

samanhappy / mcphub Public

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samanhappy		fix: update PostgreSQL image to use pg17 version (#762) ✓	7105712 · 2 hours ago
.github		docs: update documentation guidelines for ...	2 weeks ago
articals		fix: replace hardcoded default admin passw...	last month
assets		fix: simplify server status labels in English a...	11 months ago
bin		Fix Windows startup error: Convert paths to...	6 months ago
docs		feat: enhance OAuth redirect URI handling ...	3 days ago
examples		fix: rename DATABASE_URL to DB_URL f...	3 months ago
frontend		fix: use query params for registry server ver...	yesterday
locales		feat: enable resetTimeoutOnProgress by d...	yesterday
scripts		feat: enhance configuration file handling an...	last year
src		fix: use query params for registry server ver...	yesterday
tests		feat: enable resetTimeoutOnProgress by d...	yesterday
.coveragerc		feat: add Jest testing framework and CI/CD...	10 months ago
.dockerignore		Add .git to .dockerignore to prevent Git files...	8 months ago
.env.example		feat(auth): integrate Better Auth for enhanc...	3 months ago
.eslintrc.json		feat: implement keep-alive functionality for ...	10 months ago
.gitignore		Feature: token aware text truncation before...	last month
.prettierrc		feat: integrate official mcp server registry (#...	6 months ago
AGENTS.md		feat: add configurable bearer auth header n...	3 weeks ago
Dockerfile		Install Firefox in full Docker image for Play...	last month
LICENSE		update readme for new features	last year
QWEN.md		Add prompt management functionality to M...	8 months ago
README.fr.md		fix: update documentation links to new dom...	last month
README.md		docs: update documentation guidelines for ...	2 weeks ago
README.zh.md		fix: update documentation links to new dom...	last month
docker-compose.db.yml		fix: update PostgreSQL image to use pg17 ...	2 hours ago
entrypoint.sh		Revert "Feat: Enhance package cache for s...	5 months ago
eslint.config.mjs		chore: update code structure for improved r...	2 months ago
		Add OAuth support for upstream MCP serv...	6 months ago

jest.config.cjs		
mcp_settings.json	feat: add built-in resource and prompt man...	last month
nginx.conf.example	feat: Refactor API URL handling and add b...	11 months ago
package.json	chore(deps): bump hono from 4.12.7 to 4.1...	2 weeks ago
pnpm-lock.yaml	chore(deps): bump hono from 4.12.7 to 4.1...	2 weeks ago
pnpm-workspace.yaml	feat: enhance JSON serialization safety & a...	9 months ago
servers.json	introduce market	last year
tsconfig.json	feat: enhance JSON serialization safety & a...	9 months ago
tsconfig.test.json	handle nullable fields like headers correctly...	3 weeks ago

README Apache-2.0 license

MCPHub: The Unified Hub for Model Context Protocol (MCP) Servers

English | [Français](#) | [中文版](#)

MCPHub makes it easy to manage and scale multiple MCP (Model Context Protocol) servers by organizing them into flexible Streamable HTTP (SSE) endpoints—supporting access to all servers, individual servers, or logical server groups.

MCP Hub Dashboard Welcome, admin [Logout](#)

- Dashboard
- Servers
- Groups
- Market
- Settings

Dashboard

Total Servers
4

Online Servers
4

Offline Servers
0

Connecting Servers
0

Recent Servers

SERVER NAME	STATUS	TOOLS	ENABLED
playwright	Online	21	✓
time-mcp	Online	6	✓
sequential-thinking	Online	1	✓
amap	Online	12	✓

Live Demo & Docs

- **Documentation:** docs.mcphub.app
- **Demo Environment:** demo.mcphub.app

Features

- **Centralized Management** - Monitor and control all MCP servers from a unified dashboard

- **Flexible Routing** - Access all servers, specific groups, or individual servers via HTTP/SSE
- **Granular Group Visibility** - Control Tool, Prompt, and Resource visibility independently for each server inside a group
- **Smart Routing** - AI-powered tool discovery using vector semantic search ([Learn more](#))
- **Hot-Swappable Config** - Add, remove, or update servers without downtime
- **OAuth 2.0 Support** - Both client and server modes for secure authentication ([Learn more](#))
- **Social Login** - Seamless GitHub and Google login support with Better Auth integration (requires Database Mode)
- **Database Mode** - Store configuration in PostgreSQL for production environments ([Learn more](#))
- **Docker-Ready** - Deploy instantly with containerized setup

Quick Start

Configuration

Create a `mcp_settings.json` file:

```
{
  "mcpServers": {
    "time": {
      "command": "npx",
      "args": ["-y", "time-mcp"]
    },
    "fetch": {
      "command": "uvx",
      "args": ["mcp-server-fetch"]
    }
  }
}
```

📖 See [Configuration Guide](#) for full options including OAuth, environment variables, and more.

Docker Deployment

```
# Run with custom config (recommended)
docker run -p 3000:3000 -v ./mcp_settings.json:/app/mcp_settings.json -v ./data:/app/data samanhappy/mcphub

# Or run with default settings
docker run -p 3000:3000 samanhappy/mcphub
```

Access Dashboard

Open `http://localhost:3000` and log in with username `admin`. On first launch, if no `ADMIN_PASSWORD` environment variable is set, a random password is generated and printed to the server logs. You can also pre-set the password:

```
# Docker: set admin password via environment variable
docker run -p 3000:3000 -e ADMIN_PASSWORD=your-secure-password samanhappy/mcphub
```

Tip: Change the admin password after first login for security.

Connect AI Clients

Connect AI clients (Claude Desktop, Cursor, etc.) via:

```
http://localhost:3000/mcp # All servers
http://localhost:3000/mcp/{group} # Specific group
http://localhost:3000/mcp/{server} # Specific server
```

```
http://localhost:3000/mcp/$smart # Smart routing
http://localhost:3000/mcp/$smart/{group} # Smart routing within group
```

Security note: MCP endpoints require authentication by default to prevent accidental exposure. To allow unauthenticated MCP access, disable **Enable Bearer Authentication** in the Keys section. **Skip Authentication** only affects dashboard login. Use only in trusted environments.

📖 See [API Reference](#) for detailed endpoint documentation.

Documentation

Topic	Description
Quick Start	Get started in 5 minutes
Configuration	MCP server configuration options
Database Mode	PostgreSQL setup for production
OAuth	OAuth 2.0 client and server setup
Smart Routing	AI-powered tool discovery
Docker Setup	Docker deployment guide

Local Development

```
git clone https://github.com/samanhappy/mcphub.git
cd mcphub
pnpm install
pnpm dev
```



For Windows users, start backend and frontend separately: `pnpm backend:dev`, `pnpm frontend:dev`

📖 See [Development Guide](#) for detailed setup instructions.

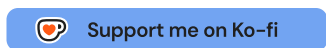
Tech Stack

- **Backend:** Node.js, Express, TypeScript
- **Frontend:** React, Vite, Tailwind CSS
- **Auth:** JWT & bcrypt
- **Protocol:** Model Context Protocol SDK

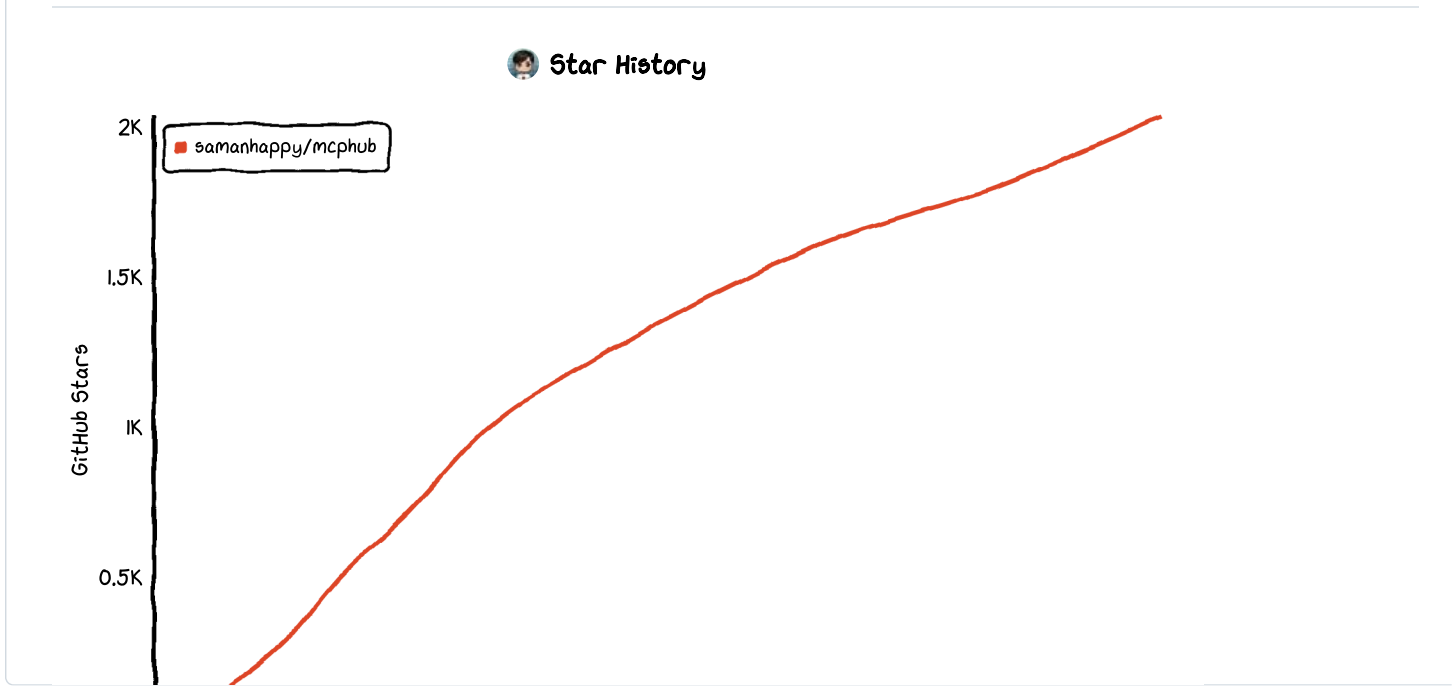
Contributing

Contributions welcome! See our [Discord community](#) for discussions and support.

Sponsor



Star History



Releases 92

v0.12.13 (Latest)
2 days ago

+ 91 releases

Sponsor this project

ko-fi.com/samanhappy

Packages

No packages published

Contributors 33



+ 19 contributors

Languages

