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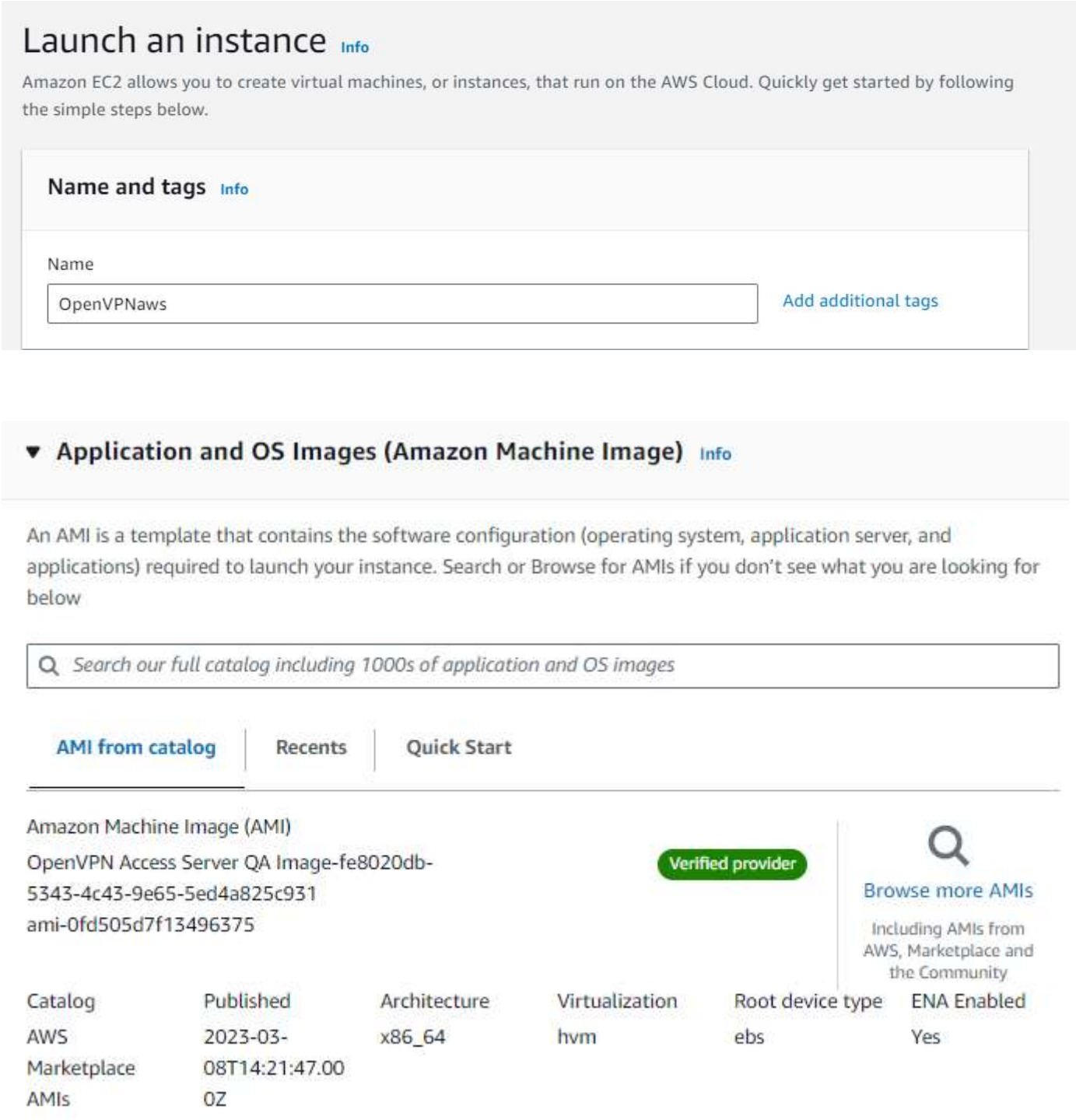
2KE20CS110

AWS-2

Open-VPN Server



Instance type Info | Get advice

Instance type

t2.small
Family: t2 1 vCPU 2 GiB Memory Current generation: true

All generations

Compare instance types

The AMI vendor recommends using a t2.small instance (or larger) for the best experience with this product.

Network settings Info

VPC - *required* Info

vpc-07e8fa2c35fcc2e6a (VPC_01)
10.0.0.0/16

Subnet Info

subnet-0922c7a0ffee12624 Subnet_01
VPC: vpc-07e8fa2c35fcc2e6a Owner: 547822218745
Availability Zone: ap-south-1a IP addresses available: 249 CIDR: 10.0.1.0/24)

Create new subnet

Auto-assign public IP Info

Disable

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group

Select existing security group

Common security groups Info

Select security groups

OpenVPN sg-00378e51a57606e8e
VPC: vpc-07e8fa2c35fcc2e6a

Compare security group rules

Security groups that you add or remove here will be added to or removed from all your network interfaces.

Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

Test

Create new key pair

Allocate Elastic IP address Info

Elastic IP address settings Info

Network Border Group Info

ap-south-1

Public IPv4 address pool

- Amazon's pool of IPv4 addresses
- Public IPv4 address that you bring to your AWS account with BYOIP. (option disabled because no pools found) Learn more
- Customer-owned pool of IPv4 addresses created from your on-premises network for use with an Outpost. (option disabled because no customer owned pools found) Learn more

Global static IP addresses

AWS Global Accelerator can provide global static IP addresses that are announced worldwide using anycast from AWS edge locations. This can help improve the availability and latency for your user traffic by using the Amazon global network. Learn more

Create accelerator

Tags - *optional*

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

No tags associated with the resource.

Add new tag

You can add up to 50 more tag

Cancel Allocate

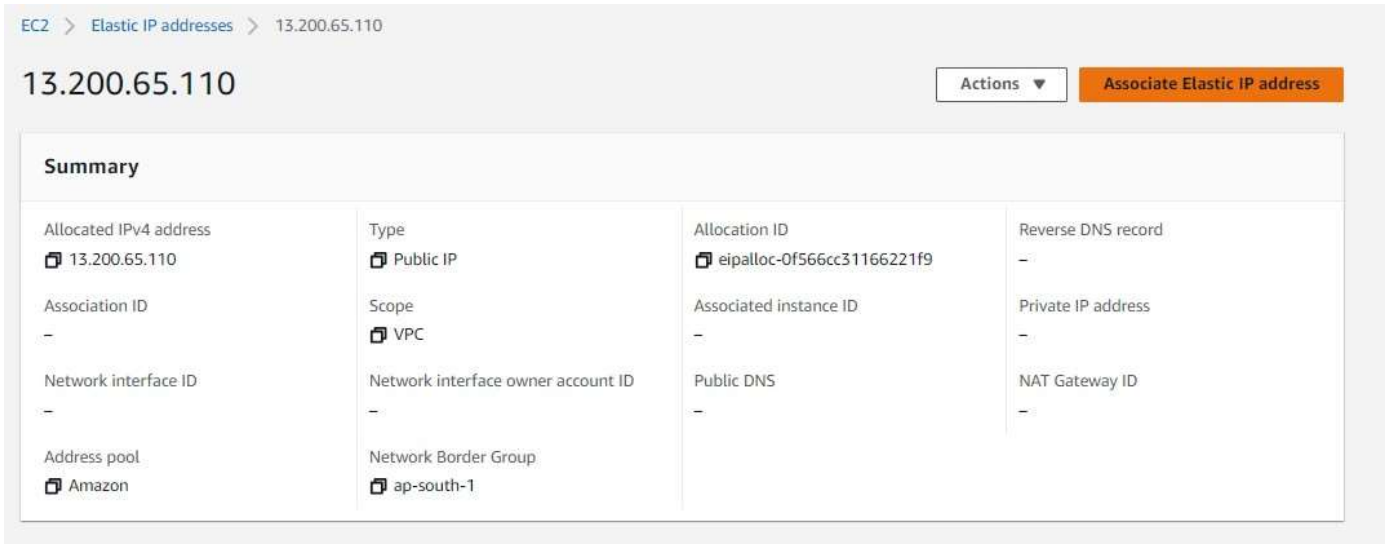
Elastic IP addresses

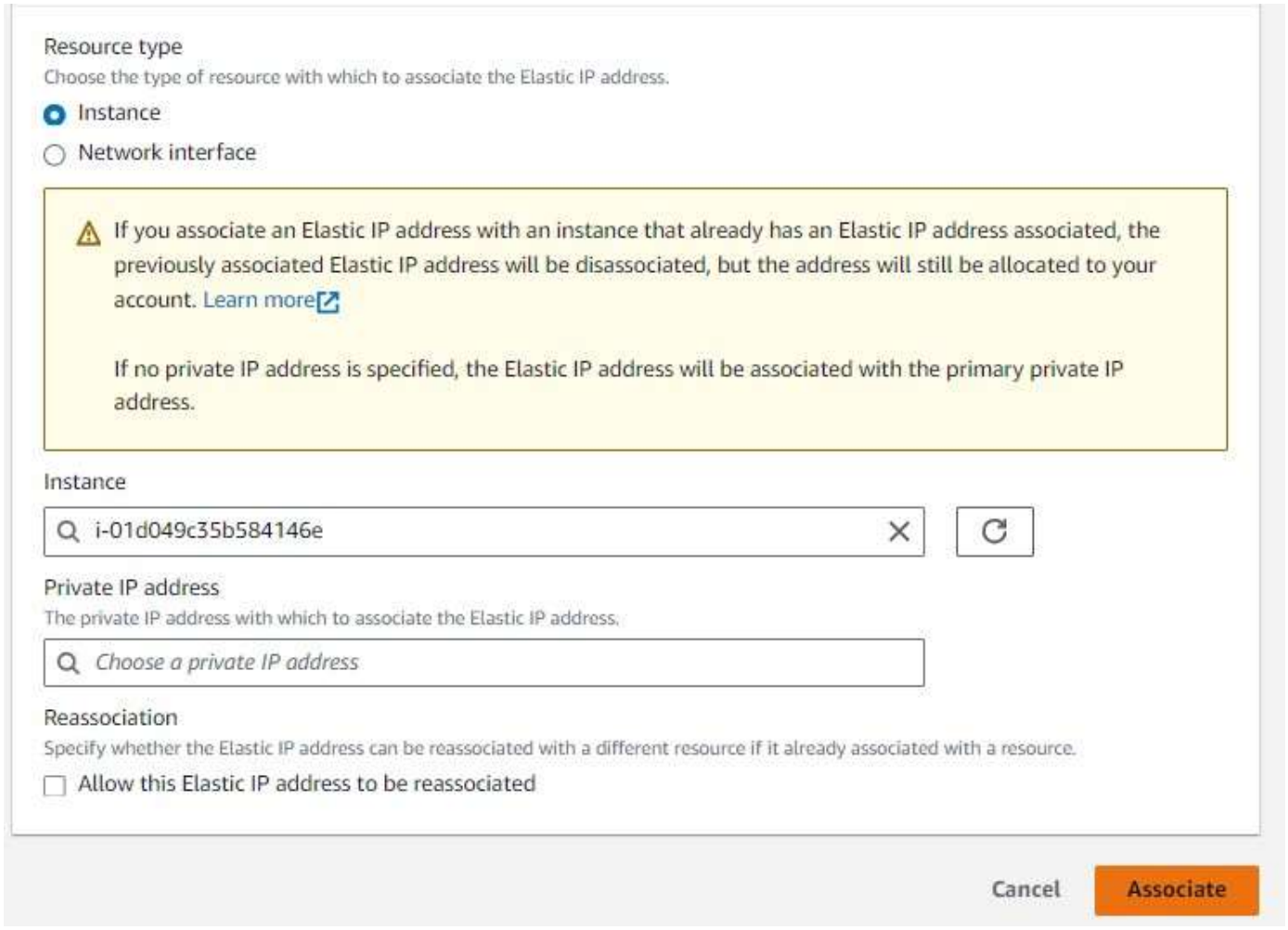
Actions Allocate Elastic IP address

Filter Elastic IP addresses

1

Name	Allocated IPv4 add...	Type	Allocation ID	Reverse DI
				No El


EC2 > Elastic IP addresses > 13.200.65.110
13.200.65.110
Actions
Associate Elastic IP address
Summary
Allocated IPv4 address
13.200.65.110
Type
Public IP
Allocation ID
eipalloc-0f566cc31166221f9
Reverse DNS record
–
Association ID
–
Scope
VPC
Associated instance ID
–
Private IP address
–
Network interface ID
–
Network interface owner account ID
–
Public DNS
–
NAT Gateway ID
–
Address pool
Amazon
Network Border Group
ap-south-1


Resource type
Choose the type of resource with which to associate the Elastic IP address.
Instance
Network interface
If you associate an Elastic IP address with an instance that already has an Elastic IP address associated, the previously associated Elastic IP address will be disassociated, but the address will still be allocated to your account. Learn more
If no private IP address is specified, the Elastic IP address will be associated with the primary private IP address.
Instance
i-01d049c35b584146e
Private IP address
The private IP address with which to associate the Elastic IP address.
Choose a private IP address
Reassociation
Specify whether the Elastic IP address can be reassociated with a different resource if it already associated with a resource.
Allow this Elastic IP address to be reassociated
Cancel
Associate

EC2 > Instances > i-01d049c35b584146e

Instance summary for i-01d049c35b584146e (OpenVPNaws) Info

Updated less than a minute ago

Connect | Instance state | Actions

Instance ID i-01d049c35b584146e (OpenVPNaws)	Public IPv4 address 13.200.65.110 |open address	Private IPv4 addresses 10.0.1.79
IPv6 address –	Instance state Pending	Public IPv4 DNS –
Hostname type IP name: ip-10-0-1-79.ap-south-1.compute.internal	Private IP DNS name (IPv4 only) ip-10-0-1-79.ap-south-1.compute.internal	
Answer private resource DNS name –	Instance type t2.small	Elastic IP addresses 13.200.65.110 [Public IP]
Auto-assigned IP address –	VPC ID vpc-07e8fa2c35fcc2e6a (VPC_01)	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. | Learn more
IAM Role –	Subnet ID subnet-0922c7a0ffee12624 (Subnet_01)	Auto Scaling Group name –
IMDSv2 Optional		

Instances (1/6) Info

Connect | Instance state | Actions | Launch instances

Find instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availabilit
PrivateInstanc...	i-0a6d3feb0579ee7a0	Stopped	t2.micro	–	No alarms	ap-south-1
PrivateInstanc...	i-0110dbcf6b8f3117e	Stopped	t2.micro	2/2 checks passed	No alarms	ap-south-1
OpenVPNaws	i-01d049c35b584146e	Running	t2.small	–	No alarms	ap-south-1

```
C:\Users\kagaw>ping 13.200.65.110

Pinging 13.200.65.110 with 32 bytes of data:
Reply from 13.200.65.110: bytes=32 time=309ms TTL=43
Reply from 13.200.65.110: bytes=32 time=215ms TTL=43
Reply from 13.200.65.110: bytes=32 time=123ms TTL=43
Reply from 13.200.65.110: bytes=32 time=137ms TTL=43

Ping statistics for 13.200.65.110:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 123ms, Maximum = 309ms, Average = 196ms
```

```
C:\Users\kagaw>ssh -i C:\Users\kagaw\OneDrive\Desktop\test.pem openvpnas@13.200.65.110
Welcome to OpenVPN Access Server Appliance 2.11.3

  System information as of Wed Dec 13 12:36:13 UTC 2023

  System load:  0.0               Processes:             96
  Usage of /:   26.9% of 7.57GB   Users logged in:       0
  Memory usage: 10%               IPv4 address for eth0: 10.0.1.79
  Swap usage:   0%

0 updates can be applied immediately.


The list of available updates is more than a week old.
To check for new updates run: sudo apt update

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.


          OpenVPN Access Server
          Initial Configuration Tool
------------------------------------------------------
```

```
Initial Configuration Complete!

You can now continue configuring OpenVPN Access Server by
directing your Web browser to this URL:

https://13.200.65.110:943/admin

During normal operation, OpenVPN AS can be accessed via these URLs:
Admin  UI: https://13.200.65.110:943/admin
Client UI: https://13.200.65.110:943/
To login please use the "openvpn" account with  the password you specified during the setup.

See the Release Notes for this release at:
   https://openvpn.net/vpn-server-resources/release-notes/
```

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

Once you provide a few initial configuration settings,
OpenVPN Access Server can be configured by accessing
its Admin Web UI using your Web browser.

Will this be the primary Access Server node?
(enter 'no' to configure as a backup or standby node)
```

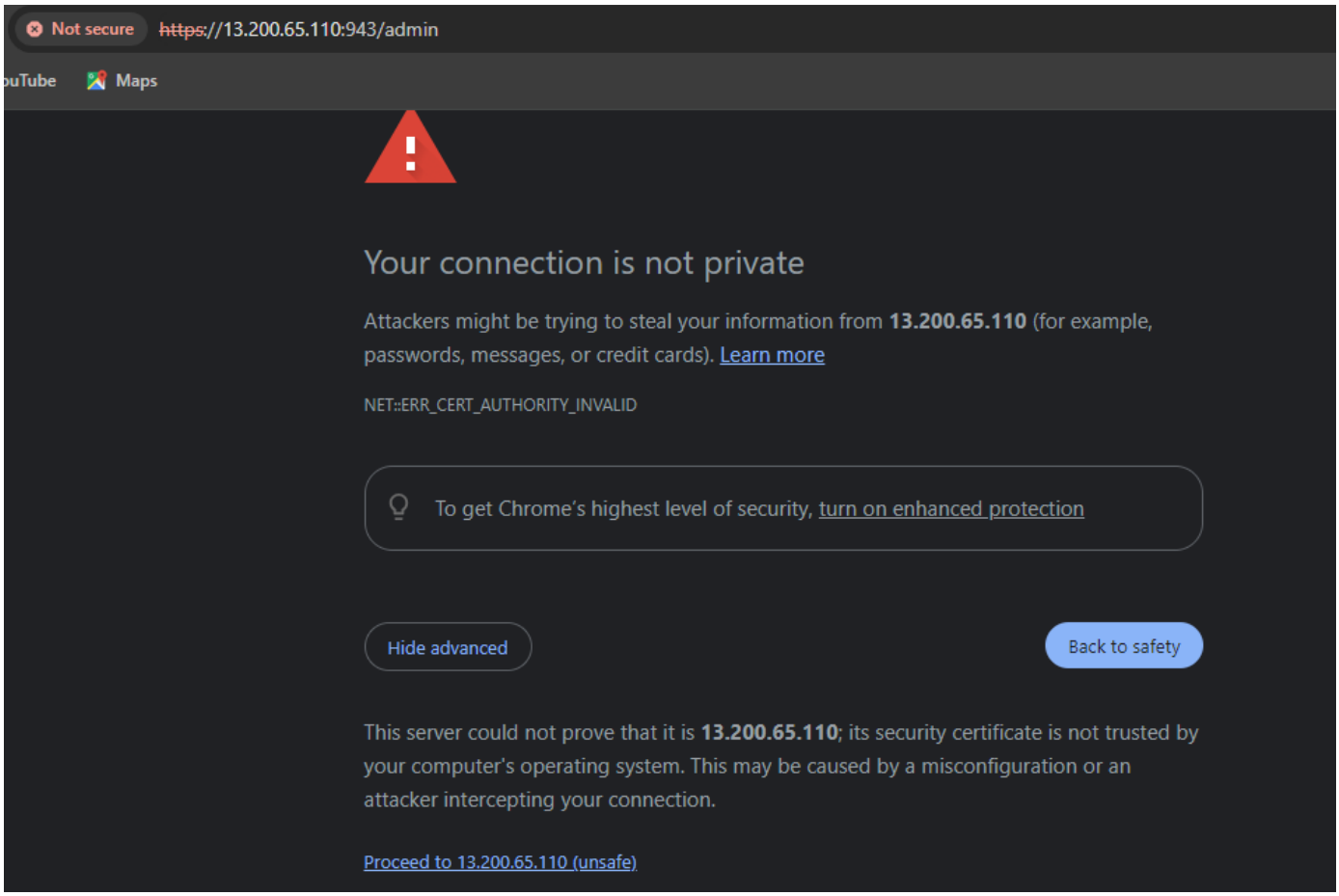
```
Please specify the network interface and IP address to be
used by the Admin Web UI:
(1) all interfaces: 0.0.0.0
(2) eth0: 10.0.1.79
Please enter the option number from the list above (1- 2).
> Press Enter for default [1]:
```

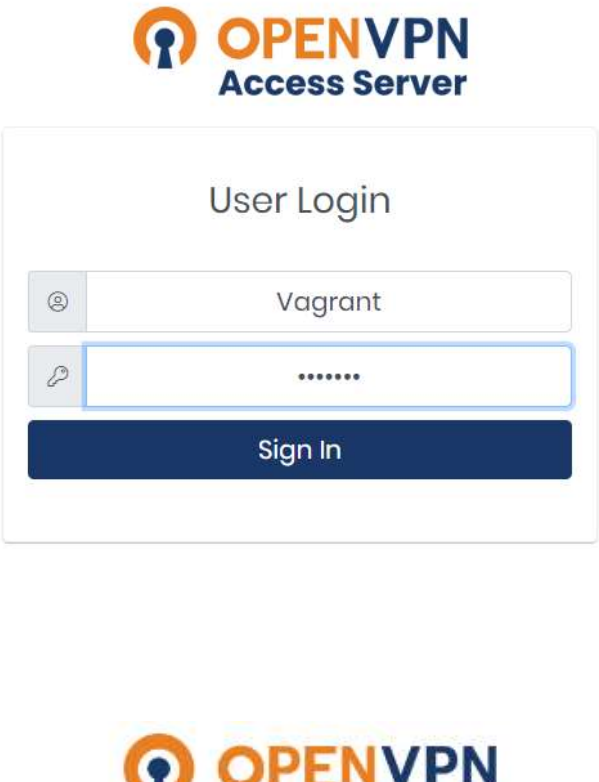
```
What public/private type/algorithms do you want to use for the self-signed web certificate?

Recommended choices:

rsa       - maximum compatibility
secp384r1 - elliptic curve, higher security than rsa, allows faster connection setup and smaller user profile files
showall   - shows all options including non-recommended algorithms.
> Press ENTER for default [rsa]:

What key size do you want to use for the certificates?
Key size should be between 2048 and 4096

> Press ENTER for default [ 2048 ]:2048
```

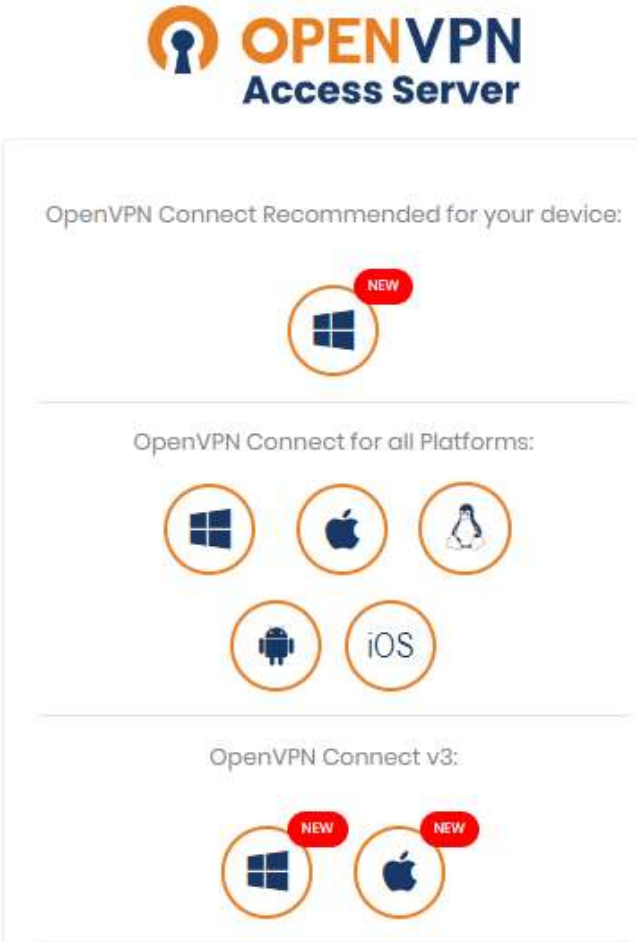
```
Please specify the port number for the Admin Web UI.
> Press ENTER for default [943]:

Please specify the TCP port number for the OpenVPN Daemon
> Press ENTER for default [443]:

Should client traffic be routed by default through the VPN?
> Press ENTER for default [no]: yes

Should client DNS traffic be routed by default through the VPN?
> Press ENTER for default [no]: yes
Admin user authentication will be  local

Private subnets detected: ['10.0.0.0/16']

Should private subnets be accessible to clients by default?
> Press ENTER for EC2 default [yes]:
```

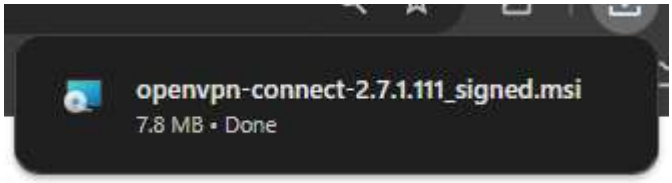
```
Do you wish to login to the Admin UI as "openvpn"?
> Press ENTER for default [yes]:
Type a password for the 'openvpn' account (if left blank, a random password will be generated):
Error: New Password must be at least 8 characters. Password must also contain a digit, an Uppercase letter, and a symbol from !@#$%&'()*+,-/[\]^_`{|}~<>
Type a password for the 'openvpn' account (if left blank, a random password will be generated):
Confirm the password for the 'openvpn' account:

> Please specify your Activation key (or leave blank to specify later):



Initializing OpenVPN...
Removing Cluster Admin user login...
userdel "admin_c"
Writing as configuration file...
Perform sa init...
Wiping any previous userdb...
Creating default profile...
Modifying default profile...
Adding new user to userdb...
Modifying new user as superuser in userdb...
Setting password in db...
Getting hostname...
Hostname: 13.200.65.110
Preparing web certificates...
```

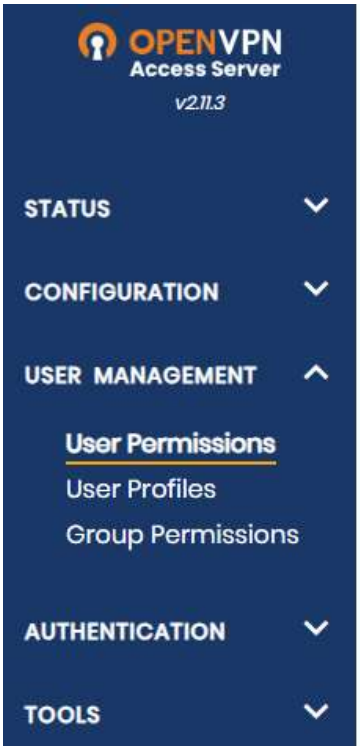
```
openvpnas@ip-10-0-1-79:~$
```




OPENVPN
Access Server
User Login
Vagrant
Sign In


OPENVPN
Access Server
OpenVPN Connect Recommended for your device:
NEW
OpenVPN Connect for all Platforms:
iOS
OpenVPN Connect v3:
NEW
NEW


openvpn-connect-2.7.1.111_signed.msi
7.8 MB • Done

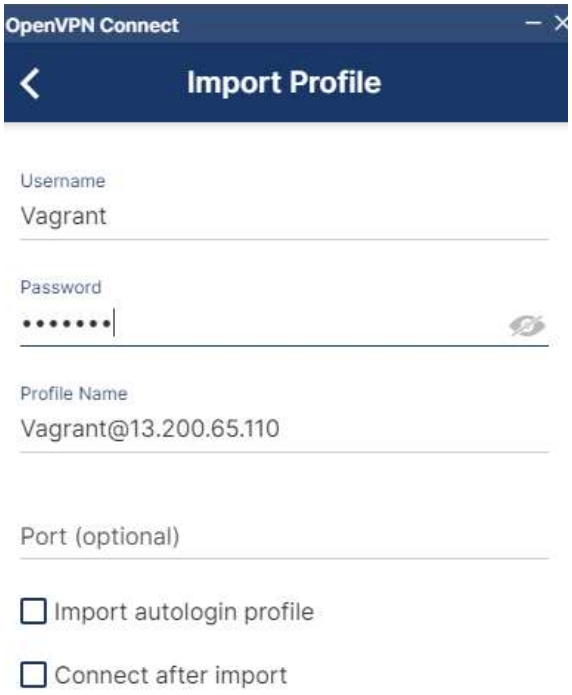


User Permissions

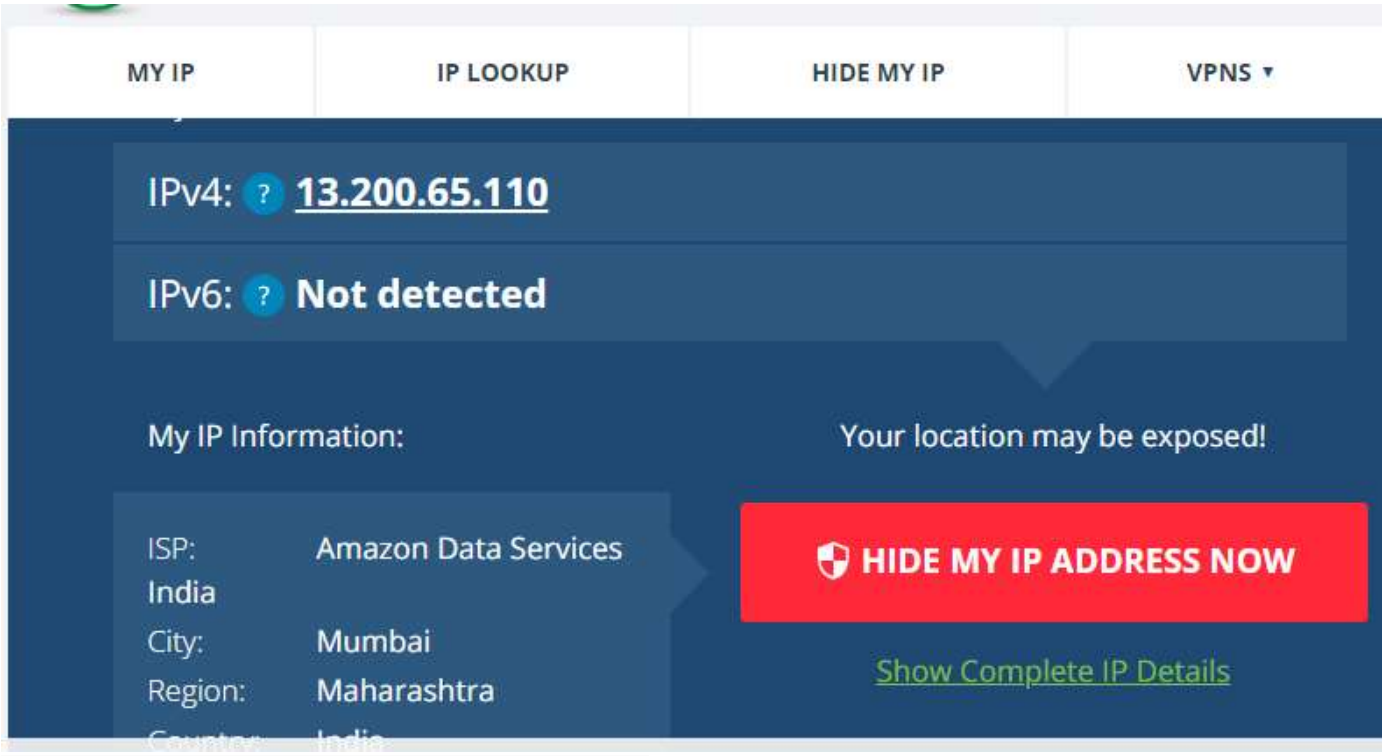
Search By Username/Group (use '%' as wildcard)

No Default Group

Username
openvpn
Vagrant


OpenVPN Connect
Import Profile
Username
Vagrant
Password
Profile Name
Vagrant@13.200.65.110
Port (optional)
Import autologin profile
Connect after import


OpenVPN Connect
Profiles
DISCONNECTED
CONNECTION STATS
357KB/s
0B/s
BYTES IN
0 KB/S
BYTES OUT
0 KB/S
DURATION
00:06:21
PACKET RECEIVED
2 sec ago
YOU
Vagrant
YOUR PRIVATE IP
172.27.232.2
SERVER



Public IPv4 address
13.200.65.110 open address