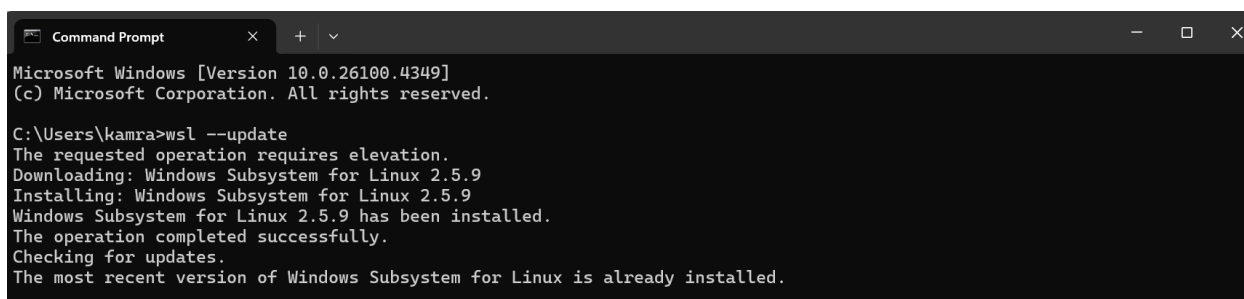


How to Set Up OpenWebUI Locally with Docker (Step-by-Step Guide)

Welcome to this tutorial on how to install and run **OpenWebUI** on your local machine using Docker. This method is easier and avoids dealing with Python, Node.js, or manual backend setup.

Prerequisites



```
Microsoft Windows [Version 10.0.26100.4349]
(c) Microsoft Corporation. All rights reserved.

C:\Users\kamra>wsl --update
The requested operation requires elevation.
Downloading: Windows Subsystem for Linux 2.5.9
Installing: Windows Subsystem for Linux 2.5.9
Windows Subsystem for Linux 2.5.9 has been installed.
The operation completed successfully.
Checking for updates.
The most recent version of Windows Subsystem for Linux is already installed.
```

Before you begin, install:

- Press the windows key, type cmd, and press enter. Type 👍
`wsl --update`
 - Press enter
- **Git** – [Download Git](#)
- **Docker Desktop** – <https://www.docker.com/products/docker-desktop/>
 - Download Docker, choose AMD64 version for Windows, and install application

Docker Desktop 4.43.1

Unpacking files...

```
Unpacking file: resources/wsl/docker-wsl-cli.iso
Unpacking file: resources/windows-daemon-options.json
Unpacking file: resources/tile-icon.png
Unpacking file: resources/tile-error.png
Unpacking file: resources/model-runner/bin/com.docker.llama-server.digest
Unpacking file: resources/linux-daemon-options.json
Unpacking file: resources/docker-desktop.iso.sha256
Unpacking file: resources/docker-desktop.iso
Unpacking file: resources/ddvp.ico
Unpacking file: resources/config-options.json
Unpacking file: resources/componentsVersion.json
Unpacking file: resources/bin/docker-compose
Unpacking file: resources/bin/docker
Unpacking file: resources/.gitignore
```



Step 2: Clone the OpenWebUI Repository

- Press the windows key on your keyboard
- Type cmd
- Press enter
- Type each command separately and press enter after each:

```
git clone https://github.com/open-webui/open-webui.git
```

```
cd open-webui
```

```
Command Prompt
Microsoft Windows [Version 10.0.26100.4349]
(c) Microsoft Corporation. All rights reserved.

C:\Users\kamra>git clone https://github.com/open-webui/open-webui.git
Cloning into 'open-webui'...
remote: Enumerating objects: 117378, done.
remote: Counting objects: 100% (66/66), done.
remote: Compressing objects: 100% (24/24), done.
remote: Total 117378 (delta 50), reused 42 (delta 42), pack-reused 117312 (from 2)
Receiving objects: 100% (117378/117378), 236.86 MiB | 28.86 MiB/s, done.
Resolving deltas: 100% (76322/76322), done.
Updating files: 100% (4652/4652), done.

C:\Users\kamra>
```

```
C:\Users\kamra>cd open-webui

C:\Users\kamra\open-webui>
```

Step 3: Start OpenWebUI with Docker

- Make sure your command prompt is set in C:\Users\username\open-webui like the image above (cd open-webui)
- Now type:

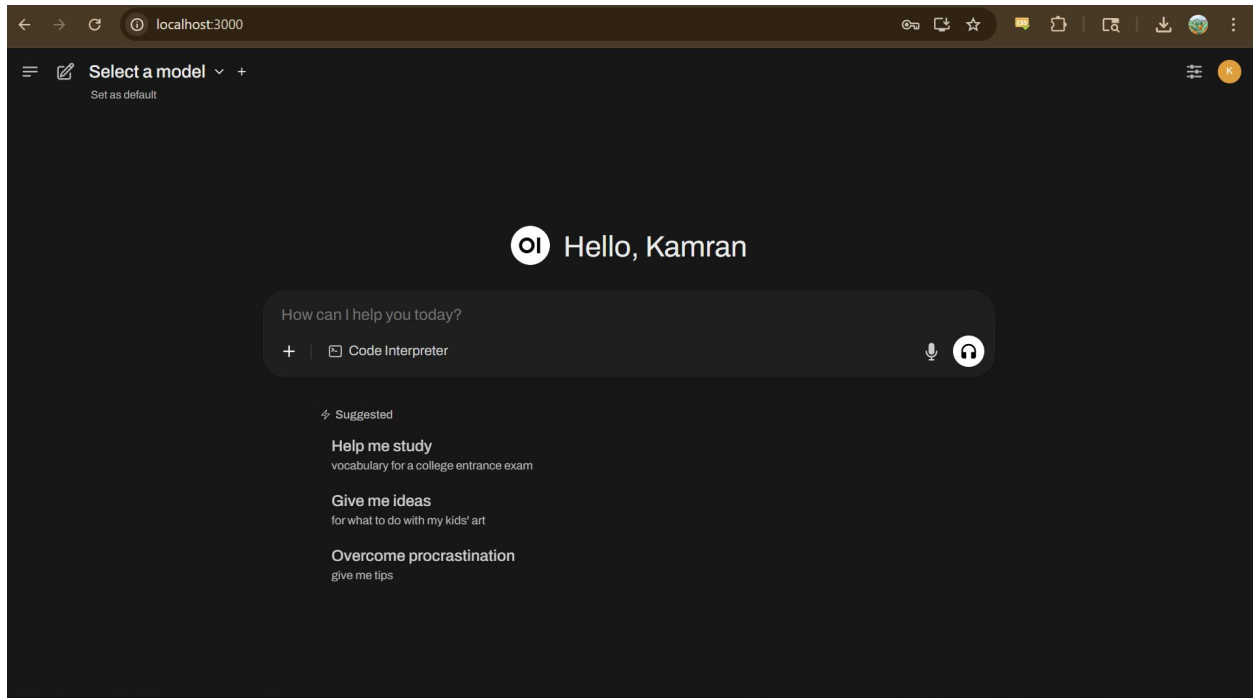
docker compose up -d
- And press enter

- This will:
 - Pull it's latest image
 - Set up the backend and frontend
 - Launch the app in the background

```
Command Prompt
C:\Users\kamra\open-webui>docker compose up -d
[+] Running 21/21
✔ ollama Pulled
  ✔ 5343bc64fdab Pull complete
  ✔ 9d52186ca5a2 Pull complete
  ✔ b08e2ff4391e Pull complete
  ✔ d0343d5f73e9 Pull complete
✔ open-webui Pulled
  ✔ eb54bd960342 Pull complete
  ✔ 483d0dd37518 Pull complete
  ✔ d03263fb7c48 Pull complete
  ✔ dc06c47d3f8d Pull complete
  ✔ 4f4fb700ef54 Pull complete
  ✔ d735c6810219 Pull complete
  ✔ 3da95a905ed5 Pull complete
  ✔ 02a5d22e0d6f Pull complete
  ✔ 471797cdda8c Pull complete
  ✔ a9250ae4506e Pull complete
  ✔ 1e80ef81ce95 Pull complete
  ✔ 4fa722384786 Pull complete
  ✔ c840efba173d Pull complete
  ✔ 9c18d807ca17 Pull complete
  ✔ 7c1003dda2a4 Pull complete
[+] Running 5/5
✔ Network open-webui_default Created
✔ Volume "open-webui_ollama" Created
✔ Volume "open-webui_open-webui" Created
✔ Container ollama Started
✔ Container open-webui Started
```

Step 4: Open OpenWebUI in Browser

- Once Docker is done, go to:
<http://localhost:3000>
- In your web browser
- You should see the OpenWebUI interface load completely.



Step 5: Shut Down or Restart

- To stop OpenWebUI:
`docker compose down`
- To restart:
`docker compose up -d`

Step 6: Connect a Local LLM (Ollama)

OpenWebUI supports local LLM like those served through [Ollama](https://ollama.com).

1. Install Ollama

- Visit <https://ollama.com> and download the Windows version.



[Discord](#) [GitHub](#) [Models](#)

[Sign in](#)

[Download](#)

Download Ollama



macOS



Linux



Windows

[Download for Windows](#)

Requires Windows 10 or later

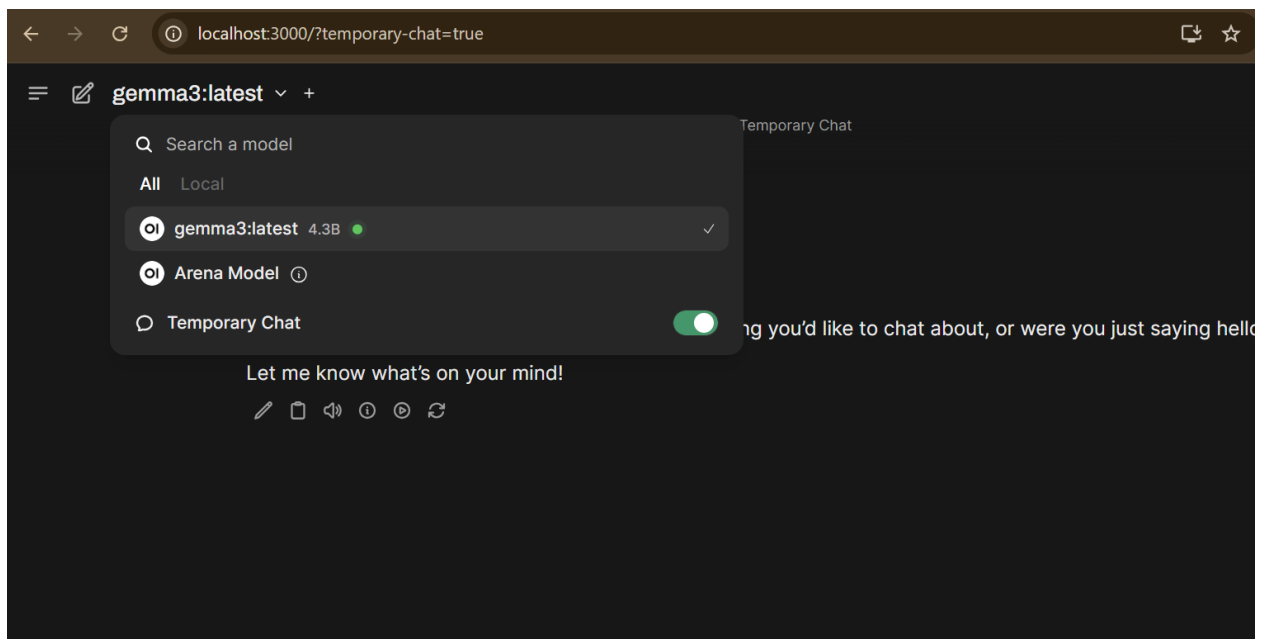
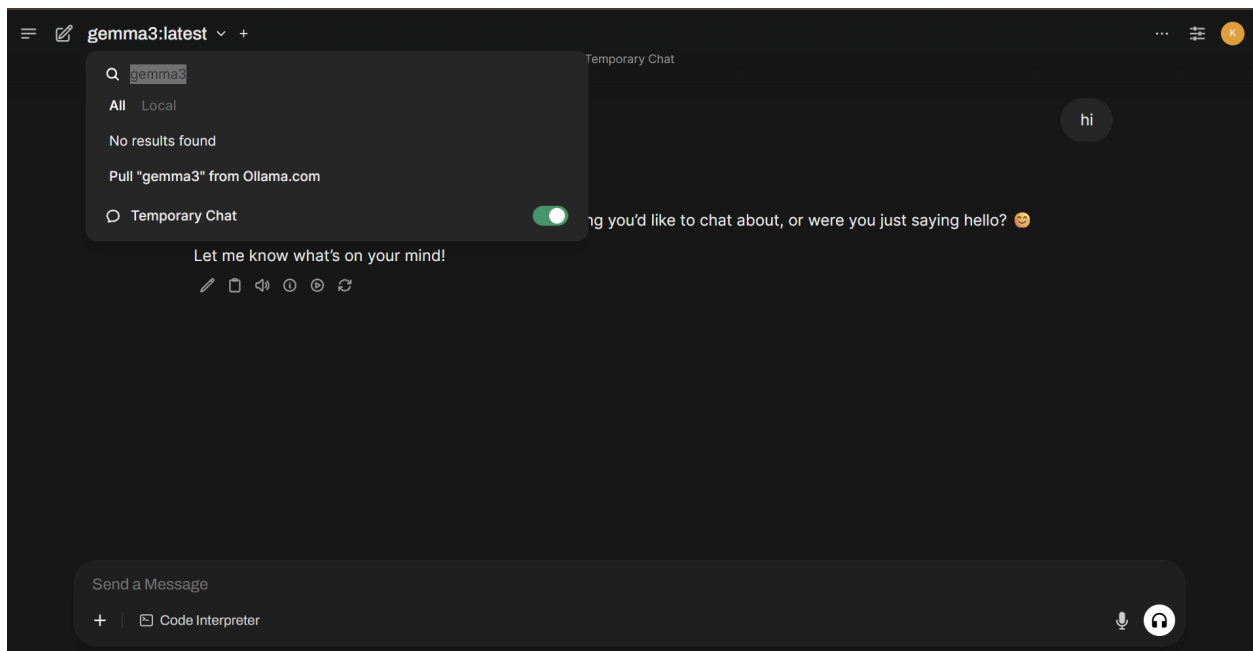
While Ollama downloads, sign up to get notified of new updates.

2. Add Ollama to OpenWebUI

1. Open OpenWebUI in your browser: <http://localhost:3000>
2. **Optional:** Open command prompt and run :

```
ollama run gemma3
```

3. Go to “Select a Model” in the top left corner of OpenWebUI
4. Type any Ollama model you want (e.g. gemma3) and click “Pull from [Ollama.com](https://ollama.com)”
5. The local model should now appear in your chat dropdown.



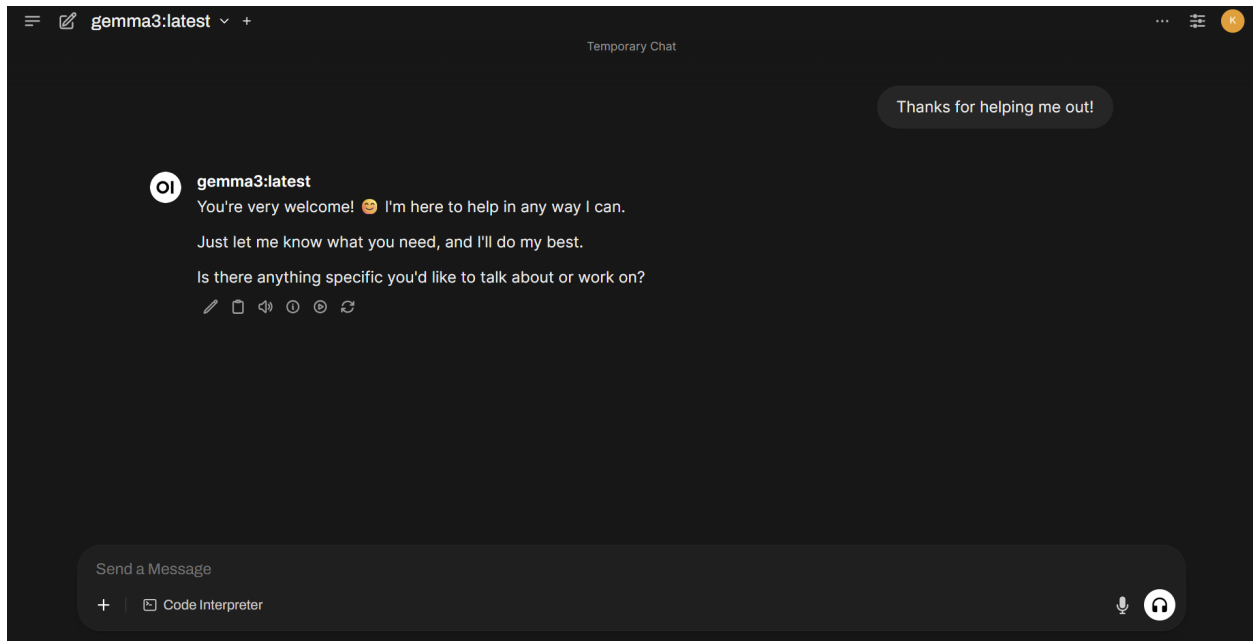
Troubleshooting

- “Port already in use”? Change the port in `docker-compose.yml`
- Docker not running? Start Docker Desktop first.
- Need to update? Run in command prompt:

docker compose pull

Conclusion

Using Docker is the easiest way to run OpenWebUI locally on your machine.



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