

samanhappy / mcphub Public

<> Code Issues 29 Pull requests 7 Actions Projects Security and quality Insights

main 38 Branches 91 Tags Go to file Go to file <> Code

dependabot[bot]	chore(deps): bump hono from 4.12.7 to 4.12.12 (#738)	ff01972 · last week
.github	docs: update documentation guidelines for ...	last week
articals	fix: replace hardcoded default admin passw...	3 weeks ago
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: add prompt and resource group visibili...	2 weeks ago
examples	fix: rename DATABASE_URL to DB_URL f...	3 months ago
frontend	feat: enhance button component with loadi...	2 weeks ago
locales	feat: add prompt and resource group visibili...	2 weeks ago
scripts	feat: enhance configuration file handling an...	last year
src	feat: enhance button component with loadi...	2 weeks ago
tests	feat: add prompt and resource group visibili...	2 weeks ago
.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...	2 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...	3 weeks ago
README.md	docs: update documentation guidelines for ...	last week
README.zh.md	fix: update documentation links to new dom...	3 weeks ago
docker-compose.db.yml	feat: update PostgreSQL images to pgvect...	4 months 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...	last week
pnpm-lock.yaml	chore(deps): bump hono from 4.12.7 to 4.1...	last week
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...	2 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

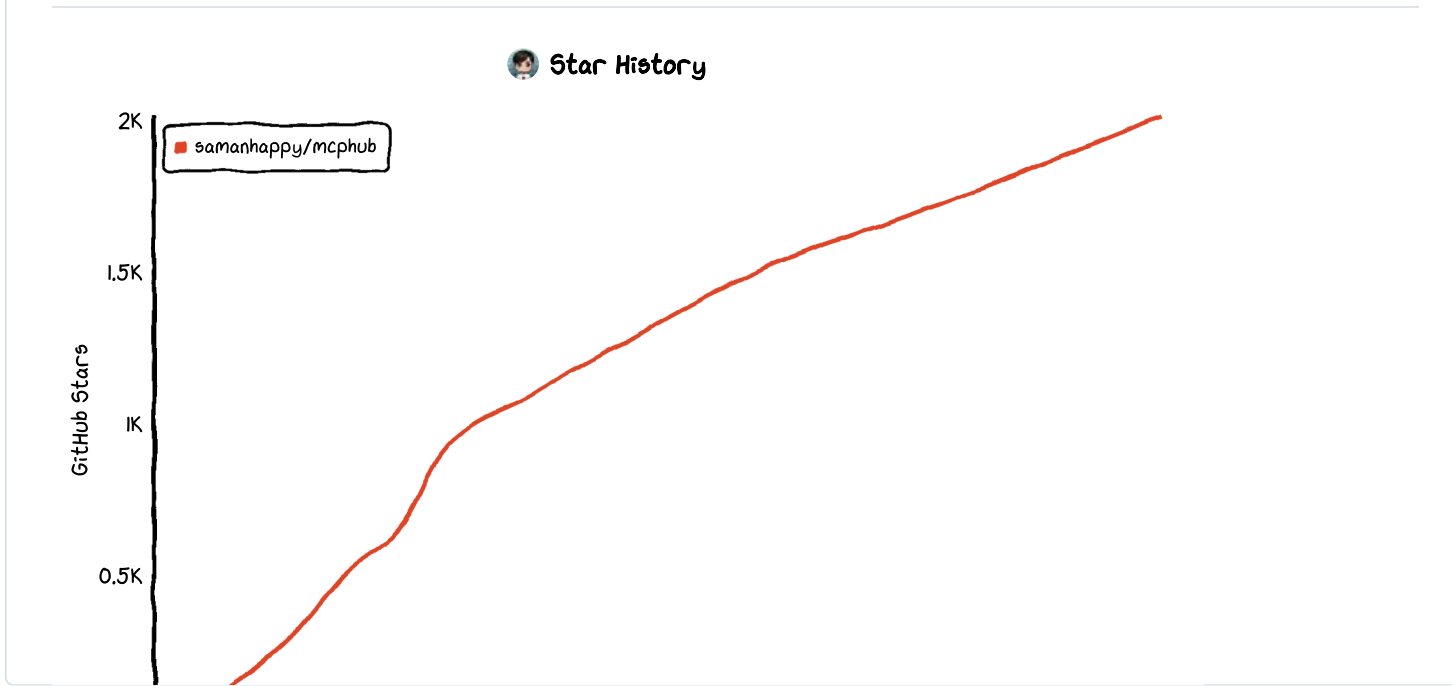
Contributions welcome! See our [Discord community](#) for discussions and support.

Sponsor



Support me on Ko-fi

Star History



Releases 91

v0.12.12 (Latest)
2 weeks ago

+ 90 releases

Sponsor this project

ko-fi.com/samanhappy

Packages

No packages published

Contributors 32



+ 18 contributors

Languages

