🤖 MCP Server Setup Checklist

> Comprehensive list of MCP servers to enable for the Hephaestus homelab

📊 Available MCP Servers in Catalog

Total available: **40 servers**

✅ Recommended MCP Servers by Category

🔥 Must-Have: Core Infrastructure (Priority 1)

- ☐ `github` - Repository management, code browsing, PR/Issues
- ☐ `dockerhub` - Container registry operations
- ☐ `git` - Git operations and automation
- ☐ `filesystem` - Local file system access
- ☐ `desktop-commander` - Run terminal commands via MCP

Enable command:

```
docker mcp server enable github dockerhub git filesystem desktop-commander
```

💾 Must-Have: Databases (Priority 1)

- ☐ `postgres` - PostgreSQL database operations
- ☐ `mongodb` - MongoDB NoSQL operations
- ☐ `redis` - Redis caching and data structures

Enable command:

```
docker mcp server enable postgres mongodb redis
```

📈 Must-Have: Monitoring & Observability (Priority 1)

- ☐ `grafana` - Metrics dashboards and queries

Enable command:

```
docker mcp server enable grafana
```

⚙️ Must-Have: DevOps & API Tools (Priority 2)

- ☐ `openapi` - OpenAPI/Swagger spec interaction
- ☐ `openapi-schema` - OpenAPI schema management
- ☐ `postman` - API testing and collections
- ☐ `mcp-api-gateway` - API gateway management
- ☐ `node-code-sandbox` - Run Node.js code in isolated environment

Enable command:

```
docker mcp server enable openapi openapi-schema postman mcp-api-gateway
node-code-sandbox
```

🌐 Must-Have: Web Automation & Scraping (Priority 2)

- ☐ `playwright` - Browser automation (for Magic Pages)
- ☐ `puppeteer` - Chrome automation and testing
- ☐ `firecrawl` - Web scraping and crawling
- ☐ `fetch` - HTTP requests and URL content fetching

Enable command:

```
docker mcp server enable playwright puppeteer firecrawl fetch
```

📝 Should-Have: Productivity & Documentation (Priority 3)

- ☐ `notion` - Notion workspace integration (if you use it)
- ☐ `obsidian` - Obsidian vault access (if you use it)
- ☐ `linear` - Linear project management (if you use it)
- ☐ `slack` - Slack workspace archives
- ☐ `markdownify` - HTML to Markdown conversion
- ☐ `context7` - Code documentation for LLMs

Enable command:

```
docker mcp server enable notion obsidian linear slack markdownify context7
```

💰 Should-Have: Payment & Business Tools (Priority 3)

- ☐ `stripe` - Stripe payment processing (for Magic Pages)
- ☐ `airtable-mcp-server` - Airtable database operations

Enable command:

```
docker mcp server enable stripe airtable-mcp-server
```

🧠 Should-Have: AI & Intelligence (Priority 3)

- ☐ `sequentialthinking` - Dynamic problem-solving through reflection
- ☐ `memory` - Persistent memory system for AI
- ☐ `wolfram-alpha` - Computational intelligence

Enable command:

```
docker mcp server enable sequentialthinking memory wolfram-alpha
```

🔍 Should-Have: Search & Research (Priority 3)

- ☐ `brave` - Brave Search API
- ☐ `tavily` - Web search optimized for AI
- ☐ `wikipedia-mcp` - Wikipedia content access
- ☐ `duckduckgo` - DuckDuckGo search

Enable command:

```
docker mcp server enable brave tavily wikipedia-mcp duckduckgo
```

📊 Nice-to-Have: Data & Communication (Priority 4)

- ☐ `mcp-discord` - Discord integration
- ☐ `youtube_transcript` - YouTube video transcripts
- ☐ `nasdaq-data-link` - Financial data (for CapitolScope)
- ☐ `time` - Time and timezone operations
- ☐ `apify-mcp-server` - Web scraping platform
- ☐ `google-maps` - Google Maps API

Enable command:

```
docker mcp server enable mcp-discord youtube_transcript nasdaq-data-link
time apify-mcp-server google-maps
```

🔧 Optional: Specialized Tools (Priority 5)

- ☐ `waystation` - Waystation integration

Enable command:

```
docker mcp server enable waystation
```

🚀 Quick Setup: Enable All Recommended Servers

Option 1: Enable Everything at Once

```
# All 40 servers
docker mcp server enable \
  github dockerhub git filesystem desktop-commander \
  postgres mongodb redis \
  grafana \
  openapi openapi-schema postman mcp-api-gateway node-code-sandbox \
  playwright puppeteer firecrawl fetch \
  notion obsidian linear slack markdownify context7 \
  stripe airtable-mcp-server \
  sequentialthinking memory wolfram-alpha \
  brave tavily wikipedia-mcp duckduckgo \
  mcp-discord youtube_transcript nasdaq-data-link time apify-mcp-server
google-maps \
  waystation
```

Option 2: Enable Just Essentials (Recommended Start)

```
# Core infrastructure + databases + monitoring (9 servers)
docker mcp server enable \
  github dockerhub git filesystem desktop-commander \
  postgres mongodb redis \
  grafana
```

Option 3: Enable by Priority

```
# Priority 1 (Core + Databases + Monitoring)
docker mcp server enable github dockerhub git filesystem desktop-commander
postgres mongodb redis grafana

# Priority 2 (DevOps + Web Automation)
docker mcp server enable openapi openapi-schema postman mcp-api-gateway
node-code-sandbox playwright puppeteer firecrawl fetch
```

```
# Priority 3 (Productivity + AI + Search)
docker mcp server enable notion linear slack markdownify context7 stripe
sequentialthinking memory wolfram-alpha brave tavily wikipedia-mcp

# Priority 4 (Data & Communication)
docker mcp server enable mcp-discord youtube_transcript nasdaq-data-link
time apify-mcp-server google-maps
```

📋 Management Commands

```
# List all available servers
docker mcp server list

# List enabled servers
docker mcp server list --json | jq -r '.[] | select(.enabled == true)'

# Disable a server
docker mcp server disable <server-name>

# Check server status
docker mcp server status <server-name>
```

🎯 Homelab-Specific Recommendations

For Magic Pages Project:

- ✅ `stripe` - Payment processing
- ✅ `playwright` / `puppeteer` - Browser automation
- ✅ `openapi` - API documentation
- ✅ `postgres` / `mongodb` - Database operations

For CapitolScope Project:

- ✅ `nasdaq-data-link` - Financial data
- ✅ `brave` / `tavily` - Research and search
- ✅ `youtube_transcript` - Content analysis

For General Homelab:

- ✅ `grafana` - Monitoring dashboards
- ✅ `dockerhub` - Container management
- ✅ `github` - Code repository access
- ✅ `filesystem` - Local file operations
- ✅ `desktop-commander` - System commands

🔗 Next Steps

1. **Enable core servers** using Priority 1 commands
2. **Configure authentication** for servers that need it (GitHub, Stripe, etc.)
3. **Test integration** with Cursor IDE
4. **Add to n8n** workflows as needed
5. **Document server configurations** in homelab docs

📚 Resources

- [Docker MCP Toolkit Docs](#)
- [MCP Protocol Spec](#)
- Homelab MCP Integration: `/home/chris/github/hephaestus-infra/docs/mcp/`

Last Updated: 2025-11-04
Status: Ready for implementation