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**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.**

**GitHub MCP Server**

MCP Server for the GitHub API, enabling file operations, repository management, search functionality, and more.

**Features**

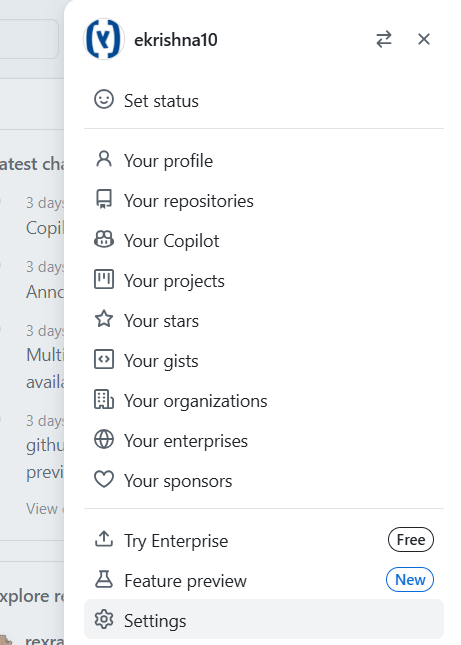
* Automatic Branch Creation: When creating/updating files or pushing changes, branches are automatically created if they don't exist
* Comprehensive Error Handling: Clear error messages for common issues
* Git History Preservation: Operations maintain proper Git history without force pushing
* Batch Operations: Support for both single-file and multi-file operations
* Advanced Search: Support for searching code, issues/PRs, and users

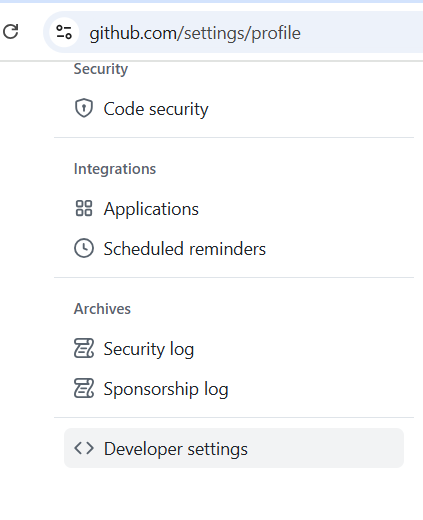
Source: all operations mentioned below are possible

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

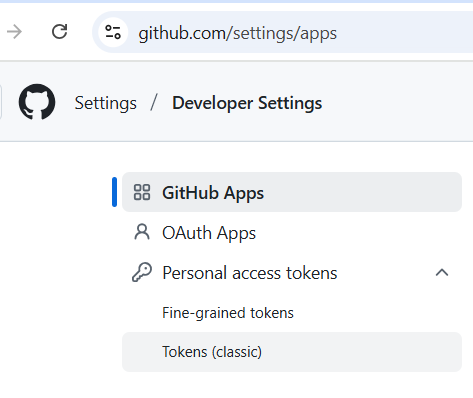
**Personal Access Token is needed to connect to GitHub :**

Steps to Generate a GitHub Personal Access Token:

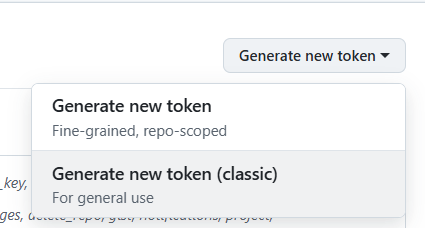
1. **Sign in to your GitHub account** .
2. **Go to your profile settings:** Click on your profile image in the upper right corner, then click "Settings".
3. 
4. **Navigate to Developer settings:** In the left sidebar, click "Developer settings".



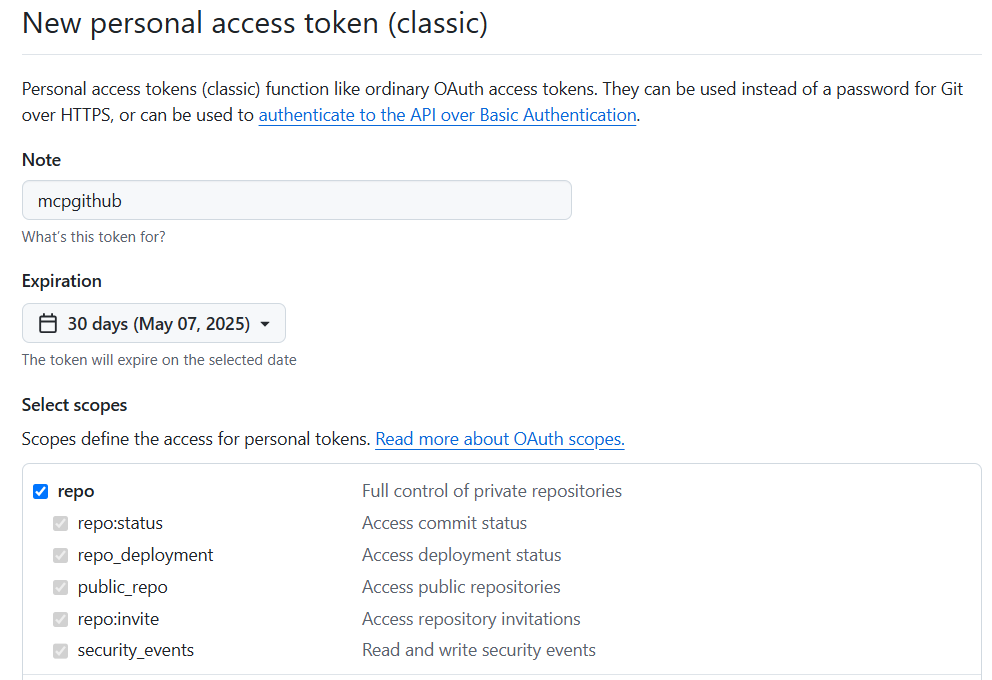
1. **Access Personal access tokens:** In the left sidebar, under "Personal access tokens", click "Tokens (classic)".

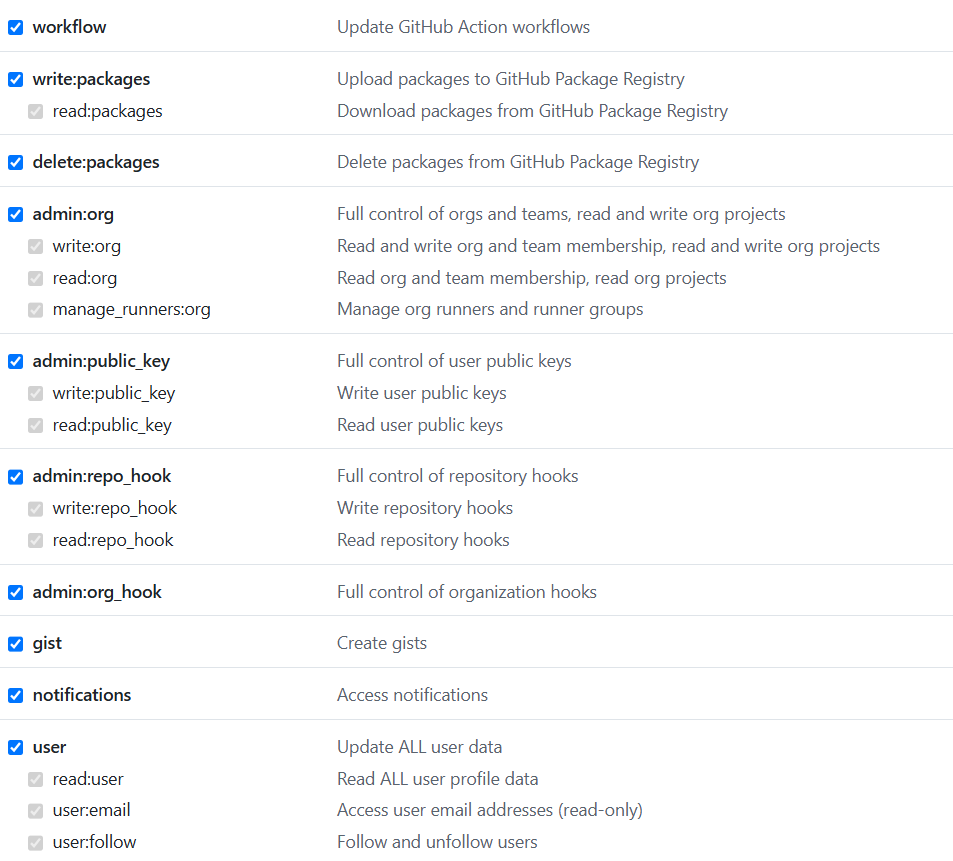


1. **Generate a new token:** Click "Generate new token".

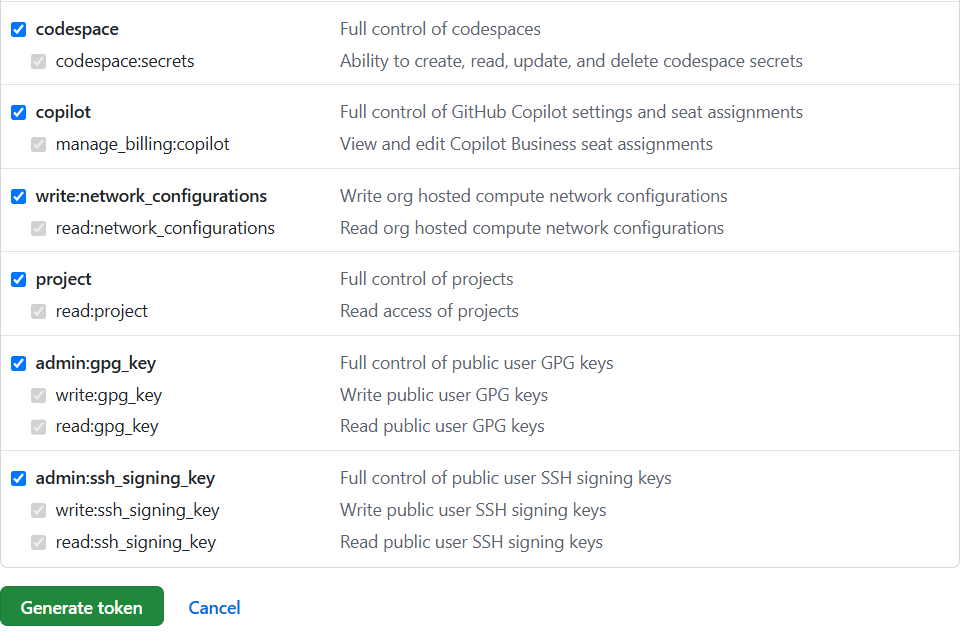


1. **Provide a token description:** Enter a descriptive name for your token to help you remember its purpose.
2. **Set token expiration (optional):** Choose an expiration time for the token (e.g., 30 days, 60 days, 90 days, or no expiration). Note: It's recommended to set an expiration for security reasons.
3. **Select scopes/permissions:** Choose the scopes or permissions you want to grant this token. For example, select "repo" if you need the token for repository operations.

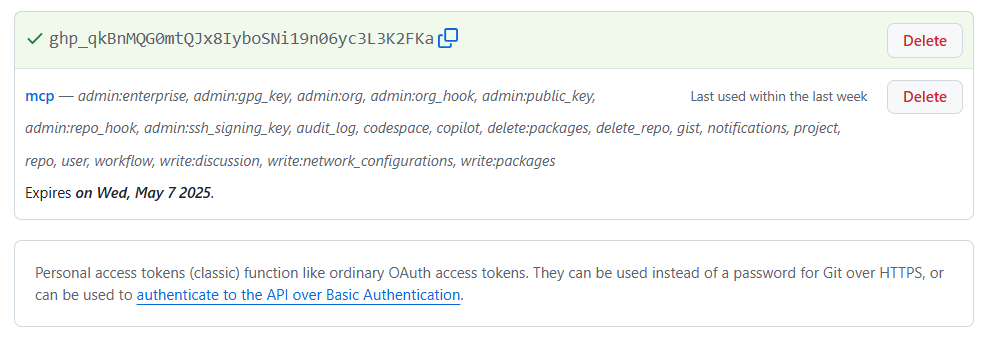




1. **Generate the token:** Click "Generate token".



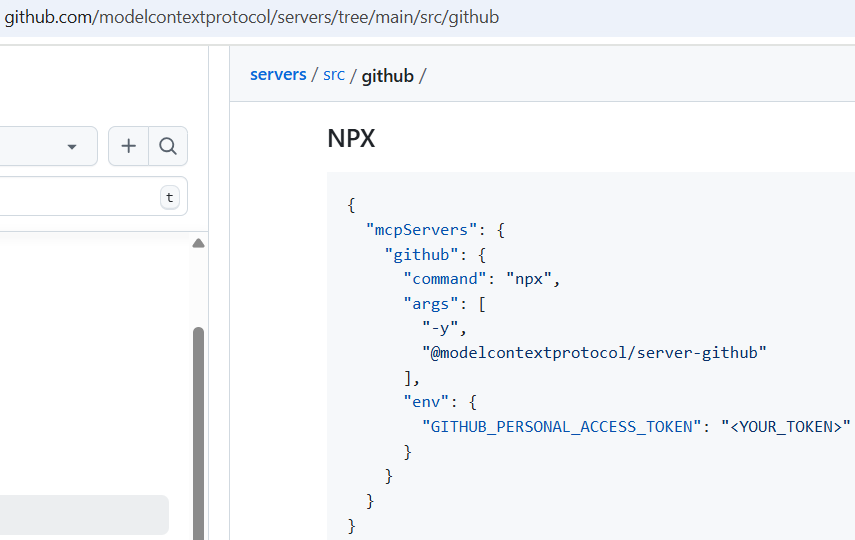
1. **Securely store the token:** Copy and store the generated token in a secure location, as you will not be able to view it again.



Make sure you not down the token .

Token : ghp\_qkBnMQG0mtQJx8IyboSNi19n06yc3L3K2FKa

Replace the token in NPX of github:



Goto > claude desktop > File > Settings > Developer > Edit Config>

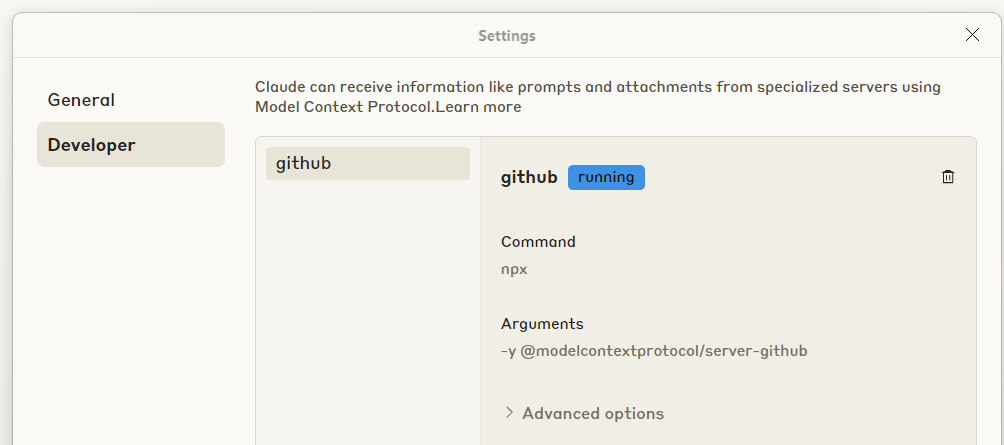
"C:\Users\ekris\AppData\Roaming\Claude\claude\_desktop\_config.json"

And paste the below content to the config.json file

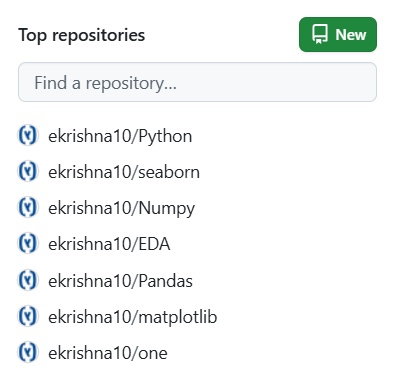


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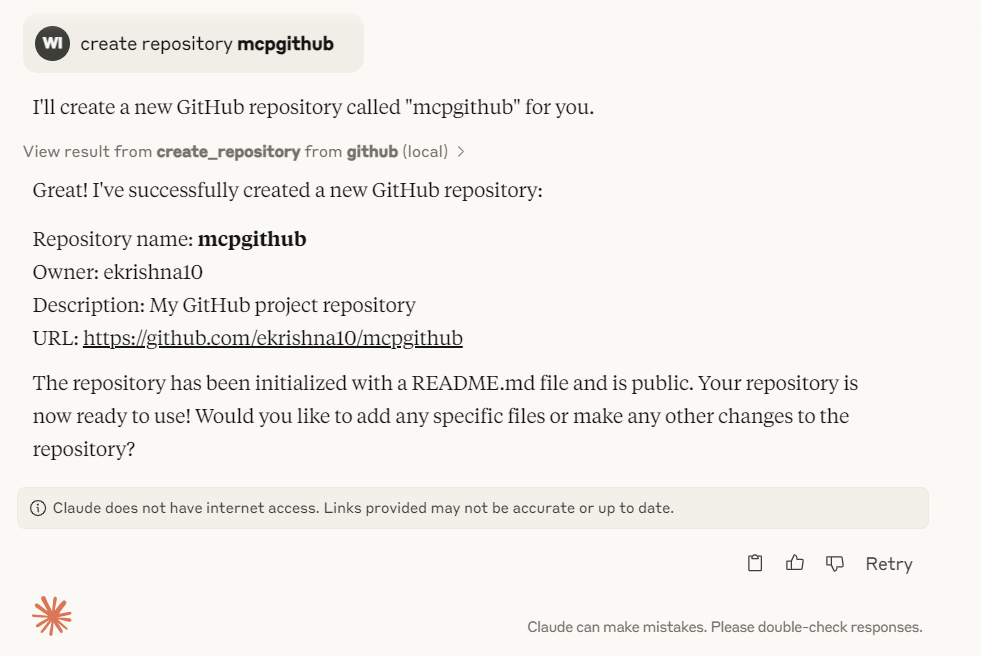
Restart the claude desktop and check the settings

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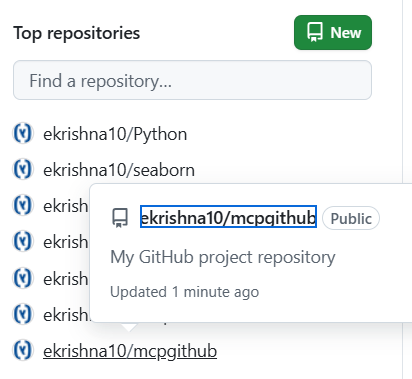
**GitHub account repositories :**

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**Create new repository called as mcpgithub**

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**Goto github and check now for repository:**

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mcpgithub repository is created successfully



Goto to repository and check for One.java

