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OpenClaw, Hermes Agent, ZeroClaw, Nanobot, NanoClaw or PicoClaw: which agent to run on your VPS

All in One AI

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OpenClaw, Hermes Agent, ZeroClaw, Nanobot, NanoClaw or PicoClaw: which agent to run on your VPS

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All six are open-source AI agents that keep running on a server and answer over messaging channels. They are all third-party projects and they change fast. The facts on this page come from each project's documentation and README, read on 28/11/2026. Before you install or update, always check the source.

Agent	Built with	What it needs	With All in One AI
OpenClaw	TypeScript (Node.js 24.16 or 26.1, or newer)	1 GB of RAM minimum, 2 GB recommended	Yes, as your own provider.
Hermes Agent	Python	The documentation gives no RAM figure	Yes, as a custom endpoint.
ZeroClaw	Rust, as a single program	The documentation gives no RAM figure	Yes, as a custom provider in `config.toml`.
Nanobot	Python 3.11 or newer	A laptop or a modest VPS, with no figures	Yes, as a custom provider with `apiBase`.
NanoClaw	TypeScript, each agent in a Docker container	macOS or Linux (Windows through WSL2), about 4 GB of RAM and Docker	Not directly: the official route for OpenAI-compatible addresses goes through OpenCode.
PicoClaw	Go, as a single program (RISC-V, ARM, MIPS and x86)	Under 10 MB of RAM, according to the project itself (10 to 20 MB in recent versions)	Yes, in `model_list` with `api_base`.

What makes each one different

OpenClaw: the best known. It is a gateway that takes the assistant to WhatsApp, Telegram, Slack, Discord, Teams and more than 20 other apps. We have articles on **what it is**, **security** and **using it with All in One AI**.

Hermes Agent: by Nous Research. It learns as you use it, creates skills, keeps a memory and runs scheduled tasks. It works with many channels, from Telegram to e-mail. See **using it with All in One AI**.

ZeroClaw: a single Rust program, with about 20 model providers and more than 30 channels. It has a dual licence, MIT or Apache-2.0.

Nanobot: the one from the HKUDS group (not another project with the same name). A light personal agent, with a web page, a terminal interface and more than 15 channels.

NanoClaw: puts each agent in its own container, which keeps it apart from the rest of the server, but it needs more memory. By default it uses the Anthropic agent SDK.

PicoClaw: made for very small hardware. The project itself warns that it should not go into production before version 1.0.

Which one to choose

1. You want the best documented one, with the most channels: **OpenClaw**.
2. You want an agent that learns and keeps a memory: **Hermes Agent**.
3. You have little memory or weak hardware: **ZeroClaw** or **PicoClaw**, but PicoClaw has not reached 1.0 yet.
4. You want each agent isolated in a container: **NanoClaw**, with 4 GB of RAM.

All have the MIT licence, except ZeroClaw (MIT or Apache-2.0). To use All in One AI models, choose models that support tools (function calling), such as `moonshotai/kimi-k2.7-code`, `zai-org/glm-5.2` or `deepseek-ai/deepseek-v4-pro`. The address is always `https://api.interweb.co.mz/v1`.

An agent with access to the server and your accounts is a real risk.
Give it only what it needs and use an API key with only `ai:read` and `ai:write`. The precautions are in **OpenClaw security** and apply to the others too.

To stay on the messaging channel all the time, the agent needs a server that never switches off. See **why an agent needs a VPS** and our **VPS plans**.

RECOMMENDED

Want your agent to use our models? See All in One AI.

See All in One AI →

SEE ALSO

- **Using OpenClaw with All in One AI: your own provider, the key and the model**
- **Using Hermes Agent with All in One AI: the custom endpoint, step by step**
- **What OpenClaw is, and what you need to run it**
- **Hosting an AI agent: why it needs a VPS and not shared hosting**
- **All in One AI**

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