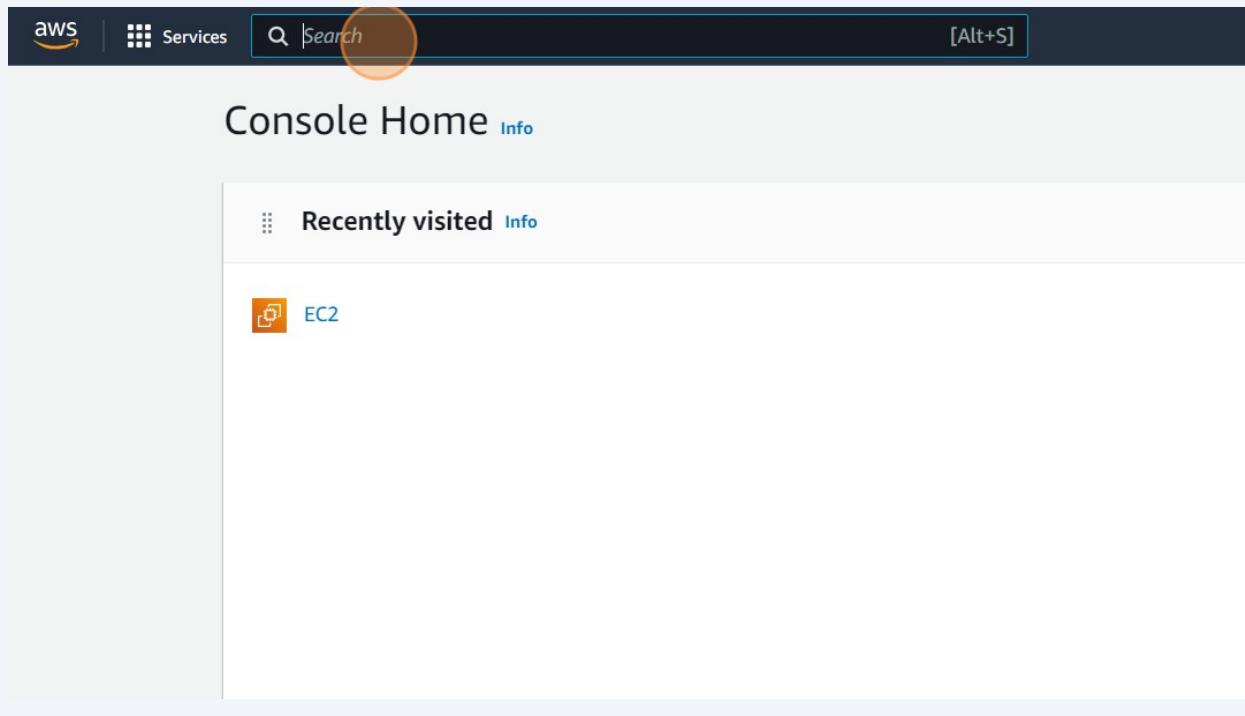


Launching EC2 instance in aws console and Scribe

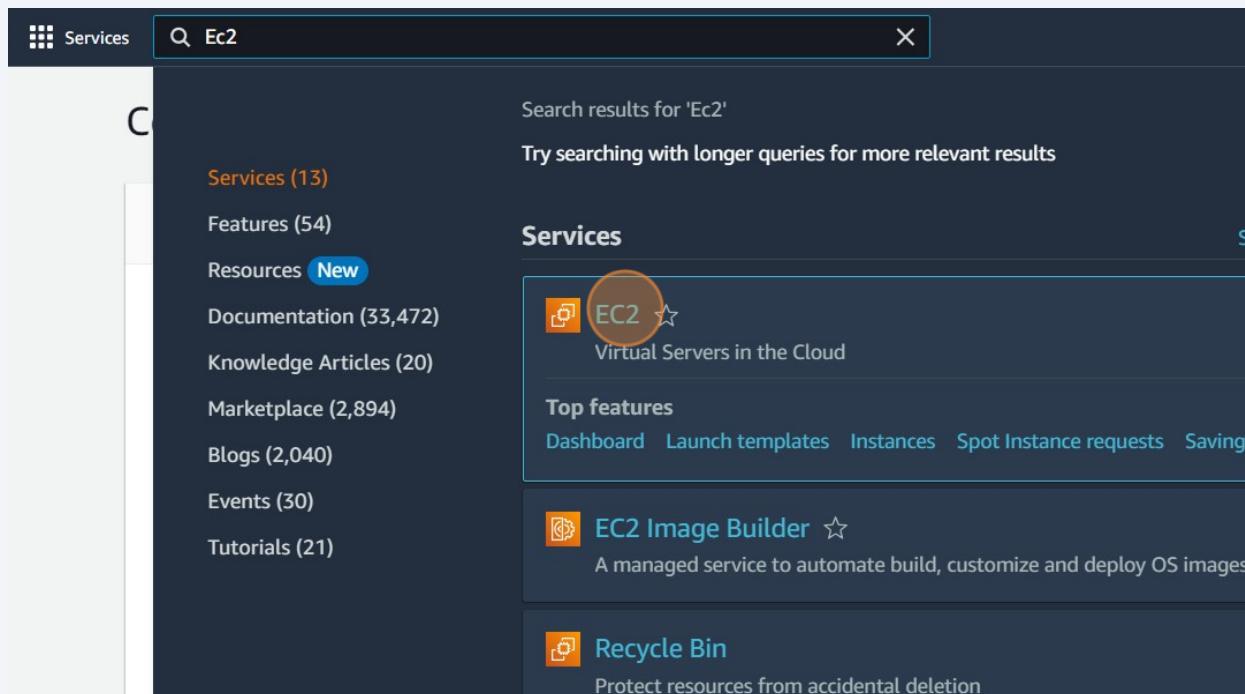
Connect instance with aws terminal

- 1 Click the "Search" field.

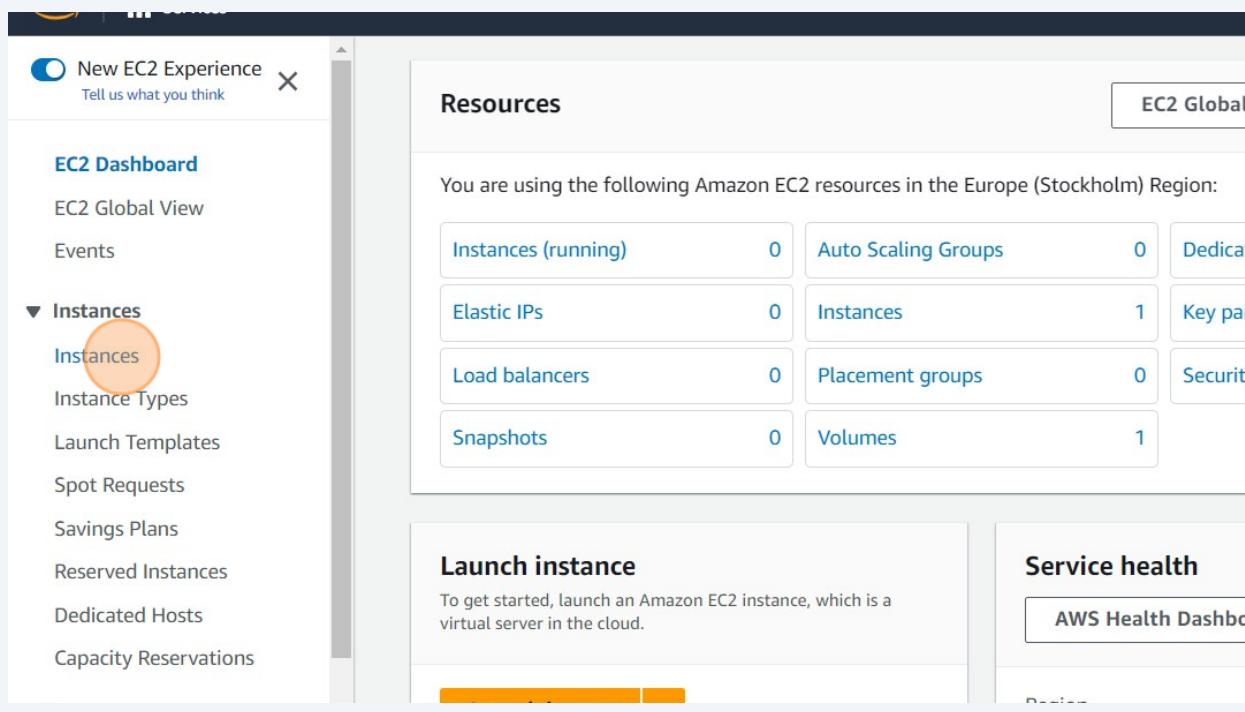


- 2 search EC2

3 Click "EC2"



4 Click on "Instances"



- 5 Click the "Name" field. To give name to your instance

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name

e.g. My Web Server

Add additional tags

▼ Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

- 6 Select OS to instance.

below

Search our full catalog including 1000s of application and OS images

Recents

Quick Start

Amazon Linux



macOS



Ubuntu



Windows



Red Hat



SUSE Li



Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI

ami-0703b5d7f7da98d1e (64-bit (x86)) / ami-039bd1903a607d247 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

Description

Amazon Linux 2023 AMI 2023.2.20230920.1 x86_64 HVM kernel-6.1

7 I'm going with the free tier AMI

The screenshot shows the AWS Lambda console interface. In the center, there's a search bar with placeholder text "Search our full catalog including 1000s of application and OS images". Below it, there are two tabs: "Recents" and "Quick Start", with "Quick Start" being the active tab. A grid of logos for various operating systems and distributions is displayed, including Amazon Linux, macOS, Ubuntu, Windows, Red Hat, and SUSE Linux. To the right of the grid, there's a button labeled "Browse more AMIs" and a note stating "Including AMIs from AWS, Marketplace and the Community". A callout bubble highlights the "Free tier eligible" status of the selected Canonical, Ubuntu, 22.04 LTS AMI. The summary panel on the right shows details like the number of instances (1), software image (Canonical, Ubuntu, 22.04 LTS), virtual server type (t3.micro), and storage (1 volume(s) - 8 GiB). A modal window provides a detailed explanation of the free tier benefit. At the bottom, there are buttons for "Cancel", "Launch instance", and "Review commands".

8 Select instance type. t3 micro there you can see the pricing of t3 micro instance.

The screenshot shows the AWS Lambda console interface. The left sidebar has sections for "Instance type", "Key pair (login)", and "Environment variables". The "Instance type" section is expanded, showing the "t3.micro" option. A callout bubble highlights the "Free tier eligible" status of the t3.micro instance. The "Summary" panel on the right shows the same configuration as the previous screenshot, including the number of instances (1), software image (Canonical, Ubuntu, 22.04 LTS), virtual server type (t3.micro), and storage (1 volume(s) - 8 GiB). The "Compare instance types" link is also visible in the summary panel.

9 Click "Create new key pair" Private helps us to securely connect to our instance.

The screenshot shows the AWS CloudFormation console. On the left, there's a list of resources: 'AMIs with pre-installed software' (Info), 'Virtual server type (instance type)' (t3.micro), 'Firewall (security group)' (New security group), and 'Storage (volumes)' (1 volume(s) - 8 GiB). In the center, there's a 'Create new key pair' button highlighted with an orange circle. On the right, there's a note about the free tier: 'Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month.'

10 Click the "Key pair name" field. Give name to your private key

The screenshot shows the 'Create key pair' dialog. It has fields for 'Key pair name' (with placeholder 'Enter key pair name' highlighted with an orange circle) and 'Key pair type' (RSA selected). Below that is 'Private key file format' with '.pem' selected. There are also tabs for 'Search' and 'Settings' on the left.

11 Click "RSA" keep it default

Key pair (login) Info

Key pair name - required

cf0ebf7f

Key pair type: RSA

Private key file format: .pem

⚠️ When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance.

Create key pair

Key pair name

Key pairs allow you to connect to your instance securely.

Enter key pair name

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

RSA

RSA encrypted private and public key pair

ED25519

ED25519 encrypted private and public key pair

Private key file format

.pem

For use with OpenSSH

.ppk

For use with PuTTY

⚠️ When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance.

12 Click ".pem" .pem for use with openssh and .ppk for use with putty

Key pair (login) Info

Key pair name - required

Network settings Info

Subnet: 00430c4b5cf0ebf7f

Default subnet: preference (Default subnet in any availability zone)

Assign public IP: Info

Role: [REDACTED]

Enter key pair name

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

RSA

RSA encrypted private and public key pair

ED25519

ED25519 encrypted private and public key pair

Private key file format

.pem

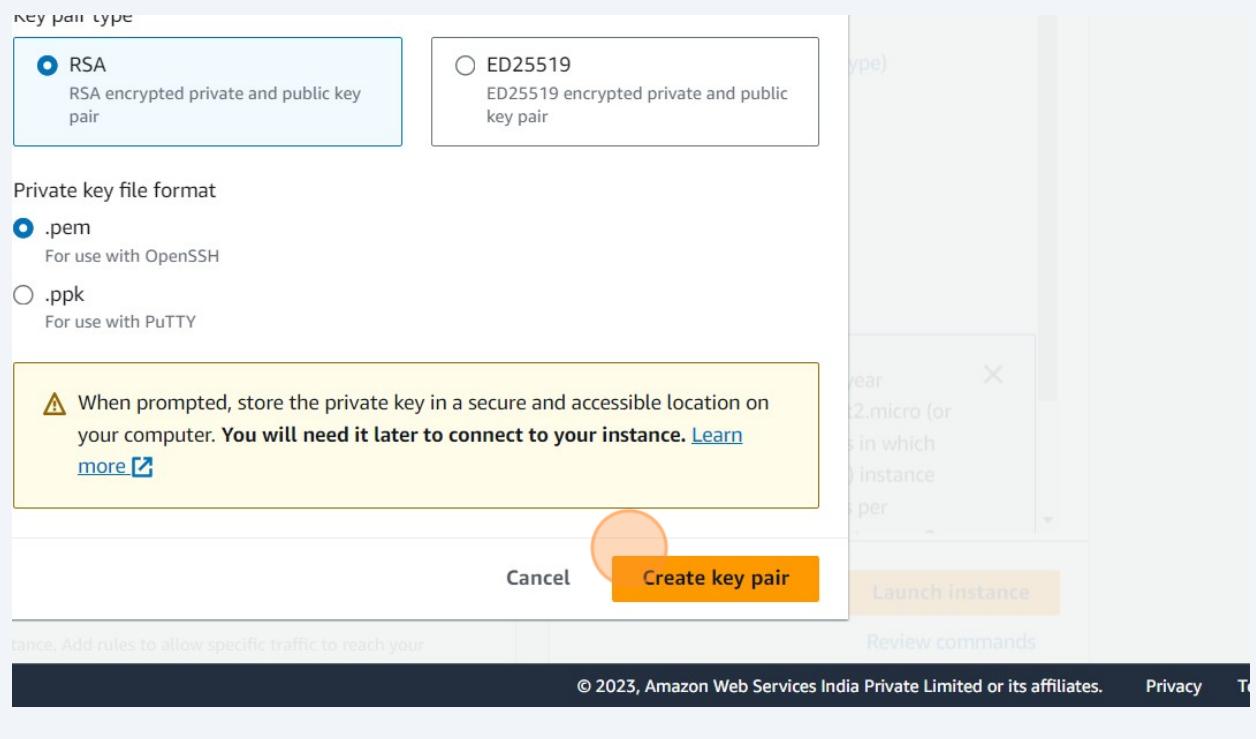
For use with OpenSSH

.ppk

For use with PuTTY

⚠️ When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. [more](#)

13 Click here.



14 a copy of private key will download in your system.

15 It will show your key

The screenshot shows the 'Key pair (login)' section of the AWS Lambda function configuration. A dropdown menu is open, showing 'demoinsKeypair' as the selected value. An orange circle highlights this dropdown. To the right of the dropdown is a 'Create new key pair' button.

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*

demoinsKeypair

Create new key pair

Network settings Info

Network Info
vpc-00430c4b5cf0ebf7f

Subnet Info
No preference (Default subnet in any availability zone)

Edit

16 For now I'm keeping it default

The screenshot shows the 'Network settings' section of the AWS Lambda function configuration. The 'Network' field is set to 'vpc-00430c4b5cf0ebf7f'. The 'Subnet' field is set to 'No preference (Default subnet in any availability zone)', with an orange circle highlighting the word 'zone'. Below these fields are 'Auto-assign public IP' and 'Enable' options. Under 'Firewall (security groups)', there is a note about security groups and two buttons: 'Create security group' (selected) and 'Select existing security group'. At the bottom, a note states: 'We'll create a new security group called 'launch-wizard-2' with the following rules:'

Key pair name - *required*

demoinsKeypair

Create new key pair

Network settings Info

Network Info
vpc-00430c4b5cf0ebf7f

Subnet Info
No preference (Default subnet in any availability zone)

Auto-assign public IP Info
Enable

Firewall (security groups) Info

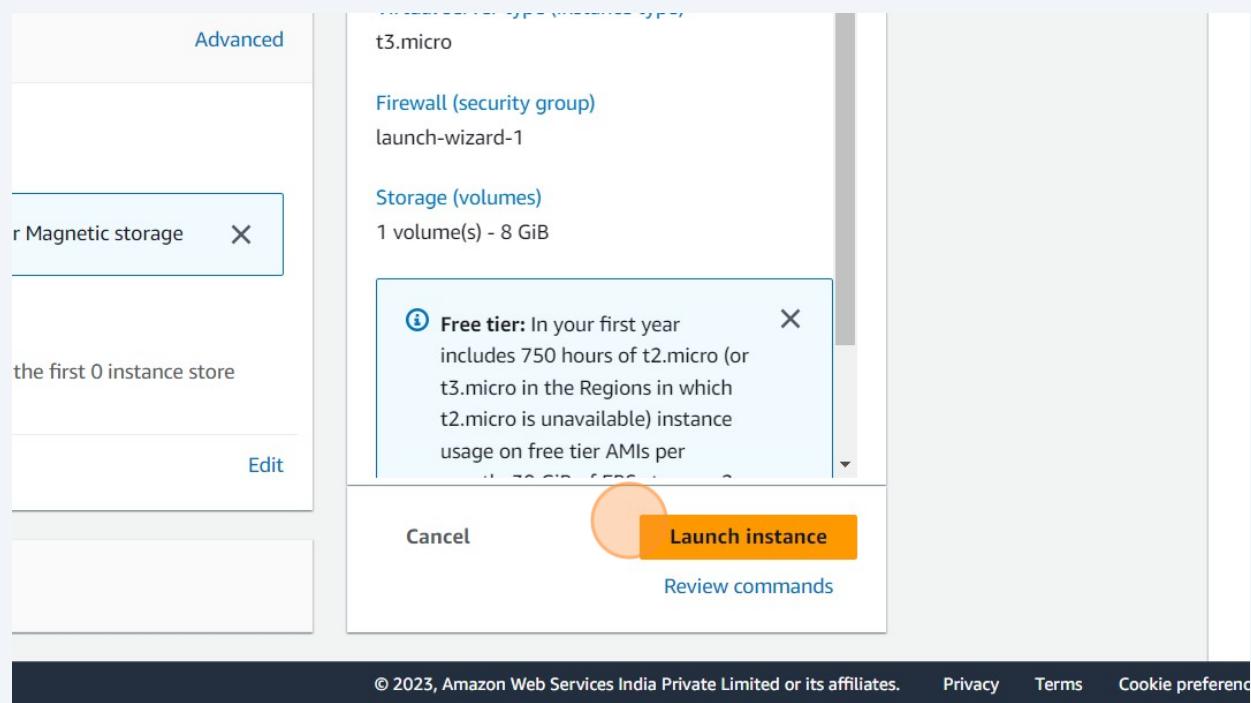
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group

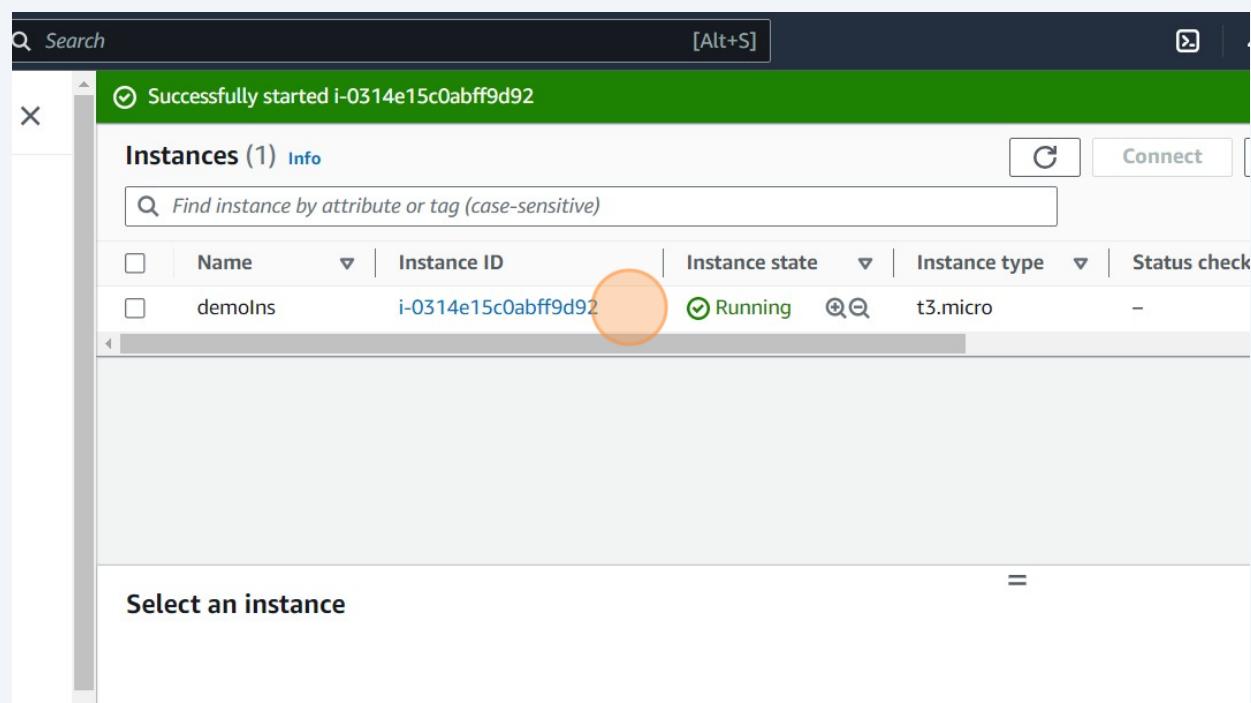
Select existing security group

We'll create a new security group called 'launch-wizard-2' with the following rules:

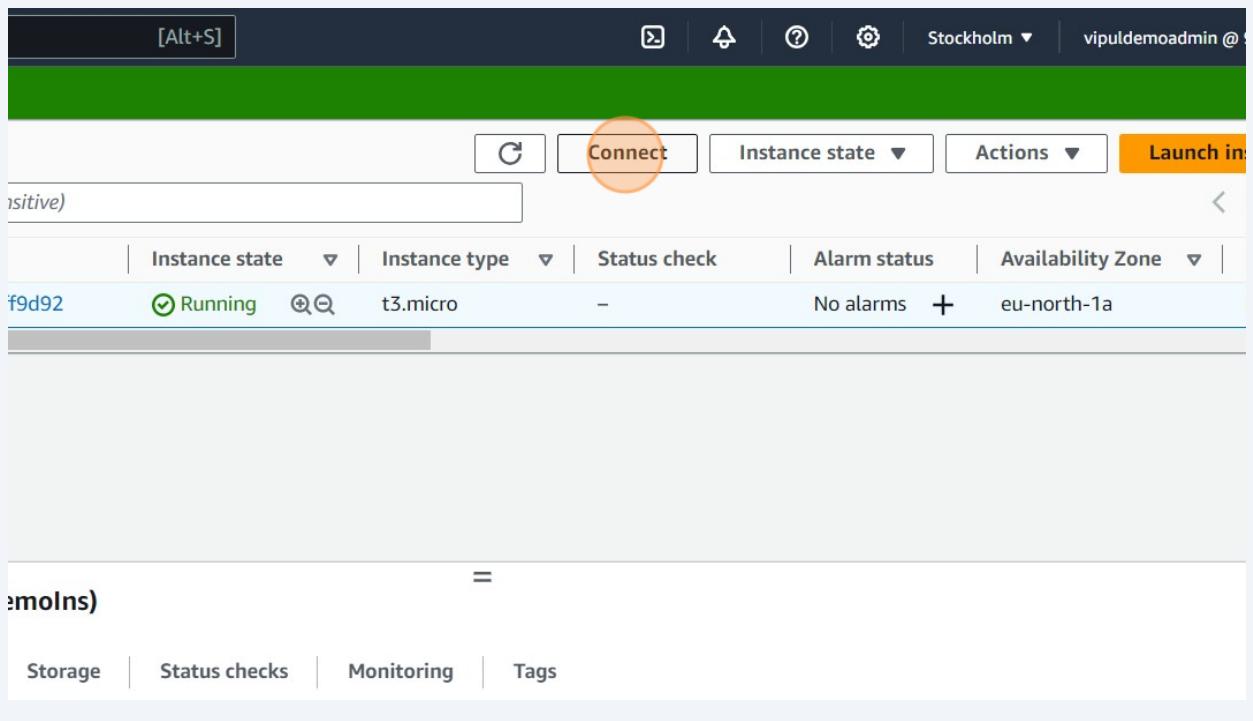
17 Click on launch instance .



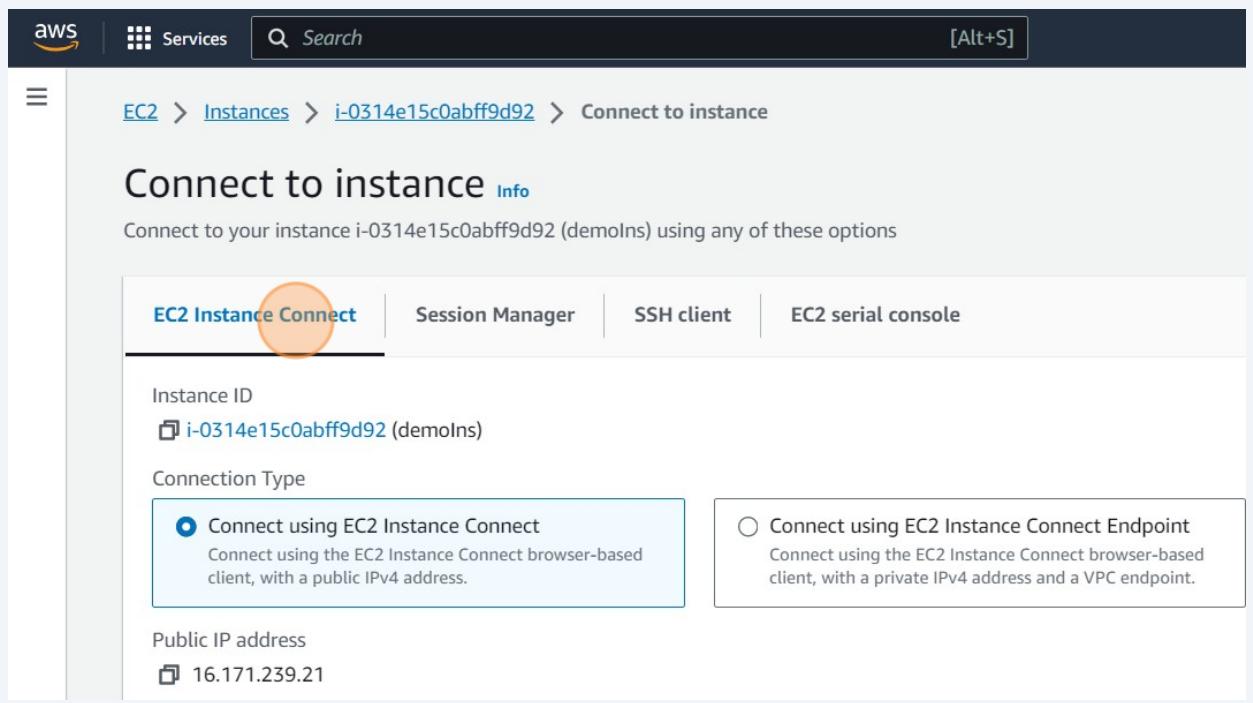
18 Now the instance is successfully launched and the state is running



19 Click "Connect" to connect instance with aws terminal



20 Click "EC2 Instance Connect"



21

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

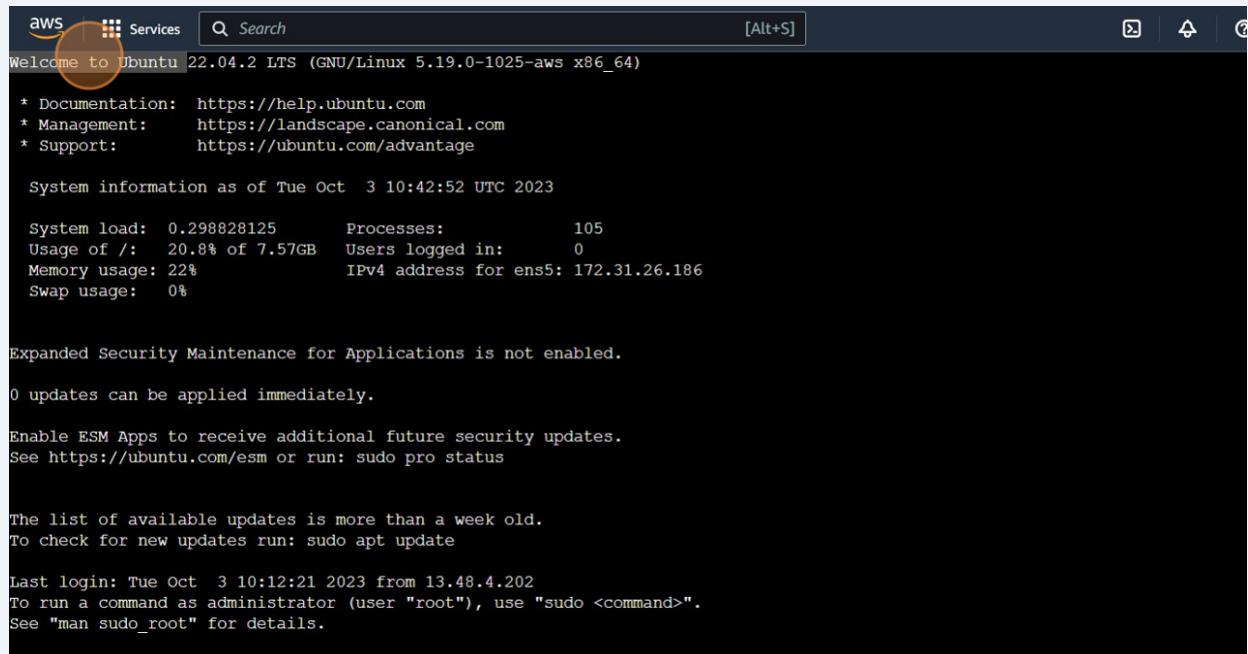
The screenshot shows the EC2 Instance Connect interface. At the top, there are tabs: EC2 Instance Connect (which is selected), Session Manager, SSH client, and EC2 serial console. Below the tabs, the Instance ID is listed as i-0314e15c0abff9d92 (demoIns). The Connection Type section contains two options: 'Connect using EC2 Instance Connect' (selected) and 'Connect using EC2 Instance Connect Endpoint'. A note below the first option states: 'Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.' The second option has a note: 'Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.' Under 'Public IP address', it shows 16.171.239.21. In the 'User name' field, 'ubuntu' is entered. A note at the bottom right says: 'Note: In most cases, the default user name, ubuntu, is correct. However, read your AMI usage instructions to determine the correct user name.'

22

Click on "Connect"

The screenshot shows a modal dialog box titled 'Connect using EC2 Instance Connect Endpoint'. It contains the same two connection options as the main interface: 'Connect using EC2 Instance Connect' and 'Connect using EC2 Instance Connect Endpoint'. The note below the first option is: 'Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.' The note below the second option is: 'Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.' Below the dialog, a note says: 'the instance. If you didn't define a custom user name, use the default user name, ubuntu, is correct. However, read your AMI usage instructions to determine the correct user name.' At the bottom of the dialog, there are 'Cancel' and 'Connect' buttons, with 'Connect' being highlighted with a yellow circle.

23 We entered in our ec2 instance



```
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.19.0-1025-aws x86_64)

 * Documentation: https://help.ubuntu.com
 * Management: https://landscape.canonical.com
 * Support: https://ubuntu.com/advantage

System information as of Tue Oct 3 10:42:52 UTC 2023

System load: 0.298828125 Processes: 105
Usage of /: 20.8% of 7.57GB Users logged in: 0
Memory usage: 22% IPv4 address for ens5: 172.31.26.186
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

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

Last login: Tue Oct 3 10:12:21 2023 from 13.48.4.202
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
```

i-0314e15c0abff9d92 (demolins)