



Model Context Protocol

A protocol for seamless integration between LLM applications and external data sources

The Model Context Protocol (MCP) is an open protocol that enables seamless integration between LLM applications and external data sources and tools. Whether you're building an AI-powered IDE, enhancing a chat interface, or creating custom AI workflows, MCP provides a standardized way to connect LLMs with the context they need.

Filesystem MCP Server

<https://github.com/modelcontextprotocol/servers/tree/main/src/filesystem>

Node.js server implementing Model Context Protocol (MCP) for filesystem operations.

Features

- Read/write files
- Create/list/delete directories
- Move files/directories
- Search files
- Get file metadata

Software:

node-v22.14.0-x64

Claude-Setup-x64

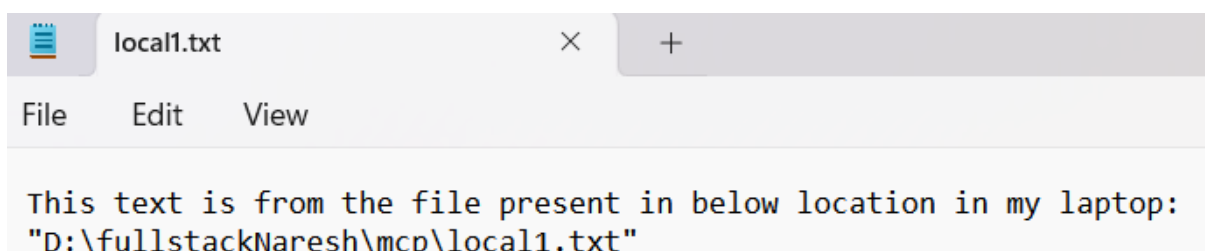
File system:

Create folder – mcp in local system

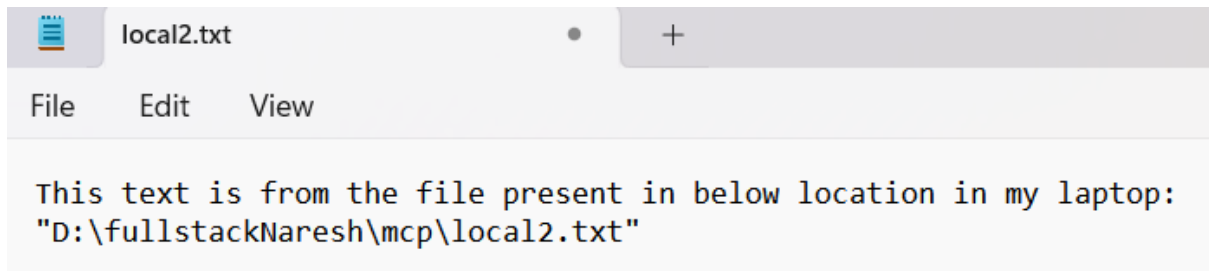
Create few files as you wish

Example:

"D:\fullstackNaresh\mcp\local1.txt"



"D:\fullstackNaresh\mcp\local2.txt"

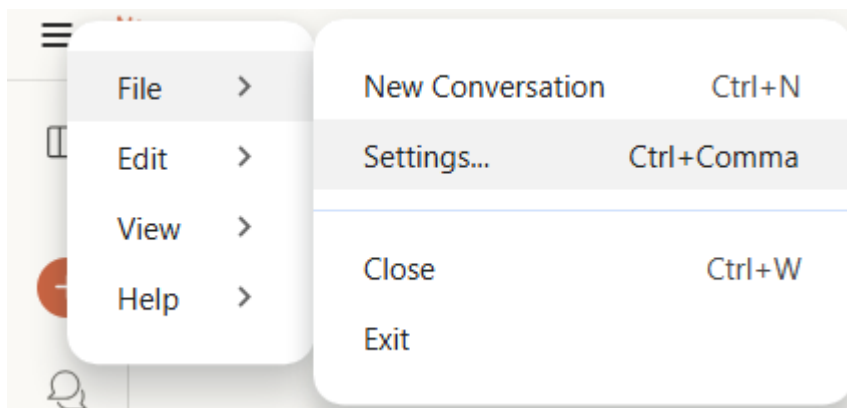


Install the software Claude-Setup-x64.exe and node-v22.14.0-x64.exe

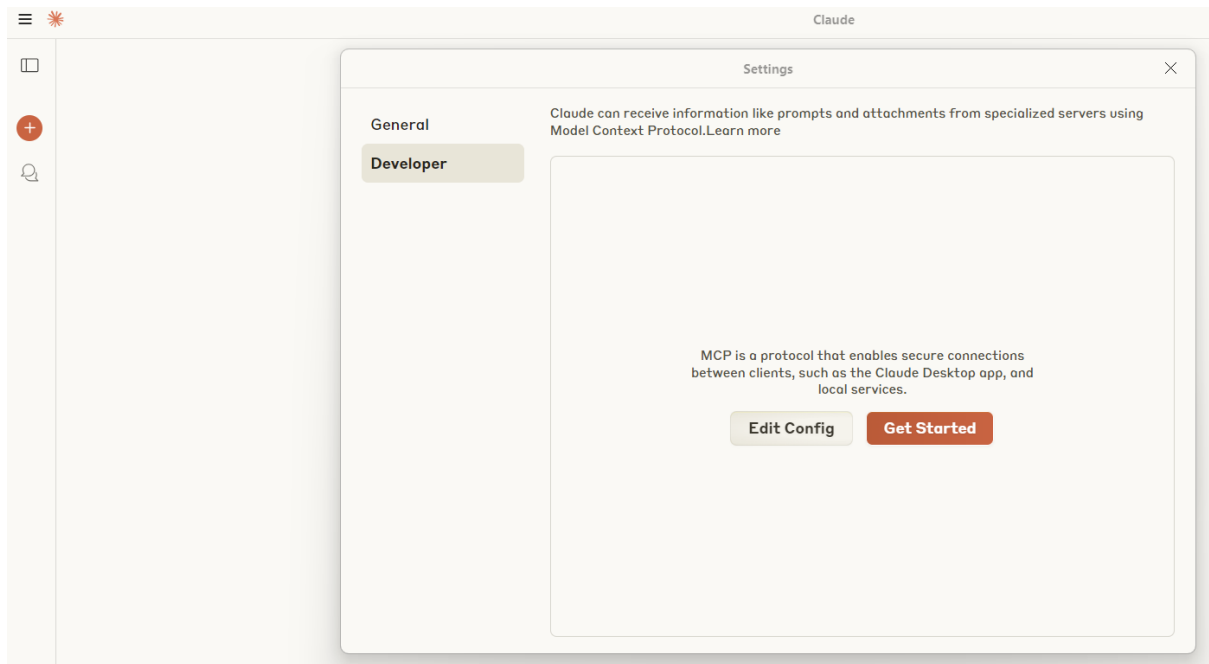
Post installation you will see the Claude icon in the desktop



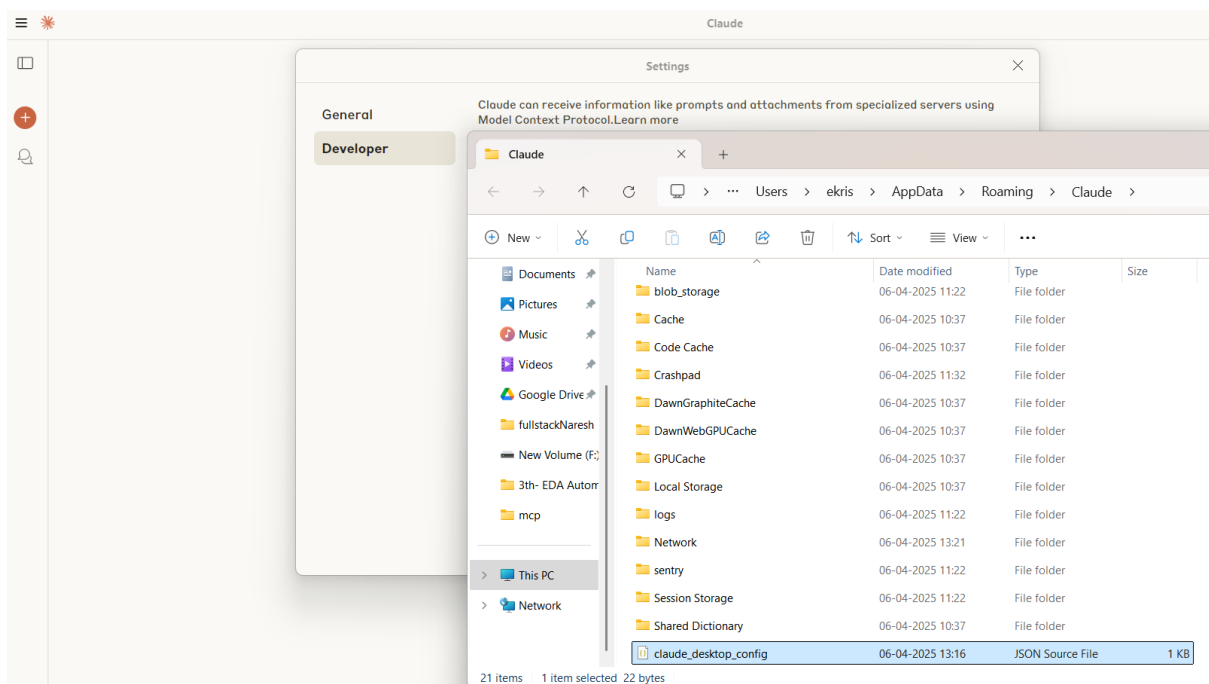
Click on it and open it , Goto File > Settings



Select Developer on the pop up



Click on Edit Config



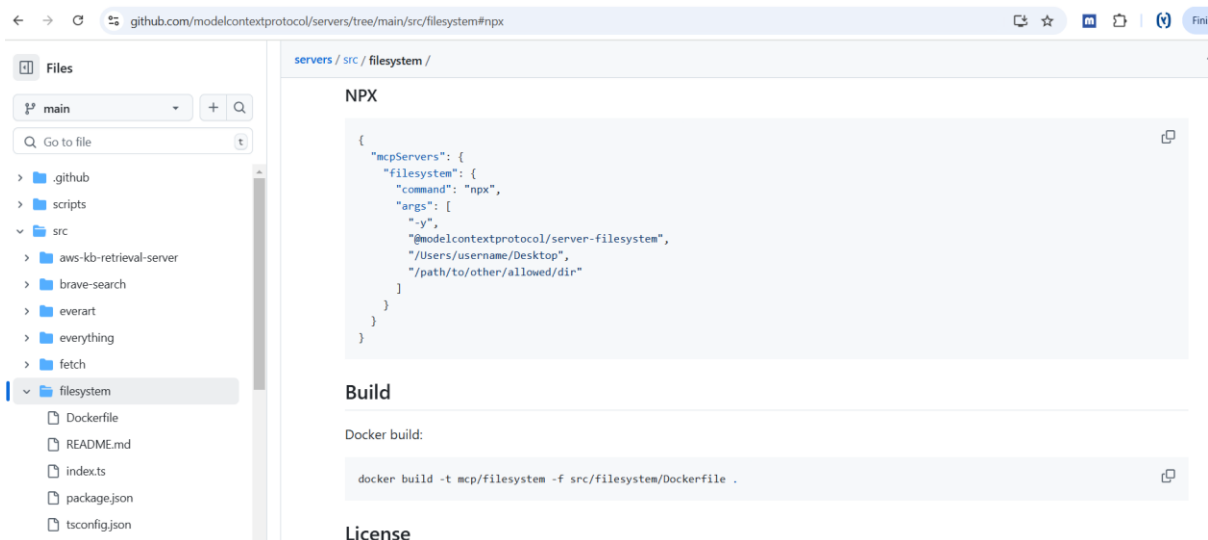
Open the "C:\Users\ekris\AppData\Roaming\Claude\claude_desktop_config.json"

The file will be open in vs code

Goto

<https://github.com/modelcontextprotocol/servers/tree/main/src/filesystem>

<https://github.com/modelcontextprotocol/servers/tree/main/src/filesystem#npv>



Copy the npx and paste into the `claude_desktop_config.json`



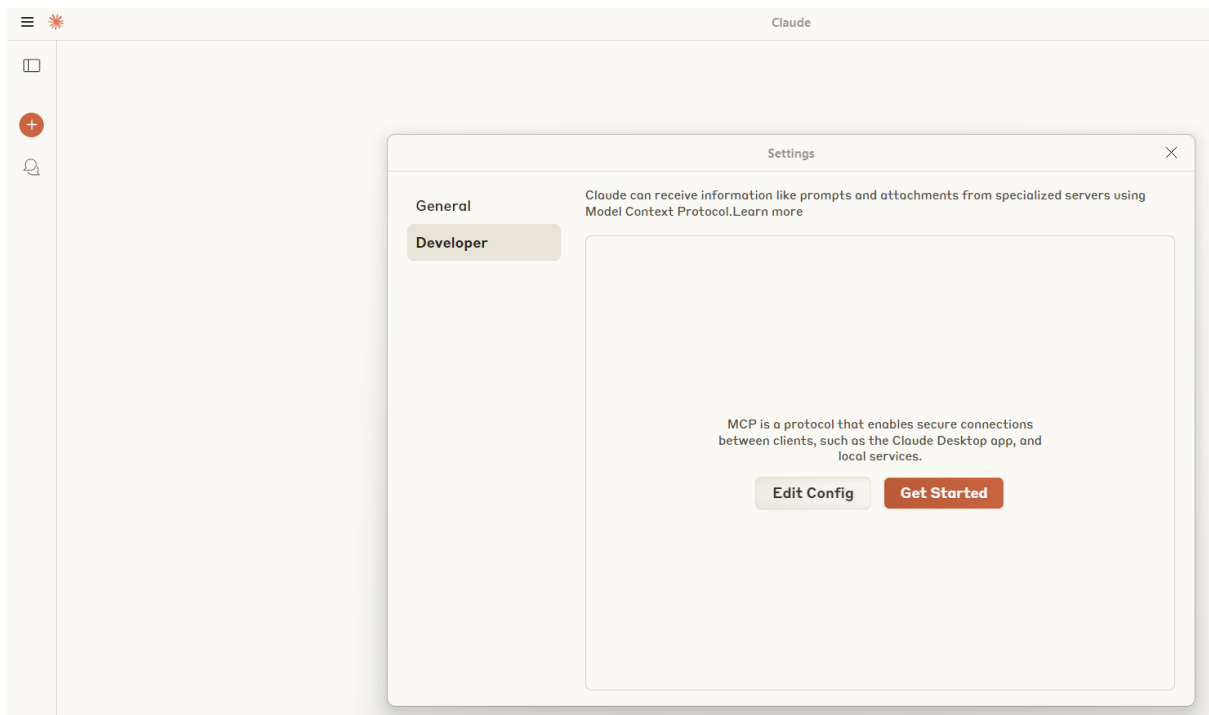
Change the line 8 & 9 number to point to your local file system where files are created



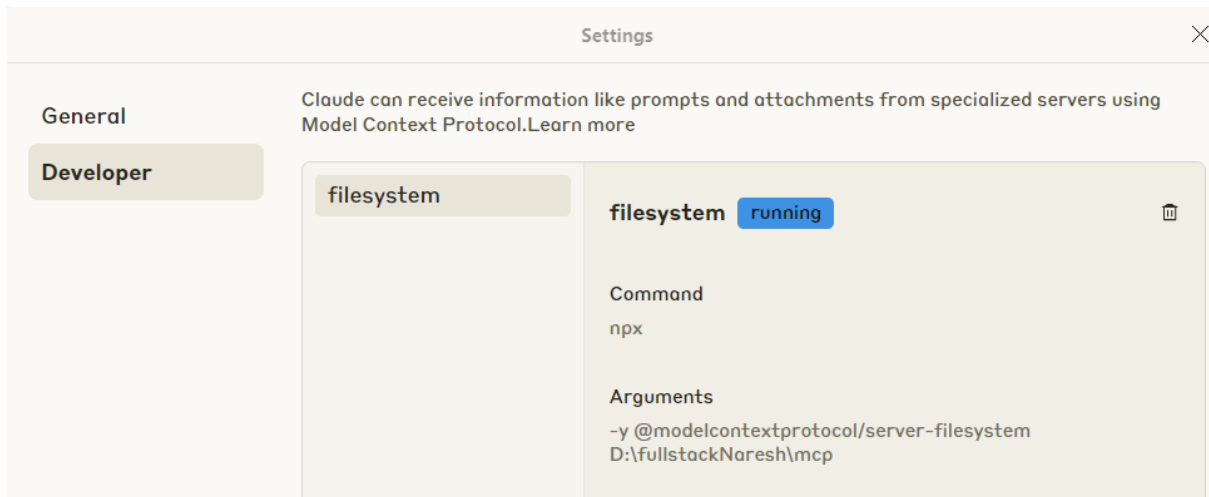
```
{
  "mcpServers": {
    "filesystem": {
      "command": "npx",
      "args": [
        "-y",
        "@modelcontextprotocol/server-filesystem",
        "D:\\fullstackNaresh\\mcp"
      ]
    }
  }
}
```

Goto `claude > File > Settings > Developer` and click on `Edit Config` and select the `claude_desktop_config.json`

`"C:\\Users\\ekris\\AppData\\Roaming\\Claude\\claude_desktop_config.json"`

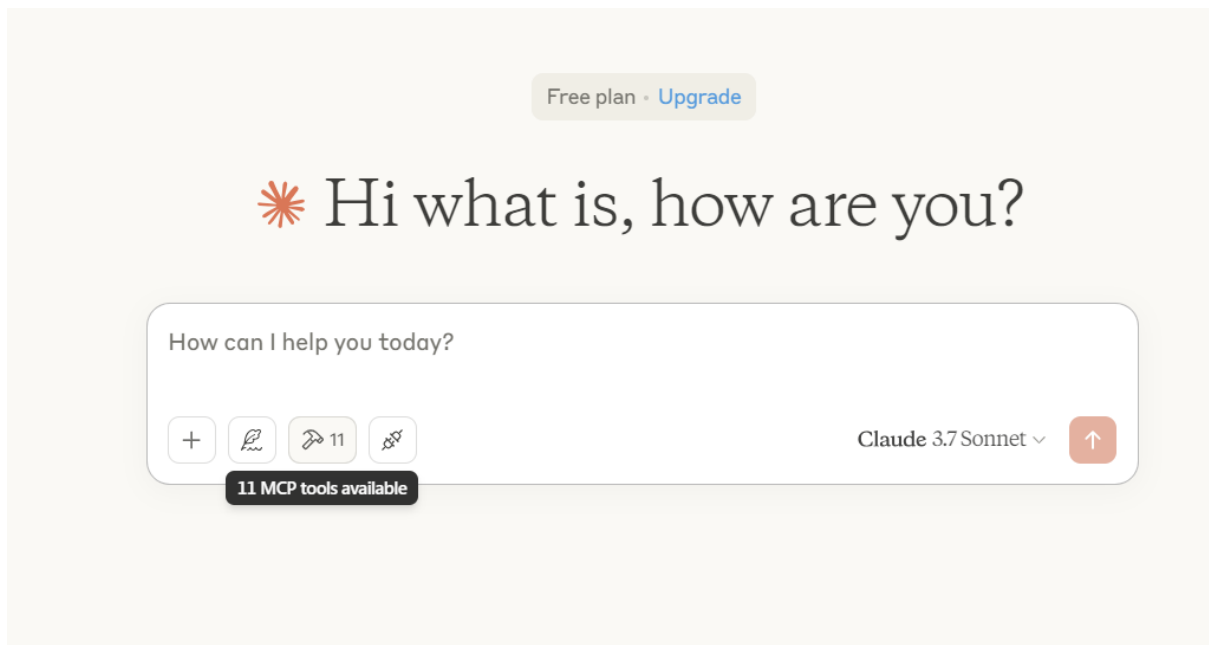


Restart the Claude and go to `Claude > File > Settings > Developer` to confirm the connection with **Filesystem MCP Server**



Note: If you get any issue please install the software node-v22.14.0-x64.exe and check again.

So filesystem



You should see the hammer symbol that all the steps are correct .

Now ask question related to the file created

Input/output:

W what is content of local1.txt file and when it is created at which location

I'll help you find information about the local1.txt file. Let me check what files are available in the allowed directories first.

View result from **list_allowed_directories** from **filesystem** (local) >

Now I'll search for the local1.txt file in the allowed directory:

View result from **search_files** from **filesystem** (local) >

I found the local1.txt file. Let me check its contents and get information about when it was created:

View result from **read_file** from **filesystem** (local) >

View result from **get_file_info** from **filesystem** (local) >

The local1.txt file contains:

 Copy

```
This text is from the file present in below location in my laptop:  
"D:\fullstackNaresh\mcp\local1.txt"
```

File information:

- Location: D:\fullstackNaresh\mcp\local1.txt
- Created: Sunday, April 06, 2025 at 13:10:36 (IST)

Reply to Claude...



11



Claude 3.7 Sonnet ▾

