

## Supported AMIs – DeepSeek-R1 with WebUI

### Step 1: Launch EC2 Instance

Launch an EC2 instance using the AMI: **Supported AMIs – DeepSeek-R1 with WebUI**

#### Recommended Configuration:

- **Storage:** At least **100 GiB** (to accommodate the large model)
- **RAM:** At least **16 GiB**
- **vCPU:** At least **12 cores**
- **GPU:** Strongly recommended for better performance

Make sure to configure the instance's **security groups** to allow inbound traffic on:

- **Port 8080** (for Open WebUI access)
- **Port 22** (for SSH access)

### Step 2: Check the Open WebUI Status (Wait for 5 minutes)

To verify if the **Open WebUI** service is running, use the following command:

`systemctl status open-webui.service`

```
root@ip-172-31-37-8:~# systemctl status open-webui.service
* open-webui.service - Open WebUI Service
   Loaded: loaded (/etc/systemd/system/open-webui.service; enabled; preset: enabled)
   Active: active (running) since Thu 2025-07-31 09:05:56 UTC; 17min ago
     Main PID: 659 (start.sh)
        Task: 25 (limit 38400)
       Memory: 5.2M (peak 5.2M)
          CPU: 54.69ms
     CGroup: /system.slice/open-webui.service
            └─0 /usr/bin/start.sh /opt/open-webui/bin/open-webui serve

Jul 31 09:30:09 ip-172-31-37-8 start.sh[623]: 2025-07-31 09:30:09.054 | INFO | uvicorn.protocols.http.httptools_impl:send:476 - 183.147.63.147:5028 - "GET /_app/version.json HTTP/1.1" 200 100
Jul 31 09:30:14 ip-172-31-37-8 start.sh[623]: 2025-07-31 09:30:14.064 | INFO | uvicorn.protocols.http.httptools_impl:send:476 - 183.147.63.147:5292 - "GET /_app/version.json HTTP/1.1" 200 100
Jul 31 09:30:14 ip-172-31-37-8 start.sh[623]: 2025-07-31 09:30:14.076 | INFO | uvicorn.protocols.http.httptools_impl:send:476 - 183.147.63.147:5293 - "GET /_app/version.json HTTP/1.1" 200 100
Jul 31 09:30:14 ip-172-31-37-8 start.sh[623]: 2025-07-31 09:30:14.084 | INFO | uvicorn.protocols.http.httptools_impl:send:476 - 183.147.63.147:5718 - "GET /_app/version.json HTTP/1.1" 200 100
Jul 31 09:30:14 ip-172-31-37-8 start.sh[623]: 2025-07-31 09:30:14.092 | INFO | uvicorn.protocols.http.httptools_impl:send:476 - 183.147.63.147:5719 - "GET /_app/version.json HTTP/1.1" 200 100
Jul 31 09:30:14 ip-172-31-37-8 start.sh[623]: 2025-07-31 09:30:14.093 | INFO | uvicorn.protocols.http.httptools_impl:send:476 - 183.147.63.147:6339 - "GET /_app/version.json HTTP/1.1" 200 100
Jul 31 09:30:14 ip-172-31-37-8 start.sh[623]: 2025-07-31 09:30:14.093 | INFO | uvicorn.protocols.http.httptools_impl:send:476 - 183.147.63.147:6340 - "GET /_app/version.json HTTP/1.1" 200 100
Jul 31 09:30:14 ip-172-31-37-8 start.sh[623]: 2025-07-31 09:30:14.092 | INFO | uvicorn.protocols.http.httptools_impl:send:476 - 183.147.63.147:5889 - "GET /_app/version.json HTTP/1.1" 200 100
Jul 31 09:30:14 ip-172-31-37-8 start.sh[623]: 2025-07-31 09:30:14.095 | INFO | uvicorn.protocols.http.httptools_impl:send:476 - 183.147.63.147:4873 - "GET /_app/version.json HTTP/1.1" 200 100
Jul 31 09:30:14 ip-172-31-37-8 start.sh[623]: 2025-07-31 09:30:14.096 | INFO | uvicorn.protocols.http.httptools_impl:send:476 - 183.147.63.147:2208 - "GET /_app/version.json HTTP/1.1" 200 100
root@ip-172-31-37-8:~#
```

**Note:** All Open WebUI configuration files are located in the `/opt` directory.

### Step 3: Accessing Open WebUI from Your Browser

#### 1. Check your public IP address:

`curl ifconfig.me`

#### 2. Open your browser and navigate to:

[http://your\\_public\\_ip:8080](http://your_public_ip:8080)

```
root@ip-172-31-37-8:~# curl ifconfig.me
54.82.209.206root@ip-172-31-37-8:~#
```



54.82.209.206 doesn't support a secure connection with  
HTTPS

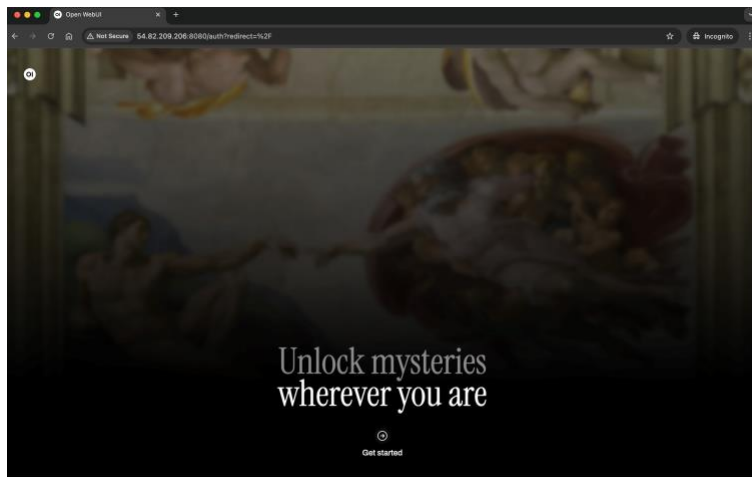
• Attackers can see and change information you send or receive from the site.  
• It's safest to visit this site later if you're using a public network. There is less risk from a trusted network, like your home or work Wi-Fi.

You might also contact the site owner and suggest they upgrade to HTTPS. [Learn more about this warning](#)

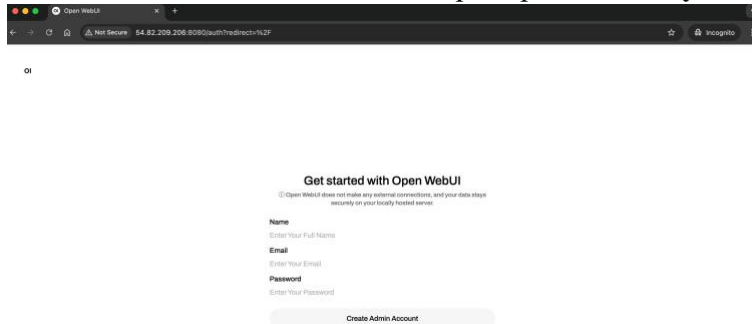
[Continue to site](#)

[Go back](#)

Click on "Continue to site"



Click “Get Started” and follow the prompts to create your admin account.



Once your account is created, log in to the dashboard.

From the WebUI, you can:

- Manage users (create, edit, or delete)
- Manage models (add/remove models, configure settings)
- Run inference and interact with installed models

