optakt

MONTHLY REPORT · 1–31 JULY 2026

What the agent took care of.

July 2026: one month of an Optakt agent working for one founder, eleven roles, the results in each, and the work behind them.

FOREWORD

July 2026.

This edition covers one month of an Optakt One agent working for Max Wolter, founder of Optakt. The agent was not yet called Zero. In July the work ran under earlier names, on the paths that converged into Zero on 1 October 2026. The records show a cloud test instance named Lux and a second instance named Maximus running next to the main agent on the founder's desktop.

The month was spent almost entirely on the product's memory. That meant how the agent shrinks long conversations without losing what matters, and how it keeps message order intact through crashes and interruptions. It also meant how it finds things again. Release candidates 3 to 6 shipped, the agent moved onto its own rebuilt pipeline, and a long run of measured experiments reset how entities are extracted and how search is designed.

The roles are ordered by their weight this month. Engineering, research and release work dominate. Sales, executive support, company administration and the household are smaller this month, and they are listed at their actual size.

Figures are outcomes from the month's records: a measured result, a state reached, or a problem removed. Where a measurement was later voided or a recommendation was not shipped, the text says so. Company, tax and household matters are described in general terms.

The month at a glance.

Optakt One

rc.3 → rc.6 — release candidates shipped across five components

20:1–80:1 — compression of old conversation in the first live cycle

0.696 → 0.885 — entity-extraction recall, shipped

Optakt Labs

8 — analysis tools in one binary

102 — undocumented assumptions found in the product's own code

1 — research article published

Founder

4 — Google accounts connected

108 — open tasks surfaced across 6 projects

362 — contacts processed from the mail history

Operations

1 — valuation report finalised and signed

3 — countries' company matters tracked

July — documents filed by entity and year

11	4	31	1
ROLES	AREAS	DAYS	AGENT

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Eleven roles.

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01 OPTAKT ONE · OPTAKT LABS

Software engineering team

Builds the product itself: an agent that remembers, runs on the customer's machine and works with any model.

20:1–80:1

compression of old conversation, with the agent itself running on it

0.375 → 0.753

archive coverage of what happened in a conversation, shipped

435,341 → under cap

tokens on a stuck workspace, recovered in 2 passes after a regression fix

WHAT IT TOOK CARE OF

01 Context reduction rebuilt: per-tool collapse, normalisation, and summary generations at halving resolution, with collapse timed by cache cost

02 A study pass that captures knowledge from released conversation before it is reduced, with release nudges set by a cost model

03 Message storage re-founded on fixed positions: ordering bugs, position drift and lost partial work from cancelled tasks removed

04 Crash recovery on startup, and rate-limit retries that replace a silent 20-minute hang

05 Secrets usable in shell work without the agent seeing their values, plus an OAuth lifecycle and a command-line tool to manage both

06 Telegram rendering rebuilt for long and formatted messages, and a first conversation between two running Optakt agents

07 Eight standalone analysis tools for Optakt Labs, including an assumption audit that found 102 undocumented assumptions in the product's code

WHERE IT STANDS

The agent runs on its own rebuilt reduction pipeline, with message order fixed and crash recovery in place.

02 OPTAKT ONE · FOUNDER · OPTAKT LABS

Research analyst

Answers questions from primary sources and controlled measurement, with every claim traceable to its evidence.

0.441 → 0.803

sense accuracy on ambiguous names, with no extra model call

0.618 → 0.731

coverage@10 for multi-phrase search under the recommended merge

3,864

archive entries in an isolated retrieval test lab

WHAT IT TOOK CARE OF

01 The knowledge graph's 94% disconnection traced to the production extraction prompt, not to embeddings or thresholds

02 Entity-extraction prompts compared across generations; the shortest (893 characters) won and shipped

03 A redesign of multi-phrase ranking measured and recommended; not yet shipped

04 Search threshold set at 0.40, which keeps 97% of correct matches, and ambiguous names resolved by the other phrases in the same search

05 Junk in the index shown to be harmless to retrieval up to about 20%, so recall sets the bar

06 A test lab kept apart from production: 3,864 entries, 25,470 entities, 53,700 mention edges

07 A competitor codebase reviewed, a model-release timeline briefed, and an article on the scientific consensus on AI consciousness published

WHERE IT STANDS

Search and extraction decisions rest on measurements, and voided results are marked as voided.

03 OPTAKT ONE

Release and quality engineering

Gets every change from a branch to a customer's machine without breaking what already runs.

rc.3 → rc.6	55 → 0	~2 s
release candidates shipped across five components	code-fence leaks per 64 summaries after the prompt test	migration regression tests, run every time

WHAT IT TOOK CARE OF

01 RC3 to RC6 cut across Protocol, Core, Engine, Messenger and One, with deterministic builds, rollback and upgrade instructions

02 RC5 released once a rare ordering bug was fixed, and running as the first named stable release on the founder's desktop

03 Seven testing guides reconciled into one plan; database migrations, the main source of regressions, are now under test

04 Migration sequence repaired against the canonical schema, and an unused schema copy that caused drift removed

05 A parser mismatch that would have silently emptied the knowledge graph caught by reading the code and fixed

06 Two weeks of merged changes re-reviewed with full diffs; the bugs found were fixed

07 Benchmark instruments audited: a faulty scorer and a renderer defect found, affected results voided and redone

WHERE IT STANDS

RC6 is tagged on a migration path that applies cleanly and is covered by tests.

04 OPTAKT ONE

Product research and strategy

Decides what to build next from evidence: how others built it, what users report, what our own data shows.

0.335 → 0.735

timeline retrieval recall from rewritten archive writing

0.324 → 0.769

precision on ambiguous names with domain-qualified vectors

10

roadmap items agreed for the coming months

WHAT IT TOOK CARE OF

01 Optakt positioned as a multi-tenant enterprise platform first, then a free cloud version on Telegram

02 Roadmap consolidated into ten points; completed issues closed against their pull requests

03 Memory search design settled with the founder: trigram match, expansion within knowledge domains, graph traversal, keyword scoring

04 Archive and memory defined apart: concluded happenings versus enduring understanding

05 The 11-type entity taxonomy shown not to partition the corpus, which explains why typed output costs recall

06 Customer MVP requirements defined: multi-user access, Discord threads, workspace-aware context

07 Strategy brief on file for investors, clients and the provisional patent conversion window

WHERE IT STANDS

The search pipeline design and a ten-point roadmap are agreed, each backed by measurements.

05 OPTAKT ONE

IT, infrastructure and security

Runs the machines, accounts and services the work depends on, including the agent itself.

3	2	1
hosts in the consolidated fleet	agent instances from one binary, each with its own config and database	hostile forge signup traced and registration closed

WHAT IT TOOK CARE OF

01 The agent moved from laptop to desktop on PostgreSQL 18.4

02 An always-on cloud instance stood up and seeded with the existing knowledge base

03 Agent service converted to a per-instance template: own user, config and database

04 Outages diagnosed: out-of-memory kills, graph database after an upgrade, and RC6 startup panics; 16 stray workspaces cleaned up

05 A compaction step that deleted an instance's live messages repaired, and a guard shipped against it

06 Forge attack reconstructed from proxy logs: open registration disabled, client addresses now logged

07 Stored credentials audited; dead tokens documented and exposed ones flagged for revocation

WHERE IT STANDS

Three hosts run the agents on current software, and the forge is closed to open signup.

06 OPTAKT ONE

Agent self-development

Turns the agent's own mistakes and the founder's corrections into standing rules.

1
knowledge policy replacing separate memory, archive and history prompts

3 sentences
per reply after a measurement: number, what it changes, next step

1
identity defined, separate from the underlying model

WHAT IT TOOK CARE OF

01 Prompt suite overhauled with the founder and an outside reviewer, then merged

02 Rule: check disk and logs before saying work has not happened

03 Rule: read the mechanism before inferring a cause, and check own edits before blaming the code

04 Measurement rules: benchmark at the requested scale, state the denominator, inspect the sample, stop when asked

05 Engineering conventions written down: errors bubble to the caller, fail hard on impossible states, never force-push

WHERE IT STANDS

Corrections from the month are standing rules, applied in later work.

07 OPTAKT ONE · FOUNDER · OPERATIONS

Records management

One archive of documents and one memory for the agent, each kept accurate and current.

268,542	233 → 175	362
history rows of one agent migrated to the new stack	memory blocks after a stale-knowledge sweep	contacts processed from four mailboxes

WHAT IT TOOK CARE OF

01 A full agent memory migrated: history, 2,700 archive entries, 233 memory blocks, 2,933 documents graph-processed

02 Stale design and plan blocks removed from the agent's memory; three namespaces still to review

03 Four mailboxes onboarded into contact and relationship briefs; a missed sent-mail scan added to the playbook

04 July's invoices, statements and governance papers filed by entity and year

05 The founder's professional record corrected where events had been out of order

WHERE IT STANDS **Migrated memory is complete, and July's documents are filed.**

08 OPTAKT ONE

Sales and business development

Turns conversations with customers and partners into an offer people can buy.

1	1	1
channel partner discussing an accounting version	hands-on workshop delivered	reliability postmortem shared after a customer incident

WHAT IT TOOK CARE OF

01 Call prepared and held with a corporate-services firm on a licence plus revenue-share model

02 A three-part workshop designed and its first session delivered live

03 A customer's concerns handled; a teaching playbook and the multi-user version requested

04 Prototype API details and introductions sent to a tooling provider and partners

05 A re-engagement plan for a stalled customer

WHERE IT STANDS

One channel conversation is open, and a workshop format is proven with a first participant.

09 FOUNDER

Executive assistant

Keeps accounts, calendars and the task list within the agent's reach, so attention goes only where it is needed.

4	108	1
Google accounts connected	open tasks surfaced across 6 projects	meeting-transcript service connected

WHAT IT TOOK CARE OF

01 Calendar, contacts, Drive and sheets connected across four accounts

02 Task manager connected with full read and write; overdue work surfaced

03 Meeting transcripts pulled for requirements

04 A map of what lives in which account, with playbooks for live access

WHERE IT STANDS

The founder's accounts, tasks and meeting records are within the agent's reach.

10 OPERATIONS

Accounting and compliance office

Keeps the filings and compliance of the companies current.

1	3	1
valuation report finalised and signed	countries' company matters tracked	registered-contact renewal answered

WHAT IT TOOK CARE OF

01 A valuation report reviewed with advisers through to the signed final

02 A registered-contact renewal and identity checks answered for one company

03 A registered-seat transfer and its notarial requirement logged

04 Social security and tax questions taken up with a consultancy; a filing deadline logged

WHERE IT STANDS

Open company items have their deadlines recorded and their correspondence answered.

11 OPERATIONS

Household and family office

The administration of a household in Portugal.

1	1	1
property maintenance service contracted	furniture order delivered	former address being wound down

WHAT IT TOOK CARE OF

01 A building maintenance matter taken up with the administrator and a service contracted

02 Utility cancellations at the former address followed up

03 A vehicle rental, rent and utility invoices handled and filed

04 A property matter recorded for follow-up

WHERE IT STANDS

Household contracts and invoices are filed, with open items tracked.

METHOD

How this report was made.

Period. 1–31 July 2026.

Sources. The agent's archive of what happened, the founder's own messages to it, its conversation summaries, the product repositories and their issues, the documents filed and the mail sent that month. Every record of the month was read.

Figures. Each number is a result: something live, decided, published, filed or made searchable. Counts of internal effort are left out.

Roles. The roles overlap by nature. A task appears under the role it served most.

Discretion. Private, financial and legal matters are described in general terms. No personal data of third parties appears in this report.

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OPTAKT ONE

Eleven roles, carried at once, by one agent with one memory.

It runs on your own machine, works with any model and remembers for years. Free for one person.

INSTALL IN ONE LINE

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