Assignment:

****

You need to submit a recording with a small report (screenshots with descriptions and commands used) of your step by step process of 'hosting a website in AWS cloud'.

The web hosting should be done in :

(a) Ubuntu Linux OS.

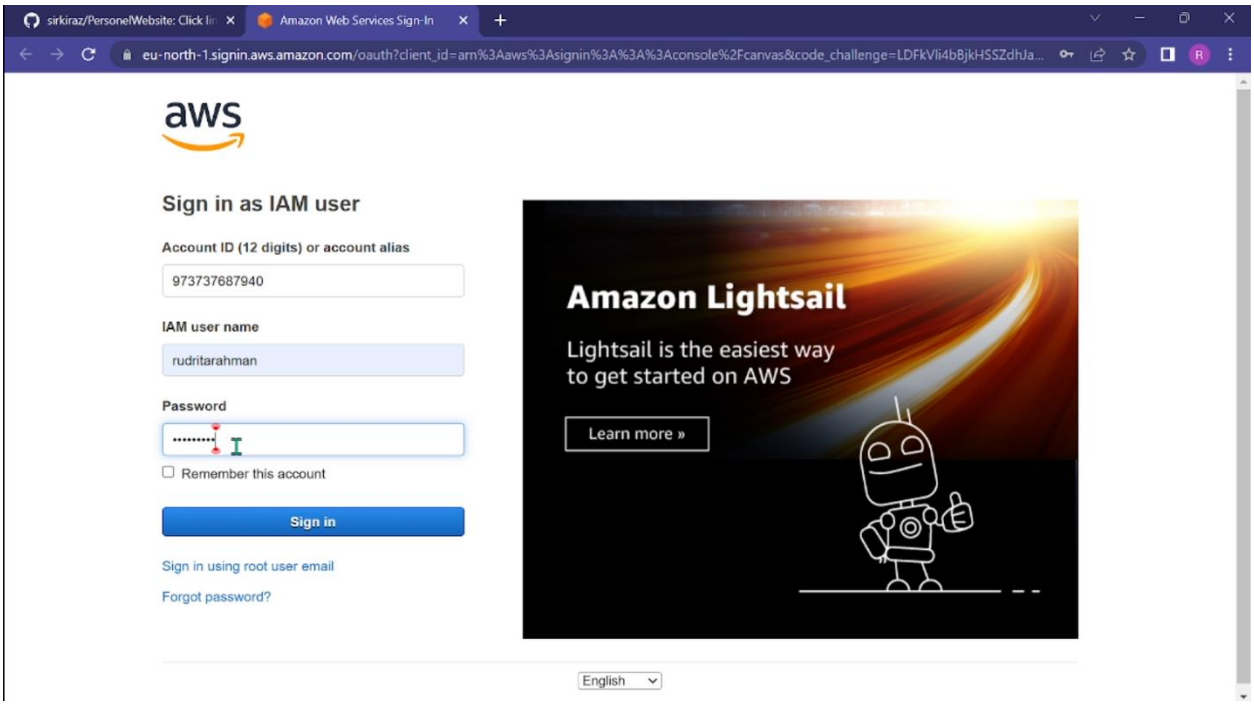
(b) Should be enabled SSH from your IP only.

(c) The target website needs to be downloaded from any GitHub repo.

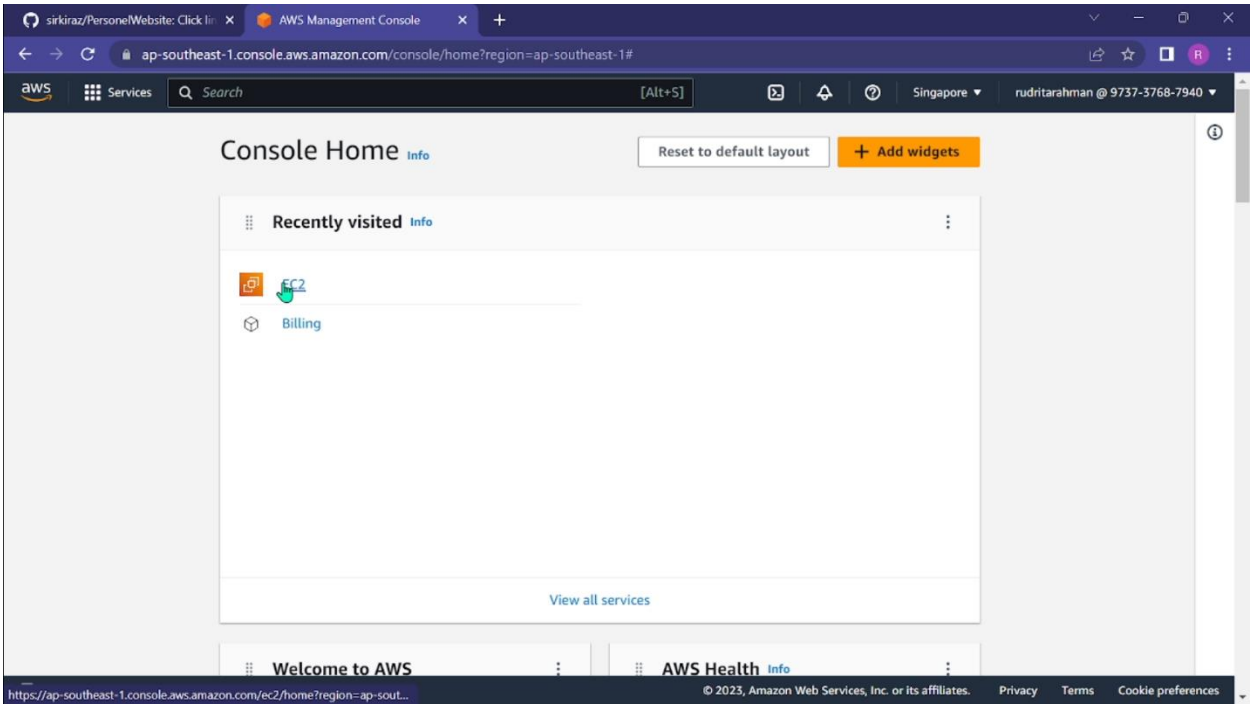
(d) Apache2 environment needs to be set up for web hosting.

Please follow the following steps to complete the given assignment:

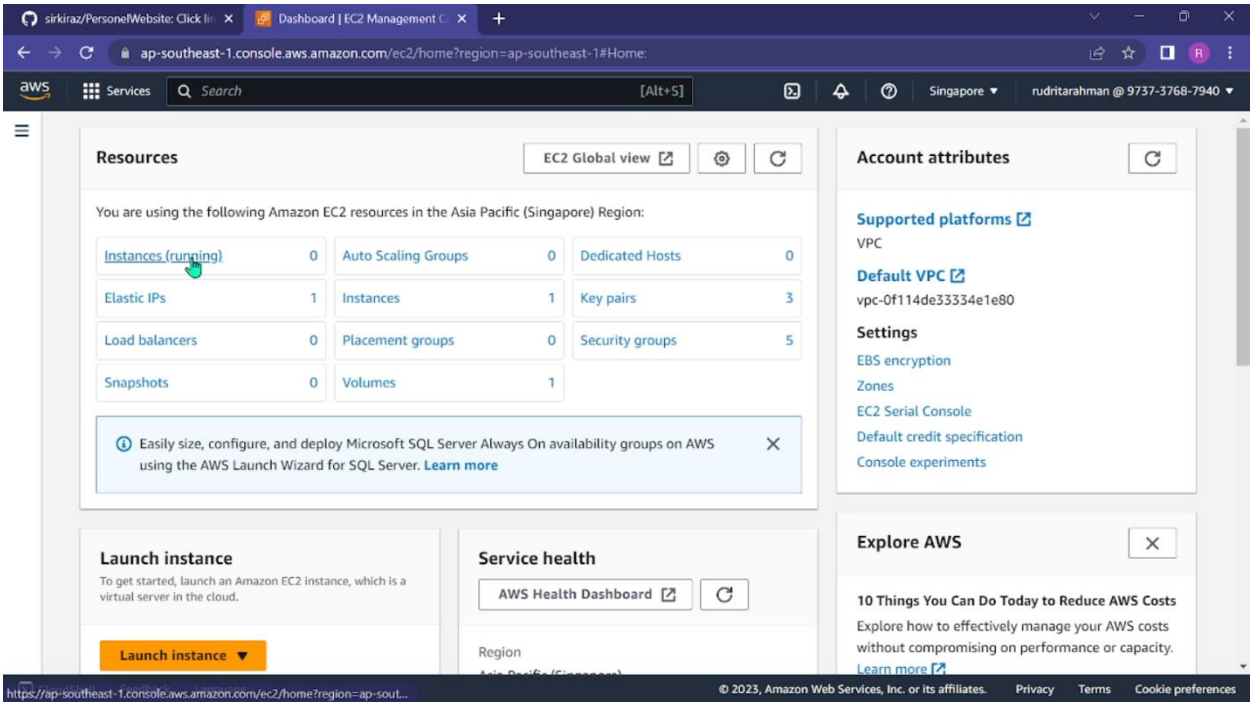
Step 1:



Step 2:



Step 3:


sirkiraz/PersonelWebsite: Click li
Dashboard | EC2 Management C
ap-southeast-1.console.aws.amazon.com/ec2/home?region=ap-southeast-1#Home:
Services
Search
[Alt+S]
Singapore
rudritarahman @ 9737-3768-7940
Resources
EC2 Global view
You are using the following Amazon EC2 resources in the Asia Pacific (Singapore) Region:
Instances (running) 0
Auto Scaling Groups 0
Dedicated Hosts 0
Elastic IPs 1
Instances 1
Key pairs 3
Load balancers 0
Placement groups 0
Security groups 5
Snapshots 0
Volumes 1
Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server. Learn more
Account attributes
Supported platforms
VPC
Default VPC
vpc-0f114de33334e1e80
Settings
EBS encryption
Zones
EC2 Serial Console
Default credit specification
Console experiments
Launch instance
To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.
Launch instance
Service health
AWS Health Dashboard
Region
Explore AWS
10 Things You Can Do Today to Reduce AWS Costs
Explore how to effectively manage your AWS costs without compromising on performance or capacity.
Learn more
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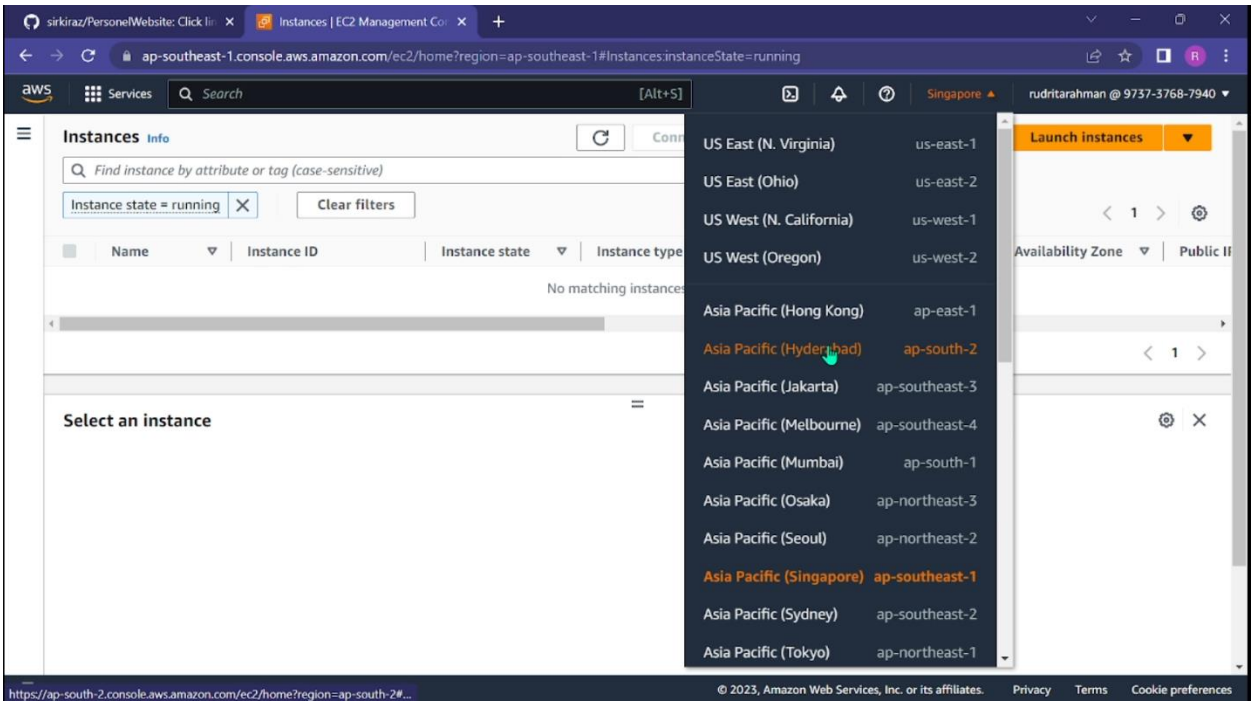
Privacy
Terms
Cookie preferences

Step 4:


sirkiraz/PersonelWebsite: Click li
Instances | EC2 Management Co
ap-southeast-1.console.aws.amazon.com/ec2/home?region=ap-southeast-1#Instances:instanceState=running
Services
Search
[Alt+S]
Singapore
rudritarahman @ 9737-3768-7940
Instances Info
Find instance by attribute or tag (case-sensitive)
Instance state = running
Clear filters
Name
Instance ID
Instance state
Instance type
No matching instances
Launch instances
Availability Zone
Public II
US East (N. Virginia) us-east-1
US East (Ohio) us-east-2
US West (N. California) us-west-1
US West (Oregon) us-west-2
Asia Pacific (Hong Kong) ap-east-1
Asia Pacific (Hyderabad) ap-south-2
Asia Pacific (Jakarta) ap-southeast-3
Asia Pacific (Melbourne) ap-southeast-4
Asia Pacific (Mumbai) ap-south-1
Asia Pacific (Osaka) ap-northeast-3
Asia Pacific (Seoul) ap-northeast-2
Asia Pacific (Singapore) ap-southeast-1
Asia Pacific (Sydney) ap-southeast-2
Asia Pacific (Tokyo) ap-northeast-1
Select an instance
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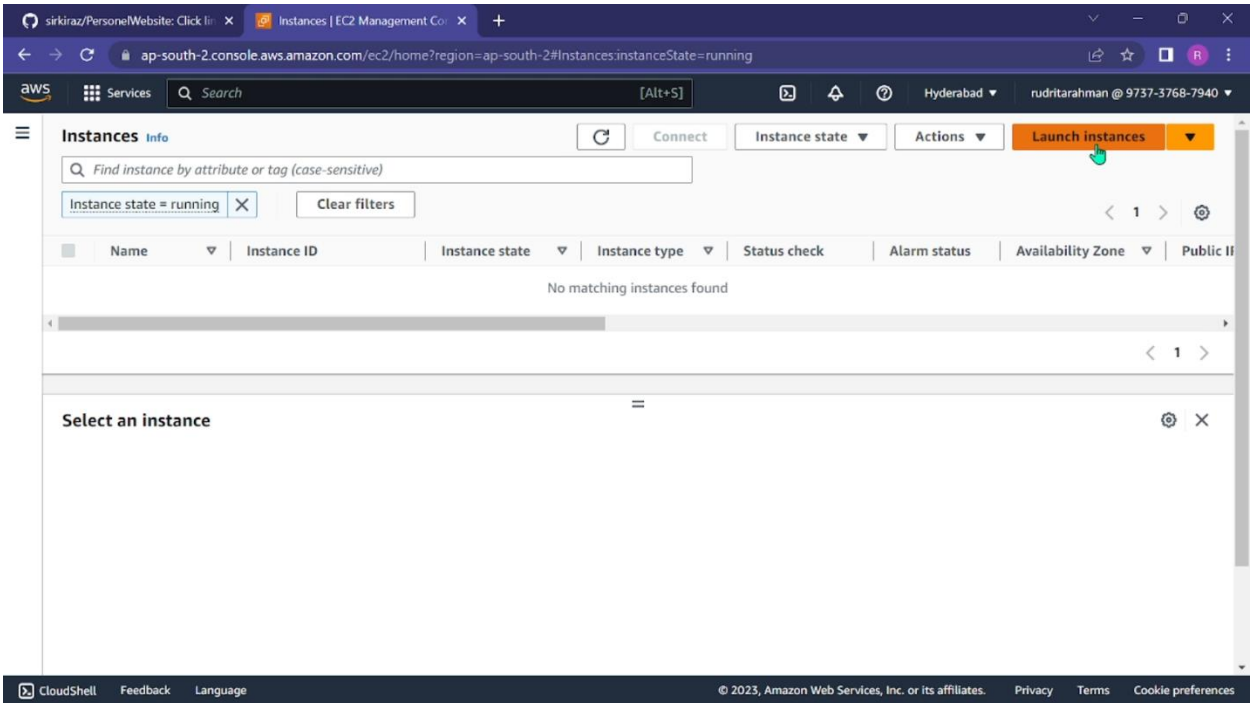
Step 5:


sirkiraz/PersonelWebsite: Click lir
Instances | EC2 Management Co
ap-south-2.console.aws.amazon.com/ec2/home?region=ap-south-2#Instances:instanceState=running
aws
Services
Search
[Alt+S]
Hyderabad
rudritarahman @ 9737-3768-7940
Instances Info
Connect
Instance state
Actions
Launch instances
Find instance by attribute or tag (case-sensitive)
Instance state = running
Clear filters
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public II
No matching instances found
Select an instance
CloudShell
Feedback
Language
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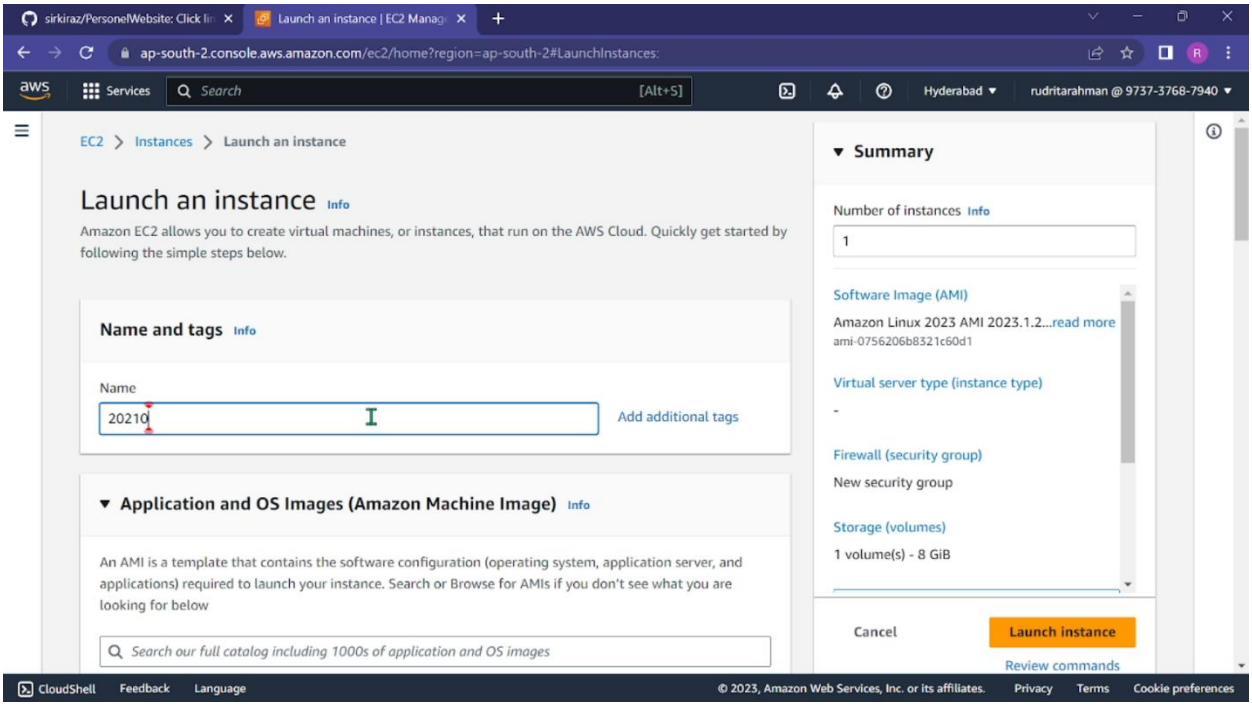
Privacy
Terms
Cookie preferences

Step 6:


sirkiraz/PersonelWebsite: Click lir
Launch an instance | EC2 Manag
ap-south-2.console.aws.amazon.com/ec2/home?region=ap-south-2#LaunchInstances:
aws
Services
Search
[Alt+S]
Hyderabad
rudritarahman @ 9737-3768-7940
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
20210
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
Search our full catalog including 1000s of application and OS images
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.1.2...read more
ami-0756206b8321c60d1
Virtual server type (instance type)
-
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Cancel
Launch instance
Review commands
CloudShell
Feedback
Language
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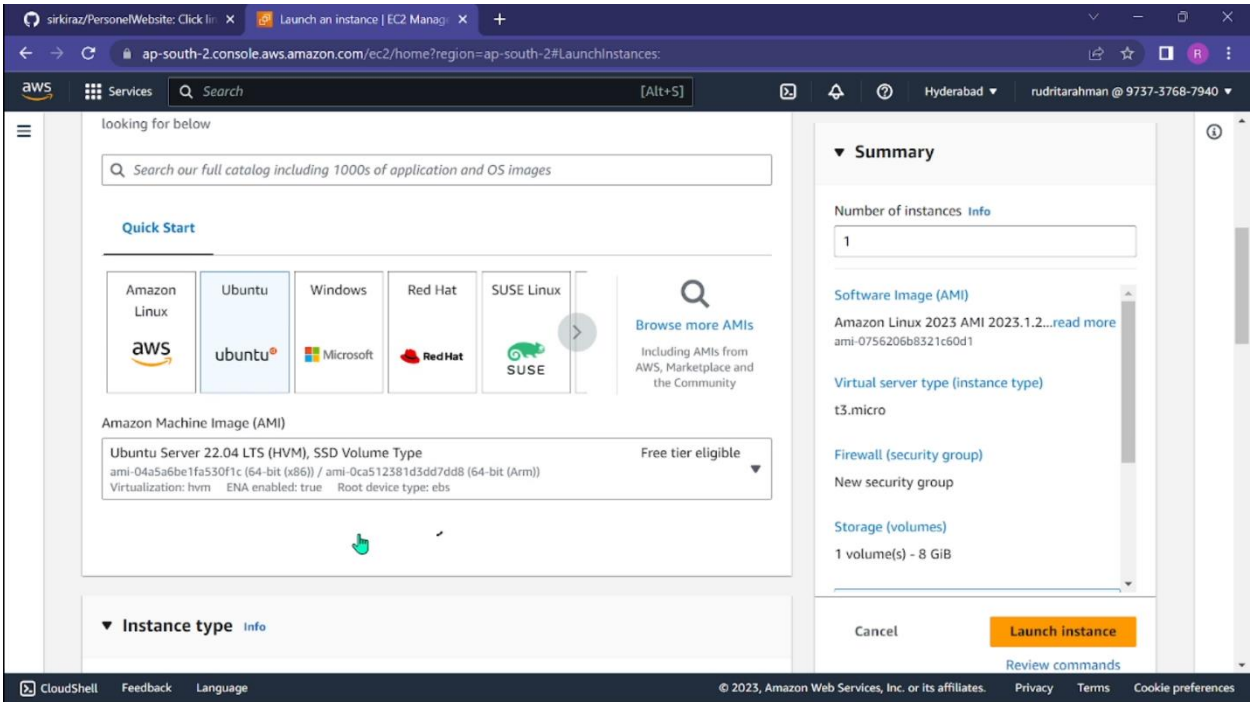
Step 7:


sirkiraz/PersonelWebsite: Click lir
Launch an instance | EC2 Manag
ap-south-2.console.aws.amazon.com/ec2/home?region=ap-south-2#LaunchInstances:
Services
Search
[Alt+S]
Hyderabad
rudritarahman @ 9737-3768-7940
looking for below
Search our full catalog including 1000s of application and OS images
Quick Start
Amazon Linux
Ubuntu
Windows
Red Hat
SUSE Linux
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Amazon Machine Image (AMI)
Ubuntu Server 22.04 LTS (HVM), SSD Volume Type
Free tier eligible
ami-04a5a6be1fa530f1c (64-bit (x86)) / ami-0ca512381d3dd7dd8 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs
Instance type Info
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.1.2...read more
ami-0756206b8321c60d1
Virtual server type (instance type)
t3.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Cancel
Launch instance
Review commands
CloudShell
Feedback
Language
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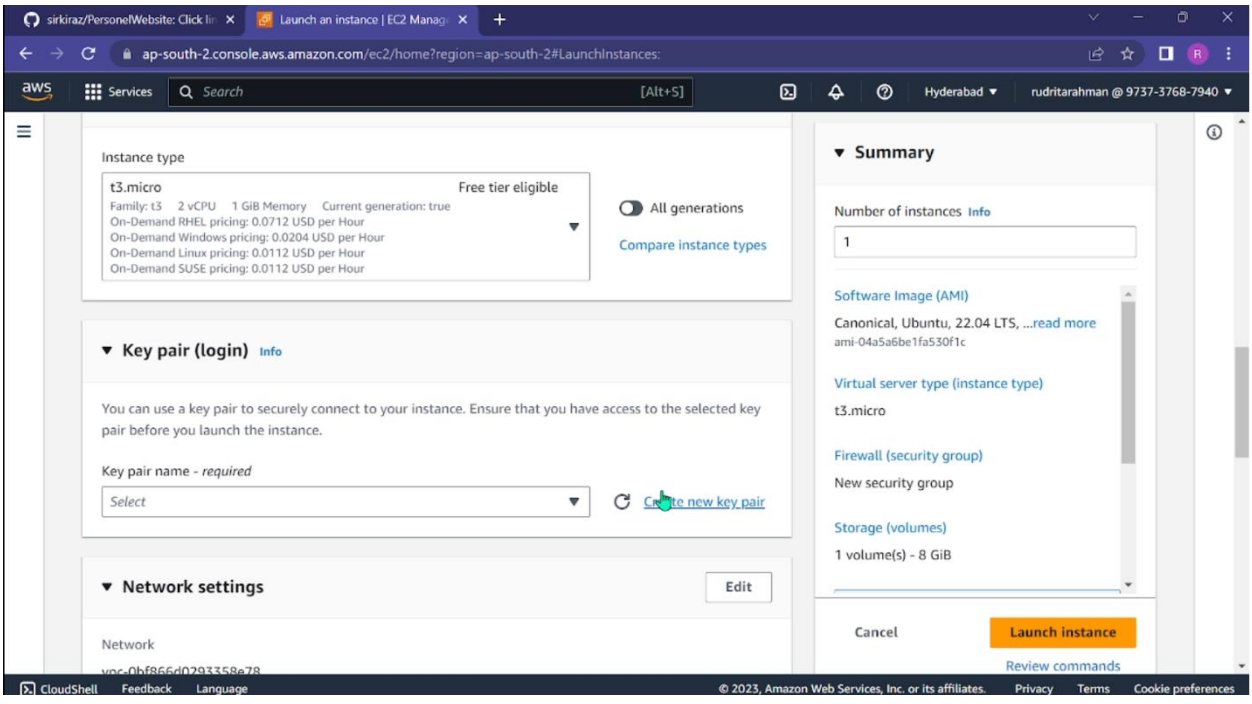
Step 8:


sirkiraz/PersonelWebsite: Click lir
Launch an instance | EC2 Manag
ap-south-2.console.aws.amazon.com/ec2/home?region=ap-south-2#LaunchInstances:
Services
Search
[Alt+S]
Hyderabad
rudritarahman @ 9737-3768-7940
Instance type
t3.micro
Free tier eligible
Family: t3 2 vCPU 1 GiB Memory Current generation: true
On-Demand RHEL pricing: 0.0712 USD per Hour
On-Demand Windows pricing: 0.0204 USD per Hour
On-Demand Linux pricing: 0.0112 USD per Hour
On-Demand SUSE pricing: 0.0112 USD per Hour
All generations
Compare instance types
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
Select
Create new key pair
Network settings
Edit
Network
Summary
Number of instances Info
1
Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...read more
ami-04a5a6be1fa530f1c
Virtual server type (instance type)
t3.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Cancel
Launch instance
Review commands
CloudShell
Feedback
Language
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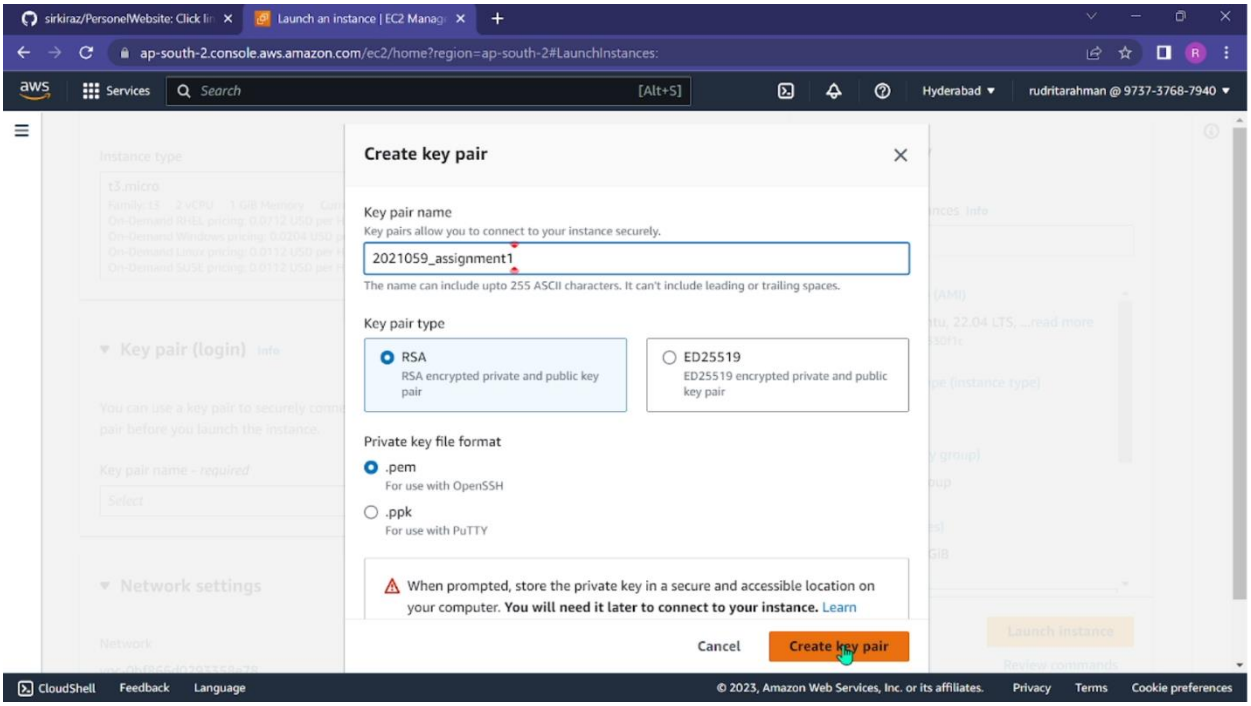
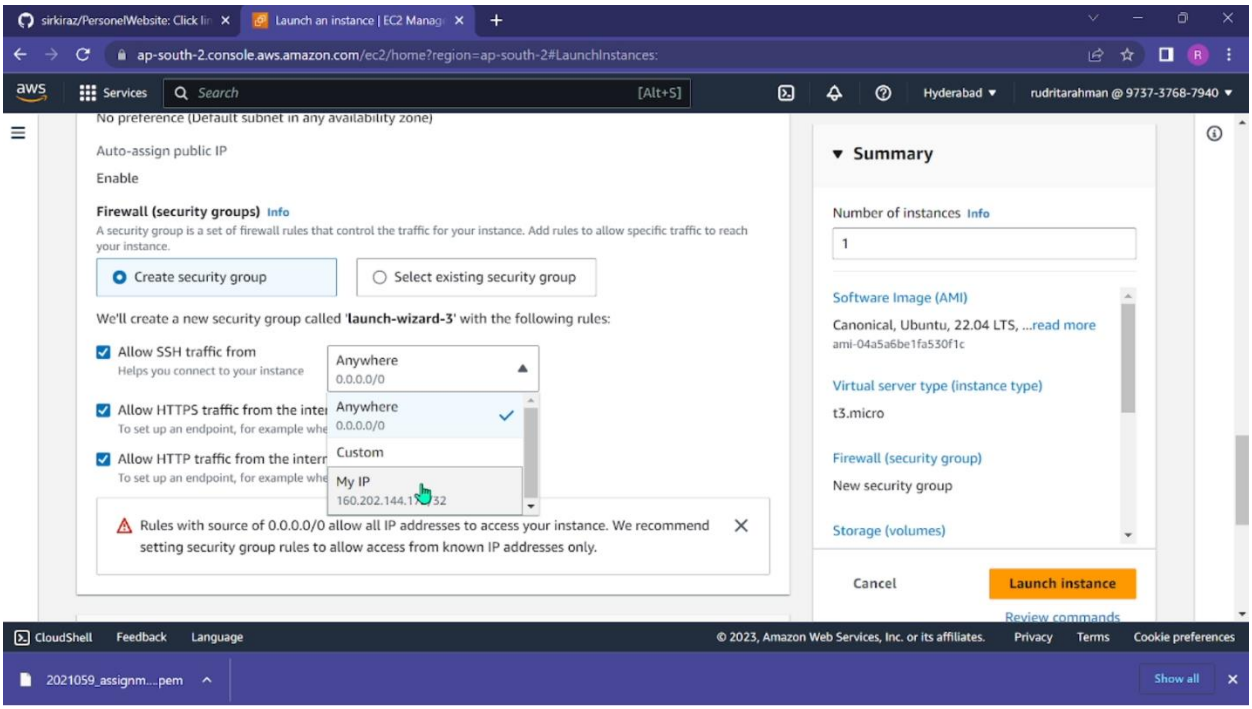
Step 9:



Step 10:



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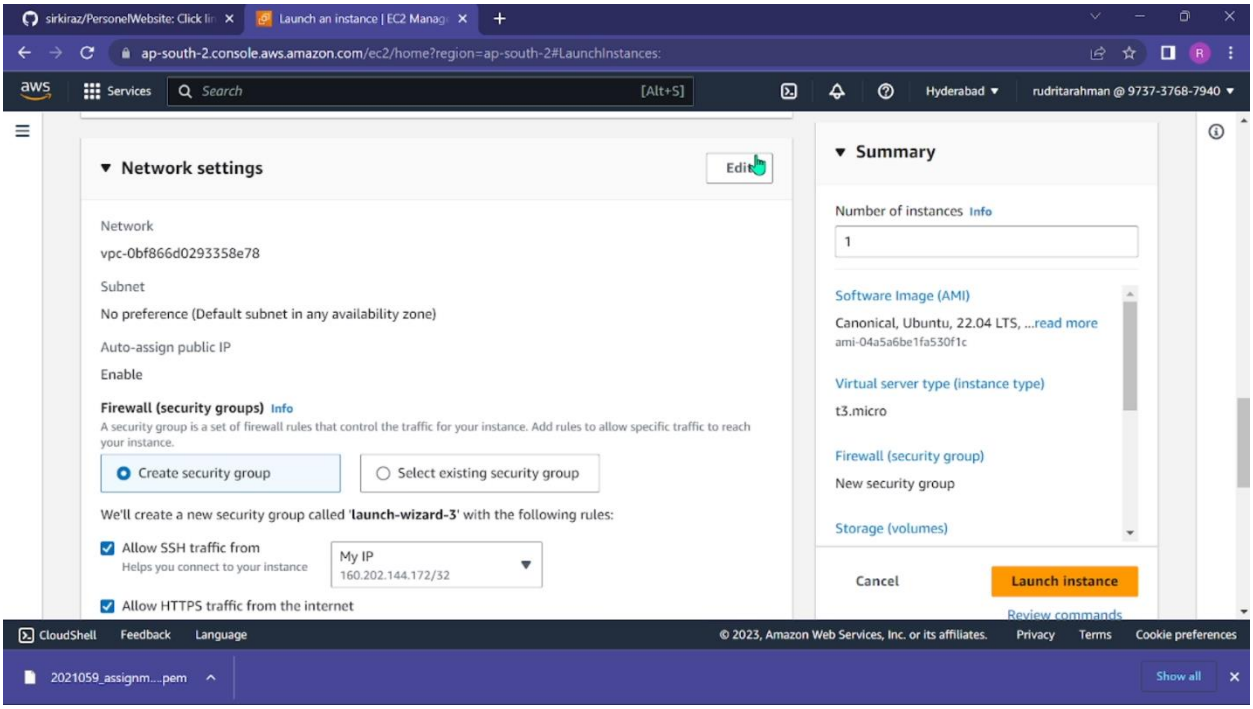

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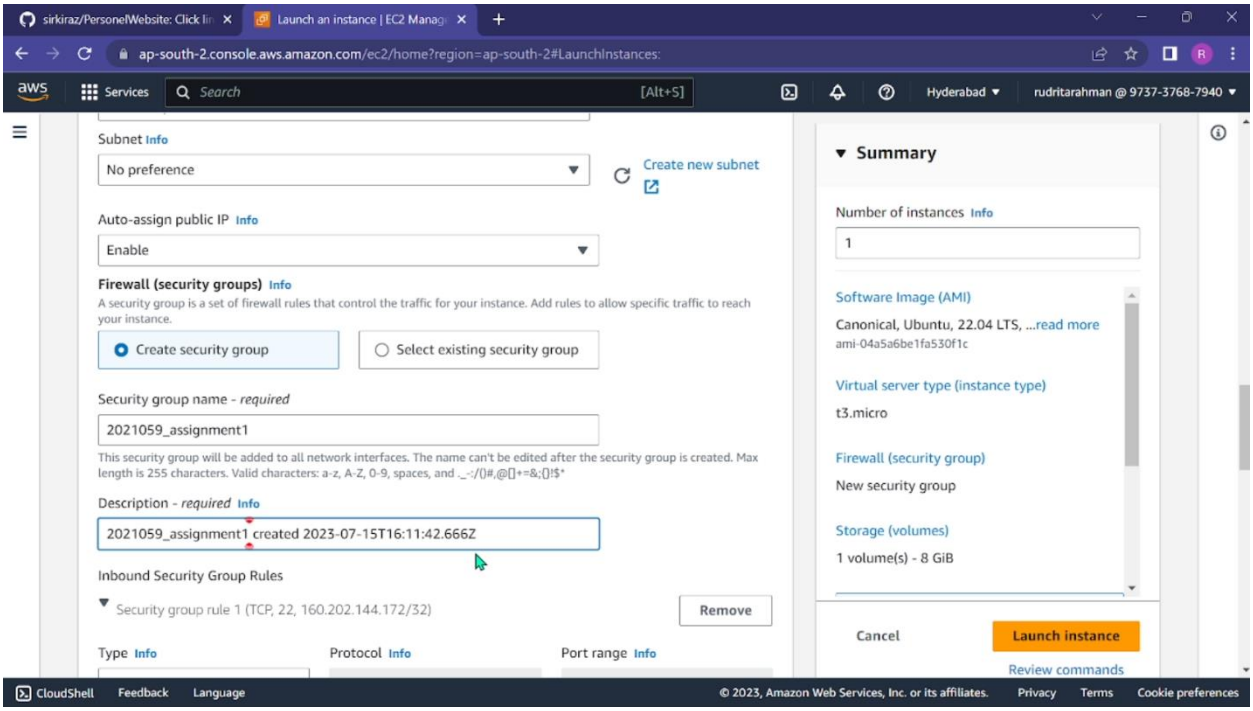

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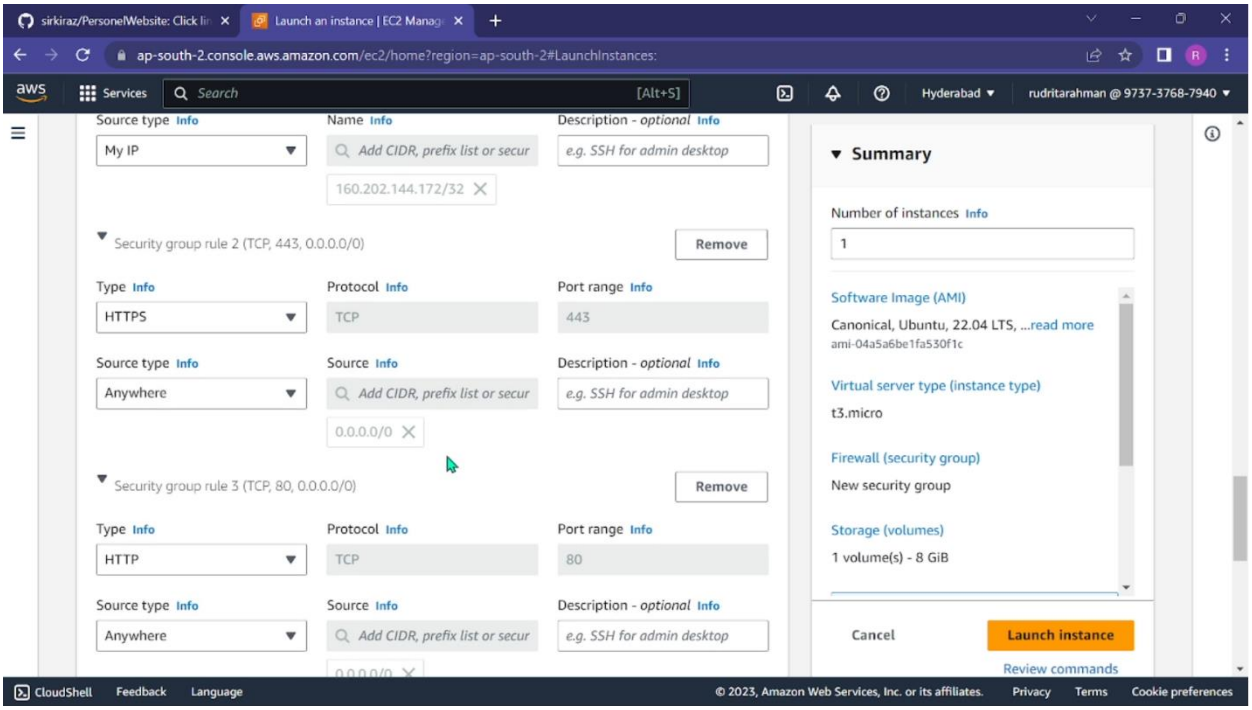
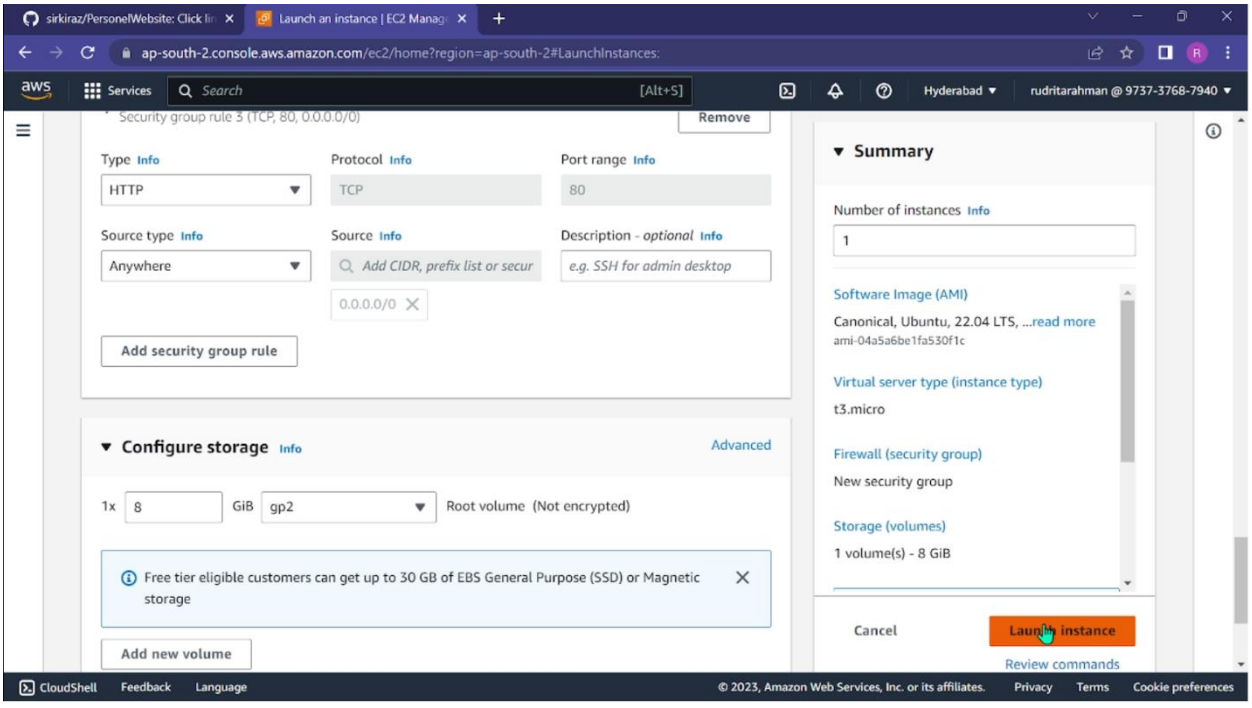


Step 14:



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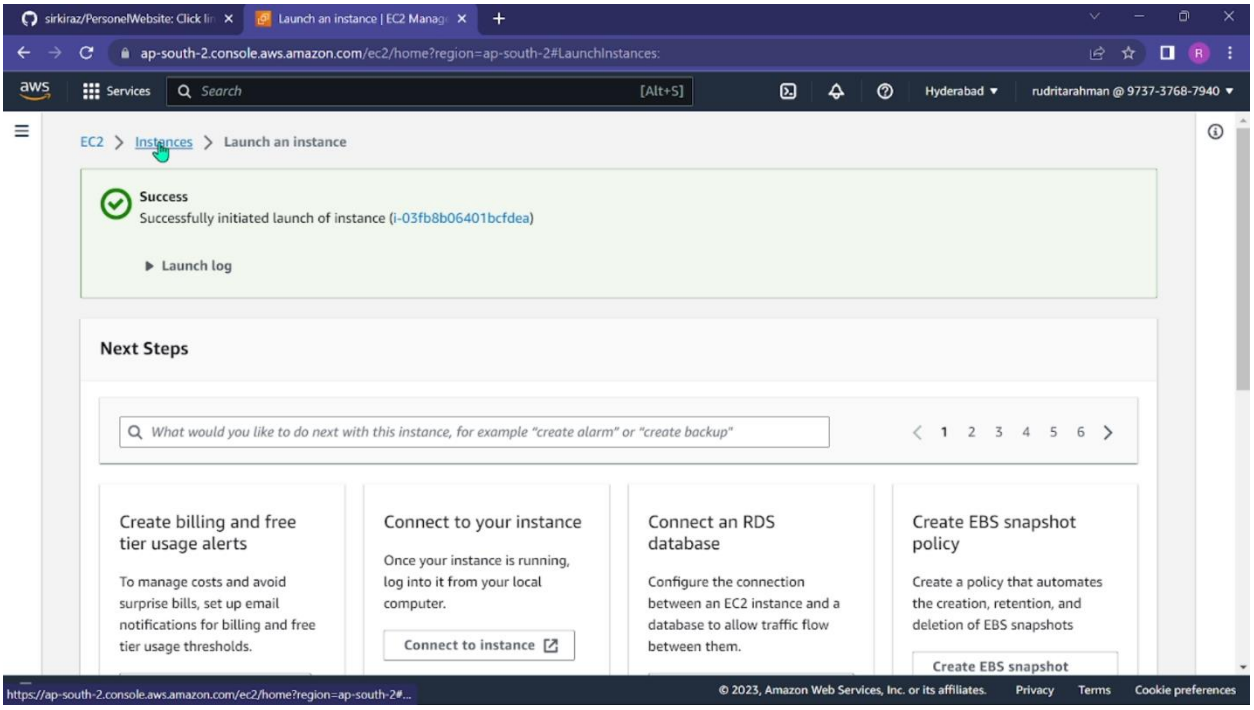

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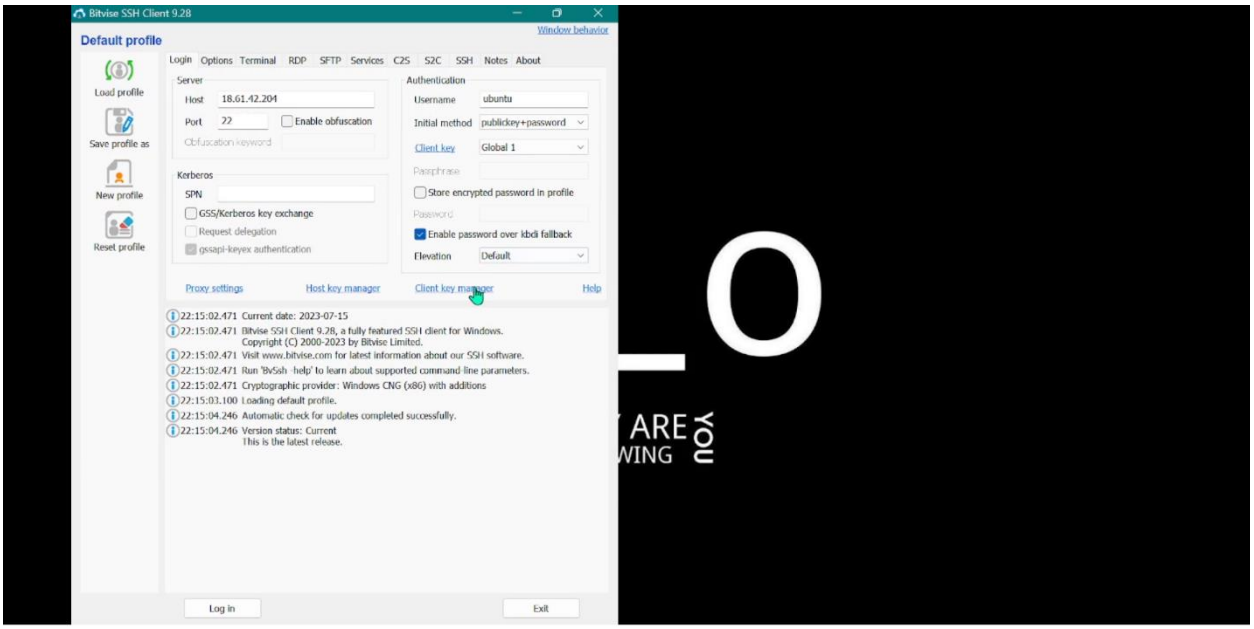
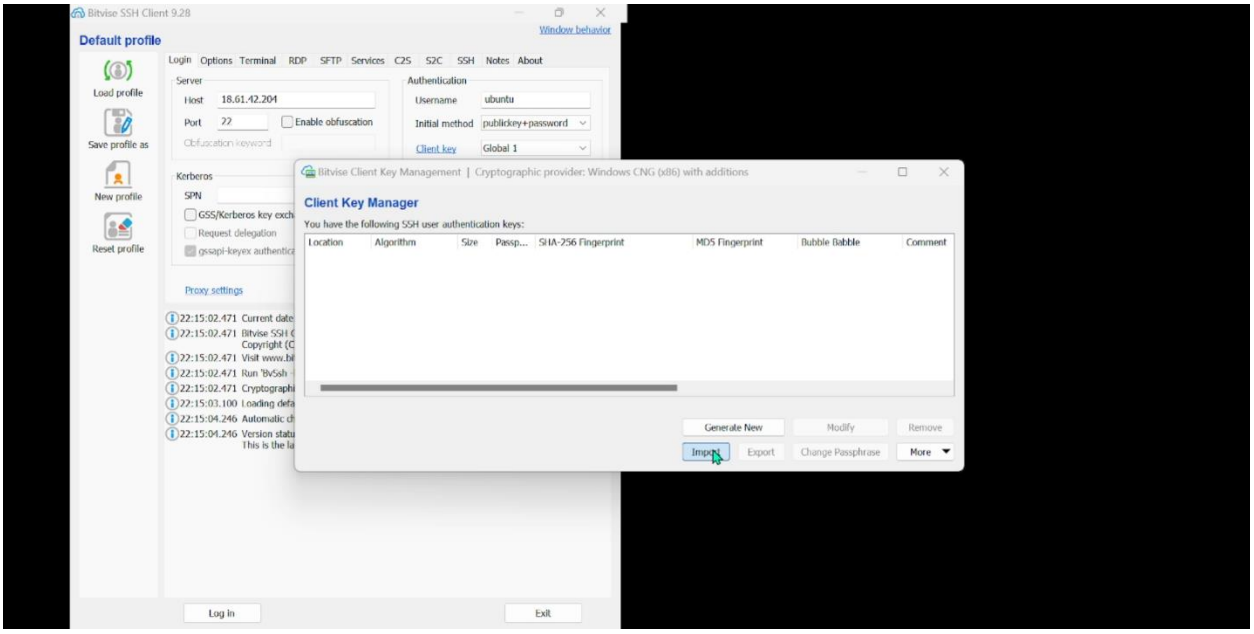


Step 17:



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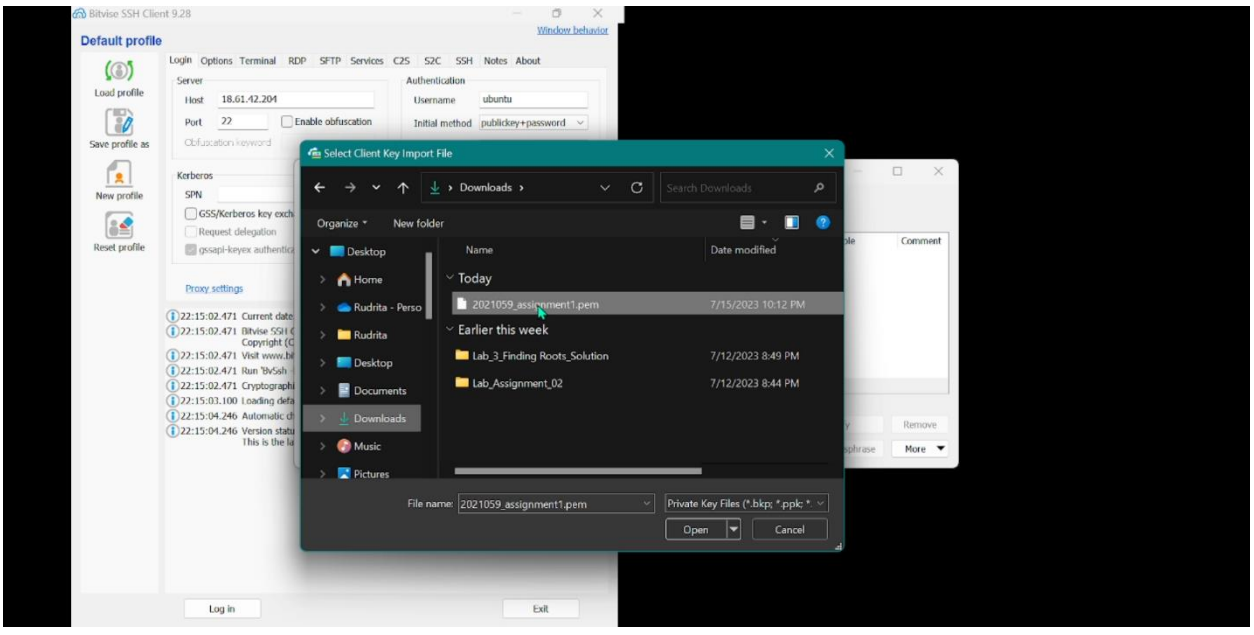

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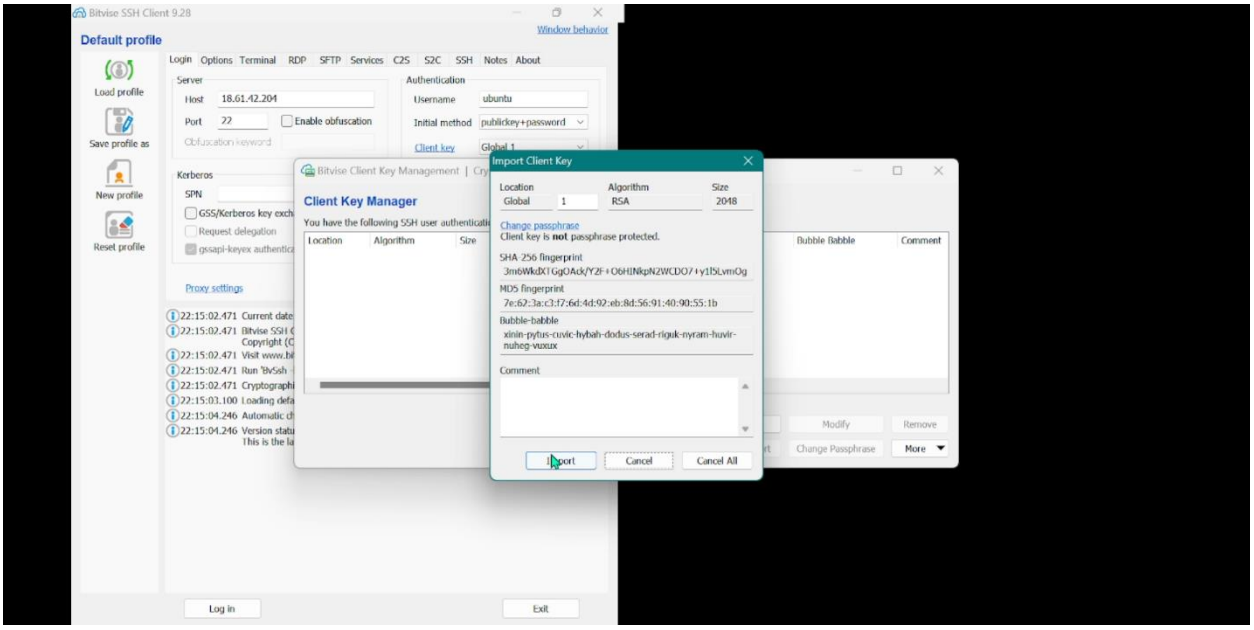

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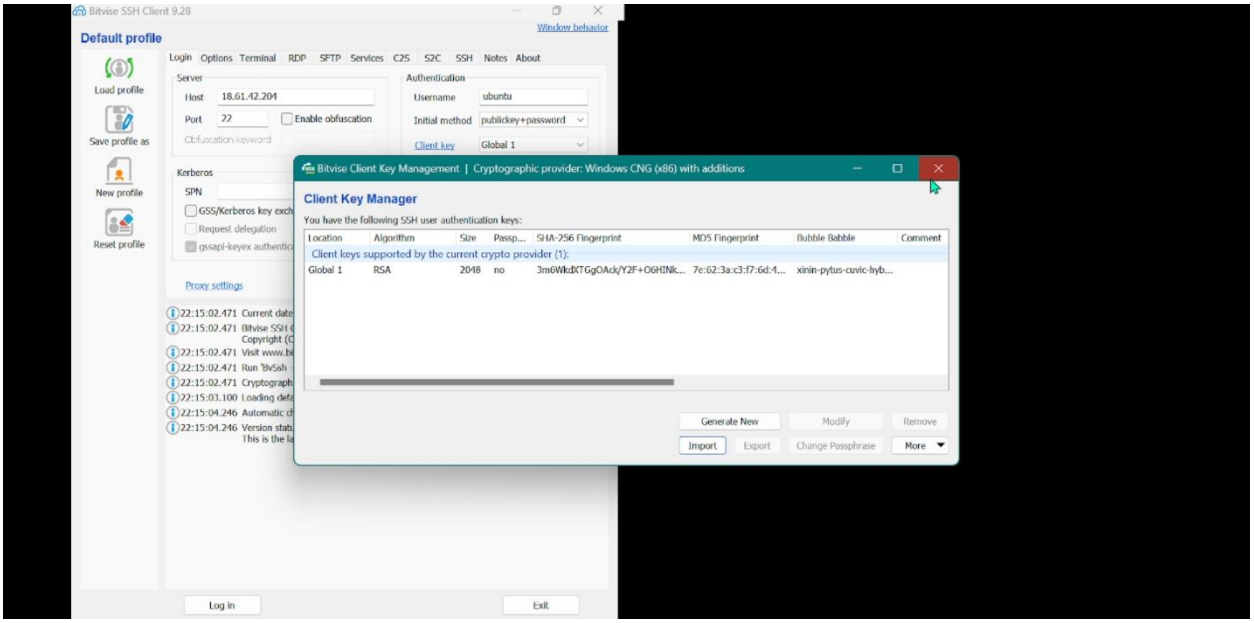
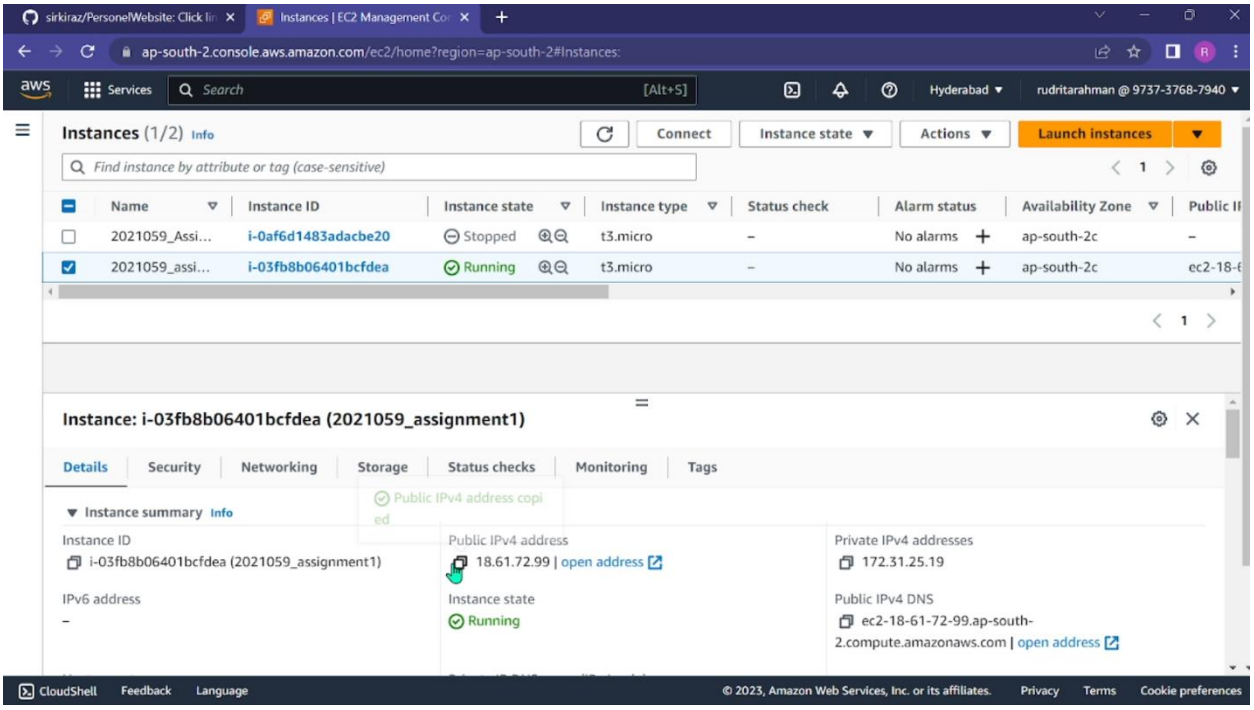


Step 21:



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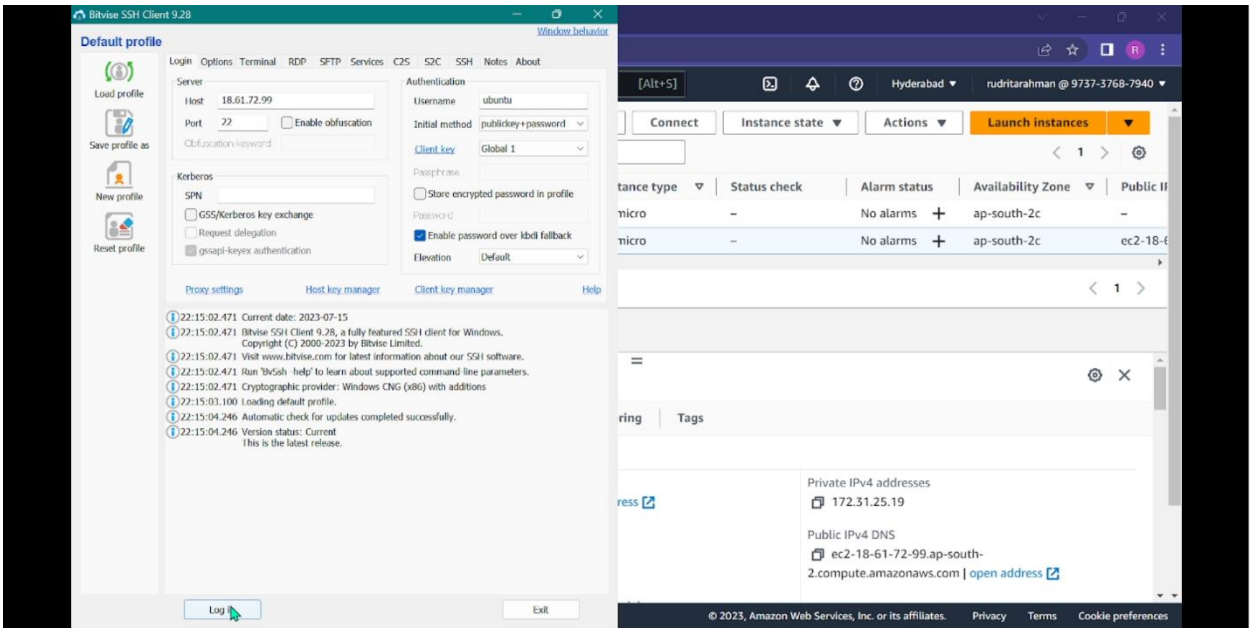

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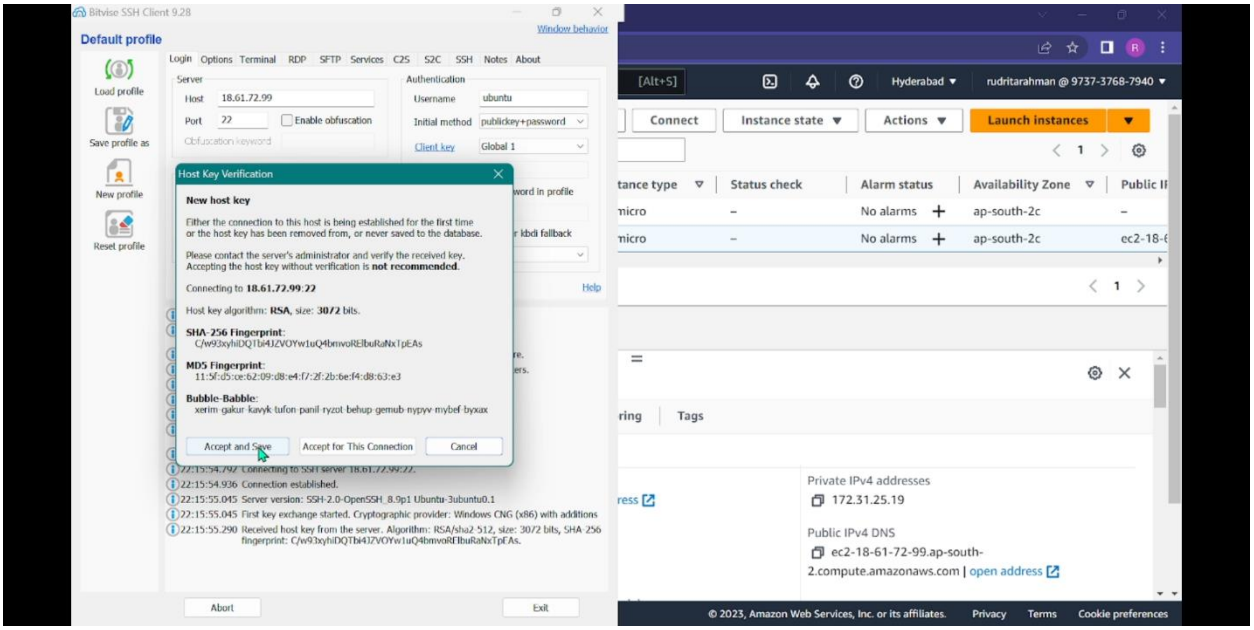

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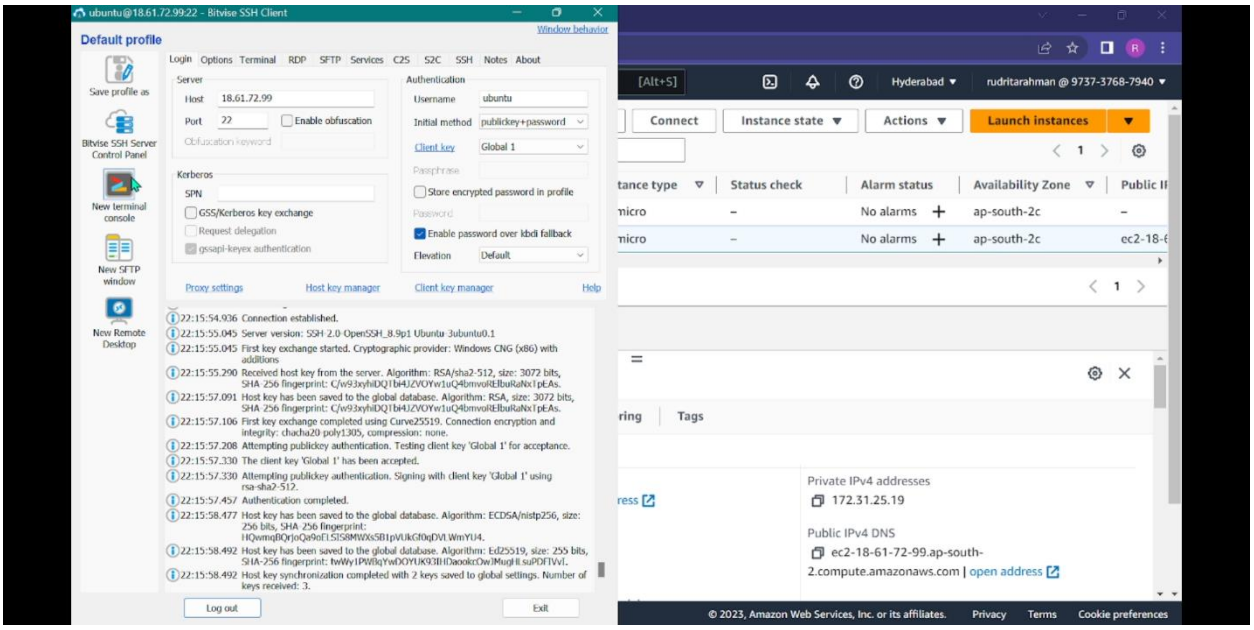
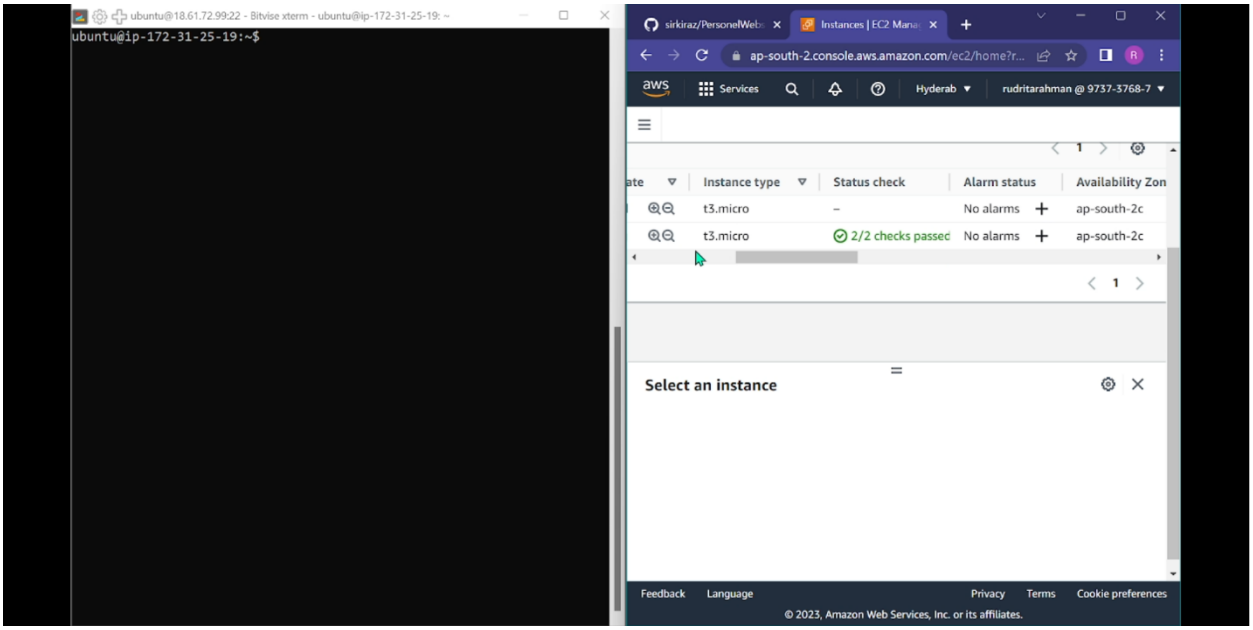


Step 25:



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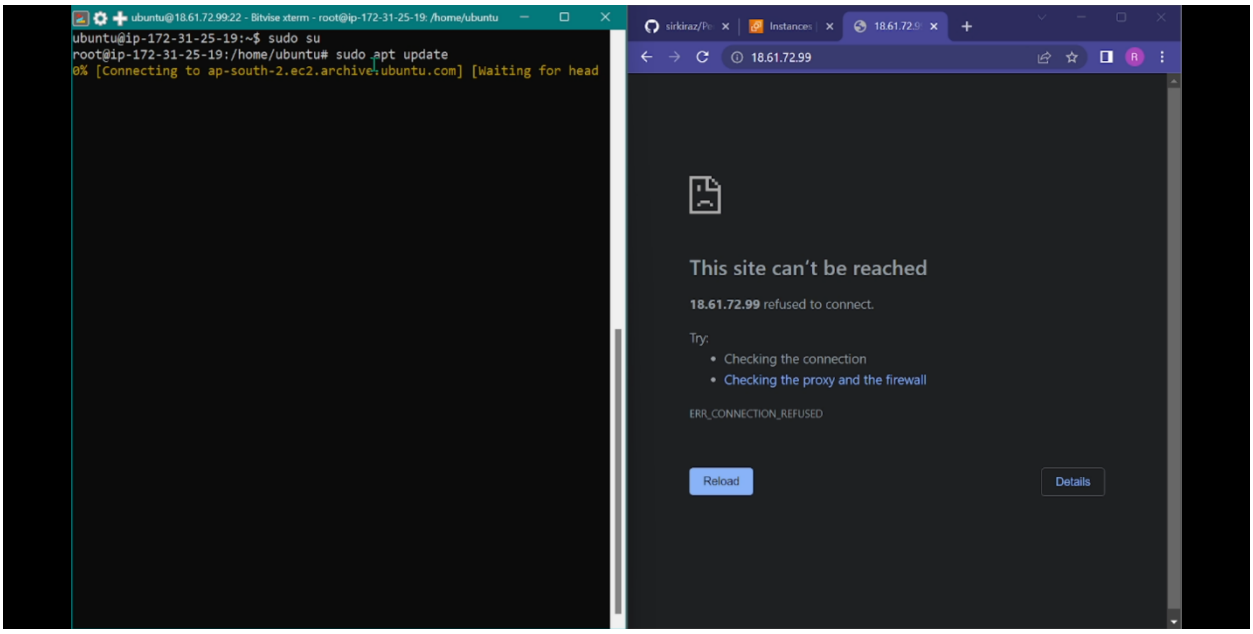
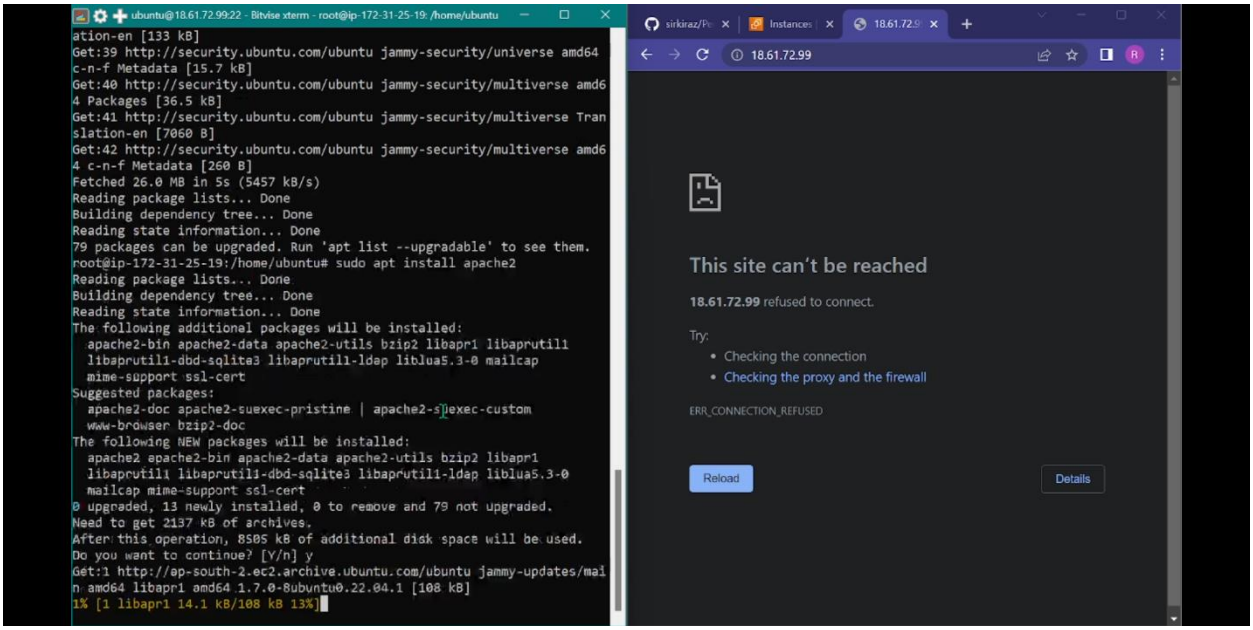
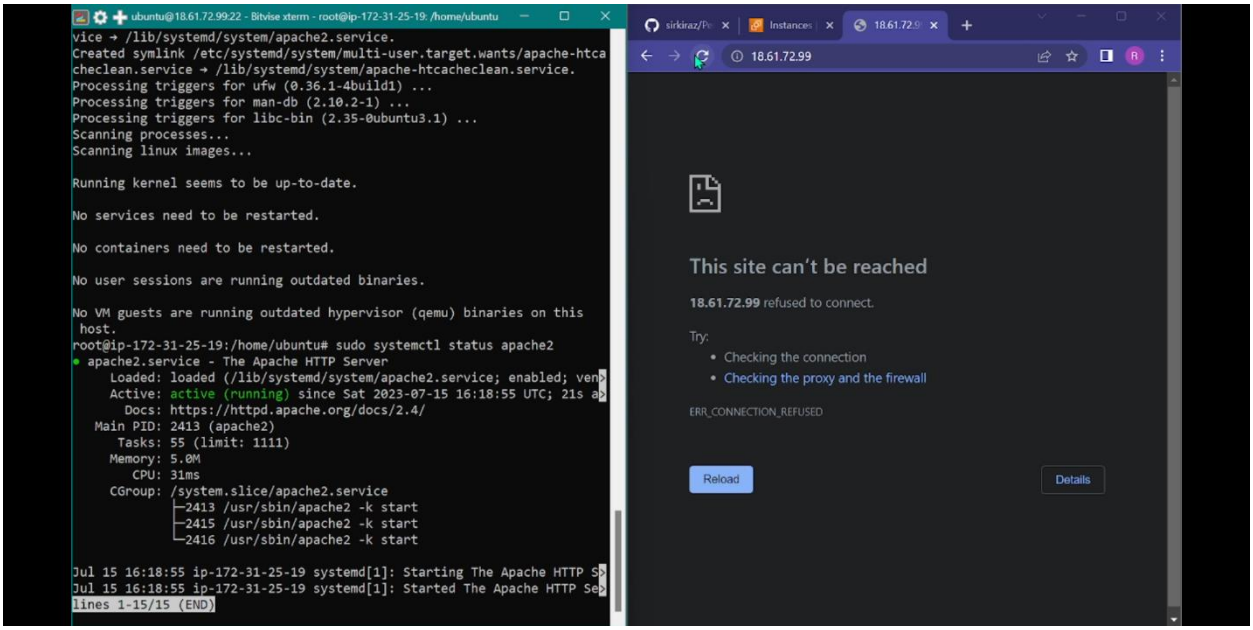


Step 27:



Step 28:



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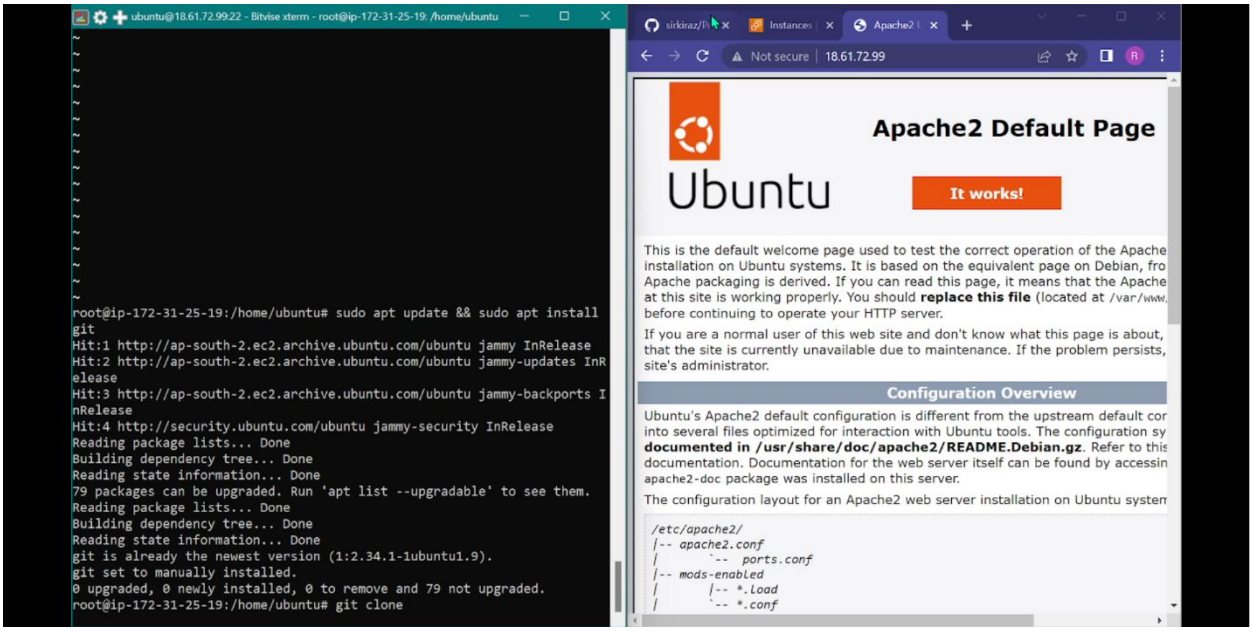
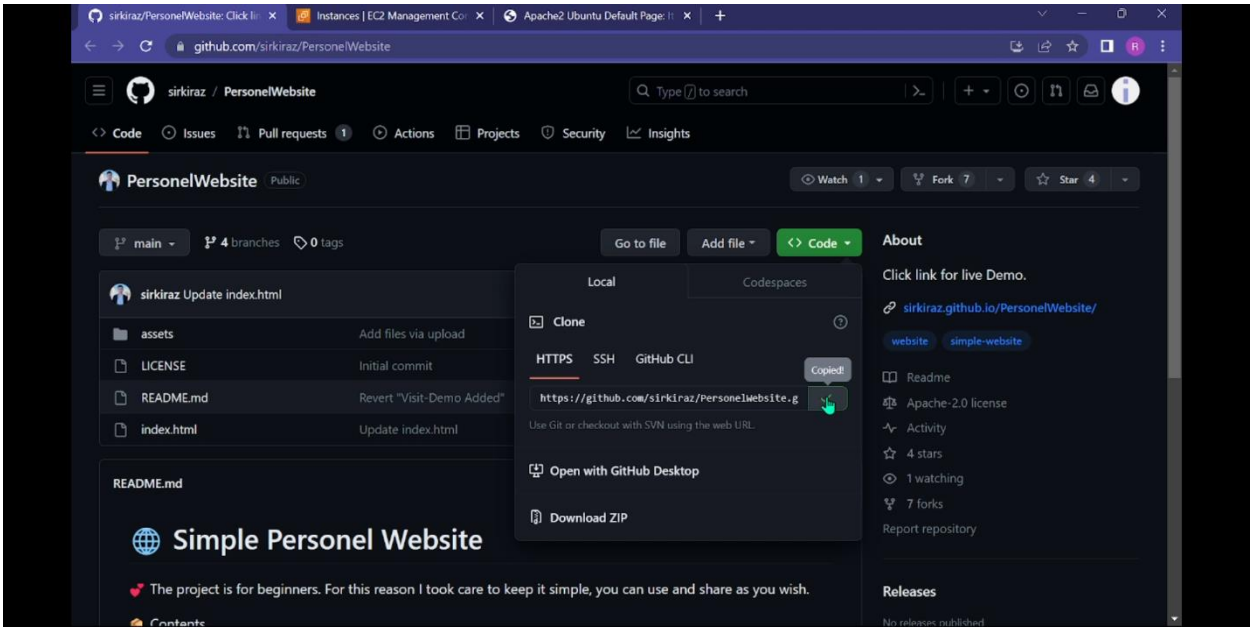


Step 30:



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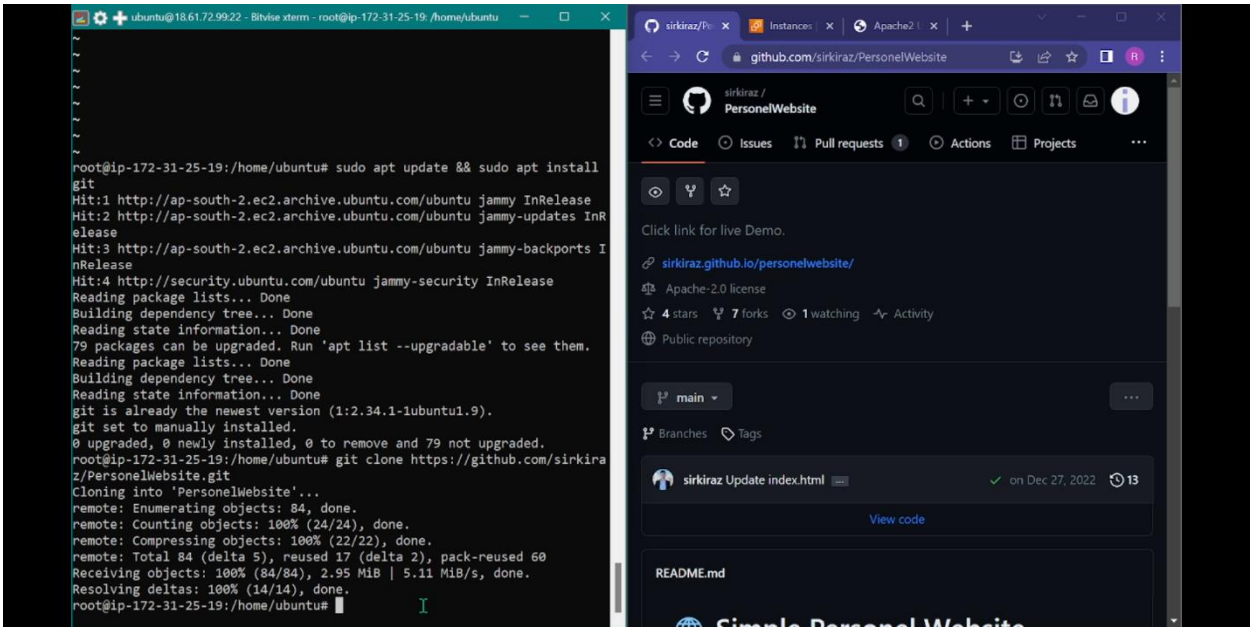
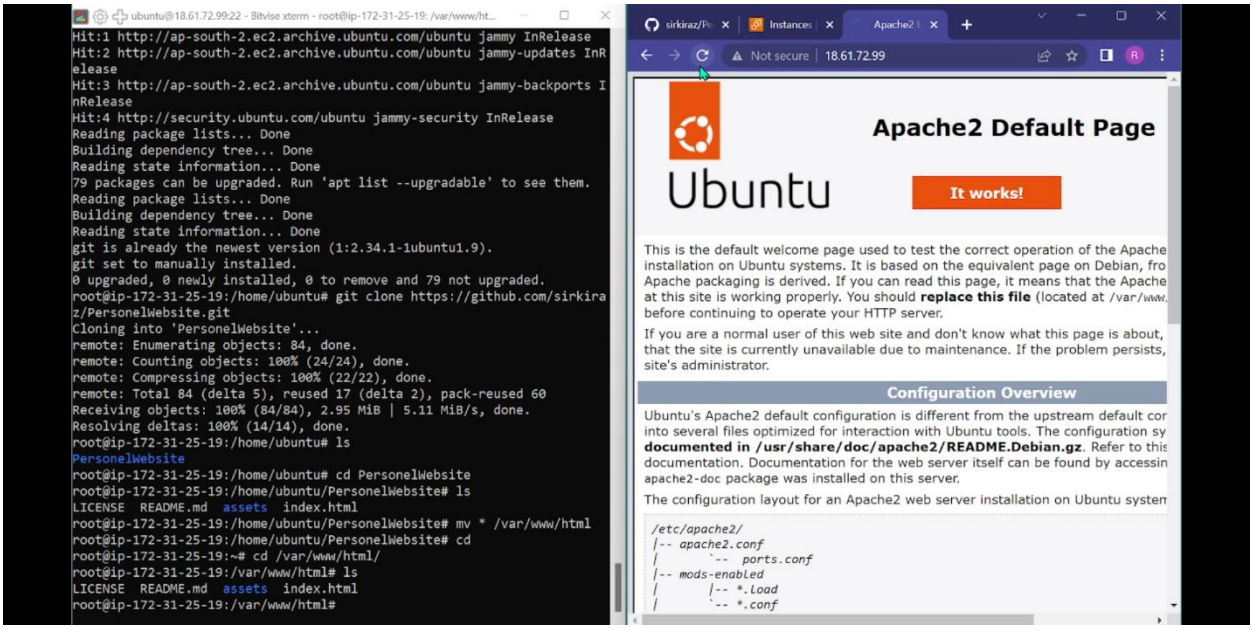
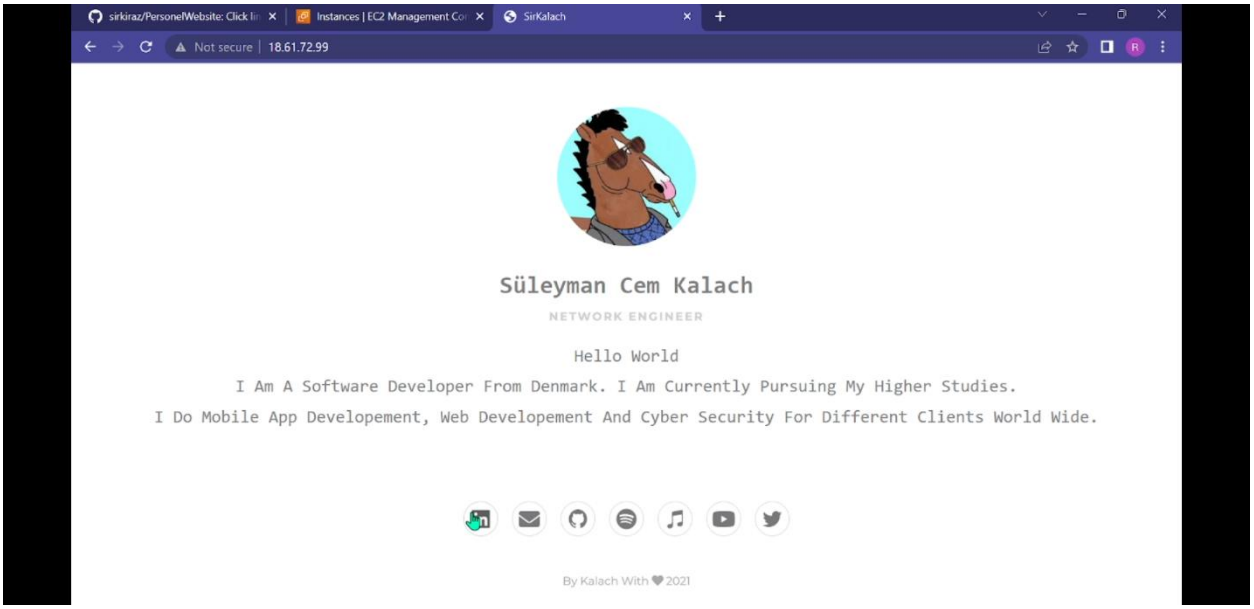


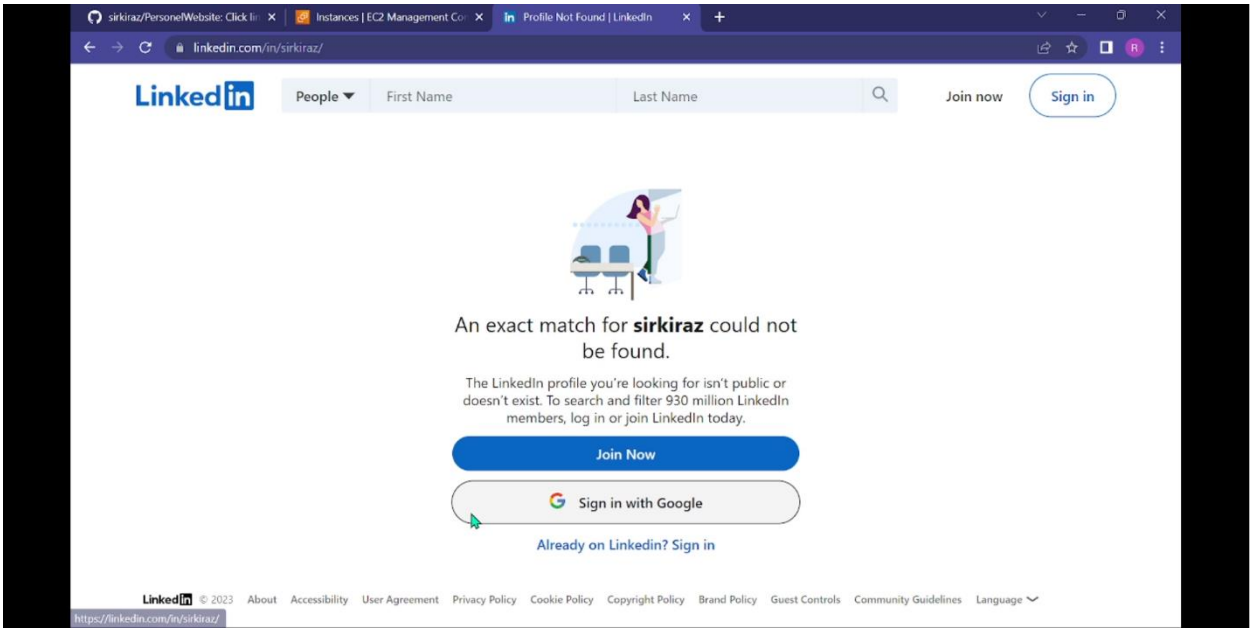
Step 32:



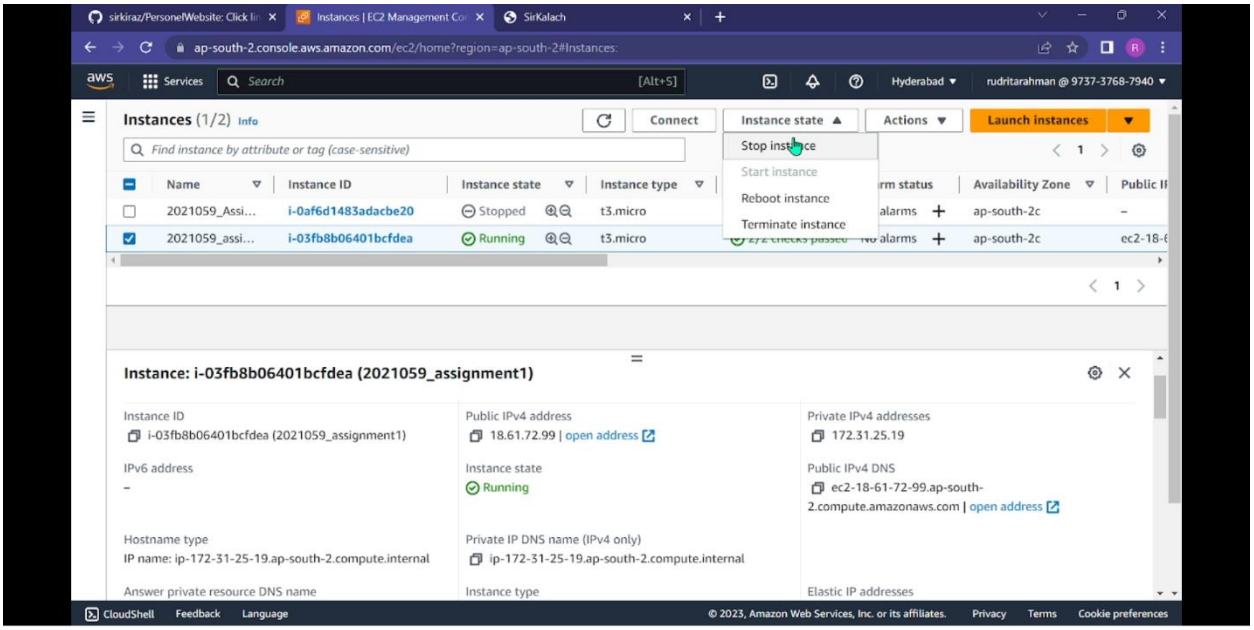
Step 33:



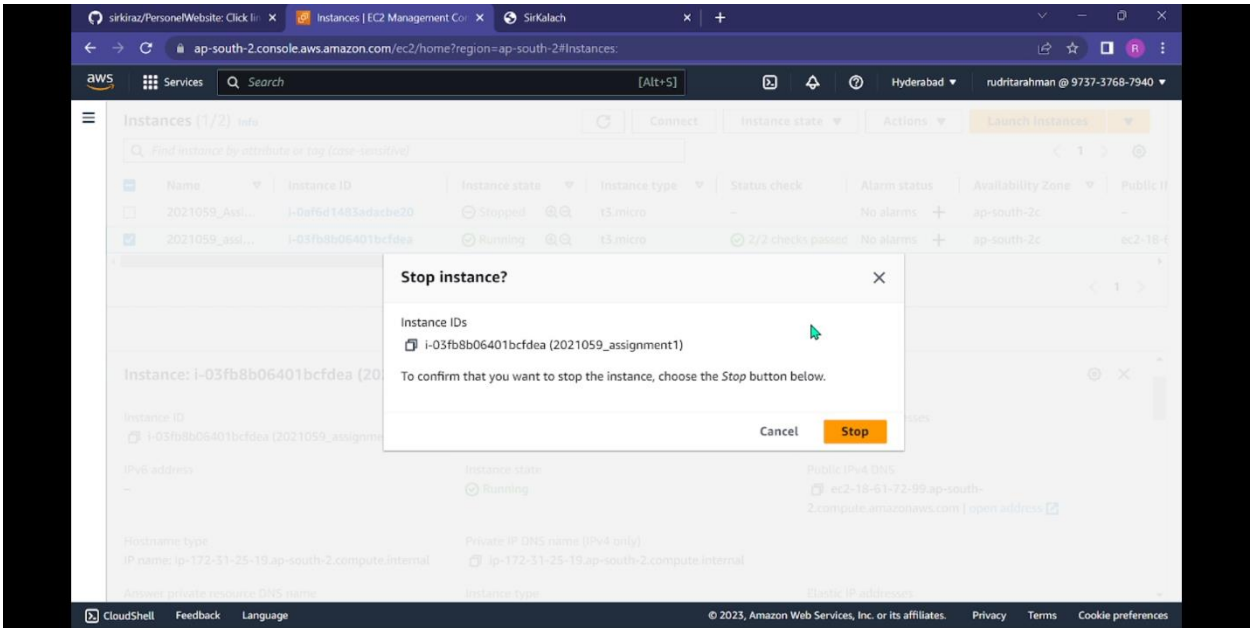
Step 34:



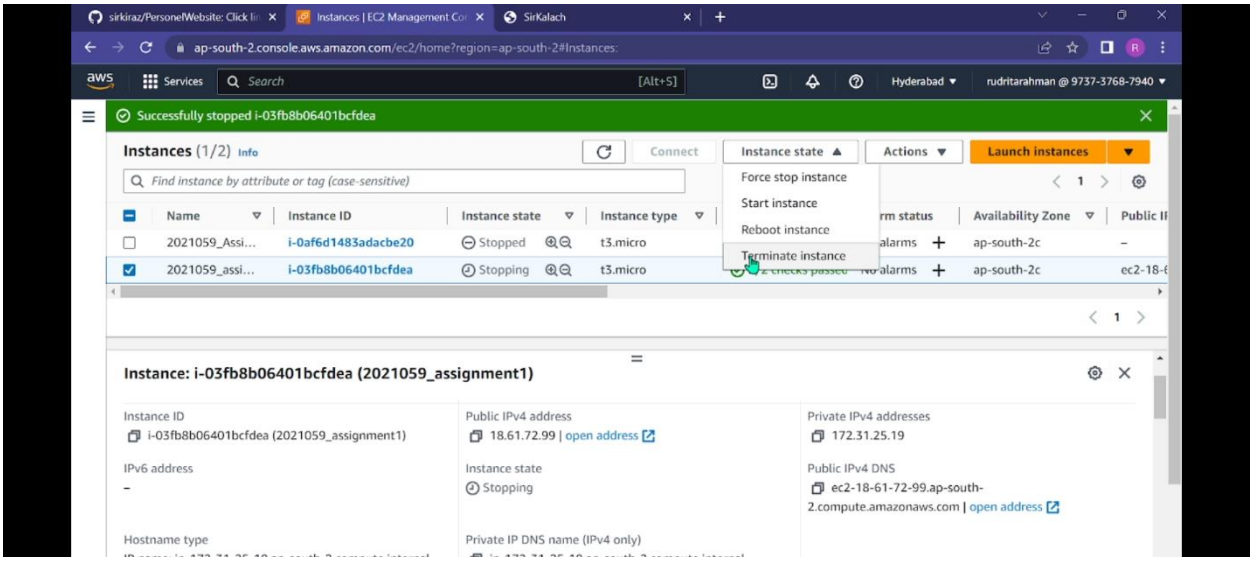
Step 35:



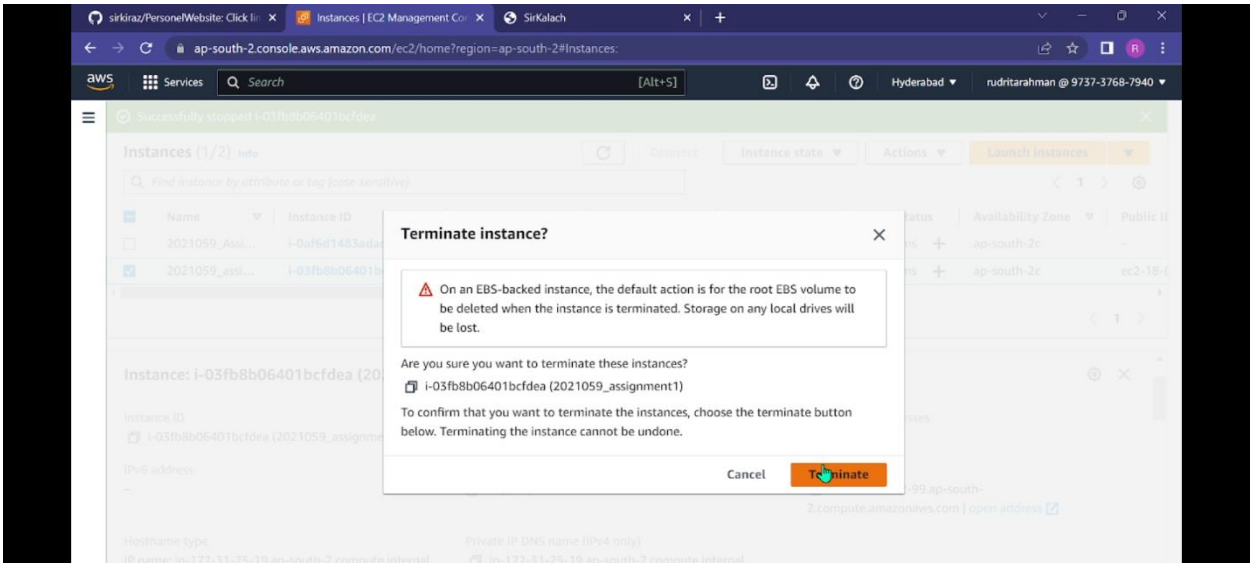
Step 36:



Step 37:



Step 38:



Commands:

sudo su
sudo apt update
sudo apt install apache2
sudo systemctl status apache2
sudo apt update && sudo apt install git
git clone https://github.com/sirkiraz/PersonelWebsite.git # add GitHub link
ls
cd PersonelWebsite # Folder name
ls
mv * /var/www/html
cd
cd /var/www/html/
ls
/var/www/html#