Hermes AI Agent

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About

Hermes is a so called **agentic harness** that can be used with an AI model such that they together form an AI agent called Hermes. Now, what can such an AI agent do ? well it in its most simple terms it can do almost everything a human could do if placed in front of a computer. Yes, you heard that right, and you might think well that must be expensive, huge amount of resources are necessary ? But it's the opposite

1. No subscriptions, no middle man, no Big Tech necessary at all
2. Also to run an agentic harness you don't need expensive hardware at all! The only place where compute goes is the model runtime e.g Ollama, LMStudio that run the actual Models.

As stated it can basically do anything a human can do in front of a computer, so this includes but is not limited to

1. **Coding Assistant:** Read project files, write or review code, run it, and help debug issues from the CLI or via a Web or Desktop GUI
2. **Research and Daily Briefings**: Search for updates on chosen topics, summarize key findings, and deliver a scheduled digest to a channel of choice e.g Simplex, OpenWebUI, Signal, and more
3. **Recurring Task Automation:** Run scheduled jobs such as issue triage, business-metric summaries, reminders, or periodic system checks.
4. **Team chat assistant:** Give authorized team members a shared bot for code help, research, debugging, and other requests, with separate conversation sessions for each person
5. **Specialist agents and delegation:** Set up agents with different roles, tools, or memory, and coordinate them on larger tasks.
6. **Organization Administration:** Support workflows such as lead research, estimates and invoices, receipt extraction, meeting follow-ups, and CRM or inventory updates.
7. **Personal Productivity and Knowledge Management:** Organize research notes, maintain a knowledge base, and connect information across workspaces or personal tools
8. **Content and Marketing:** Help with SEO audits, content briefs, social-media research, campaign drafts, and creative production workflows
9. **Home and infrastructure tasks:** Connect to smart-home controls (Home Assistant) or support monitoring and inventory workflows for devices and networks

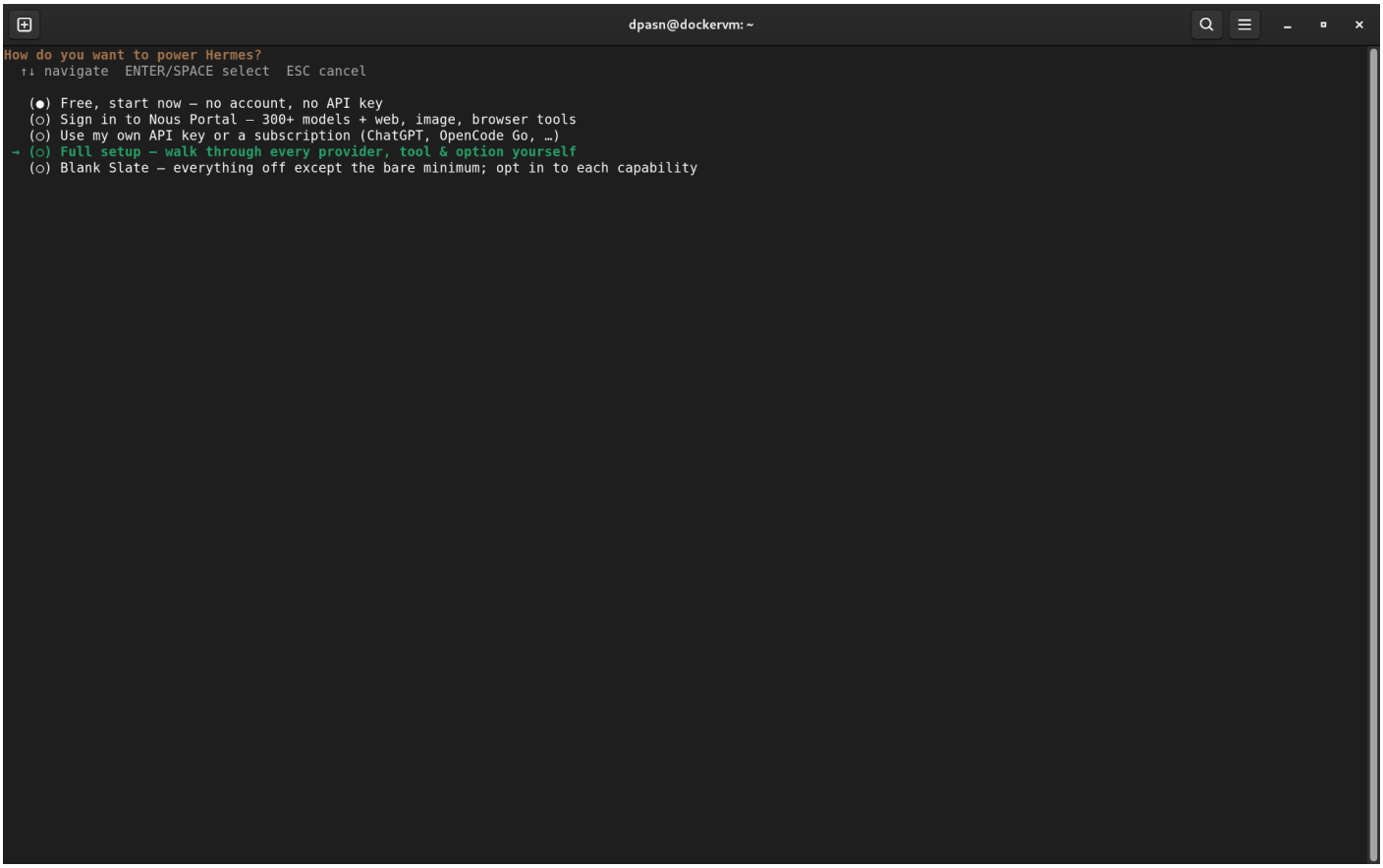
But one of the biggest ones would be custom integrations and developments: Extend Hermes with plugins, skills, or external tool connections. That means you could for instance ask Hermes to bring you a daily update on developments in field X. Then you can ask it to store these summaries inside a note app off your preference.

Sources
[1] https://hermes-agent.nousresearch.com/docs/getting-started/learning-path — Hermes Agent learning path
[2] https://hermes-agent.nousresearch.com/docs/guides/daily-briefing-bot — Daily Briefing Bot tutorial
[3] https://hermes-agent.nousresearch.com/docs/guides/team-telegram-assistant — Team Telegram Assistant tutorial
[4] https://hermes-agent.nousresearch.com/docs/guides/automation-blueprints — Automation Blueprints
[5] https://hermes-agent.nousresearch.com/docs/user-stories — Hermes Agent community user stories
[6] https://raw.githubusercontent.com/aliaihub/awesome-hermes-usecases/697314f50c605f62f2abd79b01ed86550b6d6be4/README.md — Community Hermes use-case catalog

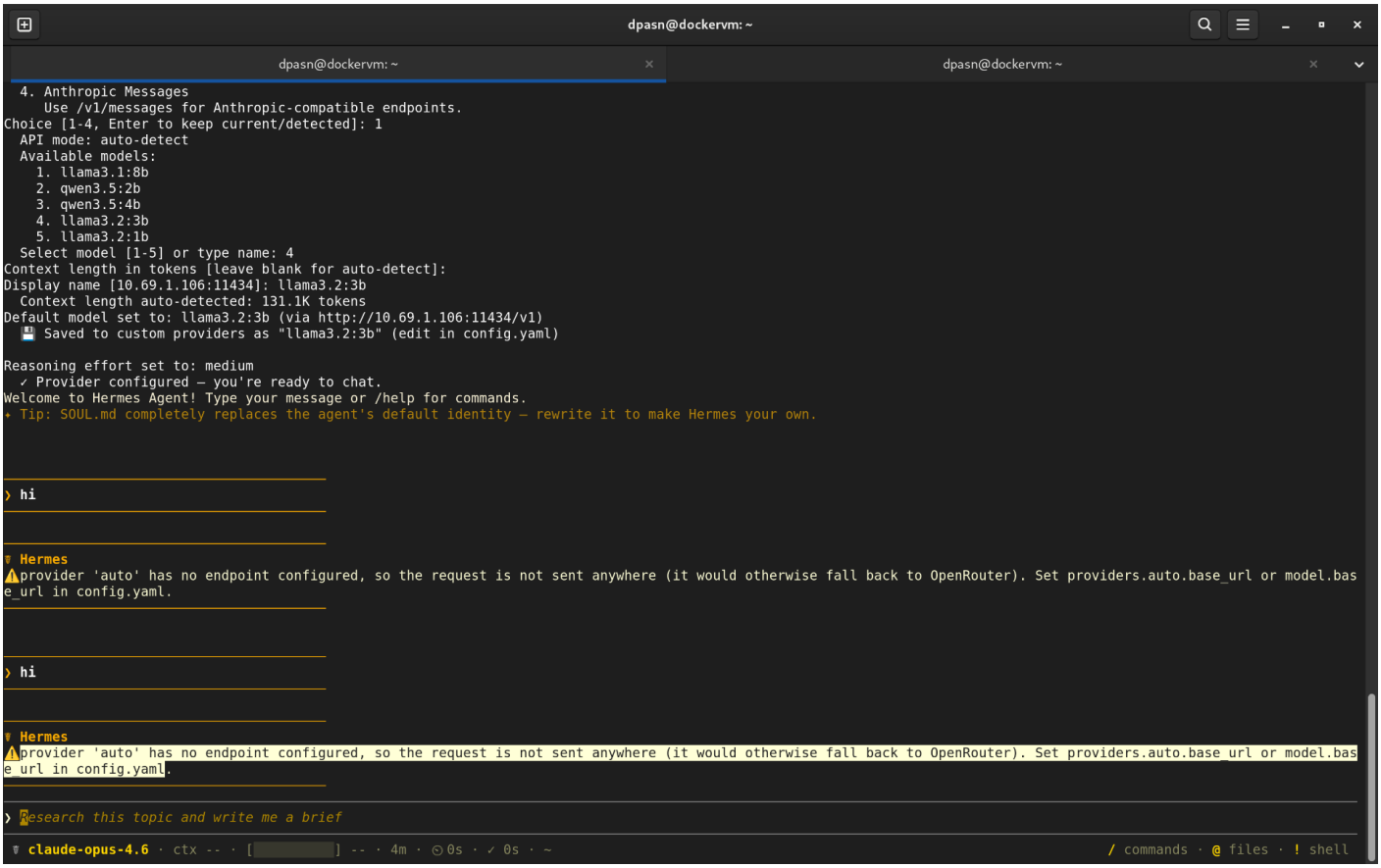
□□ Deployments

Docker Deployment

This Docker deployment is a bit different than usual since we won't be simply deploying a docker compose file as we are used to. Instead we use the official installation scrip to install Hermes on your VM.



Error: provider 'auto' has no endpoint configured, so the request is not sent anywhere (it would otherwise fall back to OpenRouter). Set providers.auto.base_url or model.base_url in config.yaml



I just needed to exit and renter again and it worked

Then when I wanted to search the web I got this error

The website ai.deternet.org is currently down. The web_extract tool encountered an error and was unable to retrieve content from the URL. The error message suggests that the web_extract tool is currently set to use DuckDuckGo as its backend, but it is not configured to extract URL content. To resolve this issue, you may need to adjust the web_extract tool's configuration to use a different backend or set of tools.

Extract URL Content

1. *Firecrawl*
2. *SearchXNG*

- Hermes does not automatically search just because a question is absent from its training data. You must configure the backend as described above for it to utilize web search capabilities.
- Ensure that the selected provider supports the features you need, such as extraction or crawling, depending on your use case.

Do I need a Firecrawl API key?

No, but web access is limited without one. Firecrawl is the default web backend, and Hermes agent auto-uses it whenever FIRECRAWL_API_KEY is present. Other search providers exist, but Firecrawl is the only one that covers the full range of web actions: search, single-page scraping, and multi-page crawling

□□ Configuration

Configuration

1. Skills