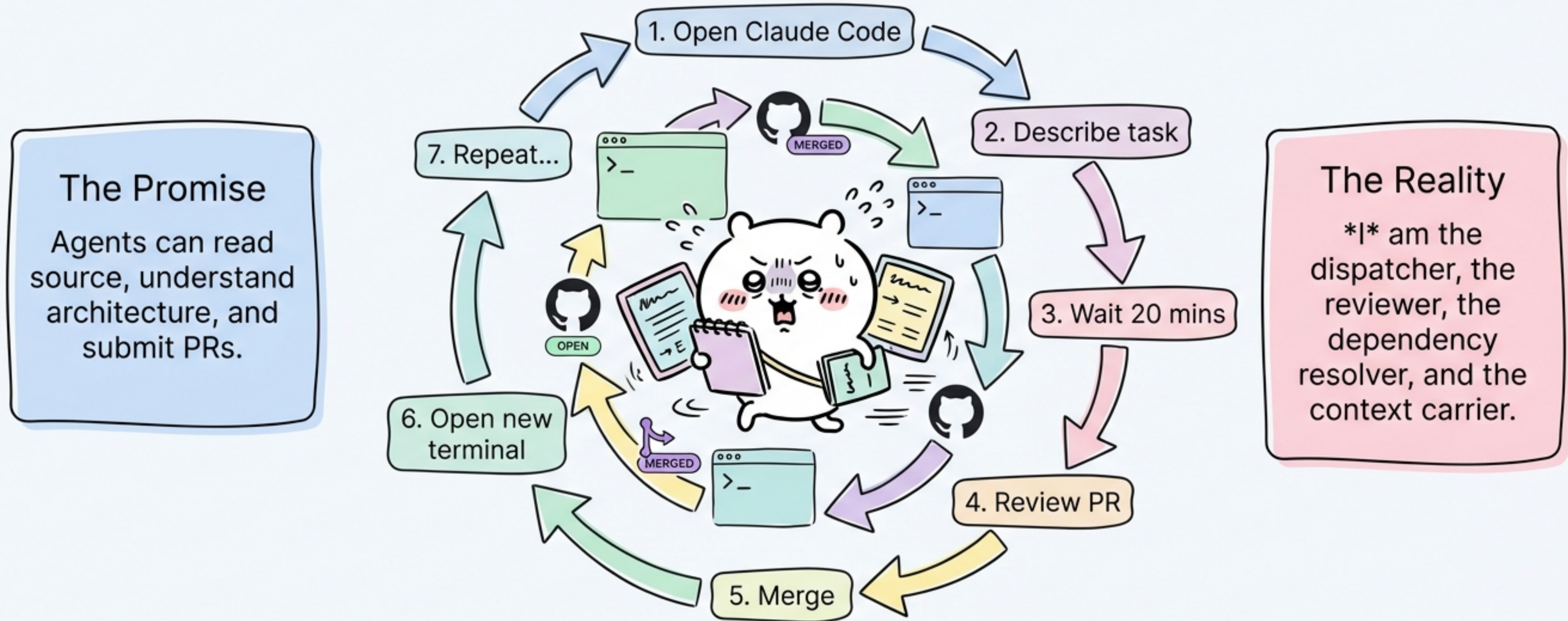


The observation:
Code has learned to
evolve itself.

The implementation:
Closing the loop.

I am the orchestrator.

The illusion of an autonomous workflow



The model is brilliant. But nobody has built the foreman.

The Blueprint: Privilege Separation

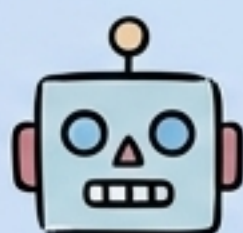
A Temporal backbone supporting three isolated workers.



Tier 1: Orchestration Worker

Role: Lightweight, runs workflow logic.

Security: Holds NO secrets. Minimal attack surface.



Tier 2: Agent Worker

Role: CPU-heavy, runs `claude -p` and `codex --quiet` subprocesses.

Security: Holds ONLY AI API keys. Never touches Git tokens.



Tier 3: Integration Worker

Role: I/O-bound, calls Linear, GitHub, and Feishu APIs.

Security: Holds ALL integration secrets safely.

Claude Code Sessions: The Base Layer

Child workflows handle one task at a time, iterating until it's right.



Isolated Execution

Each child runs in an isolated git worktree. If an agent gets prompt-injected via a malicious PR comment, it cannot exfiltrate secrets—it literally doesn't have them.

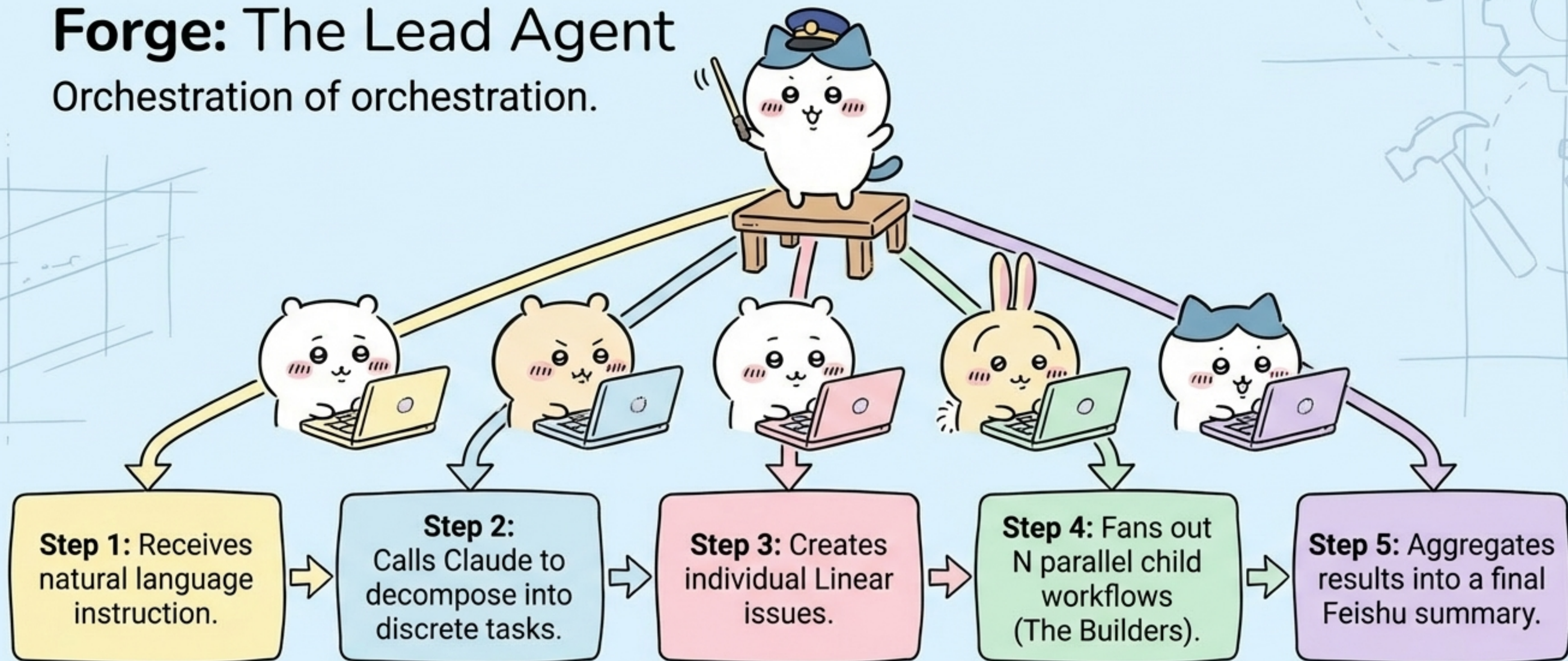


Iterative Loop



Forge: The Lead Agent

Orchestration of orchestration.



Why this matters: Orchestration matters more than generation. This parent layer is the “foreman” managing the job site, ensuring task dependencies are respected without human intervention.

Symphony: The Brain

Durable execution for long-running, stateful processes.



Three Pillar Matrix

1. Durable State

Agent tasks take 30+ minutes. Traditional serverless times out; cron jobs lose state. This system **replays from the last checkpoint**, surviving any crash.

2. Zero-Compute Waiting

A **workflow.condition()** pauses the workflow. It waits for external **webhooks** (e.g., a GitHub review) using **zero resources**, without fragile polling loops.

3. Seamless Integrations

Stateful conversations spanning hours across GitHub, Linear, and Feishu. The agent reads PR feedback, understands it, and pushes revisions automatically.

The Loop Closes

Instruction in, merged code out.



1. Send Message

"Implement JWT auth, add rate limiting, write tests."

2. Make Coffee

Human steps away entirely.

3. Return

- Three Linear issues exist.
- Auto-reviewed PRs are merged.
- Failed PRs are automatically re-submitted with feedback addressed.
- Feishu summary card awaits review.

The human does nothing in between.