

Connecting your Python MCP Server to Copilot Chat in Visual Studio Code

3 min read · Jun 20, 2025



Laurent Kubaski

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This article is part of my [MCP Explained](#) series.

I'm going to quickly explain how to add the most basic MCP Server in the Copilot Chat extension from Visual Studio Code: for more information see the [official documentation](#) or the thousands of other articles on that topic.

1. The MCP Server

Here is the most basic MCP Server you can build using [FastMCP 2.0](#):

```
from fastmcp import FastMCP

server = FastMCP("Demo")

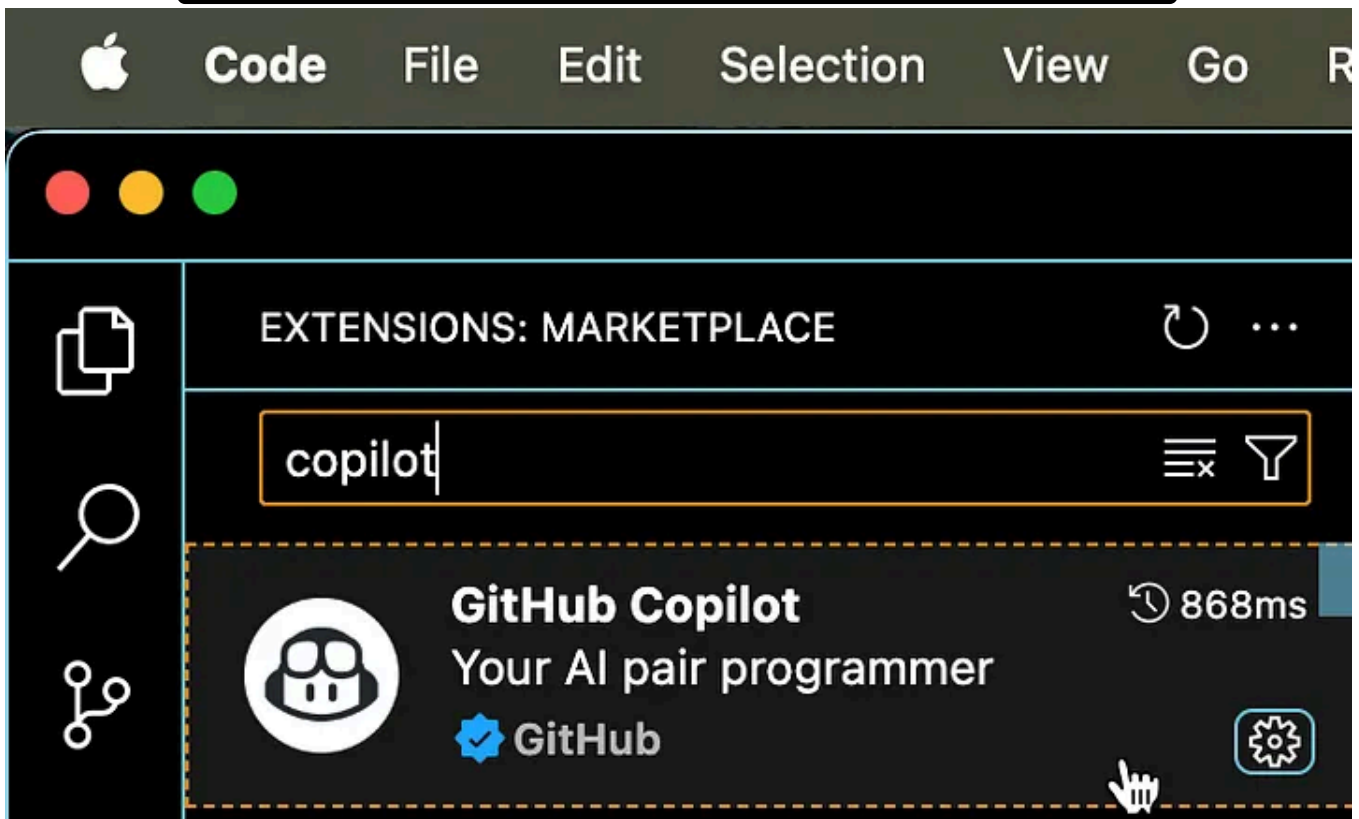
@server.tool()
async def greet_user(name:str) -> str:
    """
    A tool that returns a greeting message
    Args:
        name: The name of the person to greet.
    Returns:
        str: A greeting message for the given name.
    """
    return f"Hello {name}, how are you today?"

if __name__ == "__main__":
    server.run(transport="stdio")
```

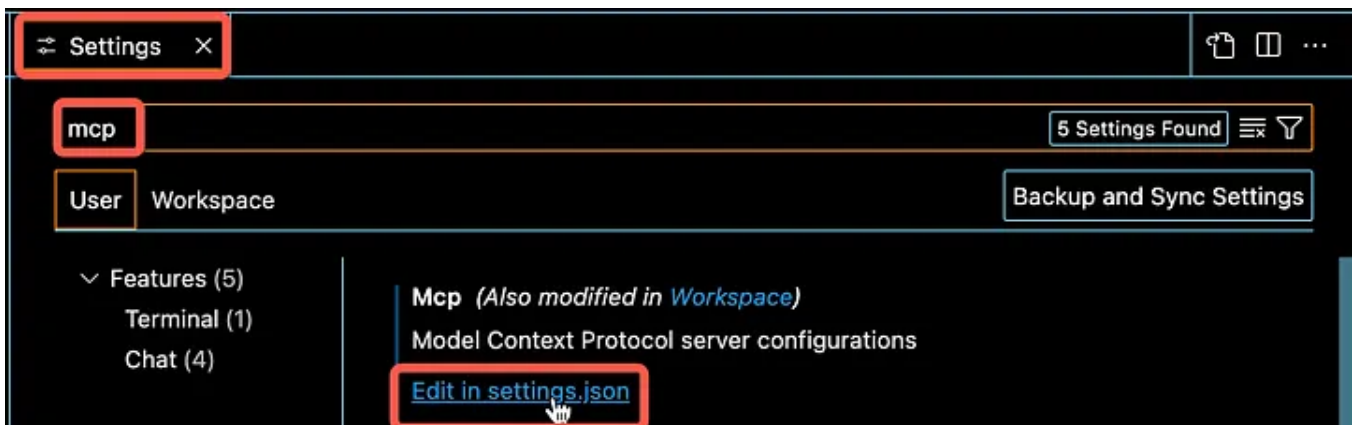
2. Connecting Visual Studio Code to the MCP Server

- Install

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- Edit the user settings file (see the [official doc](#) for alternatives)



- Add an “mcp” section that looks like this example below and save the file (obviously you need to replace the path I’ve used in my example with the path to your MCP server)

```
{  
  "workbench.colorTheme": "Default High Contrast",  
  "explorer.confirmPasteNative": false,  
  "editor.fontSize": 14,  
}
```

```
"python.createEnvironment.trigger": "off",
```

```
"ch
```

```
"mc
```

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```
simple_mcp_server": {
```

```
  "type": "stdio",
```

```
  "command": "python3",
```

```
  "args": ["/Users/lkubaski/Documents/src/ai/mcp/src/server/simple_mc
```

```
}
```

```
}
```

```
}
```

```
}
```

- Just above the name of the server, click the “start” link

3. Using the MCP Server

- At the bottom of the Copilot Chat window, make sure that “Agent” mode is selected, then click the tool icon:

- Make sure that the greet_user tool is enabled:

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- Ask “Show a greeting message”: thanks to the tool description (see the Python code above), Visual Studio Code understands that it needs to launch the greet-user tool and it asks for a confirmation.

- Click “Continue” and see the result:

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By the way, this result is actually **not** the one I was expecting: in the exact same scenario, Claude Desktop asks for the user name to be provided (see [Connecting your Python MCP Server to Claude Desktop](#)) but in this case, the Github Copilot agent just assumes that the user name is.... “User”.

4. Further Readings

- Official documentation: [Extending Copilot Chat with the Model Context Protocol \(MCP\)](#)
- Medium: [How to Set Up and Use VSCode MCP Server](#)
- [or any of the thousands of other articles on that topic]

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I'm a product manager at Salesforce, more info here: <https://kubaski.com/>


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
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