

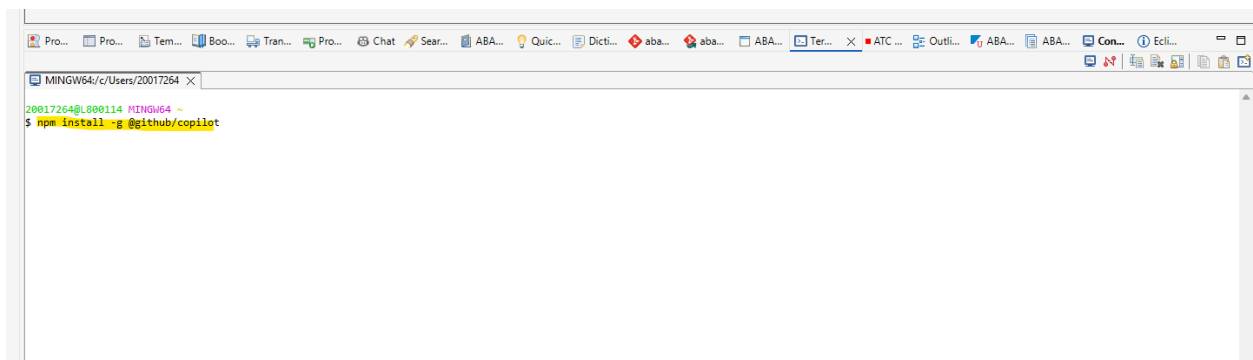
MCP servers configuration in Github Copilot and Claude Code

1. Installation of Github Copilot CLI / Github Copilot for Eclipse Add On / Claude Code
2. Installation of MCP servers
3. Configuration of MCP servers
4. Demo

1. Installation of Github Copilot CLI / Github Copilot for Eclipse / Claude Code

- Github Copilot CLI

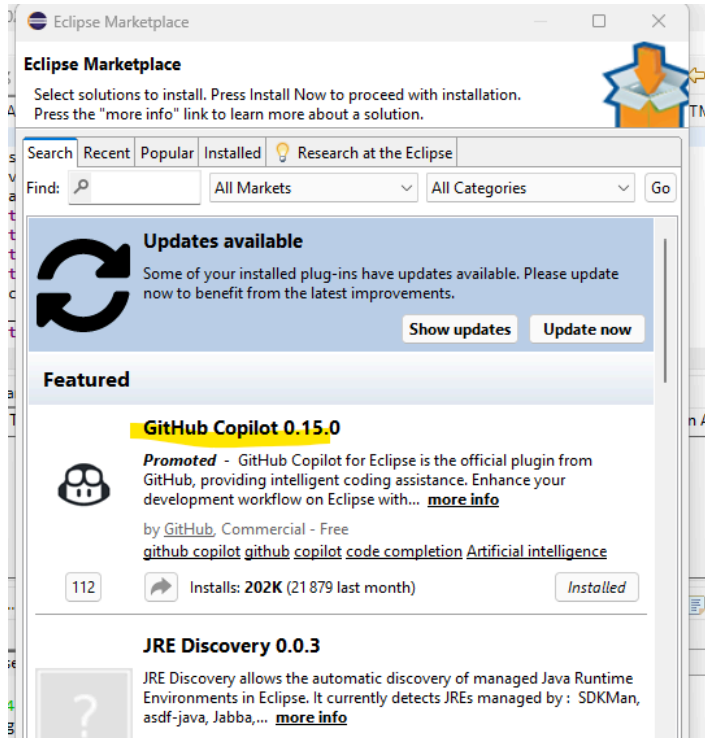
Launch Terminal in Eclipse or in your preferred IDE (even in BAS) and launch command `npm install -g @github/copilot` :



The image shows a screenshot of a terminal window within an IDE. The terminal title bar reads 'MINGW64/c:/Users/20017264'. The prompt is '20017264@L890114 MINGW64 ~'. The command 'npm install -g @github/copilot' has been entered and is highlighted in yellow. The terminal output is currently empty.

- Github Copilot for Eclipse Add On

In the Eclipse MarketPlace, search for Github Copilot AddOn, and download it :



- Claude Code

Launch Terminal in Eclipse or in your preferred IDE (even in BAS) and launch command : `curl -fsSL https://claude.ai/install.sh | bash`

Note : Deprecated command `npm install -g @anthropic-ai/claude-code` also works



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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
user: ~ $ curl -fsSL https://claude.ai/install.sh | bash
Setting up Claude Code...

✓ Claude Code successfully installed!

Version: 2.1.52

Location: ~/.local/bin/claude

Next: Run claude --help to get started

✓ Installation complete!

user: ~ $
```

3. Installation of MCP servers

We will use 3 MCP servers :

[mcp-sap-docs](#) & [abap-mcp-server](#) : From [Marian Zeis](#)
[vibing-steampunk](#) : From [Alice Vinogradova](#)

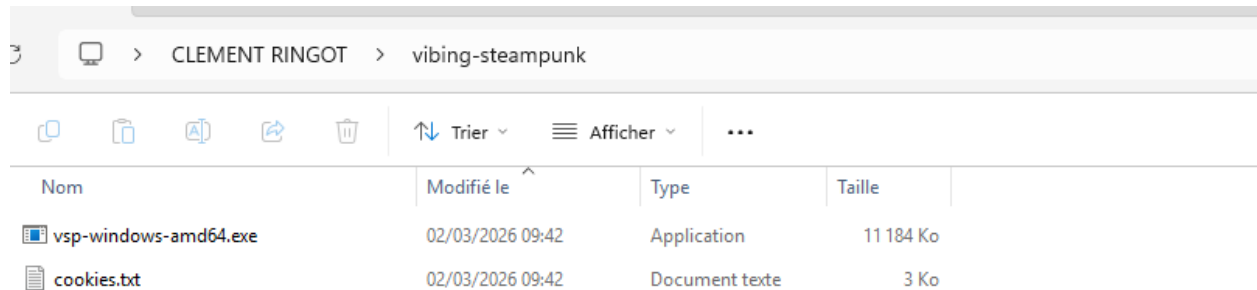
For [mcp-sap-docs](#) & [abap-mcp-server](#) no installation needed (we will configure this MCP later in the documentation)

[Vibing-steampunk](#) :

- Create new folder (for example /vibing-steampunk)
- Download latest version of the MCP here :
<https://github.com/oisee/vibing-steampunk/releases>

(for windows : vsp-windows-amd64.exe)

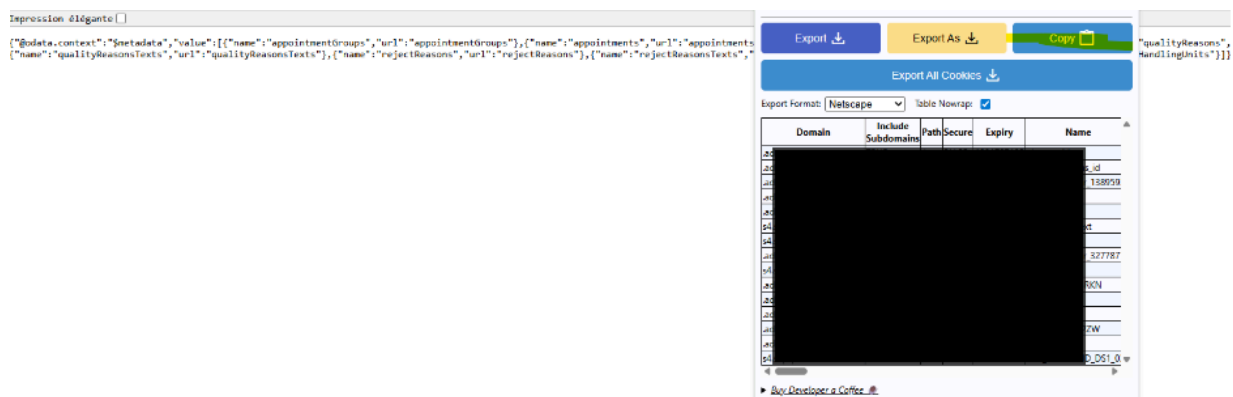
- In the folder created previously, put the .exe downloaded and create a new file cookies.txt

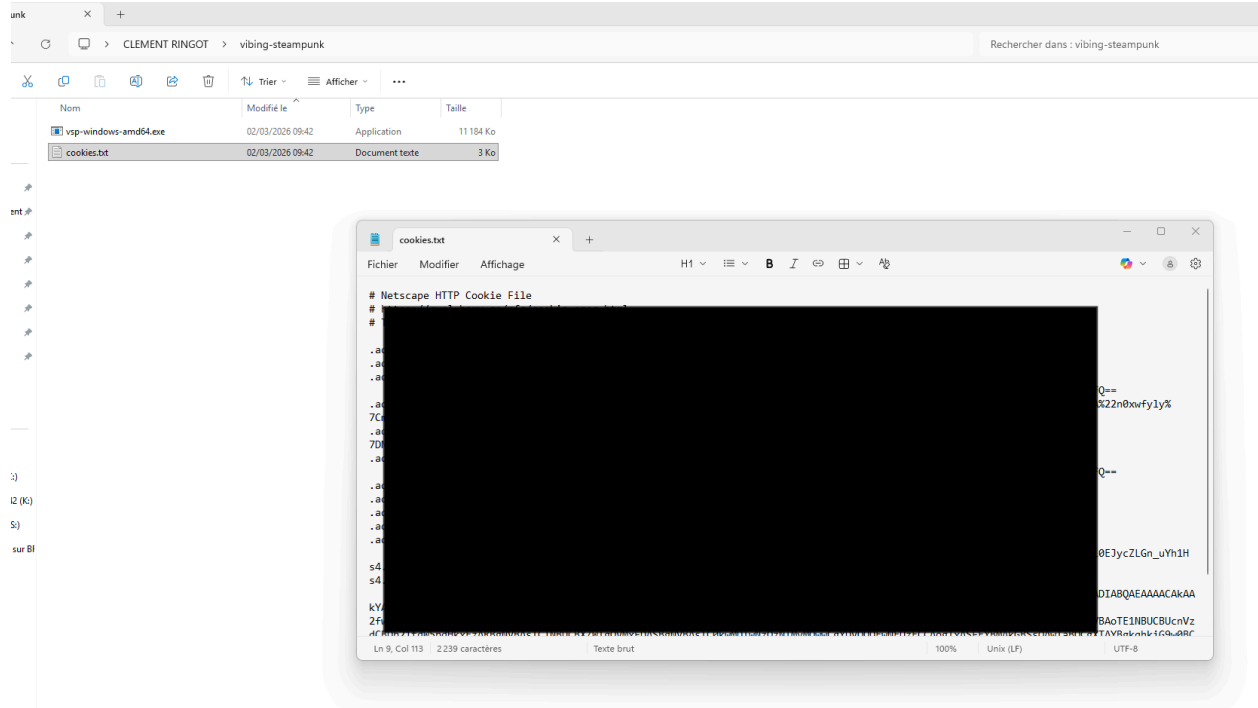


- Once the MCPs is installed - Go to Google Chrome and install extension <https://chromewebstore.google.com/detail/get-cookietxt-locally/cclEIndahbckbenkjhflpdbgdlldbecc>

This extension is a prerequisite for downloading cookies of your SAP System using SSO.

- Then on google chrome connect to your system using URL to your system
- Once your connected, copy/paste cookies in the new files you just created





- And save it

4. Configuration of MCPs

- In Github Copilot CLI :

Open file { home_path }/.copilot/mcp-config.json

And add following MCP :

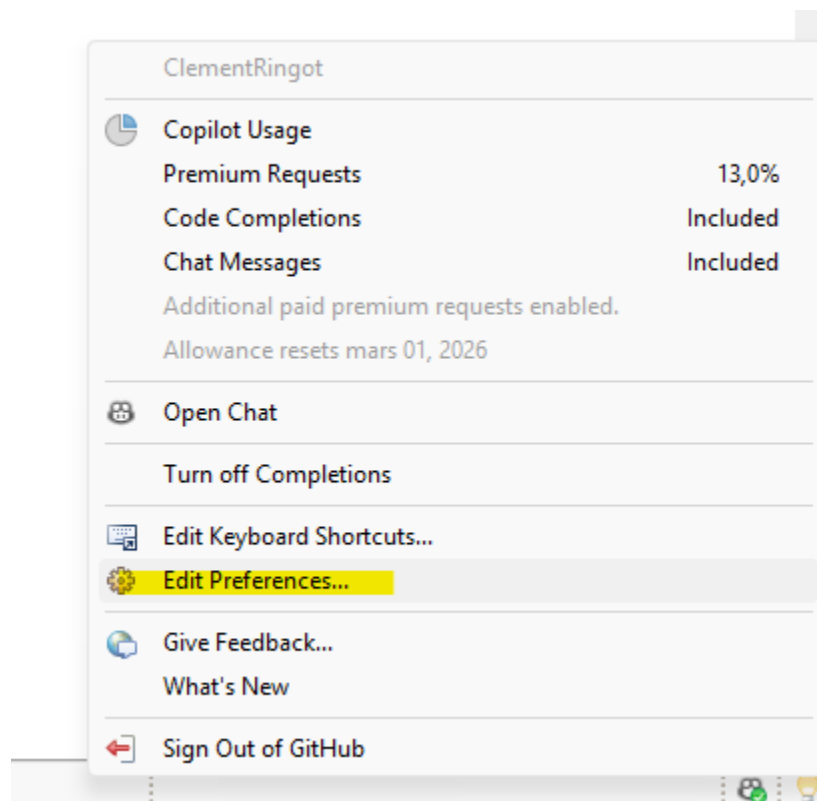
```
{
  "mcpServers": {
    "vibing-steampunk": {
      "type": "stdio",
      "command": "{your_path}\\vsp-windows-amd64.exe",
      "args": [],
      "env": {
        "SAP_URL": "{your_url_system}",
        "SAP_CLIENT": "{your_url_client}",
        "SAP_COOKIE_FILE": "{your_path}\\cookies.txt"
      }
    },
    "abap-mcp-server": {
```

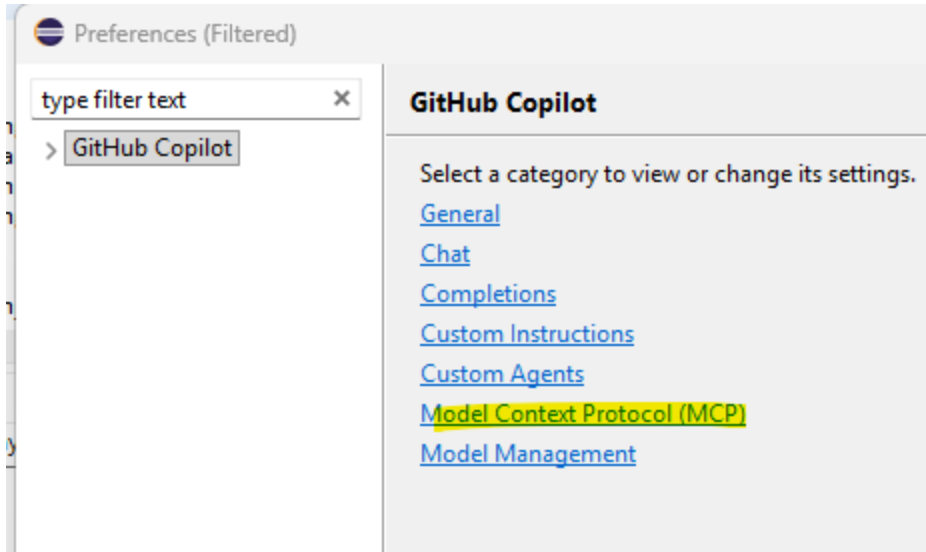
```
"type": "http",  
  "url": "https://mcp-abap.marianzeis.de/mcp"  
},  
"sap-docs": {  
  "type": "http",  
  "url": "https://mcp-sap-docs.marianzeis.de/mcp"  
}  
}  
}
```

More info here : <https://docs.github.com/en/copilot/how-tos/copilot-cli/use-copilot-cli>

- In Github Copilot for Eclipse Add On

Go to the settings





And add the list of MCP

```
{
  "servers": {
    "vibing-steampunk": {
      "type": "stdio",
      "command": "{your_path}\\vsp-windows-amd64.exe",
      "env": {
        "SAP_URL": "{your_url_system}",
        "SAP_CLIENT": "{your_url_client}",
        "SAP_COOKIE_FILE": "{your_path}\\cookies.txt"
      }
    },
    "abap-mcp-server": {
      "type": "http",
      "url": "https://mcp-abap.marianzeis.de/mcp"
    },
    "sap-docs": {
      "type": "http",
      "url": "https://mcp-sap-docs.marianzeis.de/mcp"
    }
  }
}
```

- In Claude Code :
Open file { home_path }/.claude.json

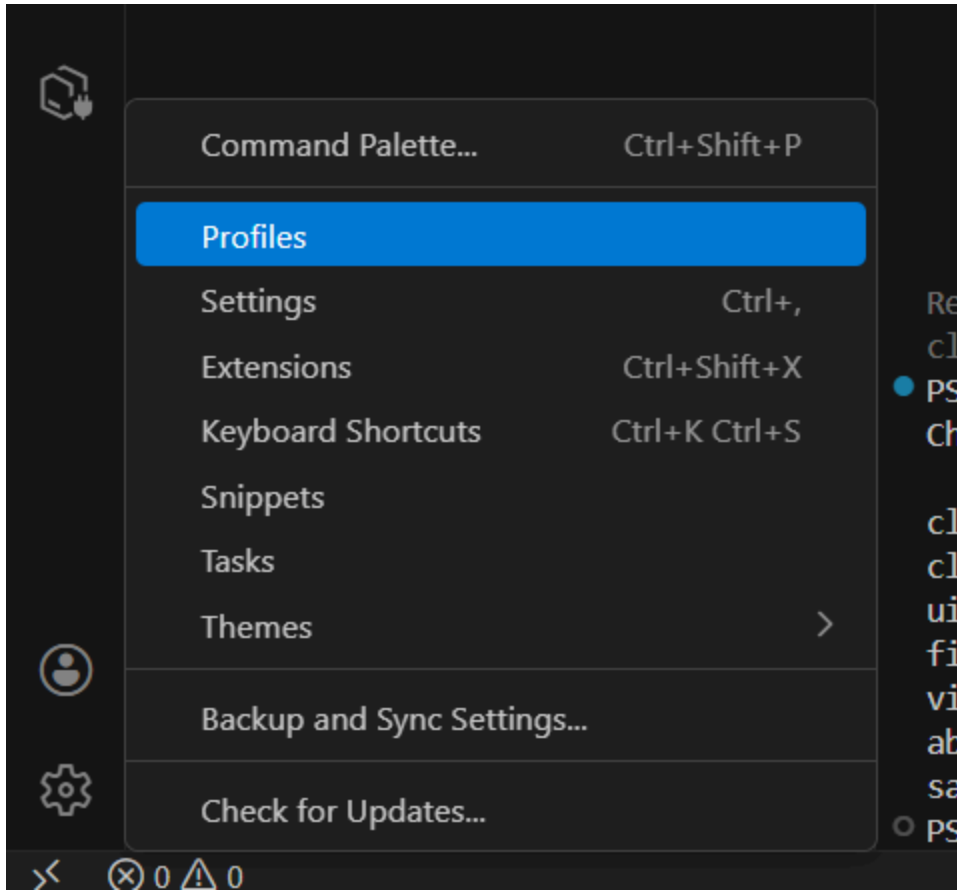
And add following config :

```
"mcpServers": {
  "vibing-steampunk": {
    "type": "stdio",
    "command": "{your_path}\\vsp-windows-amd64.exe",
    "env": {
      "SAP_URL": "{your_url_system}",
      "SAP_CLIENT": "{your_url_client}",
      "SAP_COOKIE_FILE": "{your_path}\\cookies.txt"
    }
  },
  "abap-mcp-server": {
    "type": "http",
    "url": "https://mcp-abap.marianzeis.de/mcp"
  },
  "sap-docs": {
    "type": "http",
    "url": "https://mcp-sap-docs.marianzeis.de/mcp"
  }
},
```

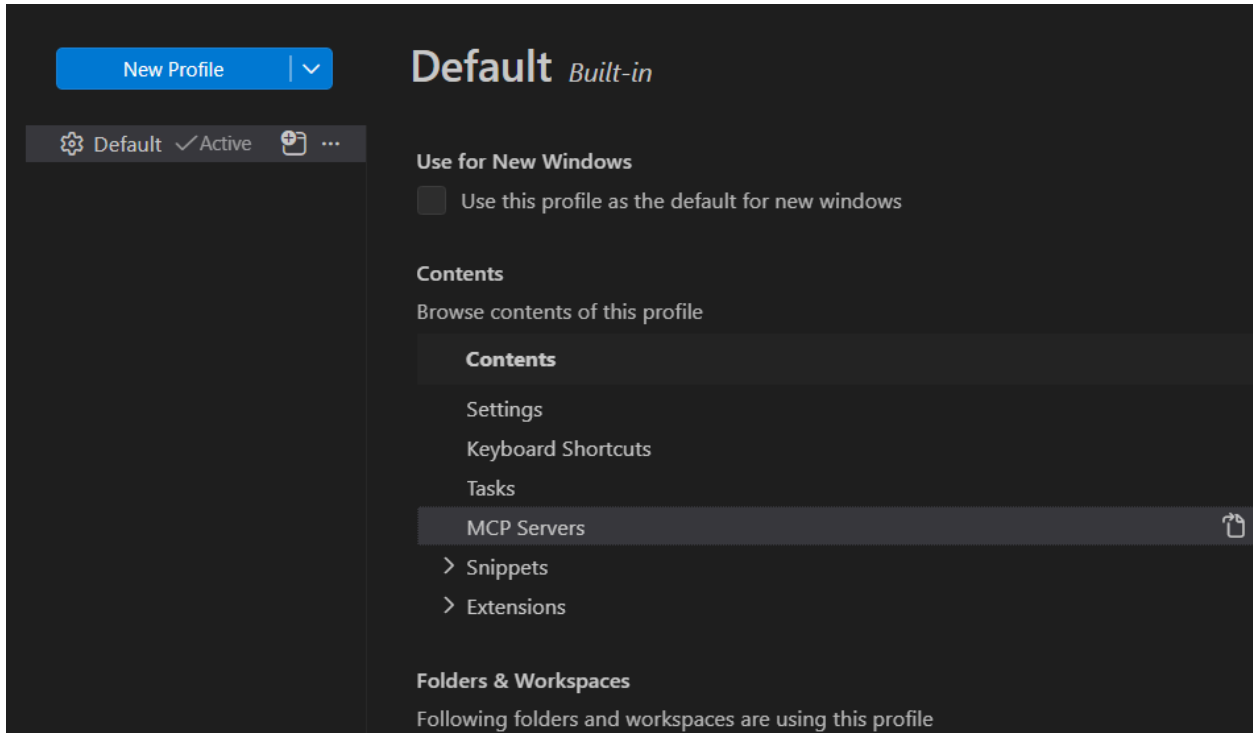
Find more info here : <https://code.claude.com/docs/en/mcp>

- Bonus In Copilot Chat in VSCode

Open profiles



MCP servers

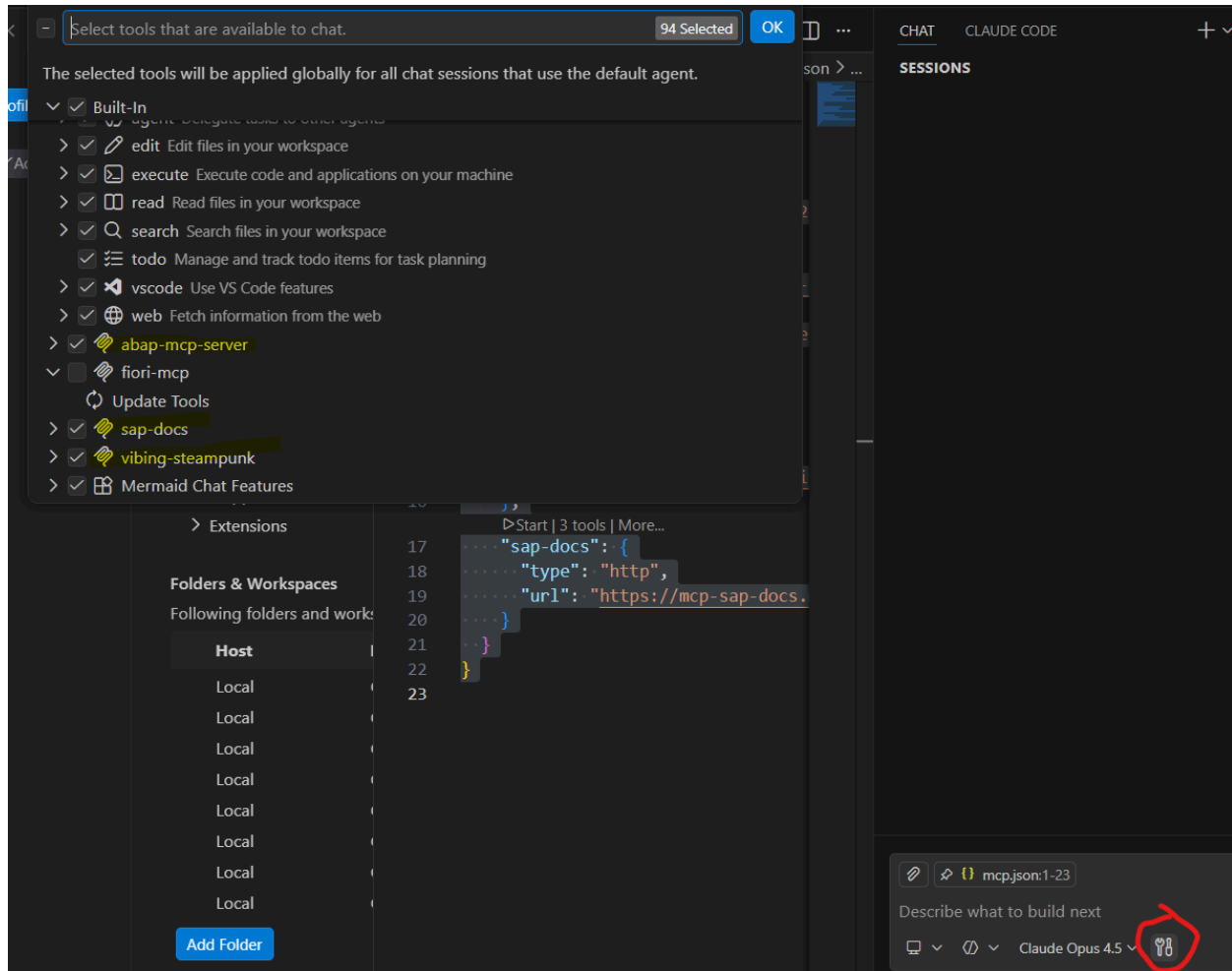


And add following configuration :

```
{
  "servers": {
    "vibing-steampunk": {
      "type": "stdio",
      "command": "{your_path}\\vsp-windows-amd64.exe",
      "args": [],
      "env": {
        "SAP_URL": "{your_system_url}",
        "SAP_CLIENT": "{your_client}",
        "SAP_COOKIE_FILE": "{your_path}\\cookies.txt"
      }
    },
    "abap-mcp-server": {
      "type": "http",
      "url": "https://mcp-abap.marianzeis.de/mcp"
    },
    "sap-docs": {
      "type": "http",
      "url": "https://mcp-sap-docs.marianzeis.de/mcp"
    }
  }
}
```



Now you can find MCPs



References :

<https://code.visualstudio.com/docs/copilot/customization/mcp-servers>

<https://docs.github.com/en/copilot/how-tos/provide-context/use-mcp/extend-copilot-chat-with-mcp>

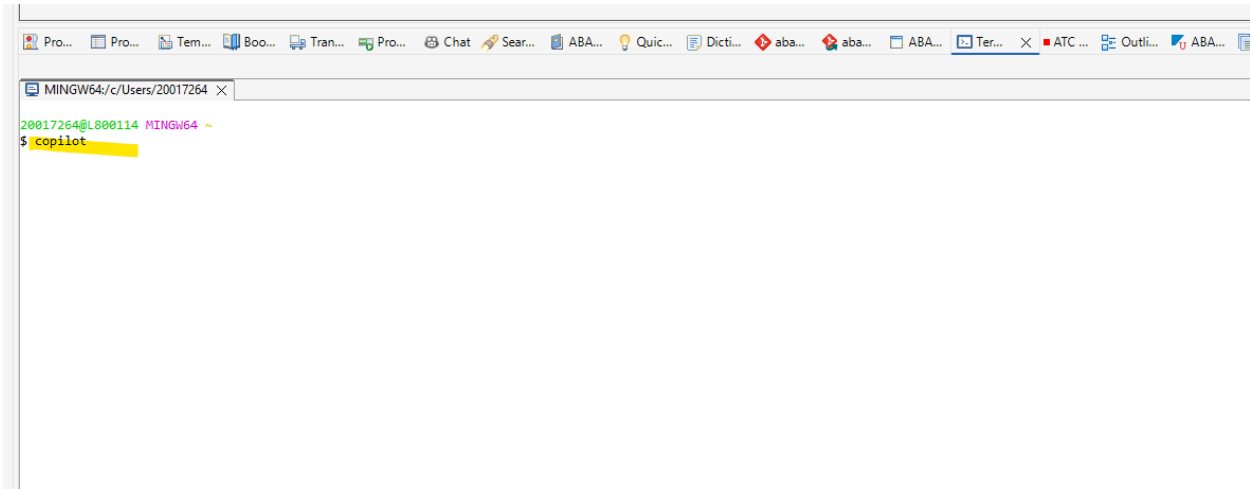
- For MCP configuration in BAS you can take a look here :

<https://community.sap.com/t5/technology-blog-posts-by-members/don-t-wait-for-sap-unlocking-mcp-servers-in-bas-right-now/ba-p/14279283>

5. Demo

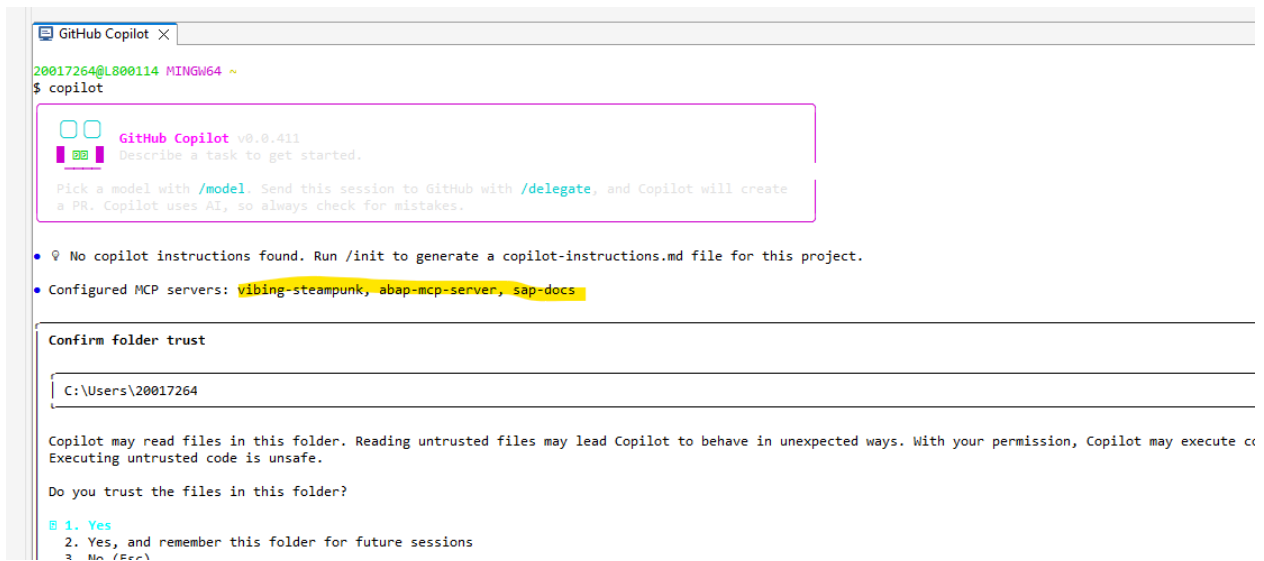
- Github Copilot CLI

In the terminal, launch command *copilot*



```
MINGW64/c/Users/20017264 >
20017264@L800114 MINGW64 ~
$ copilot
```

You'll see your configured MCPs



```
GitHub Copilot x
20017264@L800114 MINGW64 ~
$ copilot

GitHub Copilot v0.0.411
Describe a task to get started.

Pick a model with /model. Send this session to GitHub with /delegate, and Copilot will create a PR. Copilot uses AI, so always check for mistakes.

• No copilot instructions found. Run /init to generate a copilot-instructions.md file for this project.
• Configured MCP servers: vibing-steampunk, abap-mcp-server, sap-docs

Confirm folder trust

C:\Users\20017264

Copilot may read files in this folder. Reading untrusted files may lead Copilot to behave in unexpected ways. With your permission, Copilot may execute code. Executing untrusted code is unsafe.

Do you trust the files in this folder?

1. Yes
2. Yes, and remember this folder for future sessions
3. No (Esc)
```

Prompt your question or instruction (explain/create or something you want to do)

- READ


```
The user wants to create a new CDS view named ZCRT_TEST_CDS_COP instead. Let me create this new object.
• WriteSource: Test CDS - Product
  L ("success":true,"objectType":"DDL5","objectName":"ZCRT_TEST_CDS COP","objectU...
• ZCRT_TEST_CDS_COP créée et activée avec succès dans $TMP. Le warning est sans impact (héritage du search help non propagé depuis I_Product).
```

Then in ADT you can see the CDS :

The screenshot shows the SAP ADT interface. The top pane displays the CDS view definition for ZCRT_TEST_CDS_COP:

```
1 @AbapCatalog.viewEnhancementCategory: [#NONE]
2 @AccessControl.authorizationCheck: #NOT_REQUIRED
3 @EndUserText.label: 'Test CDS - Product'
4 define view entity ZCRT_TEST_CDS_COP as select from I_Product
5 {
6   key Product
7 }
8
```

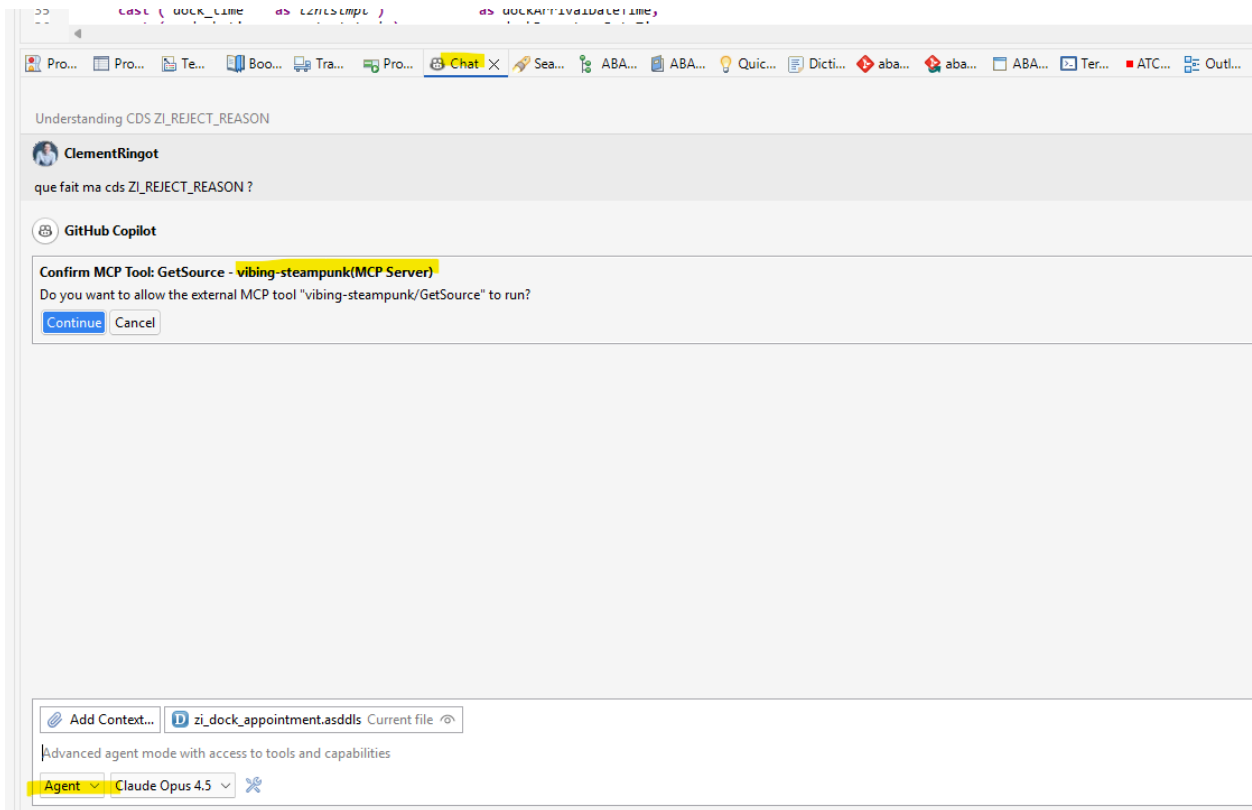
The middle pane shows the 'ABAP Type Hierarchy' dialog box with the instruction: 'To display the ABAP Type Hierarchy, select an ABAP type (for example in Project Explorer or in an editor) and select 'Open ABAP Type Hierarchy''.

The bottom pane shows a chat window titled 'Expliquer CDS ZI_REJECT_REASON' with the following content:

```
Let me try to update it with the correct content.
• WriteSource
  L {"success":false,"objectType":"DDL5","objectName":"ZTEST_CDS","objectUpl":"s...
  E The system is still returning the same error, even though my source has 'ZTEST_CDS' as the entity name. This is strange. The error says "Name of entity ZTEST_FLIGHT_CDS and DDL source ZTEST_
  be identical".
  It seems the existing source in the system still has 'ZTEST_FLIGHT_CDS'. Perhaps the system caches it or it's locked. Let me try using EditSource to replace the entire content, first locking
  Actually, let me try a different approach - use EditSource to replace the old entity name with the content I need. But first I need to lock it.
• LockObject
  E The user wants to create a new CDS view named ZCRT_TEST_CDS_COP instead. Let me create this new object.
• WriteSource: Test CDS - Product
  L ("success":true,"objectType":"DDL5","objectName":"ZCRT_TEST_CDS COP","objectU...
• ZCRT_TEST_CDS_COP créée et activée avec succès dans $TMP. Le warning est sans impact (héritage du search help non propagé depuis I_Product).
```

- In Github Copilot for Eclipse

Put you in Agent Mode & Prompt



- In Claude Code : Take a look here
<https://abapeur.fr/en/vibe-coding-in-abap-whats-new/>
Section ***Using MCPs with Claude Code***