All-in-MCP: A Comprehensive MCP Collection

FastMCP-based Model Context Protocol server providing paper search and more

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Why All-in-MCP?

Our Mission & Goals

Goal: Maintain a comprehensive collection of great MCP tools for specific tasks

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Our Approach:

- 🛠️ Some MCPs created by us (e.g., APaper academic research tools)

- 🌟 Some MCPs curated from the community (e.g., GitHub-Repo-MCP)

- 🔧 Unified proxy server with modular architecture

Our Mission & Goals

Problem We Solve:

- Scattered MCP tools across different repositories
- Difficulty discovering and integrating specialized MCPs
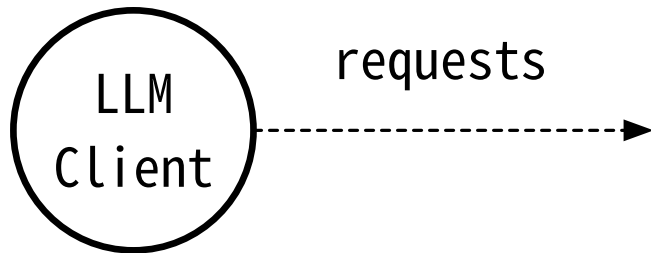
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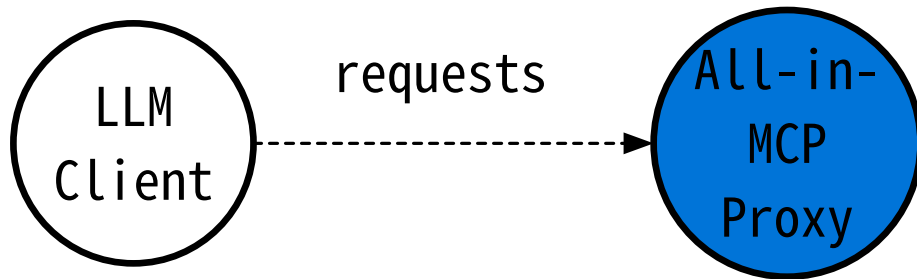**Result:** One-stop shop for curated, tested, and integrated MCP collections!

Architecture Overview

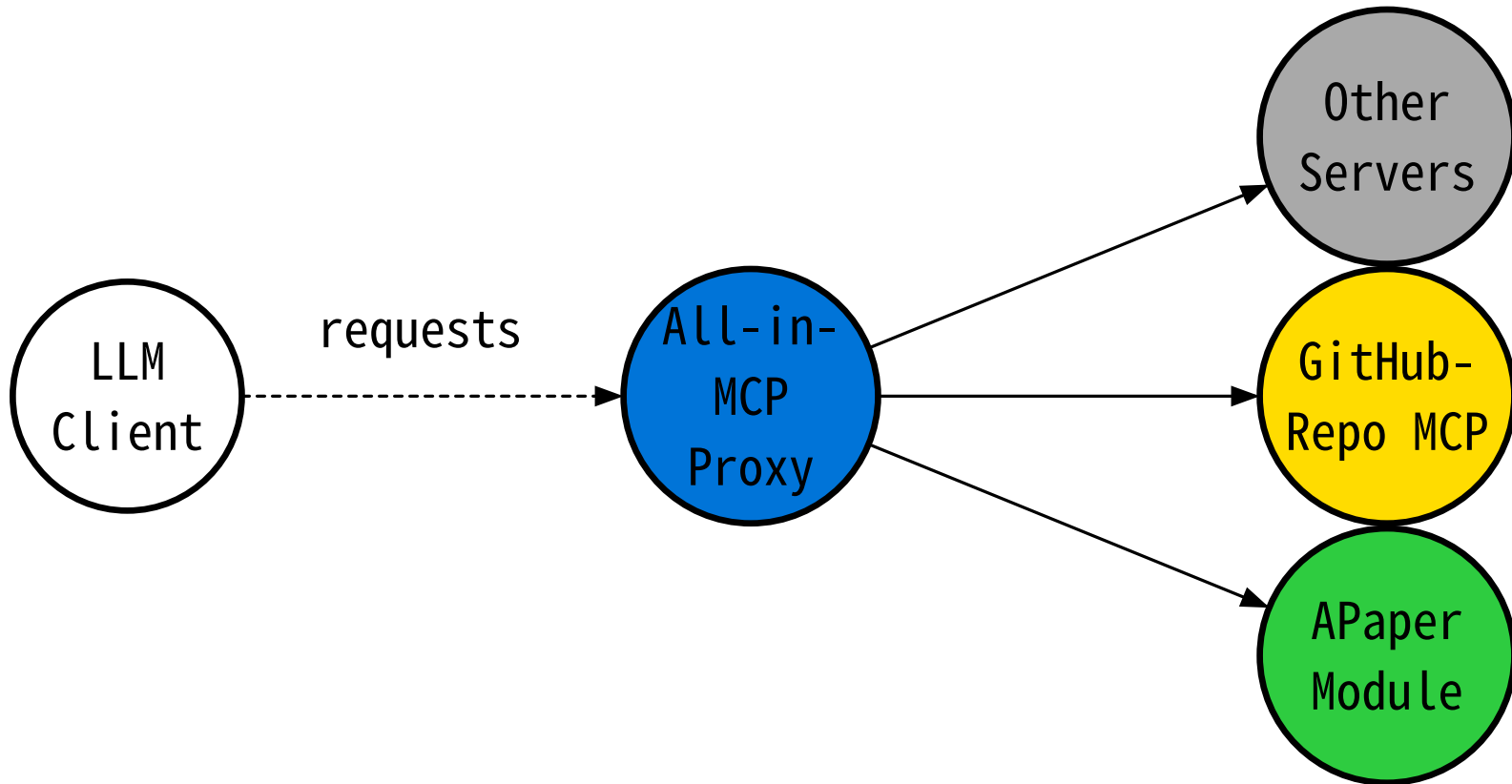# FastMCP Proxy Design

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Client

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FastMCP Proxy Design

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Simple Usage

One-Line Installation & Running

Installation & Run: Just use pipx - no complex setup required!

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```
# Install and run directly
pipx run all-in-mcp

# With specific tool modules enabled
APAPER=true GITHUB_REPO_MCP=true pipx run all-in-mcp
```

MCP Client Configuration

VSCode (.vscode/mcp.json)

```json
{
  "servers": {
    "all-in-mcp": {
      "command": "pipx", "args": ["run", "all-in-mcp"],
      "env": {"APAPER": "true", "GITHUB_REPO_MCP": "true"}
    }
  }
}
```

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Claude Code (.mcp.json)

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  "mcpServers": {
    "all-in-mcp": {
      "command": "pipx", "args": ["run", "all-in-mcp"],
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Development Journey

Key Milestones from CHANGELOG

v0.1.0 (June 2025): 🌱 Initial IACR paper tools and search functionality

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Evolution: From single-purpose IACR tools → comprehensive MCP collection

Future Plans

Vision & Community

More Great Tools:

- Expand beyond academic research

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Community Contributions:

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Awesome MCP Collections:

- Curate the best MCPs for specific workflows

Community Contributions:

- 🎯 **We welcome PRs!** If you have great MCP tools or ideas

Goal: Become the go-to hub for discovering, using, and contributing quality MCP tools! 🚀

Thanks Everyone

Enjoy *All-in-MCP* and happy Coding! 🎉

🔗 **Repository:** https://github.com/jiahaoxiang2000/all-in-mcp

Star ⭐ *the repo if you find it useful!*