

VS Code

This article describes the installation and basic configuration for Microsoft Visual Studio Code including Python and OpenAI Codex support.

```
sudo apt-get install wget gpg && wget -q0-  
https://packages.microsoft.com/keys/microsoft.asc | gpg --dearmor >  
microsoft.gpg && sudo install -D -o root -g root -m 644 microsoft.gpg  
/usr/share/keyrings/microsoft.gpg && rm -f microsoft.gpg  
  
sudo tee /etc/apt/sources.list.d/vscode.sources &>/dev/null <<EOF  
Types: deb  
URIs: https://packages.microsoft.com/repos/code  
Suites: stable  
Components: main  
Architectures: amd64,arm64,armhf  
Signed-By: /usr/share/keyrings/microsoft.gpg  
EOF  
  
sudo apt install apt-transport-https && sudo apt update && sudo apt install  
code  
sudo apt-get install gvfs libglib2.0-bin  
  
sudo tee -a /etc/sysctl.conf &>/dev/null <<EOF  
fs.inotify.max_user_watches=524288  
EOF  
  
sudo sysctl -p
```

Disable the internal AI features and telemetry:

- Settings → Chat → Disable AI Features
- Settings → telemetry.telemetryLevel → Off
- Settings → application → update → update:mode → None (as updated through apt)

Marketplace addons/plugins/extensions:

- install “openai codex”, “git graph” and “python”
- SQLite Viewer & SQLite
<https://marketplace.visualstudio.com/items?itemName=alexcvzz.vscode-sqlite> (sudo apt install sqlite3)
- move codex icon to right sidebar

Keyboard shortcut changes (CTRL+K CTRL+S):

- Copy Line Down → CTRL + D

Note: To authenticate the ChatGPT/Codex plugin within VS Code Server docker image, the following needs to be done on the docker main system. The codex binary is in the plugin version's directory and vscode runs under user abc. For this to work, the device auth needs to be enabled in chatgpt codex

security settings:

```
docker exec -it -u abc vscode sh -lc '
CODEX_BIN="$(find /config/extensions -path "*/bin/linux-x86_64/codex" | head
-n1)"
"$CODEX_BIN" login --device-auth
'
```

Codex Rate Limit Plugin

<https://marketplace.visualstudio.com/items?itemName=xiangz19.codex-ratelimit> install from top toolbar:

```
ext install xiangz19.codex-ratelimit
```

Set refresh to 60 seconds. Default is 10 seconds.

Persistent Conf

Open Command Palette: Ctrl+Shift+P then: Preferences: Open User Settings (JSON) and paste the settings below.

```
{
  "window.restoreWindows": "preserve",
  "chat.restoreLastPanelSession": true,
  "terminal.integrated.persistentSessionReviveProcess":
"onExitAndWindowClose",
  "files.hotExit": "onExitAndWindowClose",
  "workbench.editor.restoreViewState": true,
  "terminal.integrated.enablePersistentSessions": true,
  "workbench.colorTheme": "Dark 2026",
}
```

For vsodium-web, to restore project windows/open files etc, link to the exact project file like:

<https://vsodium-web.example.com/?workspace=/src/projects/something.code-workspace>

SFTP extension for remote up/download of files:

<https://marketplace.visualstudio.com/items?itemName=Natizyskunk.sftp> example config:

```
{
  "name": "remote-name",
  "host": "remote-hostname",
  "protocol": "sftp",
  "port": 22,
  "username": "root",
  "privateKeyPath": "/home/user/.ssh/id_rsa",
  "remotePath": "/var/www/htdocs",
}
```

```
"uploadOnSave": false,  
"useTempFile": false,  
"openSsh": false  
}
```

<https://marketplace.visualstudio.com/items?itemName=anthropic.claude-code>

<https://marketplace.visualstudio.com/items?itemName=long-kudo.vscode-claude-status>

Claude code permissions

Claude Code applies permissions directly via `.claude/settings.json` or globally via `~/.claude/settings.json` and these cannot be set by the model prompt or `CLAUDE.md/AGENTS.md`. VS Code adds a `.claude/settings.json` in the project whenever an action got approved or rejected.

It's a good idea to curate an allow list of safe commands it should use for projects or globally.

format of an allow list:

[.claude/settings.json](#)

```
{  
  "permissions": {  
    "allow": [  
      "Bash(node -e  
\"console.log\\((require.resolve\\('jsdom'\\)\\)\\)\\)\")",  
      "Bash(python3 -c \"import bs4\")",  
      "Bash(python3)",  
      "Bash(git diff *)",  
      "Read(//dev/**)",  
      "Read(//tmp/**)",  
      "Bash(pip show *)",  
      "Bash(curl)",  
      "Bash(mount)",  
      "WebSearch",  
      "Bash(npm ls *)",  
      "Bash(node -e \"console.log\\((*\\)\\)\\)\")",  
    ],  
    "additionalDirectories": [  
      "/tmp"  
    ]  
  }  
}
```

Note that the asterisk can be used anywhere in the setting and it matches any characters. Be mindful of multiple asterisks as anything would match between them. This is purely textual matching and is not command aware.

From:

<http://wuff.dyndns.org/> - **Wulf's Various Things**

Permanent link:

<http://wuff.dyndns.org/doku.php?id=config:vscode&rev=1781645982>

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