MCP

DAILY RED TEAM
THINK RED. TEAM RIGHT.

5 OPEN-SOURCE MCP SERVERS WORTH ADDING

PRIMARY RESEARCH | ENCYCLOPEDIC GROUNDING | REAL MAPS | PUBLIC FILINGS | YOUR OWN APIs

The MCP servers worth adding are often not the ones wrapping a paid API behind a token.
These five plug your agent into open, free data you can inspect end to end:
primary research, encyclopedic grounding, real maps, public filings, and any API you build yourself.
All open-source, no proprietary backend.

One honest thread runs through all of them: "free API" still means someone's usage policy, so the real work is respecting the rate limits, not finding a key.

1 FastAPI-MCP

github.com/tadata-org/fastapi_mcp

MIT | ★ ~12K

If your service is a FastAPI app, this exposes its endpoints as agent tools in two lines, preserving your schemas and your existing Depends() auth. The fastest way to let an agent call an API you already own, instead of hand-writing a wrapper per endpoint.

THE CATCH

It is FastAPI-specific, not a universal point-at-any-OpenAPI-URL converter, and its OAuth support is still labeled alpha, so treat the auth path as not yet hardened.

2 arXiv MCP

github.com/blazickjp/arxiv-mcp-server

Apache-2.0 | ★ ~3K

Search, fetch, and read arXiv papers, pulling the LaTeX source so equations survive, which lets a research agent work from primary sources rather than secondhand summaries.

THE CATCH

arXiv's API is free but meant for gentle use, so this is fine for interactive research and wrong for scraping the whole corpus. For bulk, arXiv points you at its S3 and OAI-PMH paths instead.

3 Wikipedia MCP

github.com/Rudra-Ravi/wikipedia-mcp

MIT | ★ ~1.1K

Structured access to Wikipedia through the open MediaWiki API: search, summaries, sections, and links. A solid free grounding source when you want the agent anchored to something citable.

THE CATCH

It is a smaller community project, so treat it as useful rather than battle-tested. Wikimedia asks for a descriptive User-Agent and reasonable request rates.
Set one and do not hammer it.

4 OpenStreetMap MCP

github.com/jagan-shanmugam/open-streetmap-mcp

MIT | ★ ~1.6K

Turns place names into coordinates and back, plus nearby-place and routing-style queries, using the free OpenStreetMap Nominatim API with no key at all.

THE CATCH

Nominatim's public endpoint has a strict usage policy, roughly one request per second with a required User-Agent. For anything heavier, self-host it or move to a paid geocoder. Free here does not mean unlimited.

5 SEC EDGAR MCP

github.com/stefanoamorelli/sec-edgar-mcp

AGPL-3.0 | ★ ~1.3K

Queries the SEC's EDGAR system for company filings, financials, and reported facts. All open US government data, so a finance agent can read the actual 10-K instead of a summary of it.

THE CATCH

Two flags. The license is AGPL-3.0, a strict copyleft, so read it before you build this into anything you ship. And EDGAR requires a User-Agent with your contact details and enforces fair-access limits. Worth remembering: a filing is data, not a recommendation, and neither the server nor the model turns it into one.

POWER YOUR AGENTS WITH OPEN DATA.
RESPECT THE RULES. STAY ETHICAL. STAY RED.

dailyredteam.io | linkedin.com/company/daily-red-team

From:
https://fortier-family.com/wiki/ - **Warnaud's Wiki**

Permanent link:
https://fortier-family.com/wiki/ai/mcp

Last update: **2026/09/06 15:41**