



choieastsea / simple-openstack-mcp Public[Code](#) [Issues 1](#) [Pull requests](#) [Actions](#) [Projects](#) [Security and quality](#)[1 Branch](#) [0 Tags](#) [Code](#) ⋮ **choieastsea** docs: update README 767b2f4 · 9 months ago 

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simple-openstack-mcp

This is a `fastmcp`-based MCP server that allows an LLM to execute complex OpenStack commands for you in an environment where `openstack-cli` is runnable.

How To

OpenStack Configuration

The `openstack-cli` must be executable in the environment where this MCP server runs. Additionally, the authentication credentials for the target OpenStack cloud must be stored in `clouds.yaml`. Here is an example:

```
clouds:
  ...: # openstack_cloud_name
  auth:
    auth_url: ...
    username: ...
    password: ...
    project_id: ...
    project_name: ...
    user_domain_name: ...
  region_name: ...
  interface: "public"
  identity_api_version: 3
```



Connecting the MCP Tool

If you are using `Claude Desktop` or `VSCode Copilot`, add the following to your `claude_desktop_config.json`. You can add similar settings to other LLM clients you wish to use.

```
{
  "mcpServers": {
    "openstack": {
      "command": "uv",
      "args": [
        "--directory",
        "${REPOSITORY_ABS_PATH}/simple-openstack-mcp",
        "-m",
        "server"
      ]
    }
  }
}
```



If you don't have the repository cloned locally, you can also run it with `uvx`:

```
{
  "mcpServers": {
    "openstack": {
      "command": "uvx",
      "args": [
        "--from",
        "git+https://github.com/choieastsea/simple-openstack-mcp",
        "simple-openstack-mcp"
      ]
    }
  }
}
```



```
}  
}
```

Running the fastmcp Server locally

The following commands should run successfully from the repository directory:

```
> uv sync  
> uv run -m server
```



Contributors 2



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Languages

● Python 100.0%