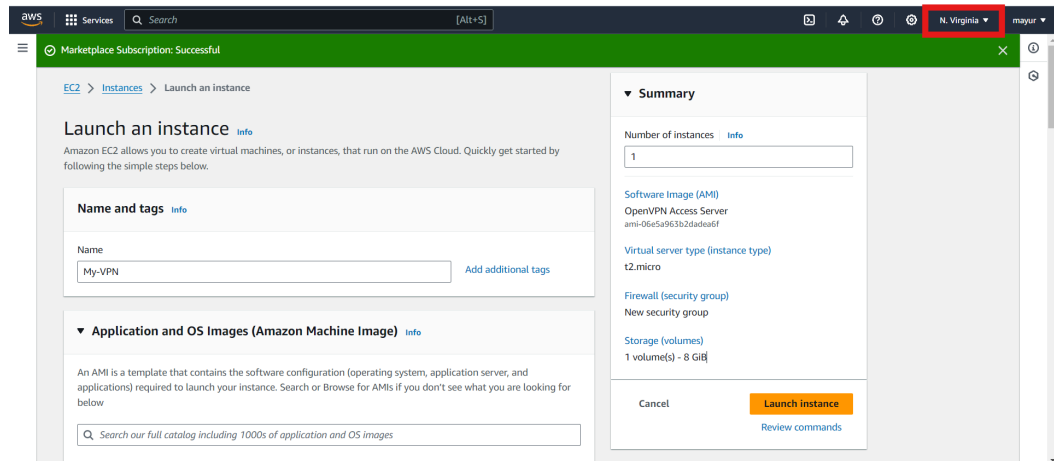


# Setting Up an OpenVPN Server on AWS EC2

## Part 1: Server-Side Setup

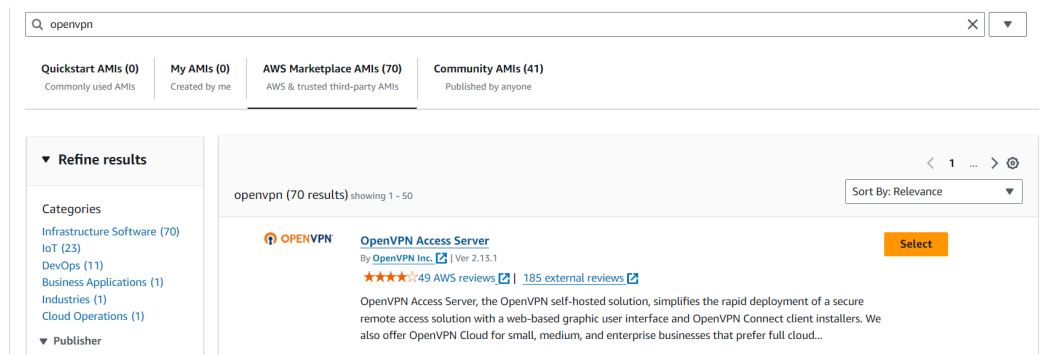
### 1. Launch an EC2 Instance

- Launch your own EC2 instance in a country different from your current location.



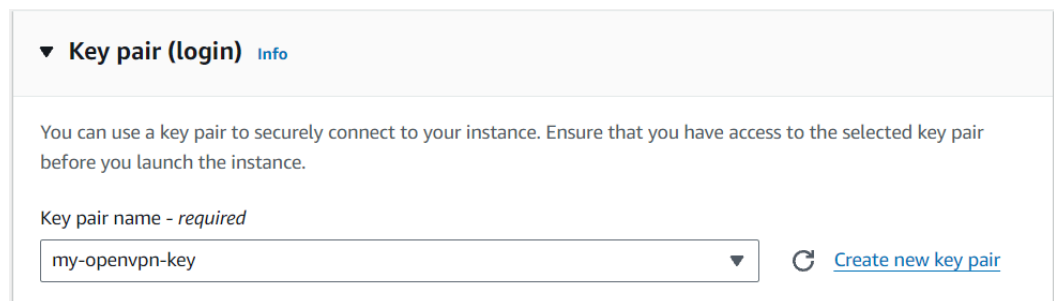
### 2. Select OpenVPN Image

- Choose an OpenVPN image for your instance.



### 3. Create an SSH Key

- Generate your own SSH key for secure access.

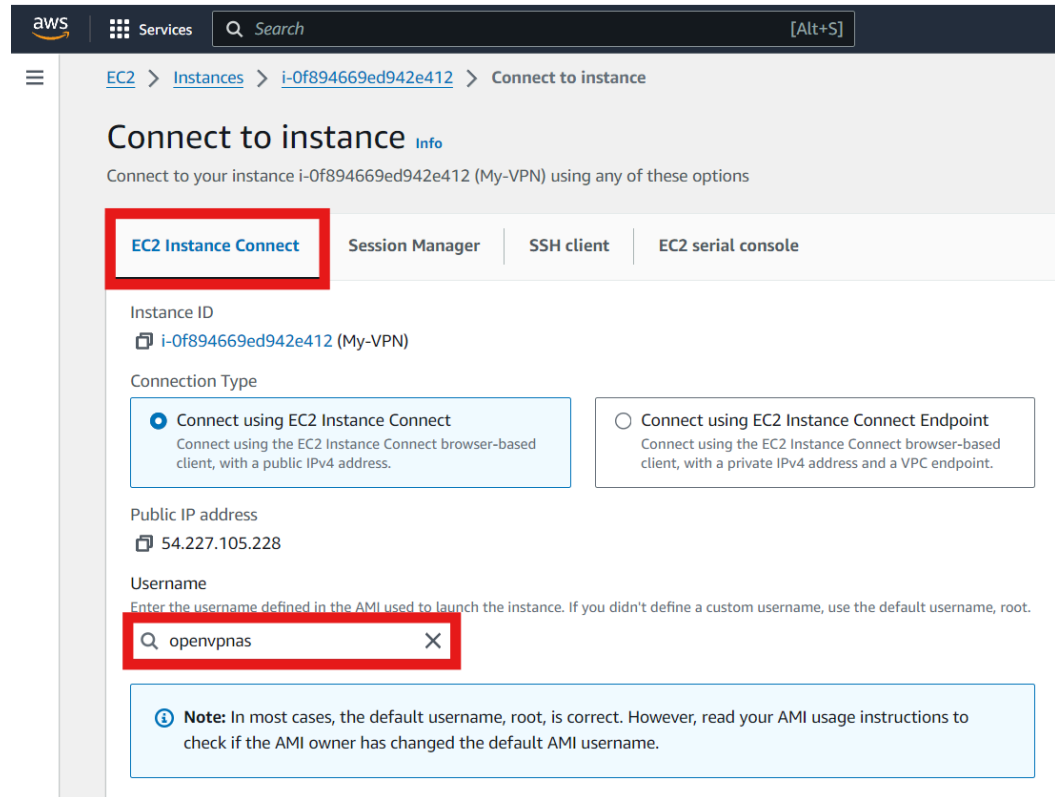


### 4. Launch the Instance

- Proceed to launch the instance.

## 5. Connect to Your Instance (Windows Users)

- Use EC2 Instance Connect, and change the username to **openvpnas** from **root**.



aws Services Search [Alt+S]

EC2 > Instances > i-Of894669ed942e412 > Connect to instance

### Connect to instance [Info](#)

Connect to your instance i-Of894669ed942e412 (My-VPN) using any of these options

**EC2 Instance Connect** Session Manager SSH client EC2 serial console

Instance ID  
i-Of894669ed942e412 (My-VPN)

Connection Type

☒ **Connect using EC2 Instance Connect**  
Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.

☐ **Connect using EC2 Instance Connect Endpoint**  
Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

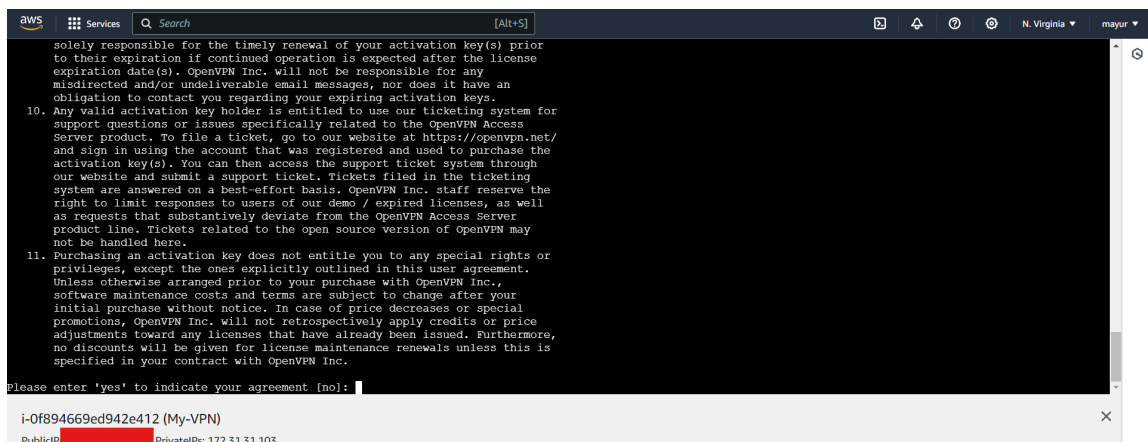
Public IP address  
54.227.105.228

Username  
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, root.

openvpnas

**Note:** In most cases, the default username, root, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

## 6. Configure OpenVPN on the VM



solely responsible for the timely renewal of your activation key(s) prior to their expiration if continued operation is expected after the license expiration date(s). OpenVPN Inc. will not be responsible for any misdirected and/or undeliverable email messages, nor does it have an obligation to contact you regarding your expiring activation keys.

10. Any valid activation key holder is entitled to use our ticketing system for support questions or issues specifically related to the OpenVPN Access Server product. To file a ticket, go to our website at <https://openvpn.net/> and sign in using the account that was registered and used to purchase the activation key(s). You can then access the support ticket system through our website and submit a support ticket. Tickets filed in the ticketing system are answered on a best-effort basis; OpenVPN Inc. staff reserve the right to limit responses to users of our demo / expired licenses, as well as requests that substantively deviate from the OpenVPN Access Server product line. Tickets related to the open source version of OpenVPN may not be handled here.

11. Purchasing an activation key does not entitle you to any special rights or privileges, except the ones explicitly outlined in this user agreement. Unless otherwise arranged prior to your purchase with OpenVPN Inc., software maintenance costs and terms are subject to change after your initial purchase without notice. In case of price decreases or special promotions, OpenVPN Inc. will not retrospectively apply credits or price adjustments toward any licenses that have already been issued. Furthermore, no discounts will be given for license maintenance renewals unless this is specified in your contract with OpenVPN Inc.

Please enter 'yes' to indicate your agreement [no]:

i-Of894669ed942e412 (My-VPN)

PublicIP: 54.227.105.228 PrivateIPs: 172.31.31.103

- Configure OpenVPN on your VM. During the configuration, pay attention to these two settings (other settings can be set to default by pressing enter):

```
Will this be the primary Access Server node?  
(enter 'no' to configure as a backup or standby node)  
> Press ENTER for default [yes]: yes
```

```
Please specify the network interface and IP address to be  
used by the Admin Web UI:  
(1) all interfaces: 0.0.0.0  
(2) eth0: 172.31.31.103  
Please enter the option number from the list above (1- 2).  
> Press Enter for default [1]: 1
```

## 7. Access Admin and Client URLs

- After completing the steps, you will get the admin and client URLs.

During normal operation, OpenVPN AS can be accessed via these URLs:

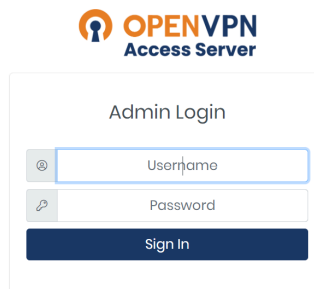
Admin UI: <https://54.227.105.228:943/admin>

Client UI: <https://54.227.105.228:943/>

- To login please use the "openvpn" account with the password you specified during the setup.

## 8. Access the Admin URL

- Copy the admin URL to your browser tab to access the OpenVPN admin page.



The image shows the OpenVPN Access Server Admin Login page. At the top is the OpenVPN Access Server logo. Below it is a white box with the title 'Admin Login'. Inside the box are two input fields: 'Username' with a user icon and 'Password' with a key icon. Below the fields is a dark blue 'Sign In' button.

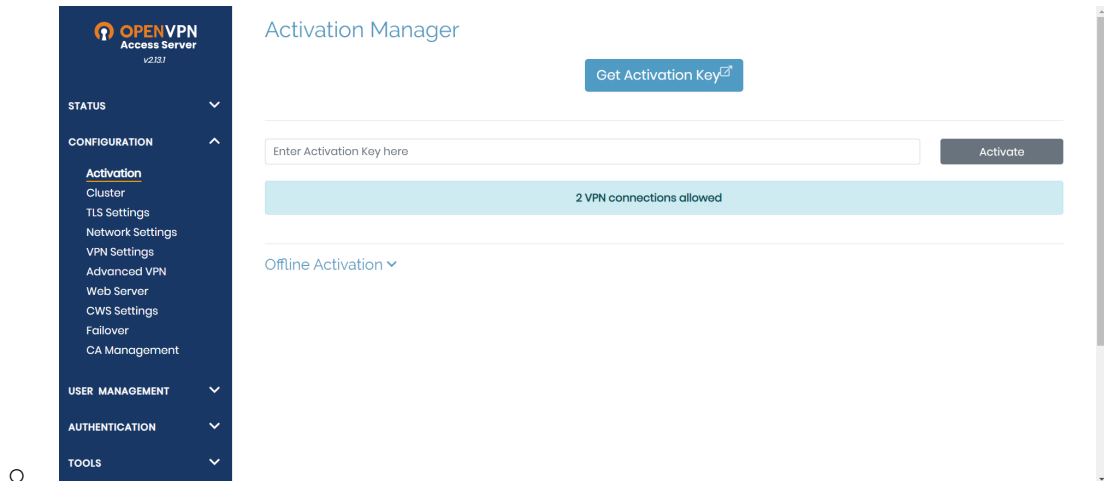
○

## 9. Login to OpenVPN Admin Page

- Enter the username as **openvpn** and the password you set during the configuration part.

## 10. Complete VPN Server Configuration

- Your VPN server configuration is now complete.



## Part 2: Client-Side Setup

### 1. Use the Client URL

- Use the client URL provided.

During normal operation, OpenVPN AS can be accessed via these URLs:  
 Admin UI: <https://54.227.105.228:943/admin>  
 Client UI: <https://54.227.105.228:943/>  
 To login please use the "openvpn" account with the password you specified during the setup.

### 2. Download the Recommended VM

- After pasting the client URL, you will see a page to download the recommended VM with pre-configured VPN settings (Encryption/Decryption key, methods like IPsec, GRE, GRE over IPsec, AES, etc.).



### 3. Install the Program

- Install the program once the download is complete.

### 4. Verify VPN Connection

- After installation, the application will pop up showing the VPN status.



## Profiles



### DISCONNECTED



OpenVPN Profile

openvpn@54.227.105.228  
[bundled]



## 5. Monitor VPN Usage

- Check how many users are using your VPN service.

Node ↑	Username	Start Time ↑	Duration	Service ↑	Real IP ↑	VPN IP ↑	Proto	Port	Bytes In	Bytes Out	Error	Version ↑	Gui Version ↑	Platform
ip-172-31-31-103	openvpn	07/09/24 07:35		WEB_ADMIN	49.36.65.229									
ip-172-31-31-103	openvpn	07/09/24 07:41		WEB_CLIENT	49.36.65.229									
ip-172-31-31-103	openvpn	07/09/24 07:52	0d 00:04	VPN	49.36.65.229	172.27.232.2	UDP	1194	190 MB	150 MB		3.8.2connect3	OCWindows_3.4.3-3337	win
ip-172-31-31-103	openvpn	07/09/24 07:58	00:00	VPN	49.36.65.229	172.27.232.3	UDP	1194	2.87 KB	190 KB		3.8.2connect3	OCWindows_3.4.3-3337	win

Before VPN is off

The screenshot shows the homepage of WhatIsMyIPAddress.com. The navigation bar includes a search bar, links for ABOUT, PRESS, BLOG, and SUPPORT, and a menu with options: MY IP, IP LOOKUP, HIDE MY IP, VPNS, TOOLS, and LEARN. The main content area displays the user's IP address information:

- My IP Address is:**
  - IPv6: **2405:201:2015:38fc:3498:203a:878f:634b**
  - IPv4: **49.36.65.229**
- My IP Information:**
  - ISP: Reliance Jio Infocomm Limited
  - City: Surat
  - Region: Gujarat
  - Country: India
- Your location may be exposed!** (Warning message)
- HIDE MY IP ADDRESS NOW** (Red button)
- [Show Complete IP Details](#) (Link)
- Location not accurate?** (Warning message)
- [Update My IP Location](#) (Link)

A map on the right side shows the location in Gujarat, India, with a red pin. A tooltip over the pin says: "Click for more details about 2405:201:2015:38fc:3498:203a:878f:634b".

After VPN is on



## Profiles



## CONNECTED

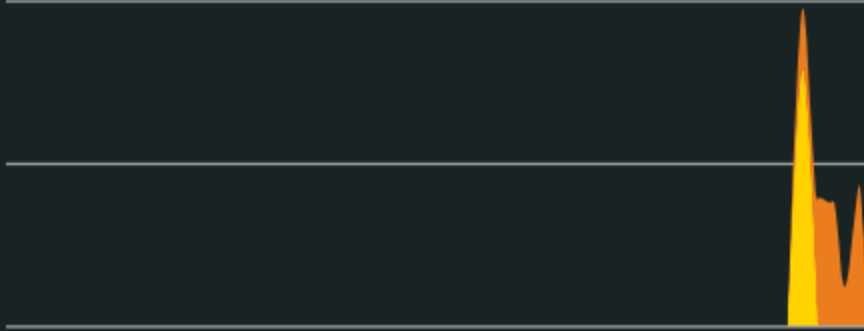


OpenVPN Profile

openvpn@54.227.105.228  
[bundled]

## CONNECTION STATS

3.3KB/s



0B/s

BYTES IN

2.67 KB/S



BYTES OUT

1.47 KB/S

DURATION

00:00:07

PACKET RECEIVED

4 sec ago

YOU

openvpn



The screenshot shows the homepage of WhatIsMyIPAddress.com. The header includes the logo, a search bar, and navigation links (ABOUT, PRESS, BLOG, SUPPORT). Below the header is a menu with links: MY IP, IP LOOKUP, HIDE MY IP, VPNs, TOOLS, and LEARN. The main content area displays the following information:

- My IP Address is:**
  - IPv4: **54.227.105.228**
  - IPv6: **Not detected**
- My IP Information:**
  - ISP: Amazon Technologies Inc.
  - City: Ashburn
  - Region: Virginia
  - Country: United States
- Your location may be exposed!** (Warning message)
- HIDE MY IP ADDRESS NOW** (Red button)
- [Show Complete IP Details](#) (Link)
- [Update My IP Location](#) (Link)
- A map showing the location in Ashburn, Virginia, with a tooltip that says "Click for more details about 54.227.105.228".

As we can see now traffic is going from our VM that we have created in our AWS