THE AI TOOLCHAIN

NO. 048

Tail

THE DAILY RELEASE FIREHOSE

PUBLISHED OCTOBER 6, 2026 · EVERY DAY

The daily firehose — everything the toolchain shipped today, already filtered.

▸ // HOW THIS ISSUE IS MADE SHOW

VIEW

ISSUE VIEW

scroll



SCROLL | EXPAND IN PLACE | PREVIEW PANE

INFORMATION DENSITY

everything



BRIEFED | EVERYTHING

Every tool in the issue, in full.

all 68 changes

Do you prefer **scroll**? 👍 👎

▸ // CONTENTS SHOW 17 tools

▾ // THE BRIEF HIDE

What stands out across today's releases, grouped by what it lets you do. Every tool named links to its entry below.

Three unrelated things stand out. RAG-Anything stops concurrent document inserts from silently dropping text — failures now raise ad of returning clean — and tags chunks with page numbers.

vim ? help

Turbovec ships a compressed ANN index with drop-in LangChain and LlamaIndex adapters. Together Link points an existing Claude Code or Codex install at open models with one command.

BUILD

Trust that every page of an ingested document actually made it into the index

A concurrent insert that failed used to return normally, so text vanished from the corpus with no error and no way to notice short of a retrieval miss; it now raises. Page-level provenance on chunks also means a bad answer can be traced back to the page it came from instead of a blob of text.

rag-anything

BUILD

Swap in a compressed vector index without rewriting your retrieval layer

Turbovec's TurboQuantIndex plus adapters for LangChain, LlamaIndex, Haystack and Agno means the compression decision stops being an application rewrite. txtai v9.14.0 adds ONNX and RaBitQ backends with tunable IVF/HNSW search modes, so recall-versus-memory becomes a config knob you can sweep rather than a backend migration.

turbovec · txtai

DEPLOY

Redirect the coding agent you already use to cheaper models and see what it saved

Together Link is a one-command installer that repoints Claude Code or Codex at Together's open models, with a per-session cost comparison against Opus 5.5. The usual blocker to trying open weights in a coding loop is reconfiguring the agent; this removes that step and gives you the number to justify the switch.

Together AI

BUILD

Train MoE and low-precision models on Blackwell without hand-rolling the distributed plumbing

TorchTitan adds MXFP8/NVFP4 and distributed MoE training, SFT, and TorchFT fault tolerance, so a long run that loses a node can continue instead of restarting from the last checkpoint. Tinker's async SDK covers

> sampling, LoRA SFT and RL, and checkpoints against a 29-model catalogue with machine-readable pricing you can read programmatically rather than scraping a page.
>
> TorchTitan · Tinker

BUILD

◆ AI Coding Agents

Replit Agent

Feedback ⓘ changelog · Oct 6, 2026 CHANGELOG ↗

Replit Agent is an AI coding agent that builds, tests, and deploys applications in Replit.

Settings redesigned as a full page with sidebar; Workspace-level admin settings now support company-wide rules with per-team exceptions.

Redesigns Settings to open as a full page with a sidebar instead of a modal, giving Integrations and Security their own dedicated pages.

Adds Workspace-level (company-wide) settings with per-team exceptions and delegated control for Workspace admins via advanced settings.

NEW INTEGRATION Jev via OpenRouter in Replit AI Integrations

NEW INTEGRATION GPT-6.1 Sol and Claude Sonnet 5.5 model support

WAS THIS USEFUL? 👍 👎

yetone magpie

Feedback ⓘ v0.1.1090 CODE ↗ RANK

magpie is a macOS menu-bar app, TUI, and CLI that lists every AI coding agent on the machine and switches each one's model, such as Codex on DeepSeek or Claude Code on Kimi, by rewriting only that key in the agent's own config.

> Across six same-day releases magpie added a font discovery API with UI font pickers, local provider config auto-import, spend-window-aware Sub2API key routing, and a long tail of gateway, UI, and agent-detection refinements.

└──▷ **WHAT SHIPPED · 21 FEATURES** most completely described first ? what's the number?

01 Font discovery API and UI font settings NEW 95

Adds `GET /api/fonts` endpoint to enumerate installed font families and styles (via DirectWrite, CoreText, and Fontconfig), with a `?refresh=1` query parameter to force re-discovery and stale-catalogue fallback on failure. Adds `uiFont` and `codeFont` settings to independently configure interface and code fonts, with explicit-null resets to restore the system-default font cascade.

Discover all installed font families exposed by magpie to populate a font picker or audit available typefaces.

```
$ curl http://localhost:<port>/api/fonts
```

Force magpie to re-scan installed fonts after installing a new typeface, discarding the cached catalogue.

```
$ curl 'http://localhost:<port>/api/fonts?refresh=1'
```

— Named endpoint, query param, and settings keys with runnable curl examples v0.1.1087

02 Local provider config discovery and import NEW 95

Adds `GET /api/importapps/discovery` endpoint that returns app names and opaque fingerprints for importable local provider configurations found from Alma, CC Switch, Claude Code, and Codex readers. Adds in-UI discovery of these configs on the Providers screen, with persistent dismissal stored via fingerprints so ignored entries survive window restarts.

Poll the discovery endpoint to see which local provider configs (Alma, CC Switch, Claude Code, Codex) magpie has found and can offer for import.

```
$ curl http://localhost:<magpie-port>/api/importapps/discovery
```

— Endpoint named with sources and a curl example to poll it `v0.1.1084`

---

03 **Sub2API key routing by spend windows** IMPROVED 85

Routes Sub2API keys by their per-key `5h`, `1d`, and `7d` spending windows (reading `limit`, `used`, and `reset_at` from the key's `/v1/usage`) so they are weighed like full accounts rather than by queue position. Also classifies Sub2API's `限额已用完` 429 responses as `failQuota` (via `plannedWords`) instead of `failRate`, so an exhausted key is rested until its window resets rather than retried every minute.

— Names fields, endpoint, and error classification but no user action `v0.1.1086`

---

04 **Plugin-driven daily check-ins** NEW 75

Plugins can implement `auth.checkin` to press their vendor's daily check-in themselves; magpie runs plugin check-ins alongside its own, storing results in `plugin-checkin.json` by provider and account.

— Names the hook, storage file, and keying scheme `v0.1.1085`

---

05 **fx and omp agent detection fixes** IMPROVED 70

Detects the fx agent by its `~/.fx` folder instead of an `fx` command on PATH, avoiding false positives from antonmedv/fx (the JSON viewer). Detects omp by its `config.yml`, PATH command, or `~/.omp/agent` folder rather than relying on `PI_CODING_AGENT_DIR`, so omp is no longer falsely detected when only Pi is installed.

— Names folders and env var but is internal detection logic `v0.1.1089`

---

06 **VSCodium Copilot Chat auto-configuration** NEW 65

Writes the VSCodium magpie provider group for the Copilot Chat extension it declares — OpenAI Compatible (customoai) for Marketplace version 0.48.1 — instead of requiring manual configuration.

— Names exact provider group and extension version `v0.1.1086`

---

07 **WebSocket rejection on /v1/responses** IMPROVED 60

Answers WebSocket upgrade attempts on `/v1/responses` with HTTP 426 ('magpie relays Responses over HTTP only') instead of 404, making the rejection explicit.

— Names the endpoint and exact status codes before and after `v0.1.1084`

THINNER COVERAGE BELOW

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08 **Gateway 502 for non-API upstream responses** IMPROVED 55

The gateway now treats an upstream 200 that returns an HTML page, an empty body, or non-API JSON as a 502, causing the group to fall through to its next member.

— Clear status-code mechanism, no user-facing action v0.1.1085

09 **Plugin node:http2 proxy routing** IMPROVED 50

Routes a plugin's `node:http2` connections through magpie's proxy, the same path its `fetch` calls already use.

— Names the module and existing path but is internal plumbing v0.1.1090

10 **Package-manager upgrade awareness notice** NEW 50

Shows a 'waiting for winget / Homebrew' notice (with the version each channel currently has) when a newer magpie release is on GitHub but the package manager that installed it has not caught up yet.

— Describes the notice and channels but no config surface v0.1.1089

11 **Live reasoning streaming for lone providers** IMPROVED 50

Streams Claude and GPT reasoning tokens in real time when a single provider is configured, rather than holding the stream until a refusal check completes.

— Explains before/after behaviour but no config surface named v0.1.1087

12 **Reasoning-effort forwarding adjustments** IMPROVED 50

Sends reasoning-effort on gateway requests to Cursor Private Inference rows, and strips magpie-generated reasoning before forwarding to Azure OpenAI or OpenAI's API.

— Names specific providers affected, no further mechanism v0.1.1084

13 **MCP Servers library bulk controls** NEW 45

Adds Select, Turn all on, Turn all off, and Remove all bulk controls to the MCP Servers library page, matching the skills page, under an `In the library` heading.

— Names UI controls and location but it's a UI path only v0.1.1090

14 **Gateway JSON call body folding and copy** IMPROVED 45

Gateway page's recent calls view now has folding, syntax colouring, and per-key/value copy for JSON request bodies.

— Clear UI behaviour but no config or endpoint named v0.1.1090

15 **Claude Code sub-agent session tracking** IMPROVED 45

Reads Claude Code workflow sub-agents as calls within their parent session, so usage and session counts include sub-agent traffic.

— Clear behaviour change, no further mechanism given v0.1.1089

16 **Web-search request routing fix** IMPROVED 45

Routes web-search requests at providers that serve the client's own API on that API directly, not via Chat, so the search tool is not sent to providers that would reject it.

— Describes routing fix without naming specific providers v0.1.1084

17 **Loopback-forwarded gateway auth fix** IMPROVED 40

Answers loopback-forwarded requests from a proxy or tunnel as though they come from a remote machine, so gateway key authentication applies correctly.

— Describes the fix but not the detection mechanism v0.1.1089

18 **Font style ordering fix** IMPROVED 40

Lists upright font styles before slanted faces at the same weight (normal → italic → oblique), fixing alphabetical mis-ordering in the font catalogue.

— Clear before/after but a minor cosmetic fix v0.1.1089

19 **Speed chart leader lines** NEW 40

Adds leader lines to Speed chart marks that float above their bar (models faster than the day's average), connecting each mark back to its bar's top.

— Visual-only change, no interaction surface named v0.1.1089

20 **Tray Allowances tab hide and reorder** NEW 40

Adds hide and reorder controls to the tray panel's Allowances tab, letting users suppress or rearrange subscription entries.

— Names the exact UI tab as a clear starting point v0.1.1086

21 **Skills grouping by source** IMPROVED 30

Groups skills installed from GitHub above local ones, and collapses repositories from the same author into a single group.

— UI grouping behaviour described thinly v0.1.1089

NEW INTEGRATION Reasonix Studio integration

> v0.1.1083 CODE ↗ STABLE

Adds Reasonix Studio agent support; fixes window maximise persistence via `settings.WindowMaximised`; improves credits-switch 429 accuracy.

└──▷ **GET THIS VERSION**

```
$ git clone --branch v0.1.1083 https://github.com/yetone/magpie.git
# already have the repo? check out this version:
$ git checkout v0.1.1083
```

Adds Reasonix Studio integration with separate `Executor` and `Plan` model fields, configured via `config.toml` and `.env` under `REASONIX_HOME`, `~/.reasonix`, or `%APPDATA%/reasonix` on Windows, using the `MAGPIE_REASONIX_API_KEY` credential.

Adds `settings.WindowMaximised` setting (per-machine, alongside `settings.Window`) so the main window reopens maximised or at its last normal size after a restart.

Improves credits-switch 429 responses and usage records to accurately distinguish cap-held vs. credits-held accounts, with updated hint wording.

WAS THIS USEFUL? 👍 👎

StackBlitz bolt.new

Feedback ⓘ snapshot-20261006 NOTES ↗

RANK

Bolt.new is an AI-powered web development platform that builds websites and applications from prompts.

> bolt.new refined its preview pane with theme switching (System/Light/Dark) and reorganized preview controls into a single menu.

└──▷ **WHAT SHIPPED · 2 FEATURES** most completely described first ? what's the number?

01 Preview theme switching NEW

65

Adds controls above the project preview pane that let you change the preview theme, including System, Light, and Dark options, accessible from the More preview controls (...) menu without leaving the editor.

Switch your project preview to a different theme without leaving the editor.

> 📍 In bolt.new, open your project, then use the controls above the preview pane to change the preview theme.

Switch the preview to Dark mode to QA a project's dark theme without affecting Bolt's own UI.

> 📍 In the preview panel, click More preview controls (...) › select Dark under preview theme.

— Names the exact menu and theme options with UI steps snapshot-20261006

THINNER COVERAGE BELOW

02 Consolidated preview controls menu IMPROVED

50

Moves the Open in new window and Full screen options into the new More preview controls (...) menu above the preview pane.

— Names relocated options but no usage example snapshot-20261006

WAS THIS USEFUL? 👍 👎

Diagram Design

Feedback ⓘ changes since 2026-09-10 CODE ↗

RANK

Diagram Design is a Claude Code skill that generates editorial HTML and SVG diagrams and imports draw.io or Mermaid sources.

> Diagram Design shipped a cross-agent install/update path through the `skills` CLI, a geometry-verification script for CI, and a new Axonometric Plan diagram type, while flagging that slash commands aren't available outside marketplace installs.

└──▷ **WHAT SHIPPED · 3 FEATURES** most completely described first ? what's the number?

01 Geometry verification script for diagram CI NEW

95

`python3 scripts/verify-geometry.py --all` fails CI when label masks overlap later-declared nodes, diagonal connectors are present, a connector runs along a node border or attaches at its corner, ports are closer than 12 px, or arrows are stacked on one trunk. `python3 scripts/test-verify-geometry.py` validates the geometry checker in both directions.

Gate CI on layout correctness — fail the build if any label overlaps a node, connector is diagonal, port is too close, or arrows share a trunk.

```
$ python3 scripts/verify-geometry.py --all
```

Gate a diagram PR in CI so no label, connector, or port placement violates geometry rules before the diagram is rendered.

```
$ python3 scripts/verify-geometry.py --all
```

— Runnable command with exact, enumerated failure conditions. product docs

02 Cross-agent install and update via skills CLI NEW

85

`npx skills add cathrynlavery/diagram-design` installs the skill into any agent host root by resolving `skills/diagram-design/SKILL.md` and installing `references/`; a `--copy` flag installs independent copies per host instead of the default symlink, which otherwise lets one future `update` propagate to every host. `npx skills update diagram-design` pulls merged updates for standalone `skills` CLI installs.

Install the full Diagram Design skill into multiple agent host roots at once, using a symlink so a single `update` reaches all of them.

```
$ npx skills add cathrynlavery/diagram-design
```

Pull the latest merged updates to a standalone `skills` CLI install without going through a marketplace.

```
$ npx skills update diagram-design
```

Install the Diagram Design skill into all your agent host roots at once — choose Symlink so one future `update` propagates everywhere.

```
$ npx skills add cathrynlavery/diagram-design
```

— Names exact install/update commands and the --copy flag. product docs

THINNER COVERAGE BELOW

03 **Standalone CLI install lacks slash commands** BREAKING

50

The `/export-diagram`, `/import-mermaid`, `/profile`, and `/doctor` command surfaces are NOT available when the skill is installed via the standalone `skills` CLI — only in the native marketplace packages.

— Names affected commands but offers no workaround. product docs

└──▷ BREAKING ON UPGRADE

! The `/export-diagram`, `/import-mermaid`, `/profile`, and `/doctor` command surfaces are NOT available in the standalone `skills` CLI install — only in the native marketplace packages.

changes since 2026-09-10 CODE ↗

Diagram Design: Adds `skills/diagram-design/scripts/excalidraw_extract.py` to import `.excalidraw` / `.excalidraw.json` whiteboard scenes for editorial redraw.

└──▷ GET THIS VERSION

```
$ git clone --branch commits-2026-09-10
https://github.com/cathrynlavery/diagram-design.git
# already have the repo? check out this version:
$ git checkout commits-2026-09-10
```

└──▷ **TRY IT**

Extract and redraw an Excalidraw whiteboard scene into the editorial design system.

```
$ python3 skills/diagram-design/scripts/excalidraw_extract.py my-whiteboard.excalidraw
```

Validate a new Marimekko diagram's geometry invariants before committing it.

```
$ python3 scripts/verify-marimekko.py assets/my-marimekko.svg
```

Adds `scripts/verify-excalidraw-import.py` driven against `scripts/fixtures/sample-whiteboard.excalidraw` and `scripts/fixtures/sample-adversarial.excalidraw` to verify the Excalidraw import pipeline.

WAS THIS USEFUL? 👍 👎

claude-mem

Feedback ⓘ v13.33.0 NOTES ↗ RANK

claude-mem gives coding agents persistent memory by capturing session activity, compressing it with a model, and injecting relevant context into later sessions.

> claude-mem's v13.33.0 release extends the File Read Gate to marketplace installs with verified tree-sitter CLI downloads and a higher block threshold, plus adds recovery and evaluation commands and a more flexible sync test environment variable.

└──▷ **WHAT SHIPPED · 2 FEATURES** most completely described first ? what's the number?

01 File Read Gate support for marketplace installs IMPROVED

95

The File Read Gate now works in marketplace installs: the worker auto-downloads and SHA-256-verifies `tree-sitter-cli` at `0.26.9` on startup, enabling the gate plus the `smart_search`, `smart_outline`, and `smart_unfold` tools. The block threshold was raised to code files of `32 KB` and up (from the v13.32.0 default), reducing unnecessary blocking of smaller files. If the automatic download fails, `npx claude-mem repair` manually re-triggers the tree-sitter CLI fetch, and `npm run eval:read-gate` runs a gate-on/gate-off token and cost comparison on a 49 KB fixture.

Recover a marketplace install where the tree-sitter CLI download failed and `smart_search` / `smart_outline` are still answering `Could not parse`.

```
$ npx claude-mem repair
```

Run a gate-on vs gate-off cost comparison against your own 49 KB fixture to decide whether the 32 KB threshold is right for your codebase.

```
$ npm run eval:read-gate
```

— Names exact version, threshold, and two runnable commands. v13.33.0

02 Configurable remote hosts for sync E2E tests IMPROVED

60

The `CMEM_SYNC_E2E_ALLOW_REMOTE_HUB` environment variable now accepts a comma-separated list of exact hostnames, enabling production smoke runs through `sync.cmem.ai` alongside a Supabase project host.

— Names the config variable but gives no usage example. v13.33.0

WAS THIS USEFUL?  

agents-cli

Feedback ⓘ v1.9.0 NOTES ↗ RANK

The CLI and skills that turn any coding assistant into an expert at creating, evaluating, and deploying AI agents on Google Cloud.

> agents-cli v1.9.0 adds CMEK encryption and pre-flight dry-run validation for Agent Runtime deploys, turns on usage telemetry by default, and tightens linting, environment variables, and flag validation across the deploy and infra commands.

└──▷ **WHAT SHIPPED · 8 FEATURES** most completely described first ? what's the number?

01 **CMEK encryption for Agent Runtime deploys** NEW 88

`agents-cli deploy --key` encrypts an Agent Runtime agent with a customer-managed Cloud KMS key (CMEK), enabling deploys in projects that enforce `constraints/gcp.restrictNonCmekServices`. `agents-cli deploy --list` gains a new Encryption column showing the key used.

Deploy an Agent Runtime agent encrypted with your own Cloud KMS key in a project that enforces CMEK policies.

```
$ agents-cli deploy --key projects/my-project/locations/us-central1/keyRings/my-ring/cryptoKeys/my-key
```

— Names exact flag, policy constraint, and UI column v1.9.0

02 **Pre-flight dry-run checks for deploys** NEW 87

`agents-cli deploy --dry-run` validates a deployment against Google Cloud before it runs, checking enabled APIs, the target engine, IAM permissions, `actAs` on the service account, and secrets. It exits with code 1 on a definite problem and warns on checks that cannot run.

Validate IAM permissions, enabled APIs, and secrets before committing to a real deploy — useful in CI to catch misconfigurations early.

```
$ agents-cli deploy --dry-run
```

— Exact flag, exit codes, and checked surfaces named v1.9.0

03 **Usage telemetry on by default** BREAKING 83

Usage telemetry is now on by default, writing one structured log entry per command to your own Google Cloud project (`logName=projects/<project>/logs/agents-cli`). Opt out with `AGENTS_CLI_TELEMETRY=0` or `DO_NOT_TRACK=1` , and `agents-cli info` now always shows whether telemetry is on. Environments where outbound telemetry calls are not permitted must set the opt-out before upgrading.

Disable telemetry in a CI environment where outbound calls to Google are restricted.

```
$ AGENTS_CLI_TELEMETRY=0 agents-cli deploy
```

— Exact env vars and log name given; default-on is a breaking change v1.9.0

---

04 **Empty values rejected for unsupported deploy flags** BREAKING

65

An empty value for an unsupported flag — such as `--key ""` on a Cloud Run deployment — is now rejected instead of silently ignored, so scripts that passed empty values for inapplicable flags will now fail. The error format is now <flag> is only supported for <targets> deployments (current target: <target>).

— Exact error format given but needs script audit, no command v1.9.0

---

05 **gofmt/goimports linting for Go projects** NEW

62

New ADK Go projects enable `gofmt` and `goimports` formatters, so `agents-cli lint` reports formatting issues and `agents-cli lint --fix` fixes them.

— Names exact commands but limited mechanism detail v1.9.0

---

06 **GOOGLE_GENAI_USE_ENTERPRISE env var replaces deprecated name** DEPRECATED

62

New ADK Python projects set `GOOGLE_GENAI_USE_ENTERPRISE=true` instead of the deprecated `GOOGLE_GENAI_USE_VERTEXAI` ; `agents-cli deploy` to Agent Runtime respects whichever name your `.env` sets.

— Exact env var names given, no further mechanism v1.9.0

---

07 **Deployment revision column in completions_view** NEW

60

`completions_view` gains a `service_version` column with the deployment revision; run `agents-cli scaffold upgrade` to get this in an existing project.

— Names column, command, and migration step v1.9.0

THINNER COVERAGE BELOW

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08 **BigQuery log sink tables preserved on infra setup** IMPROVED

`agents-cli infra single-project` and `infra cicd` no longer replace BigQuery log sink tables once logs have arrived, preventing deletion of exported logs.

— Names commands and bug fixed, no reproduction steps `v1.9.0`

└──▷ BREAKING ON UPGRADE

! An empty value for an unsupported flag — such as `--key ""` on a Cloud Run deployment — is now rejected instead of silently ignored; scripts that passed empty values for inapplicable flags will now fail.

! Scripts that match the old unsupported-flag error text will need updating; the format is now <flag> is only supported for <targets> deployments (current target: <target>).

! Usage telemetry is now on by default; environments where outbound telemetry calls are not permitted must set `AGENTS_CLI_TELEMETRY=0` or `DO_NOT_TRACK=1` before upgrading.

WAS THIS USEFUL?  

Graphify Labs Graphify

Feedback ⓘ

announced · Oct 6, 2026 | BLOG ↗ | RANK

Graphify converts code, docs, SQL schemas, configs, and PDFs into a queryable knowledge graph with explainable relationships.

> Graphify launched a ChatGPT plugin that connects ChatGPT, Codex, and OpenAI Dots to repositories already indexed in Graphify Cloud, alongside a separately installable open-source local engine.

└──▷ **WHAT SHIPPED · 4 FEATURES** most completely described first ? what's the number?

01 **ChatGPT plugin for indexed repositories** NEW 85

A new ChatGPT plugin (listed as Graphify by Graphify Labs under Developer Tools) connects ChatGPT, Codex, and Dots to repositories already indexed in Graphify Cloud via the hosted MCP server at `https://api.graphify.com/mcp`. From within ChatGPT and Codex conversations it supports call-path tracing, dependency analysis, static change-impact assessment, and test discovery across indexed repos. It can be installed via the ChatGPT plugin directory, `Settings > Plugins > Graphify`, or the sidebar Plugins entry, with no API key required.

— Names MCP endpoint and install paths but no runnable command launch-20261006-b2083388

02 **Local open-source engine install** NEW 75

The open-source local engine is installed separately via `uv tool install graphifyy` and `graphify install` (PyPI package `graphifyy`, two y's) and is distinct from the ChatGPT plugin.

Install the local open-source Graphify engine and register it with your editor — separate from the ChatGPT plugin.

```
$ uv tool install graphifyy
graphify install
```

— Runnable install commands given, scope otherwise thin launch-20261006-b2083388

03 **Dots autonomous action approval control** NEW 60

Supports OpenAI Dots (always-on agents) — configure which Graphify actions a Dot may run autonomously versus require approval via `Settings > Customize > Plugins > Graphify`.

— Exact UI path given but mechanism underspecified launch-20261006-b2083388

THINNER COVERAGE BELOW

04 **Edge provenance tagging in graph answers** NEW 50

Edge provenance tags each graph edge as `EXTRACTED`, `INFERRED`, or `AMBIGUOUS` in answers surfaced through the plugin.

— Names tag values but no usage or display mechanism `launch-20261006-b2083388`

WAS THIS USEFUL? 👍 👎

AGENT

◆ AI Agent Frameworks

Feynman

Feedback ⓘ v0.5.28 NOTES ↗ RANK

Feynman is a personal AI research assistant that searches papers and the web, builds literature reviews, and produces cited research reports.

> Feynman renamed its Azure OpenAI provider (with a required migration step), added OpenID Connect sign-in for MCP servers, improved subagent context preservation, and made several incremental improvements to its pi-web-access web search tool.

└──▷ WHAT SHIPPED · 6 FEATURES most completely described first ? what's the number?

01 **Azure OpenAI provider renamed to azure** BREAKING 95

The Azure OpenAI provider is renamed from `azure-openai-responses` to `azure`. Existing setups must run `feynman model login azure` again and update the provider name in `~/.feynman/agent/models.json`.

Migrate an existing Azure OpenAI setup to the new `azure` provider name after upgrading.

```
$ feynman model login azure
```

— Exact command and config file path for required migration product docs

02 **Web access improvements in pi-web-access** IMPROVED 70

pi-web-access now asks documentation sites for Markdown first, so model context is richer and better structured (pi-web-access). It also reports failed `web_search` or `fetch_content` calls as tool errors so the model can retry, and includes page snippets in Perplexity results while reducing their cost, both via pi-web-access 0.37.0.

— Names tool calls and version but no config to act on v0.5.28

03 **Subagent context preservation** IMPROVED 65

Preserves the main session's system prompt (subagent list, MCP servers, extensions) and provider prompt cache when a subagent result wakes the main session, via pi-subagents 0.76.1.

— Explains mechanism and scope but no user-facing action v0.5.28

THINNER COVERAGE BELOW

04 **Keyboard navigation in fullscreen transcript** NEW 55

Adds `Ctrl+Home` / `Ctrl+End` shortcuts in fullscreen to jump to the top or bottom of the transcript, and `Home` / `End` to move within the input line.

— Names exact key combinations but no further mechanism `product docs`

---

05 **OpenID Connect sign-in for MCP servers** NEW 50

Supports OpenID Connect registration for MCP server sign-in via Pi 1.0.4.

— Names mechanism and version but no setup steps `v0.5.28`

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06 **Named tool timeout messages** IMPROVED 25

Per-tool timeout messages now name the specific tool instead of reporting a generic run deadline.

— Behavior described but no surface or example given `product docs`

└─▷ BREAKING ON UPGRADE

! The Azure OpenAI provider is renamed from `azure-openai-responses` to `azure`; users who configured Azure must run `feynman model login azure` again and rename the provider entry in `~/.feynman/agent/models.json`.

WAS THIS USEFUL? 👍 👎

Microsoft Semantic Kernel

Feedback ⓘ python-1.45.0

NOTES ↗ RANK

Semantic Kernel provides an open-source SDK for building AI agents and integrating language models into C#, Python, and Java applications.

> Semantic Kernel's python-1.45.0 release focuses on reliability fixes across MCP tooling, session handling, CrewAI orchestration, and a breaking cleanup of an unsupported Copilot Studio auth mode.

└──▷ **WHAT SHIPPED · 4 FEATURES** most completely described first ? what's the number?

01 **Removed unsupported Copilot Studio auth mode** BREAKING 45

The unsupported service auth mode is removed from the Copilot Studio agent in Python; any configuration relying on it will break on upgrade.

– Names the breaking change but no migration path given python-1.45.0

02 **CrewAI task identifier validation** IMPROVED 40

Validates CrewAI task identifiers in Python and .NET for safer multi-agent task orchestration.

– States scope and benefit but no mechanism or API named python-1.45.0

03 **Session download filename encoding and validation** IMPROVED 30

Encodes and validates session download filenames in Python.

– Bare description, no field or format named python-1.45.0

04 **Consistent MCP server tool names** IMPROVED 30

Makes MCP server tool names consistent across Python agents.

– Vague fix with no detail on prior inconsistency or mechanism python-1.45.0

└──▷ **BREAKING ON UPGRADE**

! The unsupported service auth mode is removed from the Copilot Studio agent in Python; any configuration relying on it will break on upgrade.

WAS THIS USEFUL? 👍 👎

DEPLOY

◆ Agentic Infrastructure

Hugging Face

Feedback ⓘ changelog · Oct 6, 2026 CHANGELOG ↗

RANK

Hugging Face is an open platform for building, sharing, and deploying machine-learning models, datasets, and applications.

> Hugging Face added a single new profile feature this window: a public P(doom) field letting users share their estimated probability of AI-caused existential catastrophe.

└──▷ WHAT SHIPPED · 1 FEATURE most completely described first ? what's the number?

01 **P(doom) field on user profiles** NEW 50

Hugging Face profiles now include a P(doom) field where users can publicly display their estimated probability of AI causing an existential catastrophe; responses contribute to an anonymized community survey on AI risk perception. Set it via profile settings on your Hugging Face profile page.

Set your P(doom) estimate on your Hugging Face profile to contribute to the community AI risk survey.

📍 1. Go to your Hugging Face profile page. 2. Open profile settings. 3. Locate the `P(doom)` field. 4. Enter your estimated probability and save.

— Names the exact field and setup steps, but no mechanism depth

changelog-20261006-a908d6ff

WAS THIS USEFUL? 👍 👎

Together AI

Feedback ⓘ announced · Oct 5, 2026 BLOG ↗ RANK

Run, train, and serve open-source AI models on Together AI.

> Together AI launched Together Link, a one-command installer that redirects existing coding agents like Claude Code and Codex to Together's open models, paired with a per-session cost comparison tool against Opus 5.5.

└──▷ **WHAT SHIPPED · 2 FEATURES** most completely described first ? what's the number?

01 **Together Link installer for coding agents** NEW 90

The `together link` installer, run via `curl -fsSL https://link.together.ai/install | bash`, redirects Claude Code, Claude Desktop, Codex (ChatGPT app and CLI), OpenCode, and Pi to Together AI's open models without requiring any changes to agent settings or logins.

Install Together Link so your existing Claude Code or Codex agent routes to open models immediately, with no changes to your agent config or logins.

```
$ curl -fsSL https://link.together.ai/install | bash
```

— Exact install command and named agents supported, fully actionable

launch-20261005-c4ab6e88

02 **Per-session cost tracker vs Opus 5.5** NEW 60

Together Link includes a per-session cost tracker that shows what a session actually spent compared to what the equivalent session would have cost on Opus 5.5, billed against existing Together API keys via serverless pay-as-you-go pricing or credit packs.

— Mechanism and billing named but no command or UI path given launch-20261005-c4ab6e88

WAS THIS USEFUL? 👍 👎

DATA

◆ Vector DBs & RAG

NeuML txtai

Feedback ⓘ v9.14.0 NOTES ↗ RANK

txtai is an embeddings database for semantic search, LLM orchestration, and language model workflows, with sparse, dense, and graph indexes in one store.

> txtai v9.14.0 adds ONNX and RaBitQ backends alongside a zvec-backed sparse ANN backend, expands ANN configuration with tunable IVF/HNSW search modes and quantization, and drops support for Python 3.10 and earlier.

└──▷ WHAT SHIPPED · 7 FEATURES most completely described first ? what's the number?

01 **Zvec sparse ANN backend** NEW 93

Adds a sparse ANN backend backed by `zvec`, selectable as `zvecsparse` (also available as `ivfsparse` or `pgsparse`), storing sparse vectors in an embedded path-based index and requiring the `ann` extras package. Build and query quality under `embeddings.scoring` are tuned via `efconstruction` (int, default 200) for `HnswIndexParam`, `m` (int, default 50) for HNSW links per element, and `efsearch` (int, default 300) for `HnswQueryParam`.

Stand up a sparse ANN index with `zvecsparse` and tune HNSW build/query quality for a high-recall retrieval pipeline.

yaml

```yaml
embeddings:
  scoring:
    backend: zvecsparse
    efconstruction: 400
    m: 64
    efsearch: 600
```

Enable sparse vector indexing with the Zvec Sparse ANN backend for keyword-aware hybrid retrieval.

```python
from txtai import Embeddings

embeddings = Embeddings({
    "path": "sentence-transformers/all-MiniLM-L6-v2",
    "backend": "zvec"
})
embeddings.index(["Sparse ANN indexing", "Zvec retrieval
backend"])
print(embeddings.search("sparse vector search", 1))
```

— Names backend aliases, config keys and defaults with example v9.14.0

02 **IVF and HNSW search modes with quantization tuning** NEW

91

The `ann` backend config supports `ivf` and `hnsw` search modes, tunable via `ef_construction` (int, default 200) for `HnswIndexParam` build quality and `ef` (int, default 300) for `HnswQueryParam` query-time recall. Both modes use 1-bit quantization by default; setting `nbits` to 32 stores full vectors in the index for reranking. IVF mode supports upserts and deletes, while HNSW indexes are immutable after creation and cannot be modified.

Build an HNSW index with tuned construction and query params to balance recall and speed.

```python
from txtai import Embeddings

embeddings = Embeddings({
    "ann": {
        "backend": "hnsw",
        "ef_construction": 400,
        "ef": 500
    }
})
embeddings.index([(0, "endpoint exploit via CVE-2024-1234",
None)])
```

Use IVF mode with full 32-bit vectors stored in-index to enable reranking after upserts.

```python
from txtai import Embeddings

embeddings = Embeddings({
    "ann": {
        "backend": "ivf",
        "nbits": 32
    }
})
embeddings.index([(0, "lateral movement detection log", None)])
embeddings.upsert([(1, "privilege escalation alert", None)])
```

— Names params, defaults, and modify-vs-immutable behaviour with examples `product docs`

03 **ONNX vectors backend** NEW 72

Adds `onnx` as a native vectors backend, enabling ONNX-format embedding models to power txtai indexes without running a separate inference server; selected via `vectors: {backend: onnx}` in the embeddings config.

Use an ONNX-format embedding model as the vector backend for a txtai embeddings index — no separate inference server required.

```python
from txtai import Embeddings

embeddings = Embeddings({
    "path": "sentence-transformers/all-MiniLM-L6-v2",
    "vectors": {"backend": "onnx"}
})
embeddings.index(["Fast ONNX inference", "Native vector
backend"])
print(embeddings.search("efficient embeddings", 1))
```

— Names config key and backend, includes runnable example `v9.14.0`

04 **RaBitQ ANN backend** NEW 72

Adds `rabitq` as an ANN backend providing quantized approximate nearest-neighbor search, with IVF mode supporting append and delete operations; selected via `backend: rabitq`.

Use RaBitQ as the ANN backend to get memory-efficient quantized approximate nearest-neighbor search on large corpora.

```python
from txtai import Embeddings

embeddings = Embeddings({
    "path": "sentence-transformers/all-MiniLM-L6-v2",
    "backend": "rabitq"
})
embeddings.index(["RaBitQ quantized search", "Efficient ANN retrieval"])
print(embeddings.search("fast vector search", 1))
```

— Names backend and operations, has runnable example v9.14.0

THINNER COVERAGE BELOW

05 **trust_remote_code support in AutoModels** NEW 43

Adds `trust_remote_code` support in associated AutoModels, enabling models that require custom code to be loaded from the Hugging Face Hub.

— Names flag but gives no usage example v9.14.0

06 **Python 3.11+ now required** BREAKING 42

Python 3.10 and earlier are no longer supported; txtai now requires Python 3.11+.

— Clear version cutoff but no migration detail v9.14.0

07 **pooling_mode configuration for Sentence Transformers** NEW 38

Supports `pooling_mode` configuration with models trained using recent versions of Sentence Transformers.

— Names config key but no mechanism or example given v9.14.0

└──▷ BREAKING ON UPGRADE

! Python 3.10 and earlier are no longer supported; txtai now requires Python 3.11+.

WAS THIS USEFUL? 👍 👎

rag-anything

Feedback ⓘ v1.4.2 NOTES ↗ RANK

"RAG-Anything: All-in-One RAG Framework"

> RAG-Anything v1.4.2 fixes a silent text-loss bug in concurrent document inserts by making failures raise instead of returning normally, adds page-level provenance to text chunks, and tightens Markdown image detection with magic-byte validation.

└──▷ **WHAT SHIPPED · 4 FEATURES** most completely described first ? what's the number?

01 Fail-fast on LightRAG text processing errors

BREAKING

88

process_document_complete() and insert_content_list() now raise `RuntimeError: LightRAG failed to process the text of <doc_id>: <error>` instead of silently leaving `doc_status` as `processed` when LightRAG fails a document's text. If a user cancelled LightRAG's pipeline before queued text was processed, these methods now raise instead of restarting the pipeline, and a `doc_status` record written without LightRAG having stored the text (e.g. `failed` after a parse error with an explicit `doc_id`) is removed before each text insert. Callers that did not previously handle exceptions from these methods must be updated.

— Exact exception text and three precise before/after behavior changes given v1.4.2

02 Magic-byte validation for Markdown image references

IMPROVED

68

A Markdown image reference now becomes an image block only when the referenced file has an image extension and a matching PNG, JPEG, GIF, BMP, TIFF/BigTIFF, or WebP signature; anything else is left as literal text.

— Lists exact formats checked but no flag or setting to control it v1.4.2

03 Synchronous wait and queue-depth logging on insert

IMPROVED

67

process_document_complete() and insert_content_list() now wait for LightRAG to finish indexing queued text before returning, preventing text loss when the pipeline is busy with another concurrent insert. A warning is logged every five minutes while either method is blocked waiting for a busy LightRAG pipeline, giving operators visibility into queue depth.

— Describes mechanism and logging cadence but no config to tune it v1.4.2

THINNER COVERAGE BELOW

04 **Page-number annotations on text chunks** IMPROVED 57

Each stored `text_chunks` record is now annotated with `page_idx` (and `page_idx_end` when a chunk spans pages), giving text chunks the same source-page metadata that multimodal chunks already carried.

— Names exact fields but no retrieval or query example shown v1.4.2

└──▷ **BREAKING ON UPGRADE**

! process_document_complete() and insert_content_list() now raise `RuntimeError: LightRAG failed to process the text of <doc_id>: <error>` on text-processing failure instead of silently returning with `doc_status` showing `processed`. Callers that did not previously handle exceptions from these methods must be updated.

! If a user cancelled LightRAG's pipeline before queued text was processed, process_document_complete() and insert_content_list() now raise instead of restarting the pipeline.

! A `doc_status` record written by RAG-Anything without LightRAG having stored the text (e.g. `failed` after a parse error with an explicit `doc_id`) is now removed before each text insert, which may change behaviour for callers that relied on LightRAG skipping re-inserts of known `doc_id`s.

WAS THIS USEFUL? 👍 👎

EVALUATE

◆ AI Observability & Evals

Comet Opik

Feedback ⓘ 2.2.92 NOTES ↗ RANK

Opik traces, evaluates, and monitors LLM applications and agentic workflows, with datasets, an LLM-as-judge metric library, and production dashboards.

> Opik's latest releases add a configurable SQL-based post-run validation check, native Ollama SDK tracing, richer session-level skill breakdowns, and cross-workspace project search.

└──▷ WHAT SHIPPED · 4 FEATURES most completely described first ? what's the number?

01 **SQL post-run check with enforcement modes** NEW 65

Opik adds a free-form SQL post-run check configurable in `off`, `audit`, or `enforce` mode for backend validation of evaluation runs.

— Modes named but no exact config key or CLI flag shown 2.2.92

THINNER COVERAGE BELOW

02 **Skills columns in session analysis** IMPROVED 50

Adds `skills` columns to `cipx_session_analysis` for richer session-level skill breakdowns.

— Names exact table but not column fields or query 2.2.91

03 **Cross-workspace project search** NEW 42

Enables finding projects across workspaces and includes project names in the span usage breakdown.

— Describes capability but no UI path or API named 2.2.91

04 **Native Ollama SDK integration** NEW 35

Adds an integration for the native Ollama SDK, enabling trace logging for Ollama-powered LLM calls.

— Names the integration but no setup details given 2.2.92

WAS THIS USEFUL? 👍 👎

GOVERN

◆ AI/LLM Security

PipeLab Pipelock

Feedback ⓘ announced · Oct 6, 2026 BLOG ↗

Pipelock is an open-source AI agent firewall that scans MCP and HTTP egress for exfiltration, SSRF, and prompt injection and emits signed action receipts.

Pipelock 3.6 adds per-agent network namespaces, VNC screen viewing/control, signed workspace change statements, per-process receipt chains, and `verify-receipt --whole-recorder`.

Contained agents run in their own network namespace with their own loopback and no external route; `contain run` verifies the namespace before every launch.

`pipelock contain view` opens a contained agent's screen via VNC through a local-only socket; `--control` enables single-controller keyboard/mouse takeover.

`contain run` prints a session contract before launch (agent user, egress posture, private `/tmp`, allowed tools, workspace grants with expiry); `--dry-run` prints and stops.

When a contained session with granted workspaces ends, `contain run` writes a signed workspace change statement listing added, removed, and modified paths bound to the session's posture capsule.

Each Pipelock process now writes its own receipt chain; `verify-receipt --whole-recorder` checks all chains and shutdown seals on disk in one pass.

+4 more

UPDATED DETECTION Partial-match detection for canary, environment, and file secrets

UPDATED DETECTION SSRF and allowlist/blocklist checks extended to URL destinations in query parameters

NEW DETECTION DNS-over-HTTPS message inspection

UPDATED DETECTION Gzip and deflate response decoding before scanning

NEW INTEGRATION Pi listener integration via `pipelock pi install`

NEW INTEGRATION Continue.dev MCP server wrapping via `pipelock continue install`

NEW INTEGRATION Hand-setup guide for Grok CLI

└──▷ BREAKING ON UPGRADE

! A host pattern that is not a valid hostname is now refused with a message naming the field.

! A wildcard passthrough over a public suffix is now refused.

! A temporary exception whose expiry exceeds the field's new maximum is now

refused.

- ! The `session_profiling.volume_spike_ratio` config key has been removed; configs referencing it are refused.
- ! Building from source now requires Go 1.26.
- ! Contained hosts must run `sudo pipelock contain install` with the new binary; `contain upgrade` alone is not sufficient.

WAS THIS USEFUL? 👍 👎

AI MODELS

◆ Frontier Models

Mistral AI Mistral Large 4 Feedback ⓘ

released · Oct 6, 2026 MODEL ↗ BLOG ↗

Mistral Large 4 from Mistral AI was released on 6 Oct 2026. 524K-token context; $0.68 in / $2.09 out per million tokens (OpenRouter).

Mistral Large 4 launches as a 1-trillion-parameter natively multimodal open-weight model with expanded cyber, agentic, and vision capabilities.

Introduces Mistral Large 4 (ML4), a 1-trillion-parameter natively multimodal model with 49 billion active parameters, available as a public preview API on Mistral Studio.

Adds native multimodal understanding including visual grounding, complex document reasoning, chart analysis, and gigapixel satellite imagery inspection.

Adds agentic workflow capabilities across business applications including Gmail, Google Sheets, Slack, and Salesforce, scoring 59.9% on AutomationBench.

+4 more

WAS THIS USEFUL? 👍 👎

◆ Open-Weight Models

Google embeddinggemma-2

Feedback ⓘ

released · Oct 6, 2026 MODEL ↗

embeddinggemma-2 from Google was released on 14 Sep 2026. Open weights on Hugging Face.

WAS THIS USEFUL? 👍 👎

// END OF TRANSMISSION

The AI Toolchain · curated daily · October 6, 2026
Releases & features from the open-source and commercial AI tools that practitioners actually run.

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