






TASK 2: Launching EC2 instance of Linux AMI and connecting it through SSH.

STEP 1: Login to the AWS managem


 Services [Alt+S]

 Stockholm vinayaka H.M

Console Home Info


Reset to default layout Add widgets

Welcome to AWS




Getting started with AWS

Learn the fundamentals and find valuable information to get the most out of AWS.



Training and certification

Learn from AWS experts and advance your skills and knowledge.



What's new with AWS?

Discover new AWS services, features, and Regions.

AWS Health Info


Open issues
0
Past 7 days

Scheduled changes
0
Upcoming and past 7 days

Other notifications
0
Past 7 days

Go to AWS Health

Cost and usage Info

 CloudShell Feedback

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STEP 2: Now you can search the service called EC2 and click on EC2 it will redirect to EC2 d

The screenshot displays the AWS Management Console interface. At the top, the navigation bar includes the AWS logo, a 'Services' menu, a search bar with the placeholder text 'Search' and a keyboard shortcut '[Alt+S]', and user information for 'vinayaka H.M.' in the 'Stockholm' region. A left-hand navigation pane lists various service categories: 'Recently visited', 'Favorites', and 'All services'. The 'All services' list includes Analytics, Application Integration, AWS Cost Management, Blockchain, Business Applications, Compute, Containers, Customer Enablement, Database, Developer Tools, End User Computing, Front-end Web & Mobile, Game Development, and Internet of Things. The main content area features a 'Recently visited' panel with a close button (X). This panel lists 'Console Home', 'EC2' (marked with a star and described as 'Virtual Servers in the Cloud'), 'S3' (described as 'Scalable Storage in the Cloud'), and 'RDS' (described as 'Managed Relational Database Service'). Above the 'Recently visited' list are two buttons: 'Reset to default layout' and '+ Add widgets'. The bottom of the screen shows a footer with the URL 'https://eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1', copyright information '© 2023, Amazon Web Services India Private Limited or its affiliates.', and links for 'Privacy', 'Terms', and 'Cookie preferences'.

aws Services Search [Alt+S]

Stockholm vinayaka H.M.

Reset to default layout + Add widgets

Recently visited

Console Home
View resource insights, service shortcuts, and feature updates

☆ **EC2**
Virtual Servers in the Cloud

S3
Scalable Storage in the Cloud

RDS
Managed Relational Database Service

Recently visited

Favorites

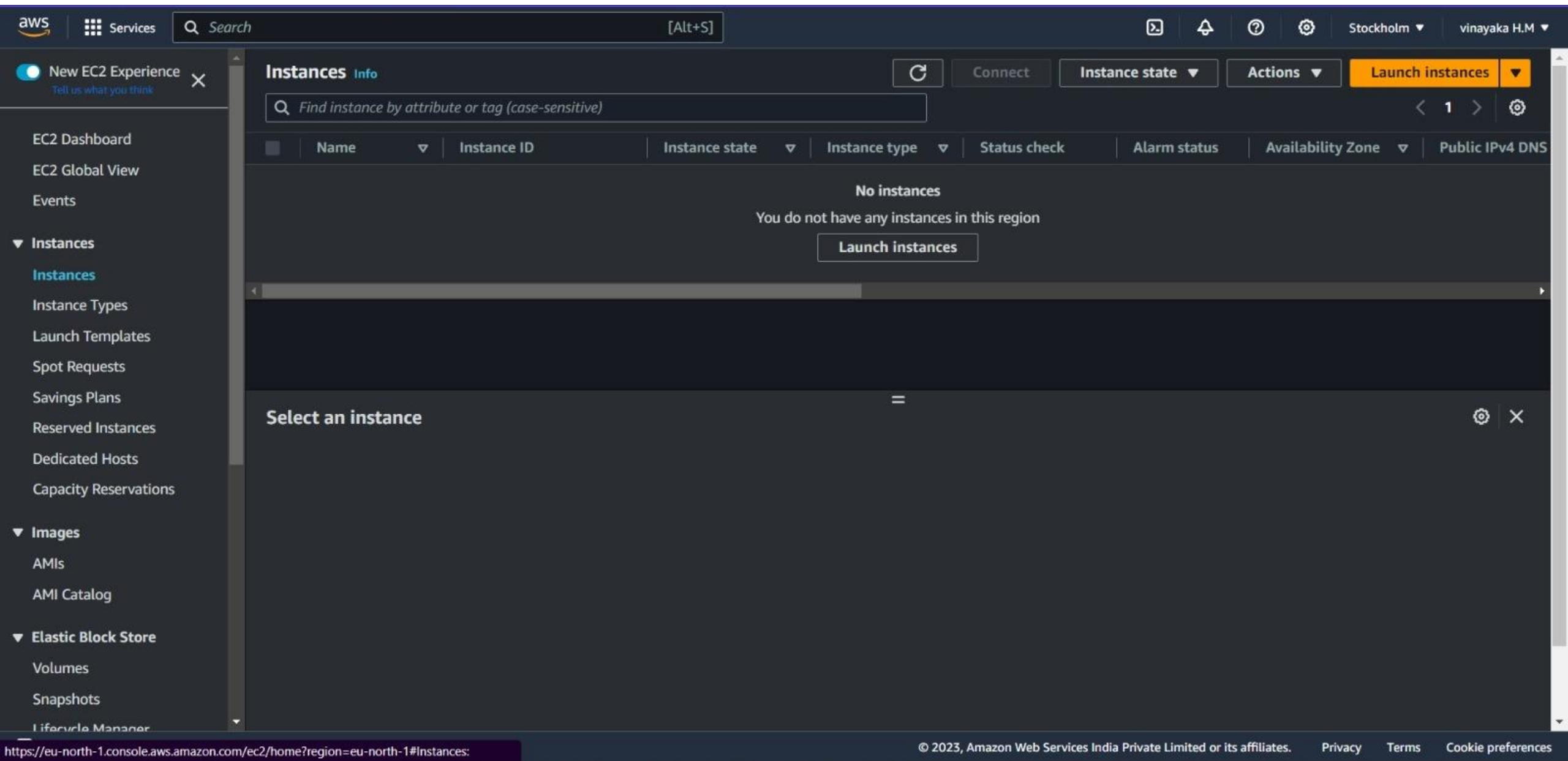
All services

- Analytics
- Application Integration
- AWS Cost Management
- Blockchain
- Business Applications
- Compute
- Containers
- Customer Enablement
- Database
- Developer Tools
- End User Computing
- Front-end Web & Mobile
- Game Development
- Internet of Things

https://eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1

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STEP 3: Now in EC2 dashboard option called launch instance is there click on that.



STEP 4: Now we can configure EC2 instance configuration.

1. Give proper name for your EC2 in

aws Services Search [Alt+S]

EC2 > Instances > Launch an 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

 [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

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

Quick Start

[Amazon](#)[macOS](#)[Ubuntu](#)[Windows](#)[Red Hat](#)[SUSE Li](#)

▼ Summary

Number of instances [Info](#)

Software Image (AMI)

Amazon Linux 2023 AMI 2023.2.2...[read more](#)
ami-071df4a41c6f9ee2e

Virtual server type (instance type)

t3.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

[i](#) **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

[Cancel](#)[Launch instance](#)[Review commands](#)

2. Select the required AMI.(Here Linux AMI we need)

aws

Services

Search

[Alt+S]

Stockholm

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Application and OS Images (Amazon Machine Image)

Info

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

Quick Start

Amazon Linux

aws

macOS

Mac

Ubuntu

ubuntu

Windows

Microsoft

Red Hat

Red Hat

SUSE Li

SUSE

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI

Free tier eligible

ami-071df4a41c6f9ee2e (64-bit (x86)) / ami-06f913a82bea1dc7a (64-bit (Arm))

Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Amazon Linux 2023 AMI 2023.2.20231002.0 x86_64 HVM kernel-6.1

Architecture

AMI ID

Verified provider

64-bit (x86)

ami-071df4a41c6f9ee2e

Summary

Number of instances

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.2.2...read more

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Cancel

Launch instance

Review commands

CloudShell

Feedback

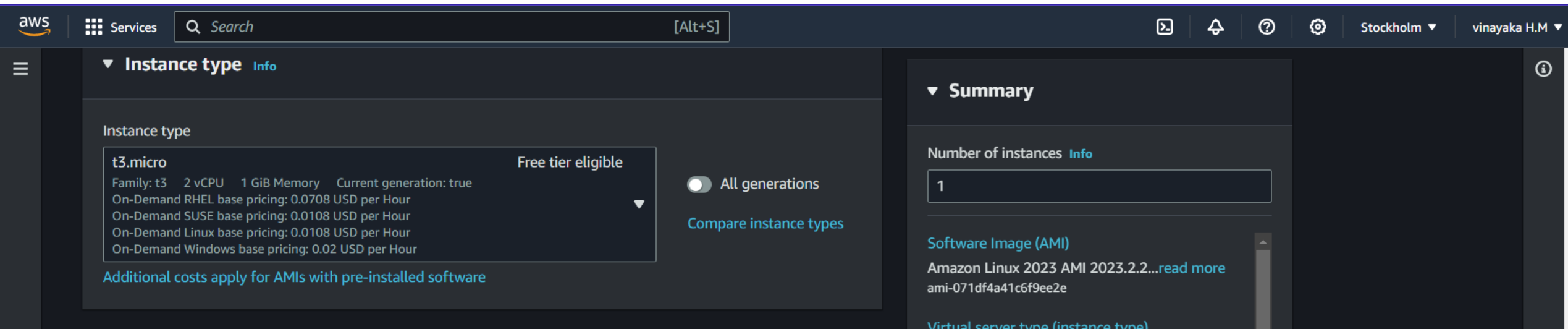
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Terms

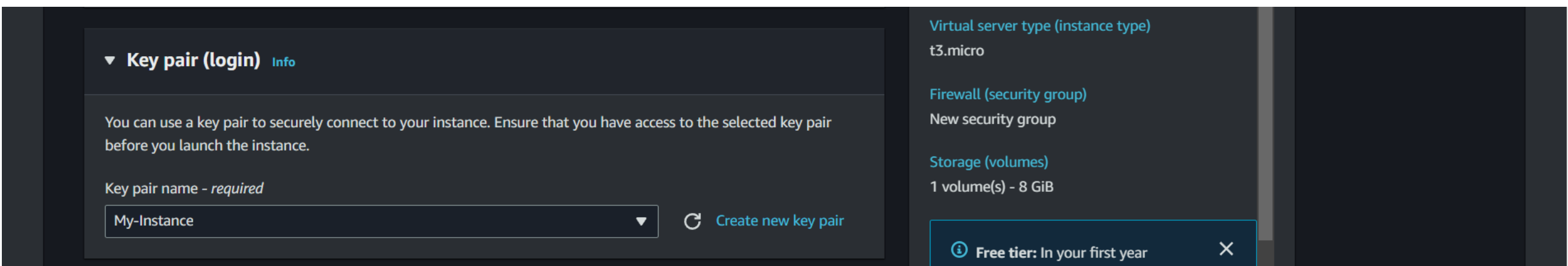
Cookie preferences

3. Choose required instance type(here we are selecting free tier eligible instance type t2.micro or t3.micro)



The screenshot displays the AWS Management Console interface for selecting an instance type. The top navigation bar includes the AWS logo, 'Services', a search bar, and user information for 'vinayaka H.M' in the 'Stockholm' region. The main content area is divided into two panels. The left panel, titled 'Instance type', shows the 't3.micro' instance type selected, which is 'Free tier eligible'. It lists specifications: Family: t3, 2 vCPU, 1 GiB Memory, and Current generation: true. Pricing information is provided for On-Demand RHEL (0.0708 USD per Hour), On-Demand SUSE (0.0108 USD per Hour), On-Demand Linux (0.0108 USD per Hour), and On-Demand Windows (0.02 USD per Hour). A toggle for 'All generations' is set to 'Off', and a link to 'Compare instance types' is visible. The right panel, titled 'Summary', shows the 'Number of instances' set to 1 and the 'Software Image (AMI)' as 'Amazon Linux 2023 AMI 2023.2.2...read more' with ID 'ami-071df4a41c6f9ee2e'. A note at the bottom indicates 'Additional costs apply for AMIs with pre-installed software'.

4. Provide Keypair(You can create new one or select existing one, here we are selecting



The screenshot displays the AWS Management Console interface for selecting a key pair. The left panel, titled 'Key pair (login)', shows a text box for 'Key pair name - required' with the value 'My-Instance'. A link to 'Create new key pair' is visible. The right panel, titled 'Virtual server type (instance type)', shows the 't3.micro' instance type selected. Below this, the 'Firewall (security group)' is set to 'New security group'. The 'Storage (volumes)' section shows '1 volume(s) - 8 GiB'. A notification at the bottom indicates 'Free tier: In your first year'.

5. Remaning keep all the configuration default.
STEP 5: After choosing all required configuration click on launch instance

aws

Services

Search

[Alt+S]

Stockholm

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Network settings

Info

Edit

Network

Info

vpc-0f24128f6e15e4969

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-10' with the following rules:

Allow SSH traffic from

Helps you connect to your instance

Anywhere

0.0.0.0/0

Allow HTTPS traffic from the internet

To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet

To set up an endpoint, for example when creating a web server

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Summary

Number of instances

Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.2.2...read more

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Cancel

Launch instance

Review commands

CloudShell

Feedback

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STEP 6: Now you have successfully launched Linux AMI

aws

Services

Search

[Alt+S]

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EC2

Instances

Launch an instance

Success

Successfully initiated launch of instance (i-0cb4b1c2771a0bcd9)

Launch log

Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup"

1

2

3

4

5

6

Create billing and free tier usage alerts

To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.

Create billing alerts

Connect to your instance

Once your instance is running, log into it from your local computer.

Connect to instance

Learn more

Connect an RDS database

Configure the connection between an EC2 instance and a database to allow traffic flow between them.

Connect an RDS database

Create a new RDS database

Learn more

Create EBS snapshot policy

Create a policy that automates the creation, retention, and deletion of EBS snapshots

Create EBS snapshot policy

Manage detailed monitoring

Create Load Balancer

Create AWS budget

Manage CloudWatch alarms

CloudShell

Feedback

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STEP 7: Now go to Ec2 dashboard click on the created EC2 instance and select connect

aws

Services

Search

[Alt+S]

New EC2 Experience

Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Instances (1/2) 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	Availability Zone	Public IPv4 DNS
<input type="checkbox"/>	My-Instance	i-00dd87e544f6f075a	Terminated	t3.micro	-	No alarms	eu-north-1a	-
<input checked="" type="checkbox"/>	Linux-instance	i-0cb4b1c2771a0bcd9	Running	t3.micro	Initializing	No alarms	eu-north-1a	ec2-13-49-76-10

Instance: i-0cb4b1c2771a0bcd9 (Linux-instance)

Details

Security

Networking

Storage

Status checks

Monitoring

Tags

Instance summary Info

Instance ID

i-0cb4b1c2771a0bcd9 (Linux-instance)

IPv6 address

-

Hostname type

IP name: ip-172-31-30-198.eu-north-1.compute.internal

Public IPv4 address

13.49.76.101 [open address](#)

Instance state

Running

Private IP DNS name (IPv4 only)

ip-172-31-30-198.eu-north-1.compute.internal

Private IPv4 addresses

172.31.30.198

Public IPv4 DNS

ec2-13-49-76-101.eu-north-1.compute.amazonaws.com [open address](#)

CloudShell

Feedback

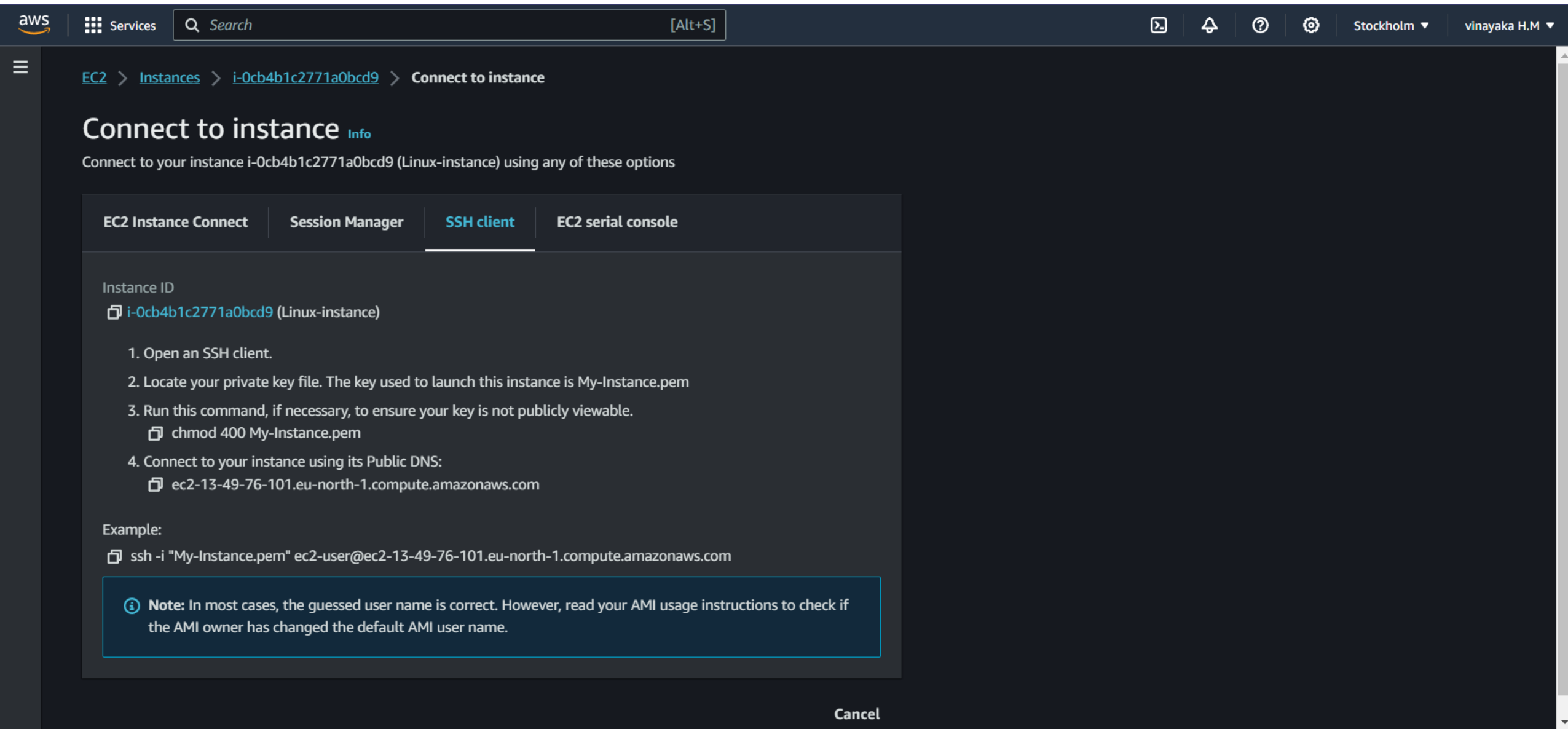
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STEP 8: Now connect the EC2 instance with option called SSH client copy the URL shown



The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, 'Services' menu, a search bar, and a keyboard shortcut '[Alt+S]'. On the right, there are icons for notifications, help, settings, and a dropdown for the region 'Stockholm' and user 'vinayaka H.M'.

The main content area shows the breadcrumb path: [EC2](#) > [Instances](#) > [i-0cb4b1c2771a0bcd9](#) > **Connect to instance**. Below this is the title 'Connect to instance' with an 'Info' link. A subtitle reads: 'Connect to your instance i-0cb4b1c2771a0bcd9 (Linux-instance) using any of these options'.

There are four tabs: 'EC2 Instance Connect', 'Session Manager', 'SSH client' (which is selected and underlined), and 'EC2 serial console'.

Under the 'SSH client' tab, the 'Instance ID' is listed as [i-0cb4b1c2771a0bcd9](#) (Linux-instance). Below this, a list of steps is provided:

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is My-Instance.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.
`chmod 400 My-Instance.pem`
4. Connect to your instance using its Public DNS:
`ec2-13-49-76-101.eu-north-1.compute.amazonaws.com`

An 'Example:' section shows the command: `ssh -i "My-Instance.pem" ec2-user@ec2-13-49-76-101.eu-north-1.compute.amazonaws.com`.

A note box at the bottom states: **Note:** In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

At the bottom right of the console area, there is a 'Cancel' button.

STEP 9: After copying the URL provided in SSH client open the git bash wherever you downloaded your keypair and paste the URL. And run the commands shown in below image then you successfully connected

[illegible]