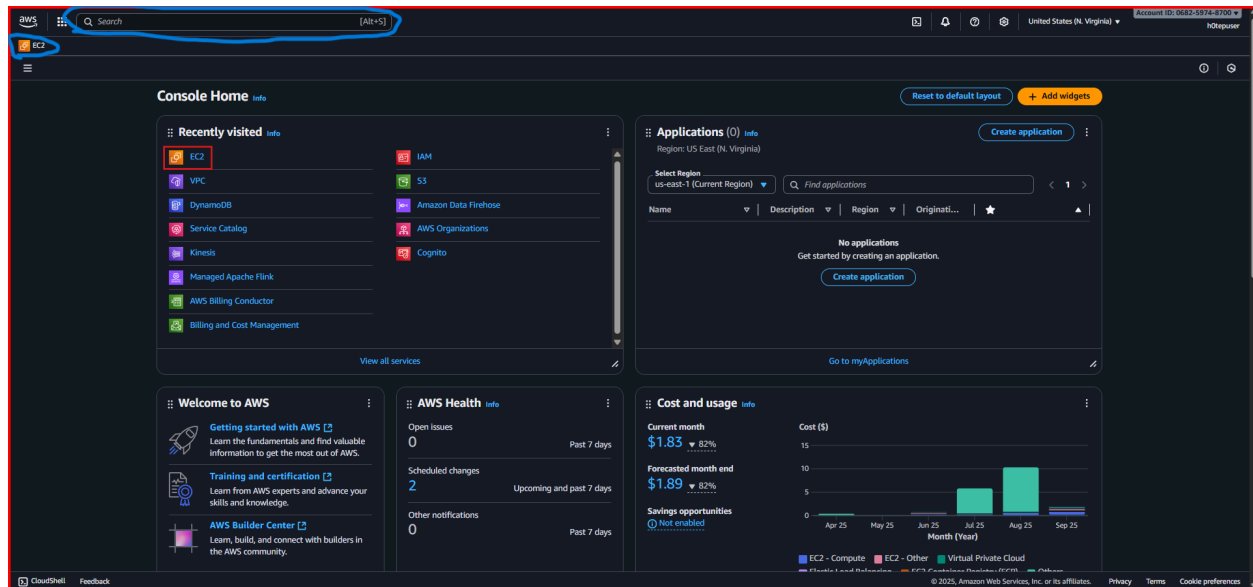
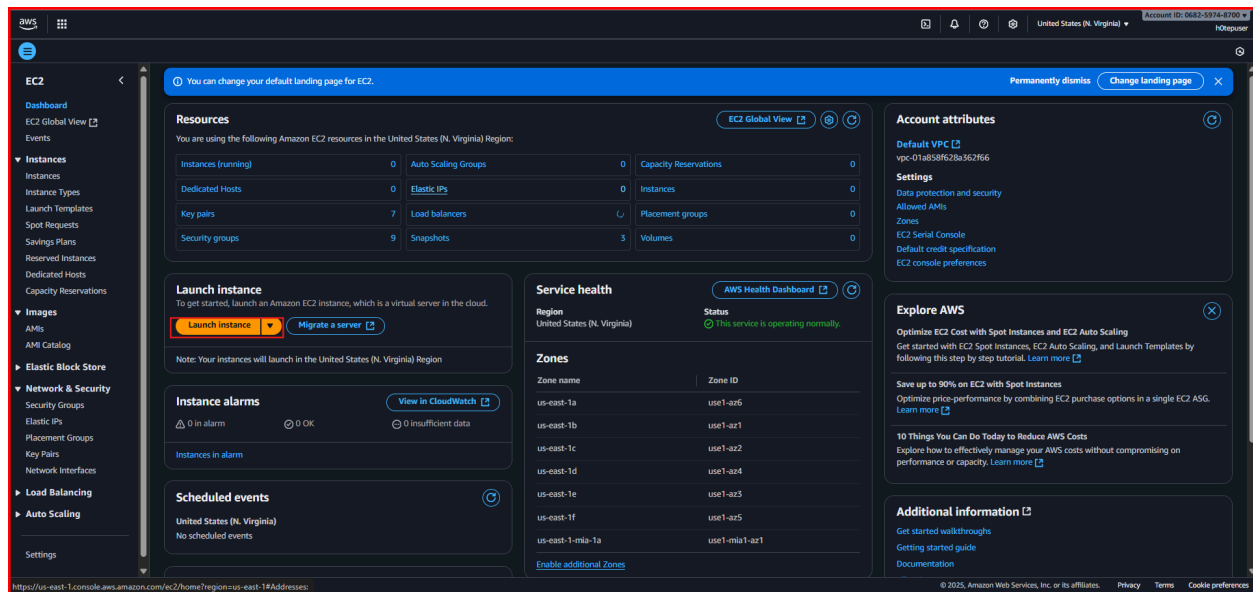


This is a How-To document that walks you through the process of configuring and tearing down an AWS EC2 instance.

1. Once you have logged into your AWS console, you have several options on how to access the EC2 service.
 1. If you have been using the console frequently, an icon will be displayed in the recently added widget.
 2. There will be an additional icon listed under the 'AWS' logo in the top left corner of the console.
 3. The search bar immediately to the right of the "AWS" icon on the top left.

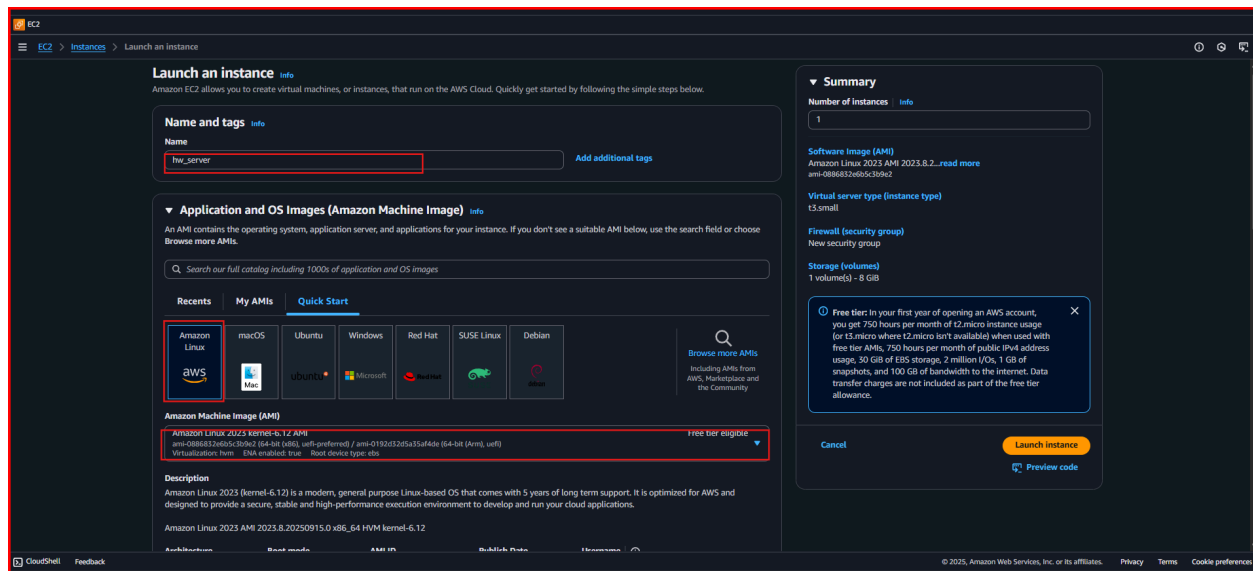


2. Once you have clicked on the EC2 icon, you will be led to the EC2 Dashboard. Make sure to click on the big orange button in the Launch Instance widget.



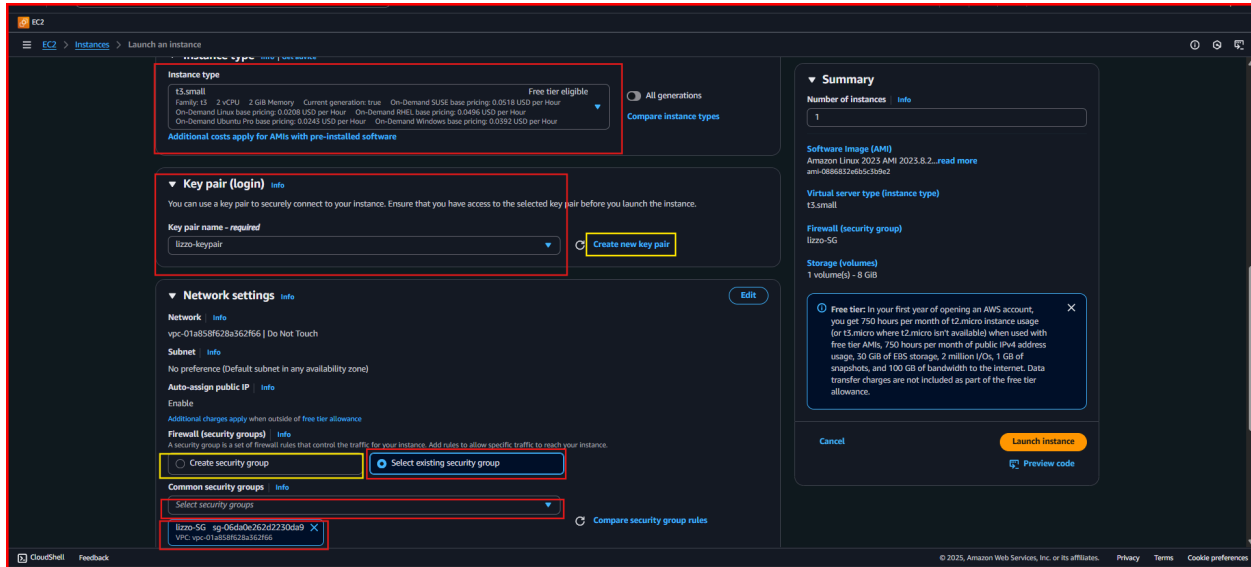
3. From here you will start to configure how you want the instance to be set up:

1. First, you will select any name of your choosing under the 'Name and tags' widget.
2. Select the AMI of your choosing (For now, we will use Amazon Linux).
3. At the drop-down menu, make sure that the AMI you choose is under the 'Free tier eligible'.

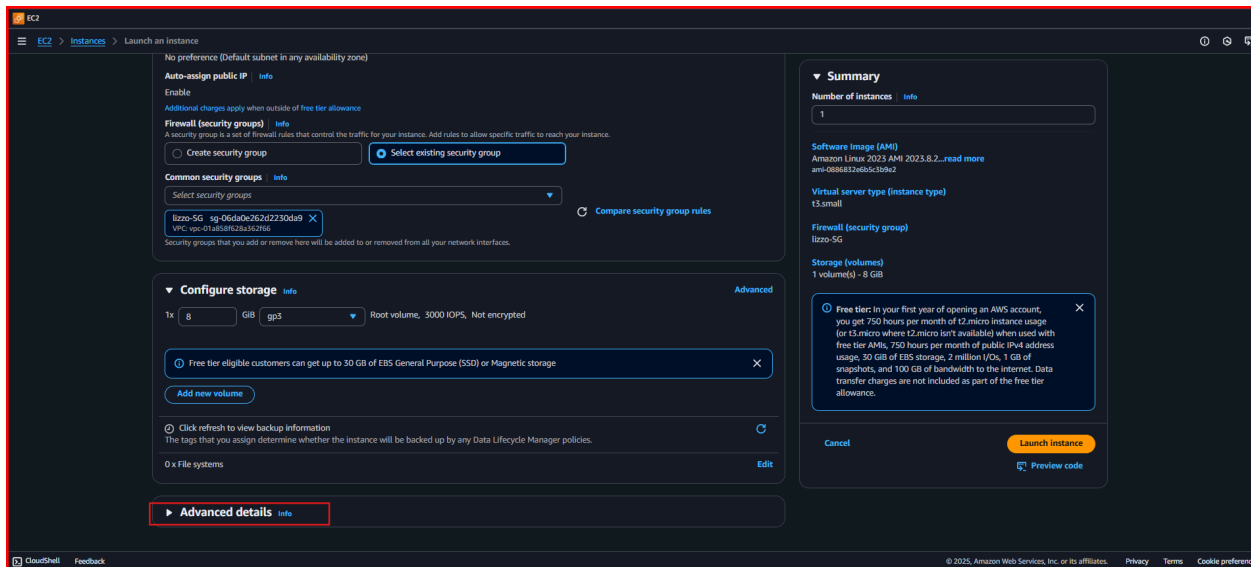


4. Configuration continued:

- a. Select the instance type. Make sure that it is 'Free-tier eligible'
- b. Select a key pair:
 - i. If you don't have a key pair available, you can create one by clicking on 'Create new key pair'
- c. Select an existing security group
 - i. If need be can create a new security group




5. From here, you will scroll down to 'Advanced details' and click the drop-down,



6. Scroll all the way down to 'user data'. From here you have the option of copying just the raw test of your script to empty field. Or, you can simply upload the document with the 'Choose file' icon.

Metadata version | [Info](#)

V2 only (token required) ▼

 For V2 requests, you must include a session token in all instance metadata requests. Applications or agents that use V1 for instance metadata access will break.

Metadata response hop limit | [Info](#)


2

Allow tags in metadata | [Info](#)

Select ▼

User data - optional | [Info](#)

Upload a file with your user data or enter it in the field.

 **Choose file**

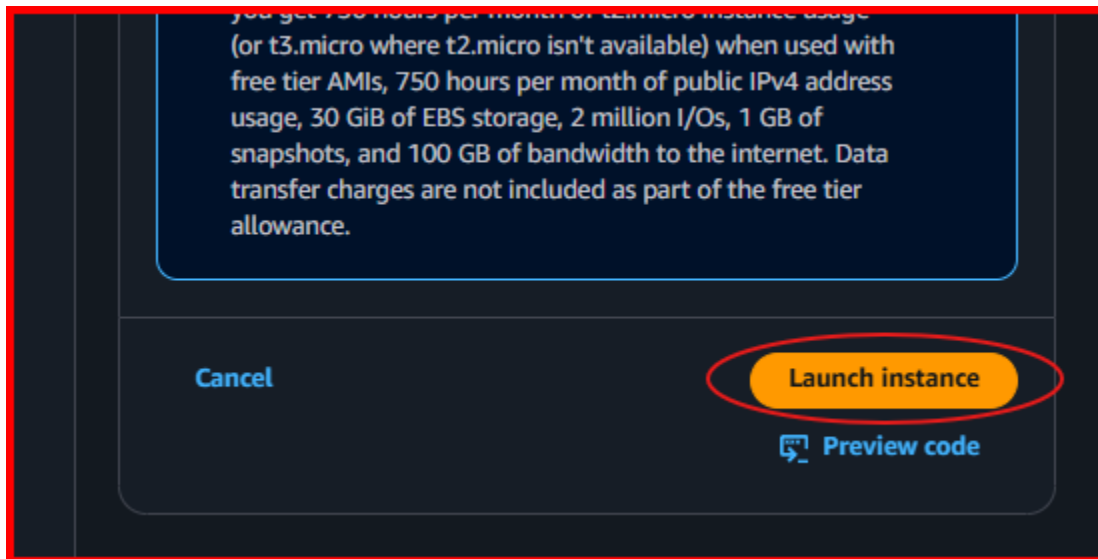
```
#!/bin/bash
# Use this for your user data (script from top to bottom)
# install httpd (Linux 2 version)
yum update -y
yum install -y httpd
systemctl start httpd
systemctl enable httpd

# Get the IMDSv2 token
TOKEN=$(curl -X PUT "http://169.254.169.254/latest/api/token" -H "X-aws-ec2-metadata-token-ttl-seconds: 21600")

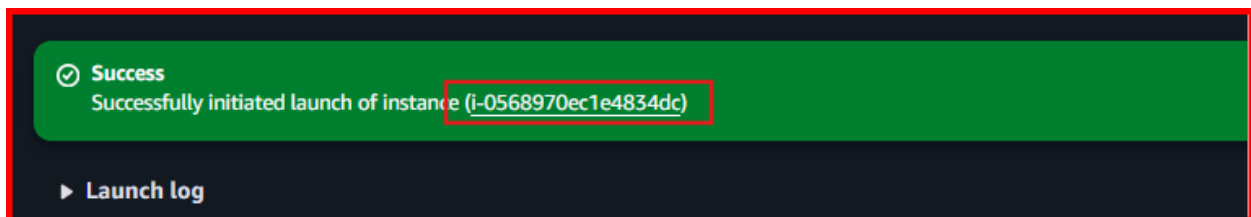
# Background the curl requests
curl -H "X-aws-ec2-metadata-token: $TOKEN" -s http://169.254.169.254/latest/meta-data/local-ipv4 &> /tmp/local_ipv4 &
```

☐ User data has already been base64 encoded

7. Once done. Click the orange 'Launch instance' button to the right



8. After you have successfully launched the instance, click on the link that has the the parenthesis. As indicated below.



9. From the instance summary page, you have all the information you need about your instance. As indicated below, you have two options to launch the homepage. Both will lead to the homepage that the EC2 deployed once it was launched.

Instance summary for i-0568970ec1e4834dc (hw_server) Info

Updated less than a minute ago

Connect Instance state Actions

Instance ID i-0568970ec1e4834dc	Public IPv4 address 35.172.180.139 open address	Private IPv4 addresses 172.31.27.35
IPv6 address -	Instance state Running	Public DNS ec2-35-172-180-139.compute-1.amazonaws.com open address
Hostname type IP name: ip-172-31-27-35.ec2.internal	Private IP DNS name (IPv4 only) ip-172-31-27-35.ec2.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t3.small	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address 35.172.180.139 [Public IP]	VPC ID vpc-01a858f628a362f66 (Do Not Touch)	Auto Scaling Group name -
IAM Role -	Subnet ID subnet-08cb4535ac6ab0534	Managed false
IMDSv2 Required	Instance ARN arn:aws:ec2:us-east-1:068259748700:instance/i-0568970ec1e4834dc	
Operator -		

Details Status and alarms Monitoring Security Networking Storage Tags

▼ Instance details Info

AMI ID ami-0886832e6b5c3b9e2	Monitoring disabled	Platform details Linux/UNIX
AMI name al2023-ami-2023.8.20250915.0-kernel-6.12-x86_64	Allowed image -	Termination protection Disabled
Stop protection Disabled	Launch time Tue Sep 30 2025 18:06:41 GMT-0400 (Eastern Daylight Time) (1 minute)	AMI location amazon/al2023-ami-2023.8.20250915.0-kernel-6.12-x86_64

10. Whether you are using the Public DNS or the Public IPv4 address, please be sure to include 'http://' before pasting in the respective IP or URL

← → ↺ 🏠 🔍 http://35.172.180.139

Class7 Resources AppSe

Details for EC2 instance - http://35.172.180.139

11. Successful launch of the Homepage.

AWS Instance Details

Samurai Katana



insert an image or GIF

Instance Name: ip-172-31-27-35.ec2.internal

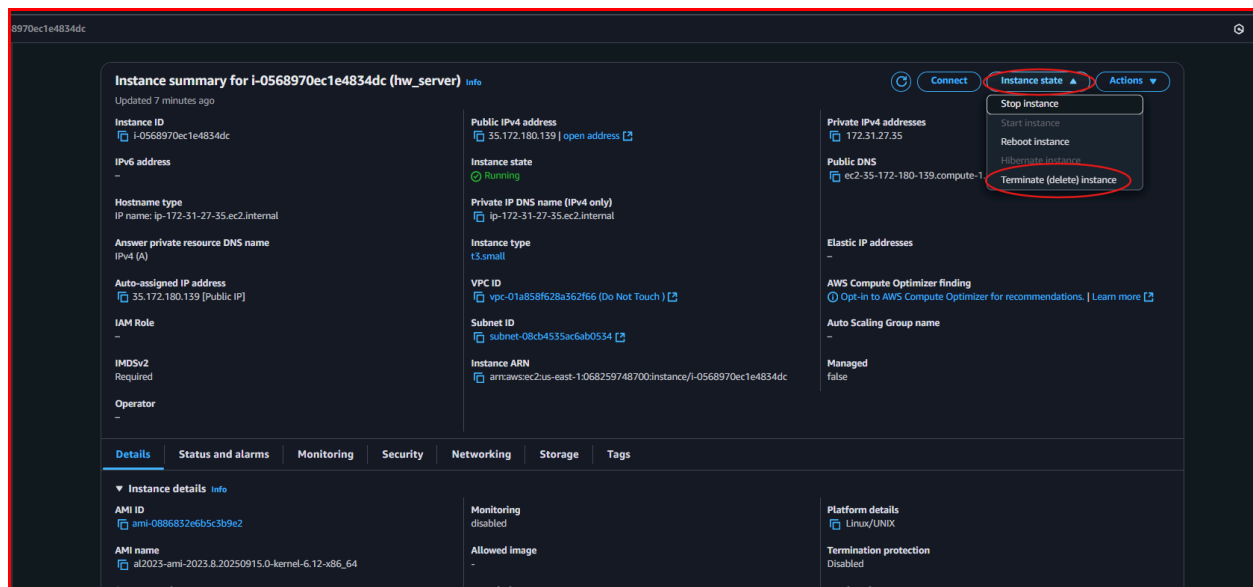
Instance Private Ip Address: 172.31.27.35

Availability Zone: us-east-1d

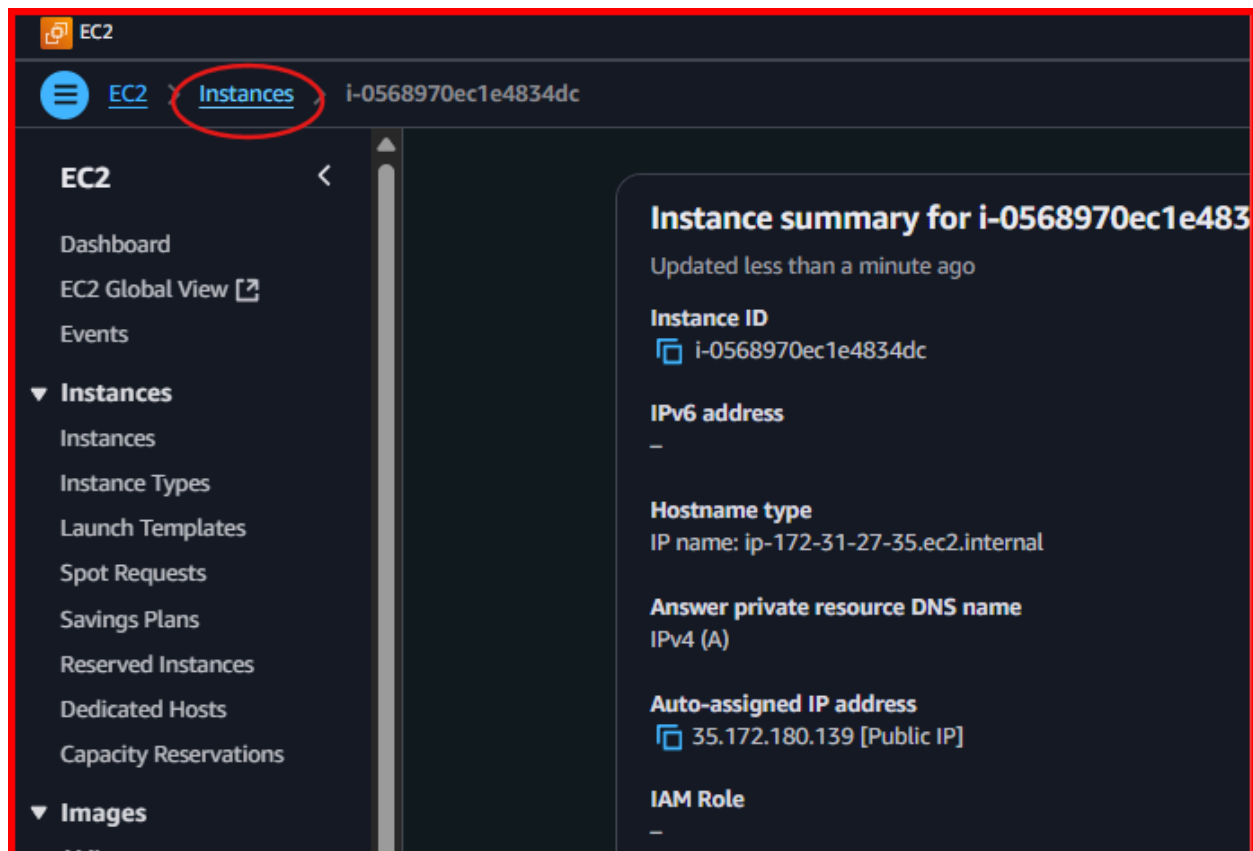
Virtual Private Cloud (VPC): vpc-01a858f628a362f66

Teardowns:







1. As indicated by the pictures, below, click on the 'Instance State' tab to the right.
2. From the drop-down menu, click 'Terminate'



Click on the 'instance' link on the left to verify that the shutdown has occurred.



Teardown successful.

<input checked="" type="checkbox"/>	Name 	Instance ID	Instance state 	Instance type 	Status check
<input checked="" type="checkbox"/>	hw_server	i-0568970ec1e4834dc	 Terminated  	t3.small	-