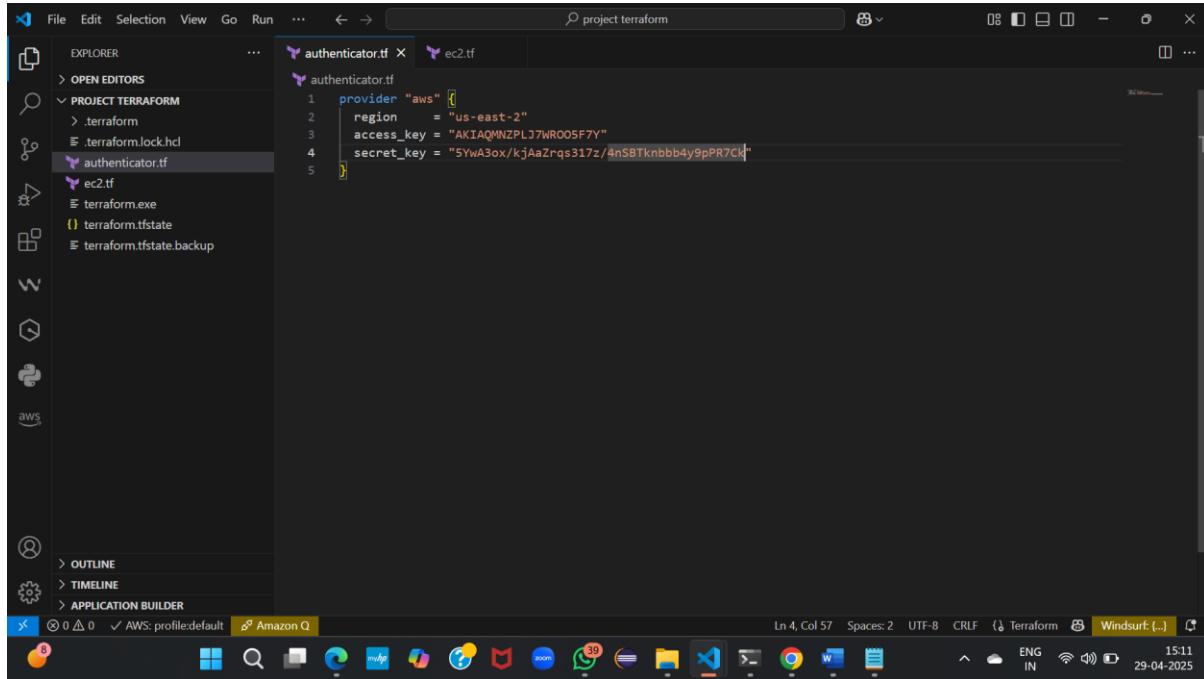


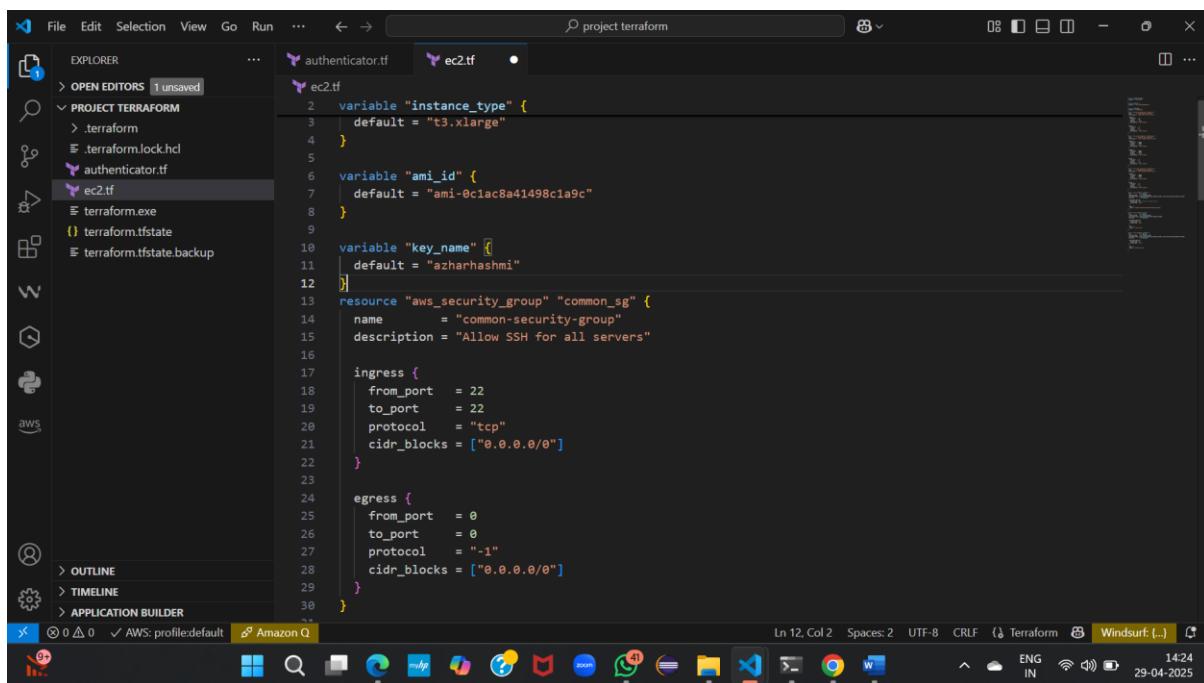
Banking And Finance Project



A screenshot of the Visual Studio Code interface. The title bar says "project terraform". The left sidebar shows an "EXPLORER" view with files like ".terraform", ".terraform.lock.hcl", "authenticator.tf", "ec2.tf", "terraform.exe", "terraform.tfstate", and "terraform.tfstate.backup". The main editor area has two tabs: "authenticator.tf" and "ec2.tf". The "authenticator.tf" tab is active, displaying the following Terraform code:

```
provider "aws" {
  region      = "us-east-2"
  access_key  = "AKIAQMNZPLJ7WRO05F7Y"
  secret_key  = "5YwA3ox/kjAaZrqs317z/4nSBTknbbb4y9pPR7Ck"
}
```

The status bar at the bottom shows "Ln 4, Col 57" and "15:11 29-04-2025".



A screenshot of the Visual Studio Code interface. The title bar says "project terraform". The left sidebar shows an "EXPLORER" view with files like ".terraform", ".terraform.lock.hcl", "authenticator.tf", "ec2.tf", "terraform.exe", "terraform.tfstate", and "terraform.tfstate.backup". The main editor area has two tabs: "authenticator.tf" and "ec2.tf". The "ec2.tf" tab is active, displaying the following Terraform code:

```
variable "instance_type" {
  default = "t3.xlarge"
}

variable "ami_id" {
  default = "ami-0c1ac8a41498c1a9c"
}

variable "key_name" {
  default = "azharhashmi"
}

resource "aws_security_group" "common_sg" {
  name          = "common-security-group"
  description   = "Allow SSH for all servers"

  ingress {
    from_port  = 22
    to_port    = 22
    protocol   = "tcp"
    cidr_blocks = ["0.0.0.0/0"]
  }

  egress {
    from_port  = 0
    to_port    = 0
    protocol   = "-1"
    cidr_blocks = ["0.0.0.0/0"]
  }
}
```

The status bar at the bottom shows "Ln 12, Col 2" and "14:24 29-04-2025".

A screenshot of the Visual Studio Code interface. The title bar says "project terraform". The left sidebar shows the "EXPLORER" view with files like ".terraform", "authenticator.tf", and "ec2.tf". The main editor area displays the "ec2.tf" file:

```
13 resource "aws_security_group" "common_sg" {
14 }
15
16 resource "aws_security_group" "jenkins_sg" {
17   name     = "Jenkins-security-group"
18   description = "Allow Jenkins-specific ports"
19
20   ingress {
21     from_port  = 8880
22     to_port    = 8880
23     protocol   = "tcp"
24     cidr_blocks = ["0.0.0.0/0"]
25   }
26
27   ingress {
28     from_port  = 9990
29     to_port    = 9990
30     protocol   = "tcp"
31     cidr_blocks = ["0.0.0.0/0"]
32   }
33
34   egress {
35     from_port  = 0
36     to_port    = 0
37     protocol   = "-1"
38     cidr_blocks = ["0.0.0.0/0"]
39   }
40 }
```

The status bar at the bottom shows "Ln 12, Col 2" and "14:24".

A screenshot of the Visual Studio Code interface. The title bar says "project terraform". The left sidebar shows the "EXPLORER" view with files like ".terraform", "authenticator.tf", and "ec2.tf". The main editor area displays the "ec2.tf" file:

```
58 resource "aws_security_group" "grafana_sg" {
59   name     = "grafana-security-group"
60   description = "Allow Grafana-specific port"
61
62   ingress {
63     from_port  = 3000
64     to_port    = 3000
65     protocol   = "tcp"
66     cidr_blocks = ["0.0.0.0/0"]
67   }
68
69   egress {
70     from_port  = 0
71     to_port    = 0
72     protocol   = "-1"
73     cidr_blocks = ["0.0.0.0/0"]
74   }
75 }
76
77 resource "aws_instance" "jenkins" {
78   ami           = var.ami_id
79   instance_type = var.instance_type
80   security_groups = [aws_security_group.common_sg.name, aws_security_group.jenkins_sg.name]
81   key_name      = var.key_name
82
83   root_block_device {
84     volume_size = 30 # 30 GB for Jenkins Server
85     volume_type = "gp3"
86   }
87 }
```

The status bar at the bottom shows "Ln 12, Col 2" and "14:24".

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure with files: `.terraform`, `.terraform.lock.hcl`, `authenticator.tf`, and `ec2.tf`.
- Code Editor:** The `ec2.tf` file is open, containing Terraform configuration for two AWS instances:

```
77 resource "aws_instance" "jenkins" {
86 }
87
88 tags = {
89   Name = "Jenkins-Docker-Ansible-Prometheus-Server"
90 }
91 }

92
93 resource "aws_instance" "prod" {
94   ami           = var.ami_id
95   instance_type = var.instance_type
96   security_groups = [aws_security_group.common_sg.name]
97   key_name      = var.key_name

98   root_block_device {
99     volume_size = 12
100    volume_type = "gp3"
101  }

102
103   tags = {
104     Name = "Prod Server"
105   }
106 }

107
108
109 resource "aws_instance" "grafana" {
110   ami           = var.ami_id
111   instance_type = var.instance_type
112   security_groups = [aws_security_group.common_sg.name, aws_security_group.grafana_sg.name]
113   key_name      = var.key_name
}
```
- Bottom Status Bar:** Shows the current file is `ec2.tf`, line 12, column 21, with 125 lines of code. It also displays the Terraform extension icon and the Windows taskbar.

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure with files: `.terraform`, `.terraform.lock.hcl`, `authenticator.tf`, and `ec2.tf`.
- Code Editor:** The `ec2.tf` file is open, containing Terraform configuration for a single Grafana server:

```
109 resource "aws_instance" "grafana" {
110   ami           = var.ami_id
111   instance_type = var.instance_type
112   security_groups = [aws_security_group.common_sg.name, aws_security_group.grafana_sg.name]
113   key_name      = var.key_name

114   root_block_device {
115     volume_size = 8
116     volume_type = "gp3"
117   }

118
119   tags = {
120     Name = "Grafana Server"
121   }
122 }

123
124
125
```
- Bottom Status Bar:** Shows the current file is `ec2.tf`, line 100, column 21, with 125 lines of code. It also displays the Terraform extension icon and the Windows taskbar.

The screenshot shows the Visual Studio Code interface with the title bar "project terraform". The Explorer sidebar on the left lists files: ".terraform", ".terraform.lock.hcl", "authenticator.tf", "ec2.tf", "terraform.exe", "terraform.tfstate", and "terraform.tfstate.backup". The "authenticator.tf" file is open in the editor, showing the following code:

```
provider "aws" {
  region    = "us-east-2"
  access_key = "AKIAQMNZPLJ7WRO05F7Y"
  secret_key = "5YwA3ox/kjAaZrqs317z/4nSBTknbbb4y9pPR7Ck"
}
```

The Terminal tab shows the output of the "terraform init" command:

```
Microsoft Windows [Version 10.0.26100.3915]
(c) Microsoft Corporation. All rights reserved.

C:\Users\karth\OneDrive\Desktop\project terraform>terraform init
Initializing the backend...
Initializing provider plugins...
- Reusing previous version of hashicorp/aws from the dependency lock file
- Using previously-installed hashicorp/aws v5.89.0

Terraform has been successfully initialized!
```

You may now begin working with Terraform. Try running "terraform plan" to see any changes that are required for your infrastructure. All Terraform commands should now work.

The status bar at the bottom indicates "Ln 4, Col 57 Spaces: 2 UTF-8 CRLF Terraform 15:11 29-04-2025".

The screenshot shows the Visual Studio Code interface with the title bar "project terraform". The Explorer sidebar on the left lists files: ".terraform", ".terraform.lock.hcl", "authenticator.tf", "ec2.tf", "terraform.exe", "terraform.tfstate", and "terraform.tfstate.backup". The "authenticator.tf" file is open in the editor, showing the same provider configuration as before.

The Terminal tab shows the output of the "terraform apply" command:

```
If you ever set or change modules or backend configuration for Terraform,
rerun this command to reinitialize your working directory. If you forget, other
commands will detect it and remind you to do so if necessary.

C:\Users\karth\OneDrive\Desktop\project terraform>terraform apply -auto-approve
aws_security_group.grafana_sg: Refreshing state... [id=sg-05101570f530d7f4c]
aws_security_group.common_sg: Refreshing state... [id=sg-0f90859baf70a2781]
aws_security_group.jenkins_sg: Refreshing state... [id=sg-09c67d5237a89d69f]

Note: Objects have changed outside of Terraform

Terraform detected the following changes made outside of Terraform since the last "terraform apply" which may have
affected this plan:
```

The status bar at the bottom indicates "Ln 4, Col 57 Spaces: 2 UTF-8 CRLF Terraform 15:13 29-04-2025".

A screenshot of the Visual Studio Code interface. The left sidebar shows the 'EXPLORER' view with files like '.terraform', 'authenticator.tf', and 'ec2.tf'. The main editor window displays Terraform configuration code:

```
provider "aws" {
  region    = "us-east-2"
  access_key = "AKIAQMNZPLJ7WRO05F7Y"
  secret_key = "5YwA3ox/kjAaZrqs317z/4nSBTknbbb4y9pPR7Ck"
}
```

The 'TERMINAL' tab shows deployment logs:

```
Plan: 6 to add, 0 to change, 0 to destroy.
aws_security_group.jenkins_sg: Creating...
aws_security_group.common_sg: Creating...
aws_security_group.grafana_sg: Creating...
aws_security_group.grafana_sg: Creation complete after 6s [id=sg-0d1a17f6d272b84db]
aws_security_group.jenkins_sg: Creation complete after 6s [id=sg-00b8b45a8a1b23608]
aws_security_group.common_sg: Creation complete after 7s [id=sg-005a47e81a463f997]
aws_instance.grafana: Creating...
aws_instance.prod: Creating...
aws_instance.jenkins: Creating...
aws_instance.prod: Still creating... [10s elapsed]
aws_instance.grafana: Still creating... [10s elapsed]
aws_instance.jenkins: Still creating... [10s elapsed]
aws_instance.prod: Creation complete after 16s [id=i-0ddae4495d98ed112]
aws_instance.grafana: Creation complete after 16s [id=i-004a2e0713ca62437]
```

The status bar at the bottom indicates the file is 'AWS: profiledefault' and the date is '29-04-2025'.

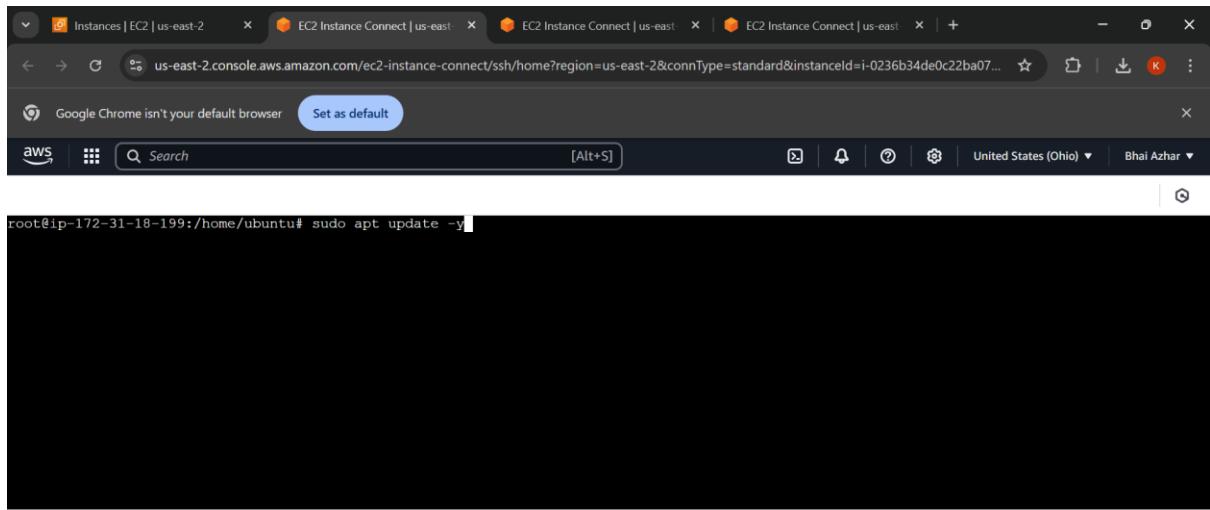
A screenshot of the Visual Studio Code interface in dark mode. The layout and file structure are identical to the first screenshot, showing the same Terraform configuration and deployment logs. The status bar at the bottom indicates the file is 'AWS: profiledefault' and the date is '29-04-2025'.

The screenshot shows the AWS EC2 Instances page. On the left, there's a sidebar with navigation links like Dashboard, EC2 Global View, Events, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, and Capacity Reservations. The main area displays a table titled 'Instances (5) Info' with columns: Name, Instance ID, Instance state, Instance type, Status check, and Alarm status. The table lists five instances: Jenkins-Docke..., Grafana Server, Jenkins-Docke..., and Prod Server, all in the 'Running' state. A search bar at the top says 'Find Instance by attribute or tag (case-sensitive)' and a button says 'All states'. At the bottom, it says 'Select an instance'. The browser header shows the URL 'us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Instances:'.

The screenshot shows a browser window with the URL 'https://raw.githubusercontent.com/akshu20791/Deployment-script/main/jenkins.sh'. The page content is a Jenkins deployment script:

```
#!/bin/bash
# USE UBUNTU20.04 - INSTANCE: 2GB RAM + 2VCPU MIN - WILL ONLY WORK
sudo apt update -y
sudo apt install openjdk-17-jdk -y
sudo apt update -y
sudo apt install maven -y
curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key | sudo tee \
  /usr/share/keyrings/jenkins-keyring.asc > /dev/null
echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
  https://pkg.jenkins.io/debian-stable binary/ | sudo tee \
  /etc/apt/sources.list.d/jenkins.list > /dev/null
sudo apt update -y
sudo apt install jenkins -y
service jenkins start
cat /var/lib/jenkins/secrets/initialAdminPassword
#chmod 777 jenkins.sh
./jenkins.sh
```

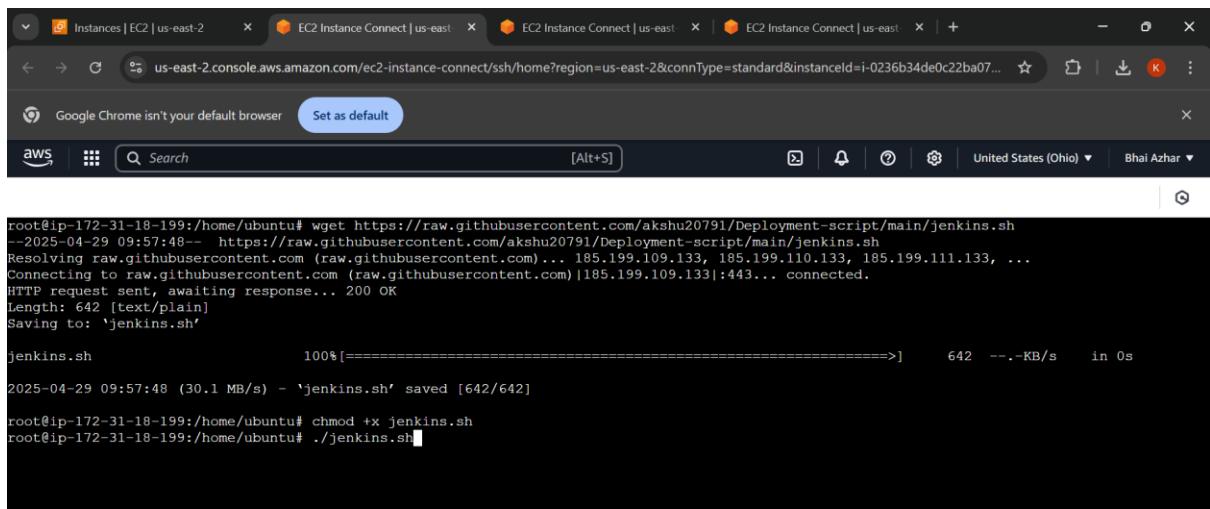
The browser has multiple tabs open, including Banking, Azharhash, FinancePro, Docker Hub, AWS Acco, lab1.1-cor, Jenkins (1), raw.github, and raw.githubusercontent. The system tray at the bottom shows the date as 29-04-2025 and time as 15:14.



```
root@ip-172-31-18-199:/home/ubuntu# sudo apt update -y
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

Public IPs: 18.218.129.169 Private IPs: 172.31.18.199



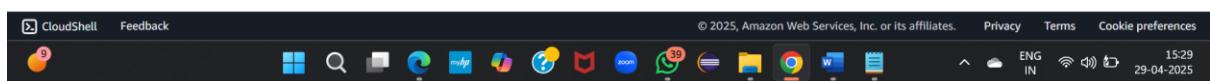
```
root@ip-172-31-18-199:/home/ubuntu# wget https://raw.githubusercontent.com/akshu20791/Deployment-script/main/jenkins.sh
--2025-04-29 09:57:48-- https://raw.githubusercontent.com/akshu20791/Deployment-script/main/jenkins.sh
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.109.133, 185.199.110.133, 185.199.111.133, ...
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|185.199.109.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 642 [text/plain]
Saving to: 'jenkins.sh'

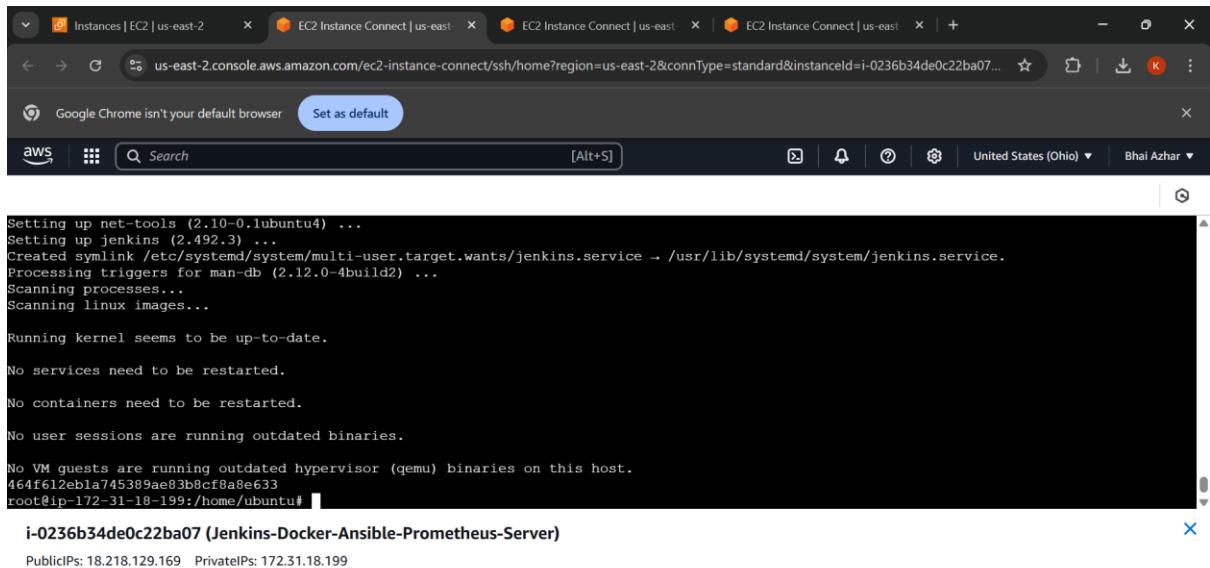
jenkins.sh          100%[=====] 642 --.-KB/s   in 0s
2025-04-29 09:57:48 (30.1 MB/s) - 'jenkins.sh' saved [642/642]

root@ip-172-31-18-199:/home/ubuntu# chmod +x jenkins.sh
root@ip-172-31-18-199:/home/ubuntu# ./jenkins.sh
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

Public IPs: 18.218.129.169 Private IPs: 172.31.18.199





```
Setting up net-tools (2.10-0.1ubuntu4) ...
Setting up jenkins (2.492.3) ...
Created symlink /etc/systemd/system/multi-user.target.wants/jenkins.service → /usr/lib/systemd/system/jenkins.service.
Processing triggers for man-db (2.12.0-4build2) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

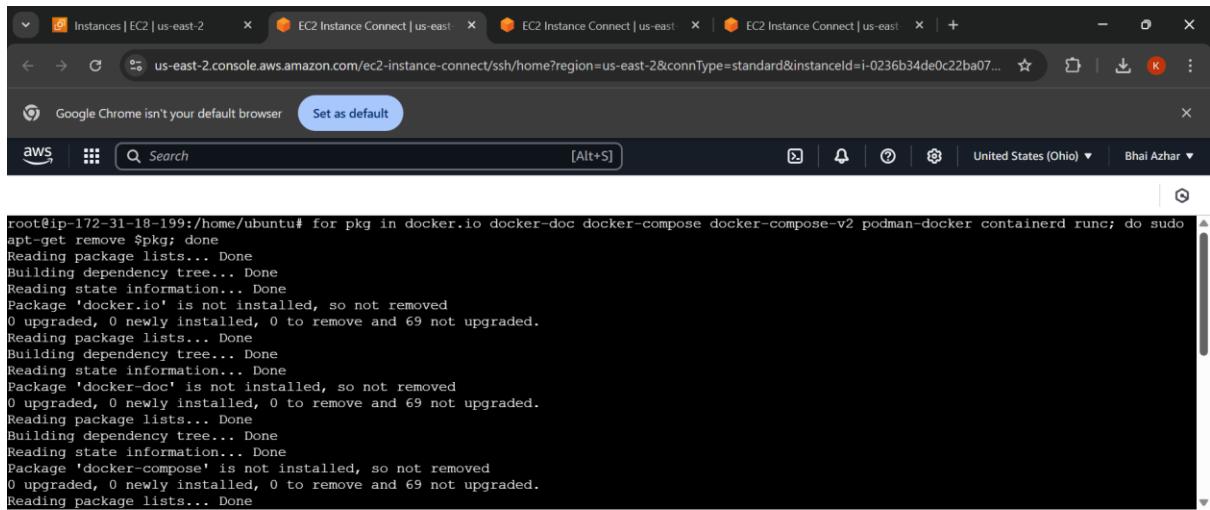
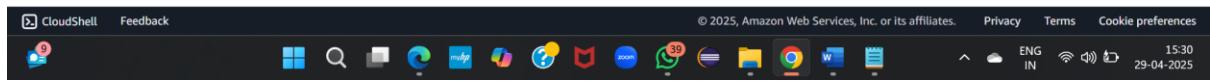
No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
464f612eb1a745389ae83b8cf8a8e633
root@ip-172-31-10-199:/home/ubuntu#
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

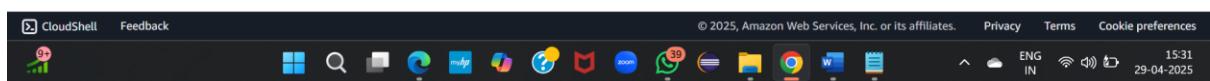
PublicIPs: 18.218.129.169 PrivateIPs: 172.31.18.199



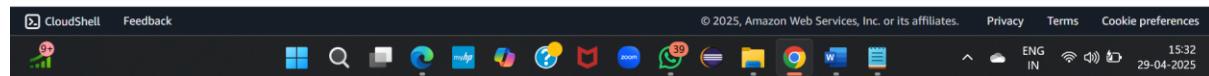
```
root@ip-172-31-18-199:/home/ubuntu# for pkg in docker.io docker-doc docker-compose docker-compose-v2 podman-docker containerd runc; do sudo apt-get remove $pkg; done
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Package 'docker.io' is not installed, so not removed
0 upgraded, 0 newly installed, 0 to remove and 69 not upgraded.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Package 'docker-doc' is not installed, so not removed
0 upgraded, 0 newly installed, 0 to remove and 69 not upgraded.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Package 'docker-compose' is not installed, so not removed
0 upgraded, 0 newly installed, 0 to remove and 69 not upgraded.
Reading package lists... Done
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

PublicIPs: 18.218.129.169 PrivateIPs: 172.31.18.199

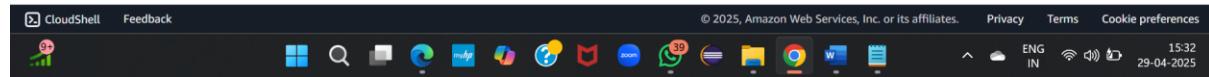


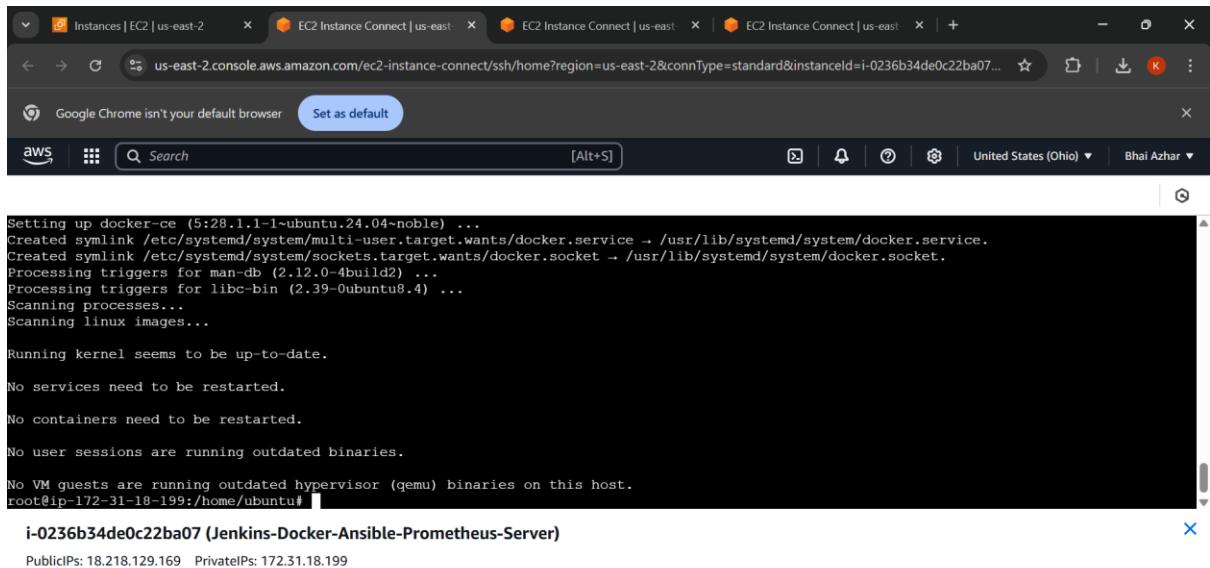
```
Instances | EC2 | us-east-2 x EC2 Instance Connect | us-east x EC2 Instance Connect | us-east x EC2 Instance Connect | us-east x +  
us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=us-east-2&connType=standard&instanceId=i-0236b34de0c22ba07...      
Google Chrome isn't your default browser Set as default  
aws   Search [Alt+S]    United States (Ohio) ▾ Bhai Azhar ▾  
  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
Package 'runc' is not installed, so not removed  
0 upgraded, 0 newly installed, 0 to remove and 69 not upgraded.  
root@ip-172-31-18-199:/home/ubuntu# # Add Docker's official GPG key:  
sudo apt-get update  
sudo apt-get install ca-certificates curl  
sudo install -m 0755 -d /etc/apt/keyrings  
sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc  
sudo chmod a+r /etc/apt/keyrings/docker.asc  
  
# Add the repository to Apt sources:  
echo \  
"deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu \  
$(. /etc/os-release && echo "${UBUNTU_CODENAME}-$VERSION_CODENAME") stable" | \  
sudo tee /etc/apt/sources.list.d/docker.list > /dev/null  
sudo apt-get update
```



```
Building dependency tree... Done
Reading state information... Done
ca-certificates is already the newest version (20240203).
ca-certificates set to manually installed.
curl is already the newest version (8.5.0-2ubuntu10.6).
curl set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 69 not upgraded.
Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Get:4 https://download.docker.com/linux/ubuntu noble InRelease [48.8 kB]
Hit:5 https://security.ubuntu.com/ubuntu noble-security InRelease
Ign:6 https://pkg.jenkins.io/debian-stable binary/
Hit:7 https://pkg.jenkins.io/debian-stable binary/ Release
Get:8 https://download.docker.com/linux/ubuntu noble/stable amd64 Packages [24.0 kB]
Fetched 72.8 kB in 1s (117 kB/s)
Reading package lists... Done
root@ip-172-31-18-199:/home/ubuntu# sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)
PublicIPs: 18.218.129.169 PrivateIPs: 172.31.18.199
```





```
Setting up docker-ce (5:28.1.1-1~ubuntu.24.04-noble) ...
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /usr/lib/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /usr/lib/systemd/system/docker.socket.
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.4) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

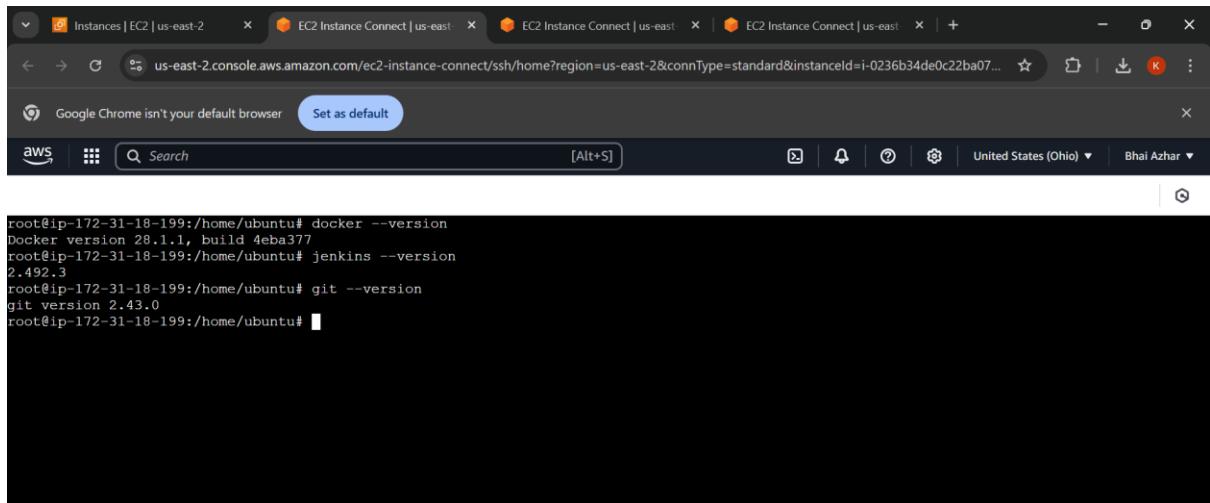
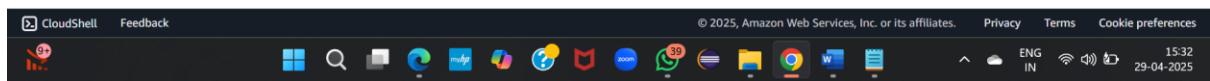
No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-10-199:/home/ubuntu#
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

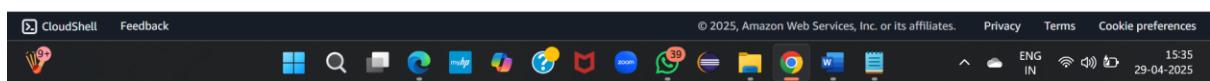
Public IPs: 18.218.129.169 Private IPs: 172.31.18.199

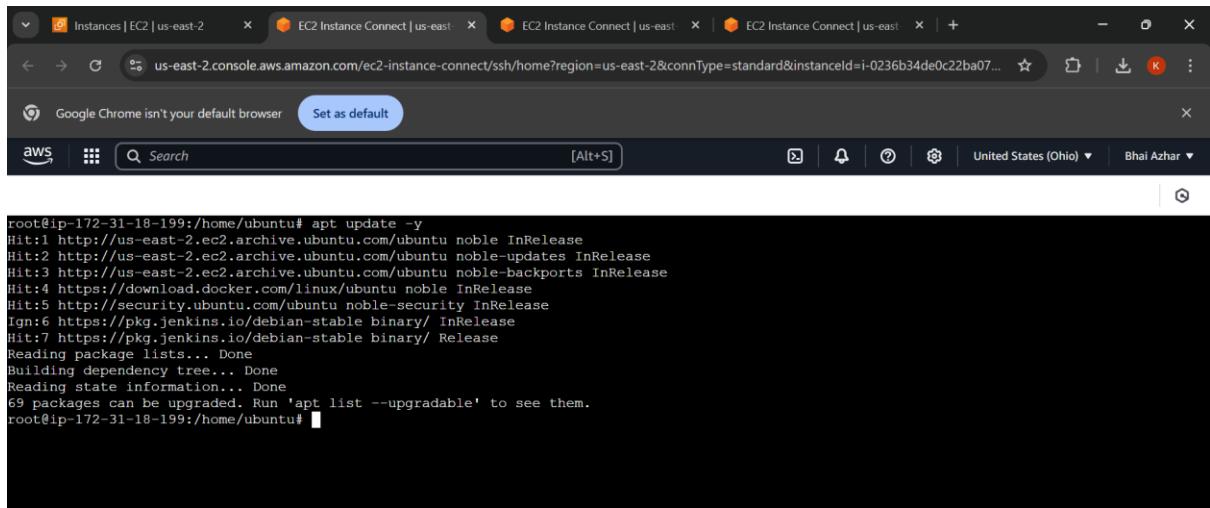


```
root@ip-172-31-18-199:/home/ubuntu# docker --version
Docker version 28.1.1, build 4eba377
root@ip-172-31-18-199:/home/ubuntu# jenkins --version
2.492.3
root@ip-172-31-18-199:/home/ubuntu# git --version
git version 2.43.0
root@ip-172-31-18-199:/home/ubuntu#
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

Public IPs: 18.218.129.169 Private IPs: 172.31.18.199

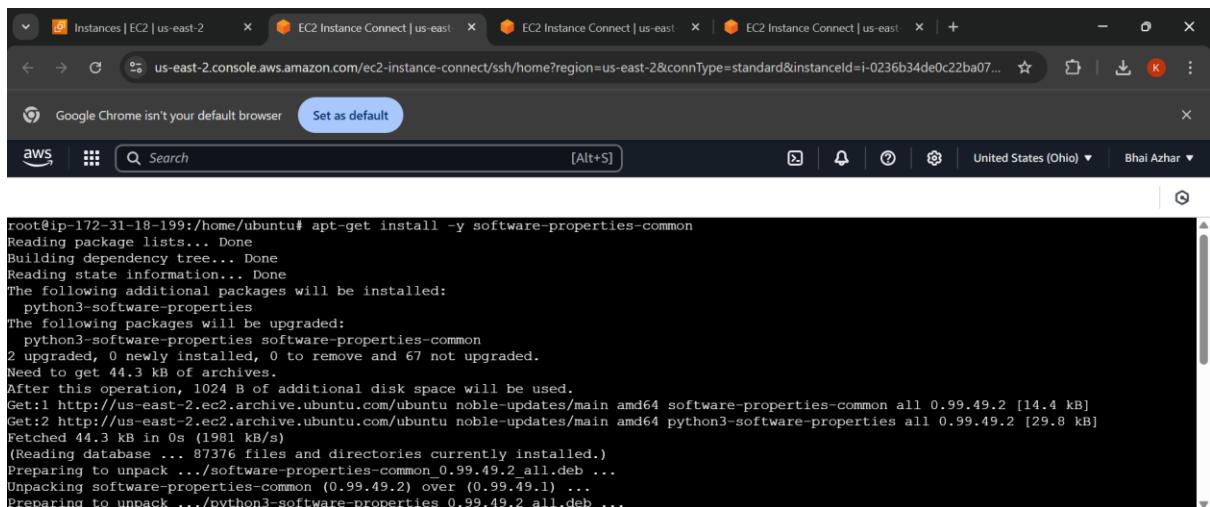
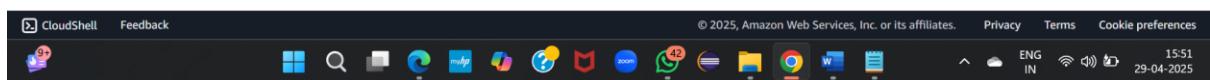




```
root@ip-172-31-18-199:/home/ubuntu# apt update -y
Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:4 https://download.docker.com/linux/ubuntu noble InRelease
Hit:5 http://security.ubuntu.com/ubuntu noble-security InRelease
Ign:6 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:7 https://pkg.jenkins.io/debian-stable binary/ Release
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
69 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@ip-172-31-18-199:/home/ubuntu#
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

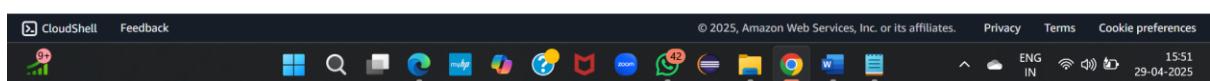
PublicIPs: 18.218.129.169 PrivateIPs: 172.31.18.199



```
root@ip-172-31-18-199:/home/ubuntu# apt-get install -y software-properties-common
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  python3-software-properties
The following packages will be upgraded:
  python3-software-properties software-properties-common
2 upgraded, 0 newly installed, 0 to remove and 67 not upgraded.
Need to get 44.3 kB of archives.
After this operation, 1024 B of additional disk space will be used.
Get:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 software-properties-common all 0.99.49.2 [14.4 kB]
Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 python3-software-properties all 0.99.49.2 [29.8 kB]
Fetched 44.3 kB in 0s (1981 kB/s)
(Reading database ... 87376 files and directories currently installed.)
Preparing to unpack .../software-properties-common_0.99.49.2_all.deb ...
Unpacking software-properties-common (0.99.49.2) over (0.99.49.1) ...
Preparing to unpack .../python3-software-properties_0.99.49.2_all.deb ...
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

PublicIPs: 18.218.129.169 PrivateIPs: 172.31.18.199



Instances | EC2 | us-east-2 | EC2 Instance Connect | us-east | EC2 Instance Connect | us-east | EC2 Instance Connect | us-east | +

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=us-east-2&connType=standard&instanceId=i-0236b34de0c22ba07... ☆

Google Chrome isn't your default browser Set as default

aws Search [Alt+S] United States (Ohio) Bhai Azhar

```
Unpacking python3-software-properties (0.99.49.2) over (0.99.49.1) ...
Setting up python3-software-properties (0.99.49.2) ...
Setting up software-properties-common (0.99.49.2) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for dbus (1.14.10-4ubuntu4.1) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

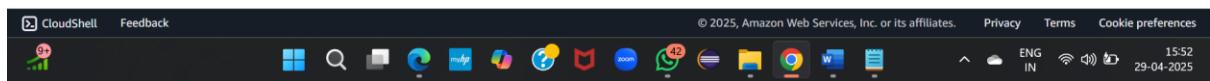
No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (gemm) binaries on this host.
root@ip-172-31-18-199:/home/ubuntu# apt-add-repository ppa:ansible/ansible
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

Public IPs: 18.218.129.169 Private IPs: 172.31.18.199



Instances | EC2 | us-east-2 | EC2 Instance Connect | us-east | EC2 Instance Connect | us-east | EC2 Instance Connect | us-east | +

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=us-east-2&connType=standard&instanceId=i-0236b34de0c22ba07&osU... ☆

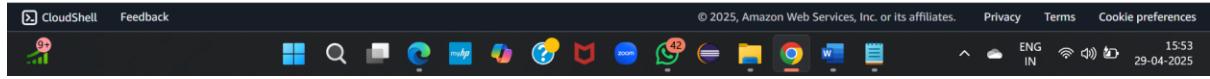
Google Chrome isn't your default browser Set as default

aws Search [Alt+S] United States (Ohio) Bhai Azhar

```
If you face any issues while installing Ansible PPA, file an issue here:
https://github.com/ansible-community/ppa/issues
More info: https://launchpad.net/~ansible/+archive/ubuntu/ansible
Adding repository.
Press [ENTER] to continue or Ctrl-c to cancel.
Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:4 https://download.docker.com/linux/ubuntu noble InRelease
Hit:5 http://security.ubuntu.com/ubuntu noble-security InRelease
Ign:6 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:7 https://pkg.jenkins.io/debian-stable binary/ Release
Get:8 https://ppa.launchpadcontent.net/ansible/ubuntu noble InRelease [17.8 kB]
Get:10 https://ppa.launchpadcontent.net/ansible/ubuntu/noble/main amd64 Packages [776 B]
Get:11 https://ppa.launchpadcontent.net/ansible/ubuntu/noble/main Translation-en [472 B]
Fetched 19.1 kB in 1s (18.5 kB/s)
Reading package lists... Done
root@ip-172-31-18-199:/home/ubuntu# apt-get update
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

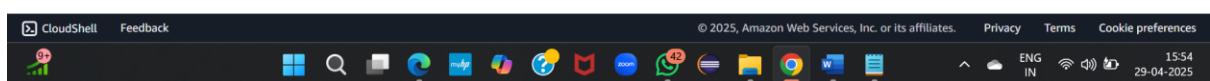
Public IPs: 18.218.129.169 Private IPs: 172.31.18.199



```
Ign:6 https://pkg.jenkins.io/debian-stable binary/ InRelease  
Hit:7 https://pkg.jenkins.io/debian-stable binary/ Release  
Get:8 https://ppa.launchpadcontent.net/ansible/ubuntu noble InRelease [17.8 kB]  
Get:10 https://ppa.launchpadcontent.net/ansible/ubuntu noble/main amd64 Packages [776 B]  
Get:11 https://ppa.launchpadcontent.net/ansible/ubuntu noble/main Translation-en [472 B]  
Fetched 19.1 kB in 1s (18.5 kB/s)  
Reading package lists... Done  
root@ip-172-31-18-199:/home/ubuntu# apt-get update  
Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble InRelease  
Hit:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease  
Hit:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease  
Hit:4 https://download.docker.com/linux/ubuntu noble InRelease  
Ign:5 https://pkg.jenkins.io/debian-stable binary/ InRelease  
Hit:6 https://pkg.jenkins.io/debian-stable binary/ Release  
Hit:7 https://security.ubuntu.com/ubuntu noble-security InRelease  
Hit:8 https://ppa.launchpadcontent.net/ansible/ubuntu noble InRelease  
Reading package lists... Done  
root@ip-172-31-18-199:/home/ubuntu# apt-get install -y ansible
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

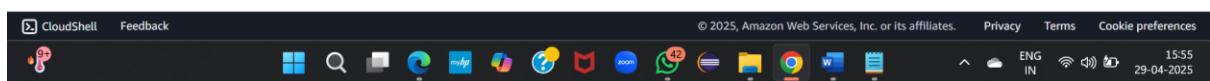
Public IPs: 18.218.129.169 Private IPs: 172.31.18.199

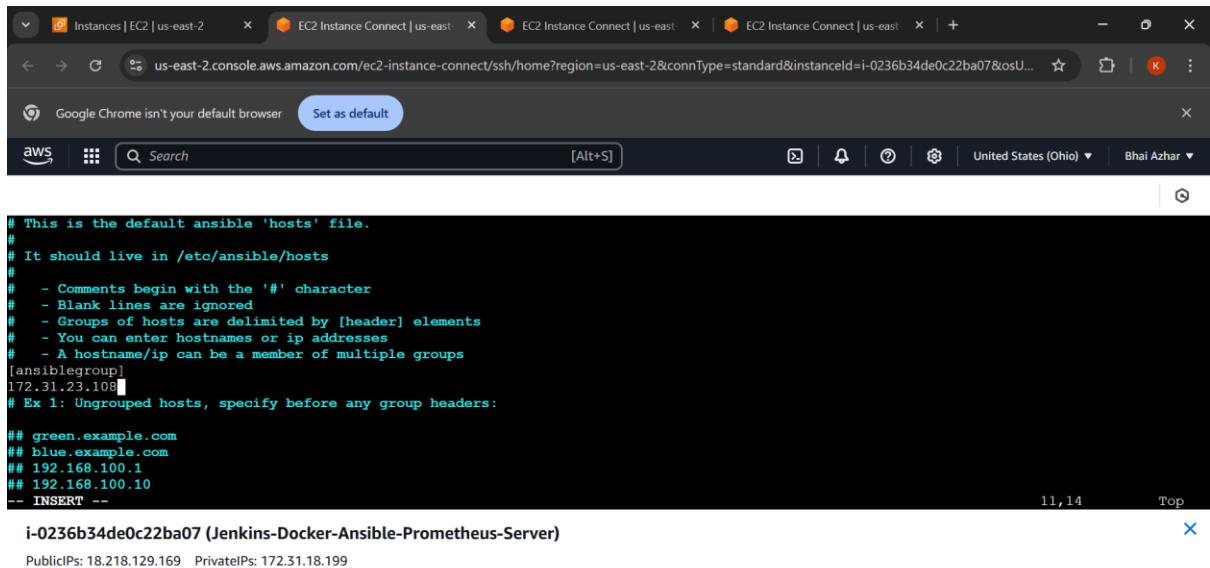


```
No services need to be restarted.  
No containers need to be restarted.  
No user sessions are running outdated binaries.  
  
No VM guests are running outdated hypervisor (qemu) binaries on this host.  
root@ip-172-31-18-199:/home/ubuntu# ansible --version  
ansible [core 2.18.5]  
  config file = /etc/ansible/ansible.cfg  
  configured module search path = ['/root/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']  
  ansible python module location = /usr/lib/python3/dist-packages/ansible  
  ansible collection location = /root/.ansible/collections:/usr/share/ansible/collections  
  executable location = /usr/bin/ansible  
  python version = 3.12.3 (main, Feb  4 2025, 14:48:35) [GCC 13.3.0] (/usr/bin/python3)  
  jinja version = 3.1.2  
  libyaml = True  
root@ip-172-31-18-199:/home/ubuntu# vi /etc/ansible/hosts
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

Public IPs: 18.218.129.169 Private IPs: 172.31.18.199





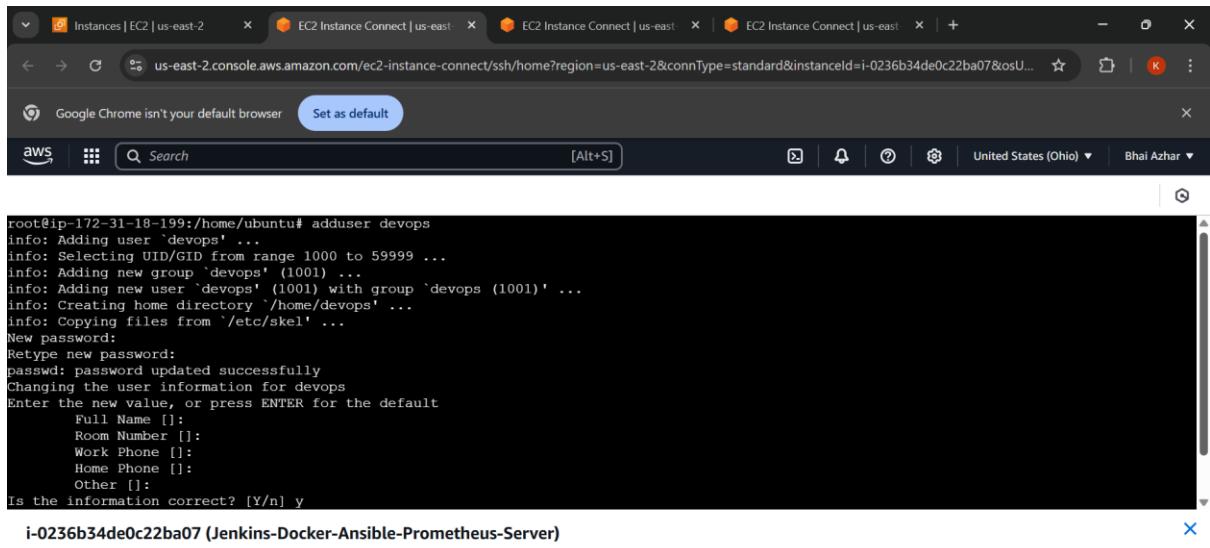
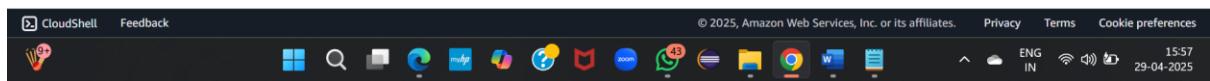
```
# This is the default ansible 'hosts' file.
#
# It should live in /etc/ansible/hosts
#
# - Comments begin with the '#' character
# - Blank lines are ignored
# - Groups of hosts are delimited by [header] elements
# - You can enter hostnames or ip addresses
# - A hostname/ip can be a member of multiple groups
[ansiblegroup]
172.31.23.108
# Ex 1: Ungrouped hosts, specify before any group headers:

## green.example.com
## blue.example.com
## 192.168.100.1
## 192.168.100.10
-- INSERT --
```

11,14 Top

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

Public IPs: 18.218.129.169 Private IPs: 172.31.18.199



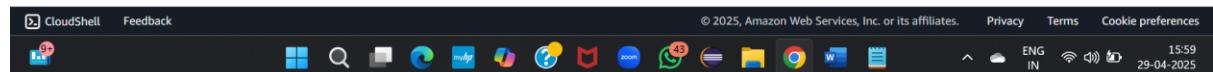
```
root@ip-172-31-18-199:/home/ubuntu# adduser devops
info: Adding user 'devops' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group 'devops' (1001) ...
info: Adding new user 'devops' (1001) with group 'devops (1001)' ...
info: Creating home directory '/home/devops' ...
info: Copying files from '/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for devops
Enter the new value, or press ENTER for the default
  Full Name []:
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []
Is the information correct? [Y/n] y
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

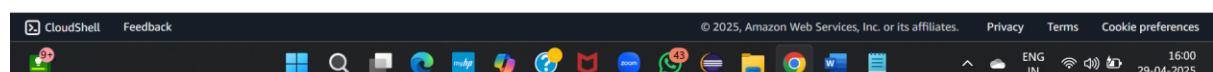
Public IPs: 18.218.129.169 Private IPs: 172.31.18.199



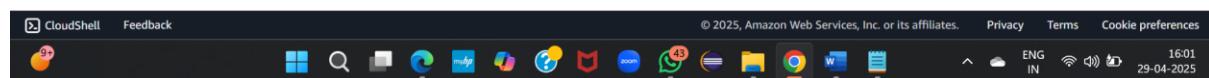
```
root@ip-172-31-23-108:/home/ubuntu# adduser devops
info: Adding user `devops' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `devops' (1001) ...
info: Adding new user `devops' (1001) with group `devops' (1001) ...
info: Creating home directory `/home/devops' ...
info: Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for devops
Enter the new value, or press ENTER for the default
    Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n] y
```



```
info: Adding new group `devops` (1001) ...
info: Adding new user `devops` (1001) with group `devops (1001)` ...
info: Creating home directory `/home/devops` ...
info: Copying files from `/etc/skel` ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for devops
Enter the new value, or press ENTER for the default
    Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n] y
info: Adding new user `devops` to supplemental / extra groups `users` ...
info: Adding user `devops` to group `users` ...
root@ip-172-31-18-199:/home/ubuntu# vi /etc/ssh/sshd_config
```



```
# Authentication:  
  
#LoginGraceTime 2m  
PermitRootLogin yes  
#StrictModes yes  
#MaxAuthTries 6  
#MaxSessions 10  
  
PubkeyAuthentication yes  
  
# Expect .ssh/authorized_keys2 to be disregarded by default in future.  
#AuthorizedKeysFile      .ssh/authorized_keys .ssh/authorized_keys2  
  
#AuthorizedPrincipalsFile none  
  
#AuthorizedKeysCommand none  
-- INSERT --  
  
i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)  
PublicIPs: 18.218.129.169 PrivateIPs: 172.31.18.199
```



```
#AuthorizedKeysCommandUser nobody

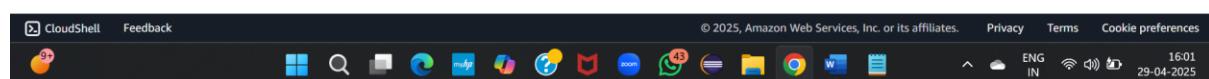
# For this to work you will also need host keys in /etc/ssh/ssh_known_hosts
#HostbasedAuthentication no
# Change to yes if you don't trust ~/.ssh/known_hosts for
# HostbasedAuthentication
#IgnoreUserKnownHosts no
# Don't read the user's ~/.rhosts and ~/.shosts files
#IgnoreRhosts yes

# To disable tunneled clear text passwords, change to no here!
PasswordAuthentication yes
#PermitEmptyPasswords no

# Change to yes to enable challenge-response passwords (beware issues with
# some PAM modules and threads)
#KbdInteractiveAuthentication no
-- INSERT --
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

PublicIP: 192.193.120.160 PrivateIP: 172.31.19.100



Instances | EC2 | us-east-2 | EC2 Instance Connect | us-east | EC2 Instance Connect | us-east | EC2 Instance Connect | us-east | +

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=us-east-2&connType=standard&instanceId=i-0ddae4495d98ed112&osU... Set as default

Google Chrome isn't your default browser

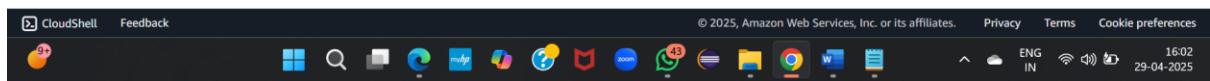
aws Search [Alt+S] United States (Ohio) Bhai Azhar

```
info: Adding new user `devops` (1001) with group `devops` (1001) ...
info: Creating home directory `/home/devops` ...
info: Copying files from `/etc/skel` ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for devops
Enter the new value, or press ENTER for the default
    Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []

Is the information correct? [Y/n] y
info: Adding new user `devops` to supplemental / extra groups `users` ...
info: Adding user `devops` to group `users` ...
root@ip-172-31-23-108:/home/ubuntu# root@ip-172-31-23-108:/home/ubuntu# vi /etc/ssh/sshd_config
```

i-0ddae4495d98ed112 (Prod Server)

PublicIPs: 3.16.187.9 PrivateIPs: 172.31.23.108



Instances | EC2 | us-east-2 | EC2 Instance Connect | us-east | EC2 Instance Connect | us-east | EC2 Instance Connect | us-east | +

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=us-east-2&connType=standard&instanceId=i-0ddae4495d98ed112&osU... Set as default

Google Chrome isn't your default browser

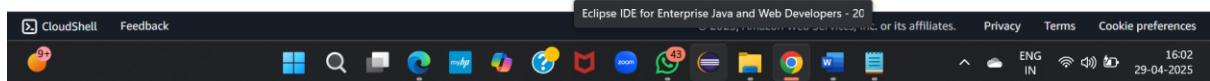
aws Search [Alt+S] United States (Ohio) Bhai Azhar

```
#LogLevel INFO
# Authentication:
#LoginGraceTime 2m
PermitRootLogin yes
#StrictModes yes
#MaxAuthTries 6
#MaxSessions 10

PubkeyAuthentication yes
# Expect .ssh/authorized_keys2 to be disregarded by default in future.
#AuthorizedKeysFile      .ssh/authorized_keys .ssh/authorized_keys2
#AuthorizedPrincipalsFile none
-- INSERT --
```

i-0ddae4495d98ed112 (Prod Server)

PublicIPs: 3.16.187.9 PrivateIPs: 172.31.23.108



```
# For this to work you will also need host keys in /etc/ssh/ssh_known_hosts
#HostbasedAuthentication no
# Change to yes if you don't trust ~/.ssh/known_hosts for
# HostbasedAuthentication
#IgnoreUserKnownHosts no
# Don't read the user's ~/.rhosts and ~/.shosts files
#IgnoreRhosts yes

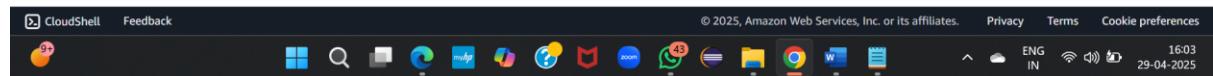
# To disable tunneled clear text passwords, change to no here!
PasswordAuthentication yes
#PermitEmptyPasswords no

# Change to yes to enable challenge-response passwords (beware issues with
# some PAM modules and threads)
KbdInteractiveAuthentication no

# Kerberos options
-- INSERT --
```

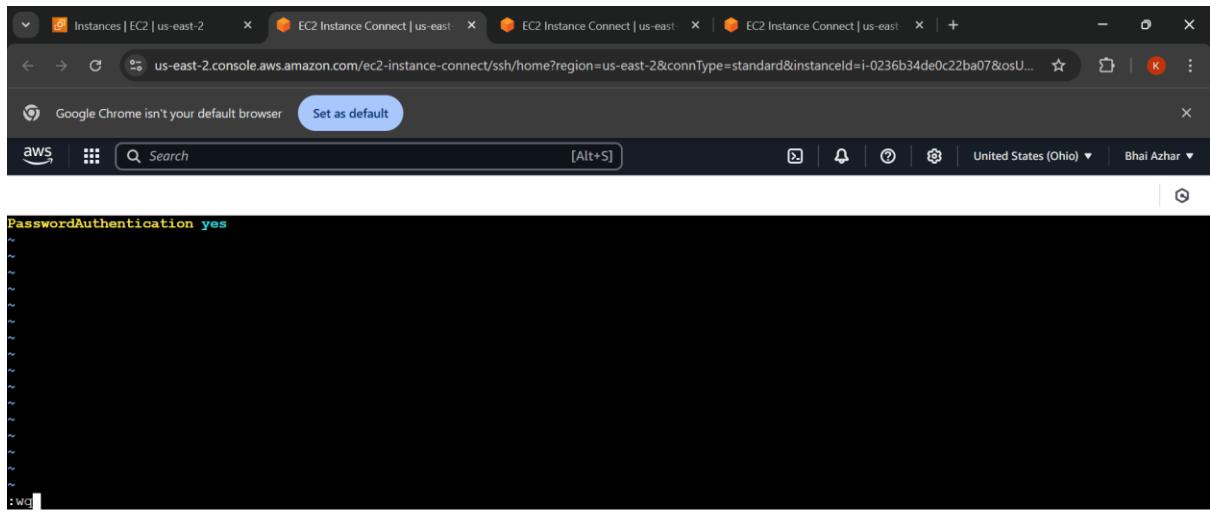
i-0ddae4495d98ed112 (Prod Server)

PublicIPs: 3.16.187.9 PrivateIPs: 172.31.23.108



```
root@ip-172-31-18-199:/home/ubuntu# cd /etc/ssh/sshd_config.d
root@ip-172-31-18-199:/etc/ssh/sshd_config.d# ls -ltr
total 4
-rw-r--r-- 1 root root 26 Mar  5 08:40 60-cloudimg-settings.conf
root@ip-172-31-18-199:/etc/ssh/sshd_config.d# vi 60-cloudimg-settings.conf
```

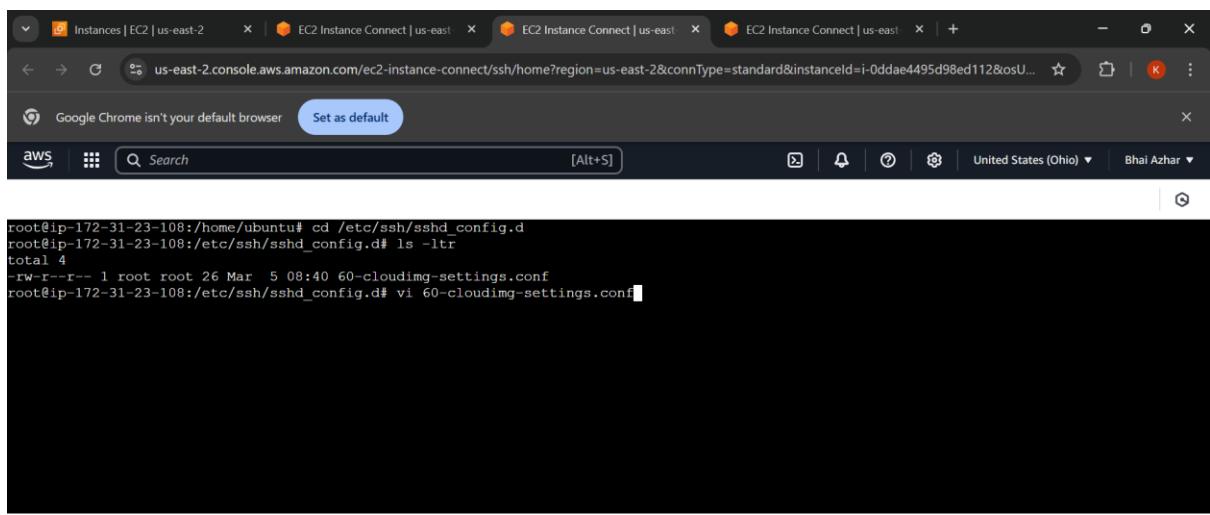
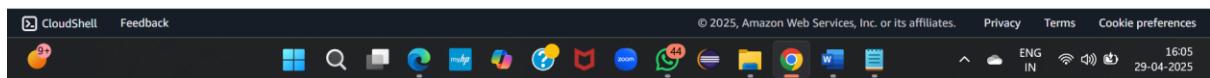




```
>PasswordAuthentication yes
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

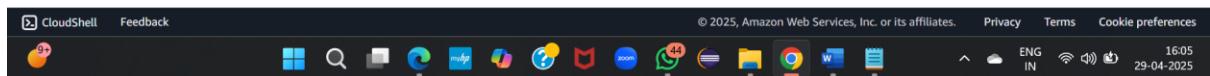
Public IPs: 18.218.129.169 Private IPs: 172.31.18.199

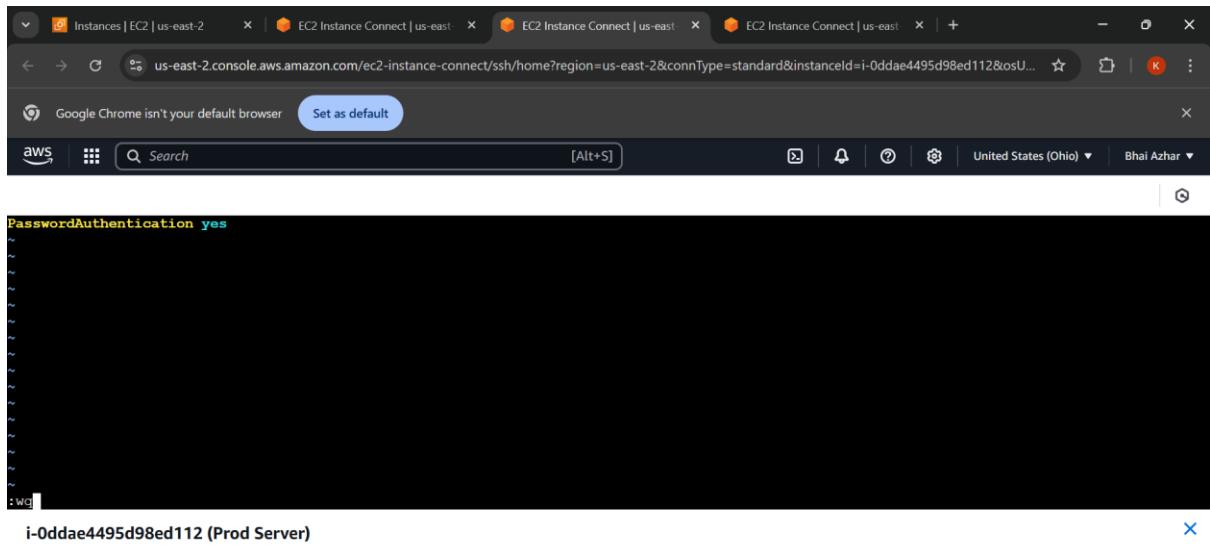


```
root@ip-172-31-23-108:/home/ubuntu# cd /etc/ssh/sshd_config.d
root@ip-172-31-23-108:/etc/ssh/sshd_config.d# ls -ltr
total 4
-rw-r--r-- 1 root root 26 Mar  5 08:40 60-cloudimg-settings.conf
root@ip-172-31-23-108:/etc/ssh/sshd_config.d# vi 60-cloudimg-settings.conf
```

i-0ddae4495d98ed112 (Prod Server)

Public IPs: 3.16.187.9 Private IPs: 172.31.23.108

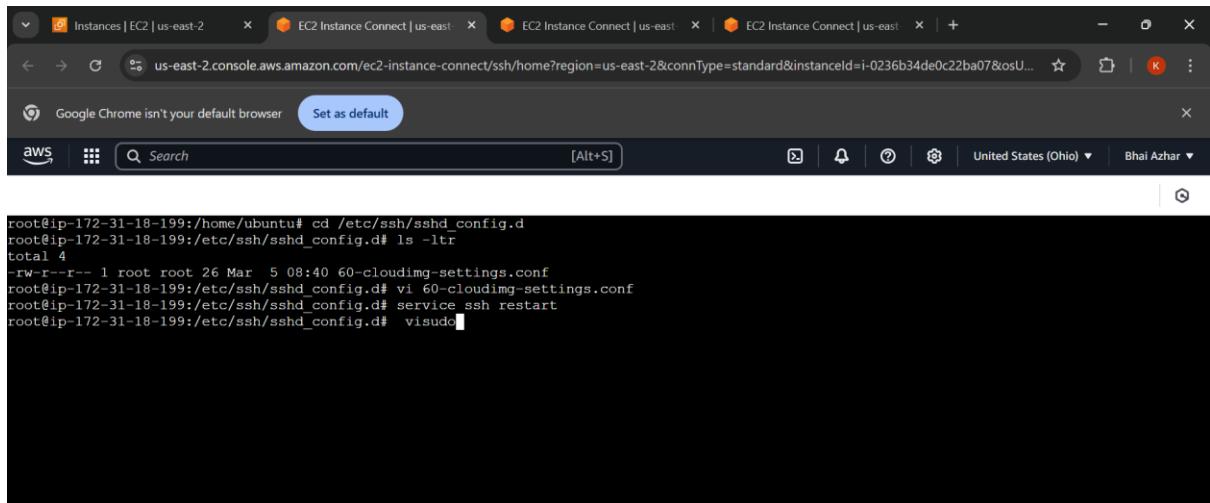
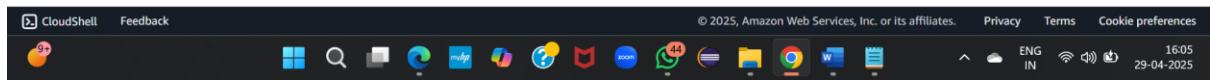




```
>PasswordAuthentication yes
```

i-0ddae4495d98ed112 (Prod Server)

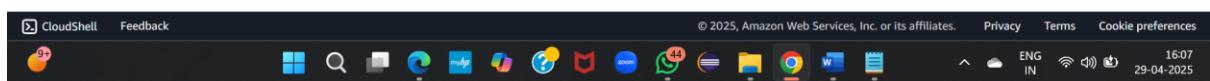
Public IPs: 3.16.187.9 Private IPs: 172.31.23.108

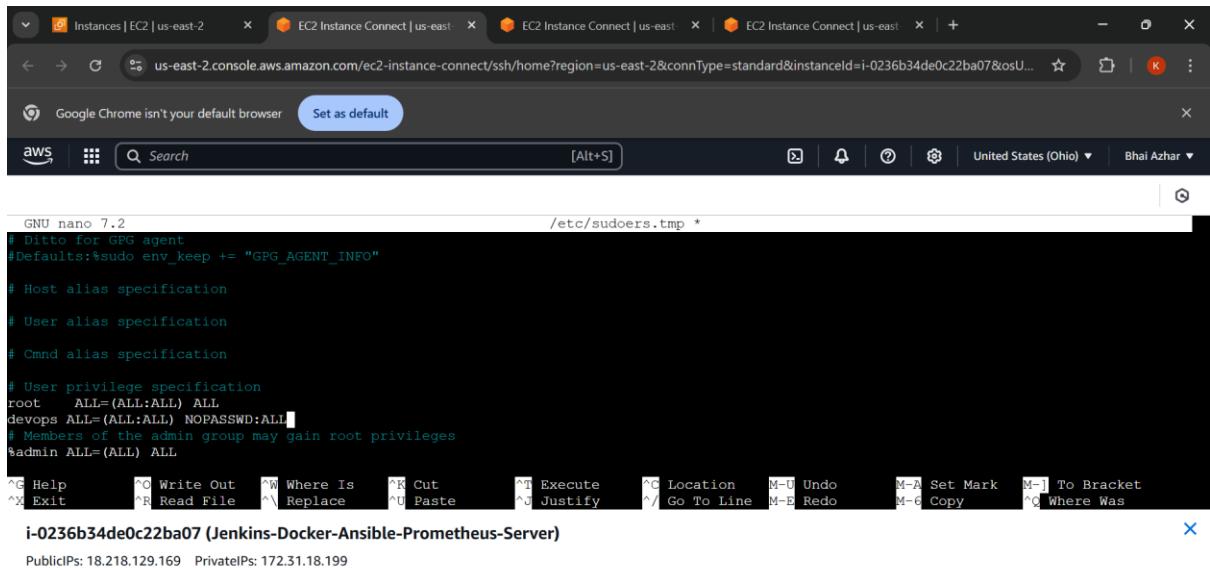


```
root@ip-172-31-18-199:/home/ubuntu# cd /etc/ssh/sshd_config.d
root@ip-172-31-18-199:/etc/ssh/sshd_config.d# ls -ltr
total 4
-rw-r--r-- 1 root root 26 Mar  5 08:40 60-cloudimg-settings.conf
root@ip-172-31-18-199:/etc/ssh/sshd_config.d# vi 60-cloudimg-settings.conf
root@ip-172-31-18-199:/etc/ssh/sshd_config.d# service ssh restart
root@ip-172-31-18-199:/etc/ssh/sshd_config.d# visudo
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

Public IPs: 18.218.129.169 Private IPs: 172.31.18.199





```
GNU nano 7.2          /etc/sudoers.tmp *
```

```
# Ditto for GPG agent
Defaults:Defaults env_keep += "GPG_AGENT_INFO"

# Host alias specification

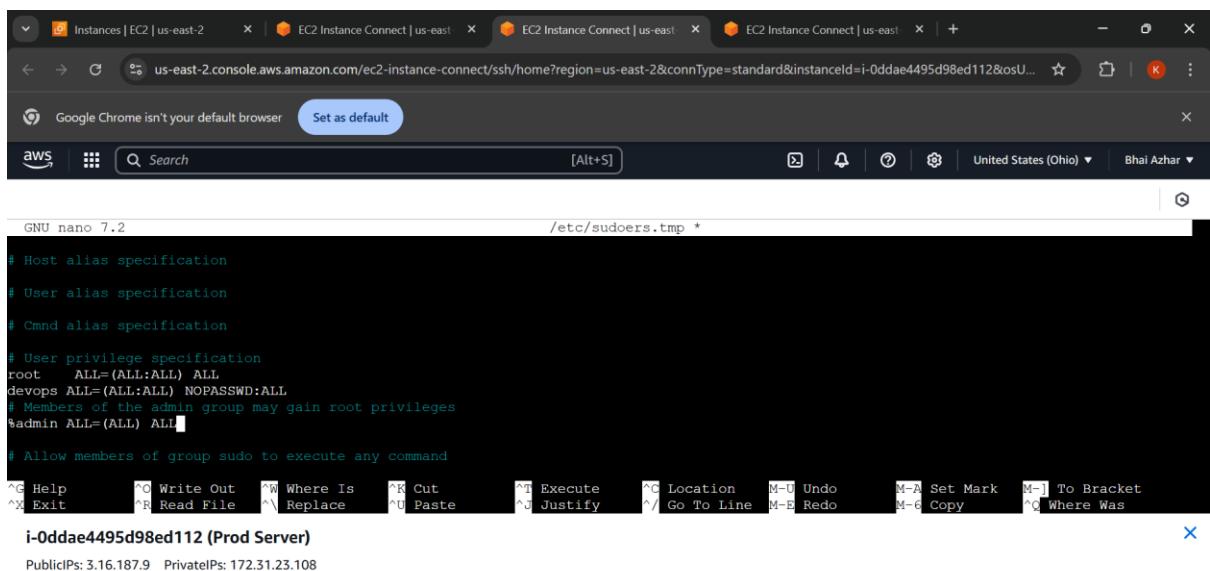
# User alias specification

# Cmnd alias specification

# User privilege specification
root    ALL=(ALL:ALL) ALL
devops  ALL=(ALL:ALL) NOPASSWD:ALL
# Members of the admin group may gain root privileges
%admin  ALL=(ALL) ALL
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

Public IPs: 18.218.129.169 Private IPs: 172.31.18.199



```
GNU nano 7.2          /etc/sudoers.tmp *
```

```
# Host alias specification

# User alias specification

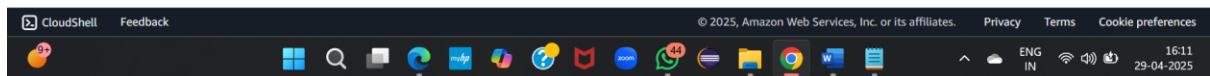
# Cmnd alias specification

# User privilege specification
root    ALL=(ALL:ALL) ALL
devops  ALL=(ALL:ALL) NOPASSWD:ALL
# Members of the admin group may gain root privileges
%admin  ALL=(ALL) ALL

# Allow members of group sudo to execute any command
```

i-0ddae4495d98ed112 (Prod Server)

Public IPs: 3.16.187.9 Private IPs: 172.31.23.108

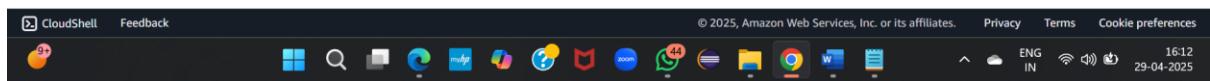


The screenshot shows a web browser window with four tabs open, all titled "EC2 Instance Connect | us-east-2". The active tab displays the URL us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=us-east-2&connType=standard&instanceId=i-0236b34de0c22ba07&osU.... The browser interface includes a search bar, AWS logo, and user information "Bhai Azhar". The main content area shows a terminal session output:

```
root@ip-172-31-18-199:/etc/ssh/sshd_config.d# su - devops
su: invalid option -- 'd'
Try 'su --help' for more information.
root@ip-172-31-18-199:/etc/ssh/sshd_config.d# ssh-keygen
Generating public/private ed25519 key pair.
Enter file in which to save the key (/root/.ssh/id_ed25519):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/.ssh/id_ed25519
Your public key has been saved in /root/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:VGSA/X+ii/uKcT3b8WcbJsNBznhEw0URpiJBPZZqDo root@ip-172-31-18-199
The key's randomart image is:
+--[ED25519 256]--+
|          .++BBB.|
|          .oo.o+=+ |
|          ...o o   |
|          .. *     |
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

Public IPs: 18.218.129.169 Private IPs: 172.31.18.199



The screenshot shows a web browser window with four tabs open, all titled "EC2 Instance Connect | us-east-2". The active tab displays the URL us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=us-east-2&connType=standard&instanceId=i-0236b34de0c22ba07&osU.... The browser interface includes a search bar, AWS logo, and user information "Bhai Azhar". The main content area shows a terminal session output:

```
root@ip-172-31-18-199:/etc/ssh/sshd_config.d# su - devops
devops@ip-172-31-18-199:~$ ls -a
.  ..  .bash_logout  .bashrc  .profile
devops@ip-172-31-18-199:~$ ssh-keygen
Generating public/private ed25519 key pair.
Enter file in which to save the key (/home/devops/.ssh/id_ed25519):
Created directory '/home/devops/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/devops/.ssh/id_ed25519
Your public key has been saved in /home/devops/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:SKCoez17Ts190E3lyHcrnjRHmc7tteKX9ZM3go5nVo devops@ip-172-31-18-199
The key's randomart image is:
+--[ED25519 256]--+
|          .         |
|          . . . o    |
|          . . = o .   |
|          . . . . .   |
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

Public IPs: 18.218.129.169 Private IPs: 172.31.18.199



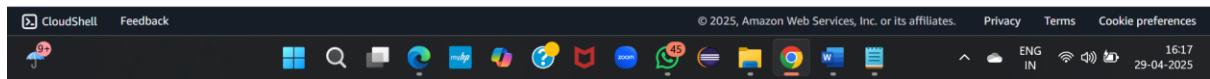
```
+----[SHA256]----+
devops@ip-172-31-18-199:~$ la -a
. . . .bash_logout .bashrc .profile .ssh
devops@ip-172-31-18-199:~$ cd .ssh
devops@ip-172-31-18-199:~/ssh$ ssh-copy-id devops@172.31.23.108
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/devops/.ssh/id_ed25519.pub"
The authenticity of host '172.31.23.108 (172.31.23.108)' can't be established.
ED25519 key fingerprint is SHA256:BYzr/OvSM0I0ln+HbBYLnuMloq/+5Z/zIwMRjfTVB0.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys
devops@172.31.23.108's password:

Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'devops@172.31.23.108'"
and check to make sure that only the key(s) you wanted were added.
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

PublicIPs: 18.218.129.169 PrivateIPs: 172.31.18.199



Getting Started

Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

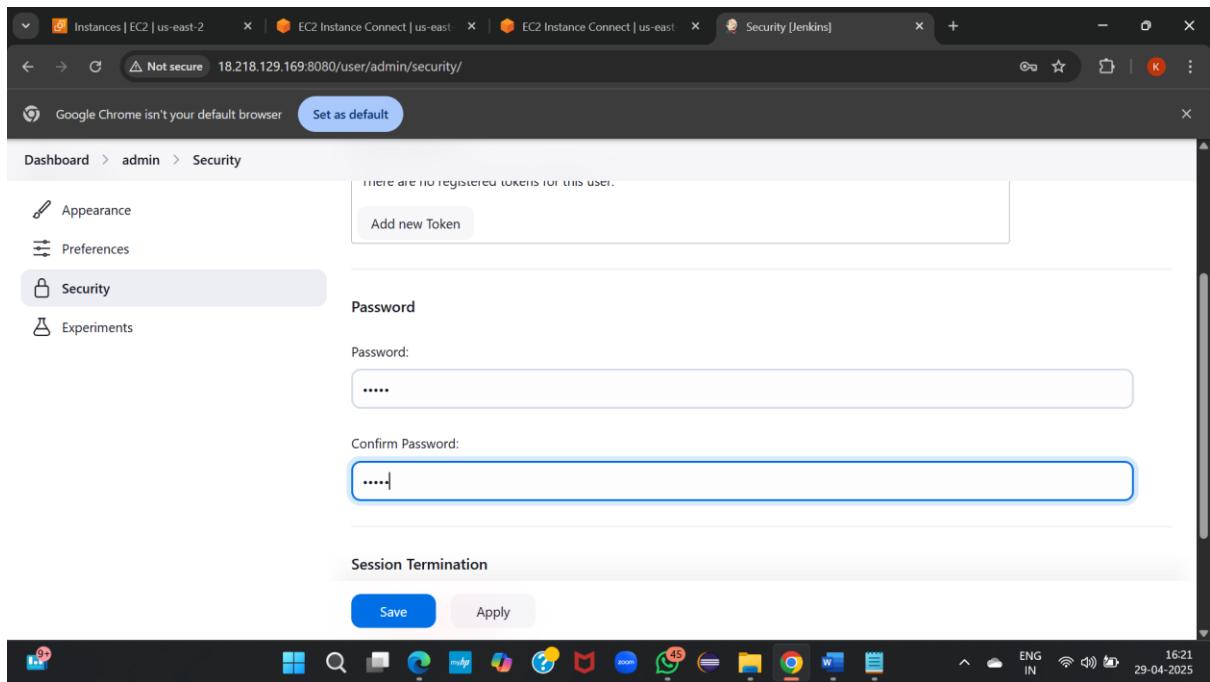
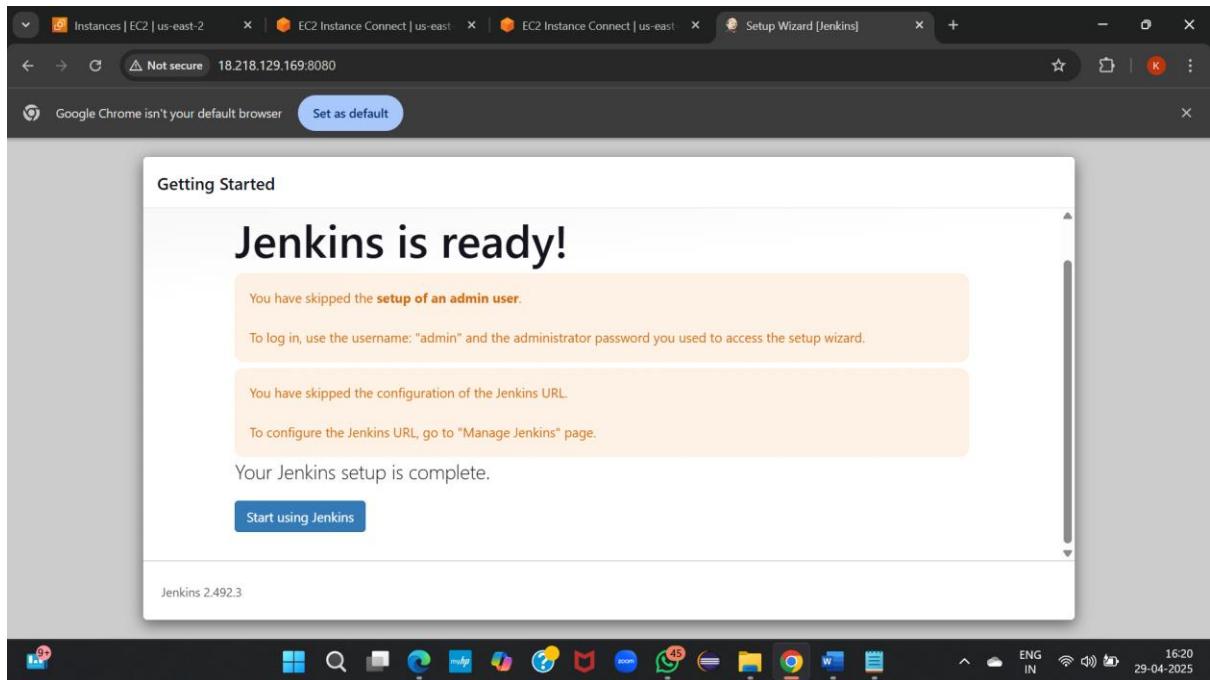
/var/lib/jenkins/secrets/initialAdminPassword

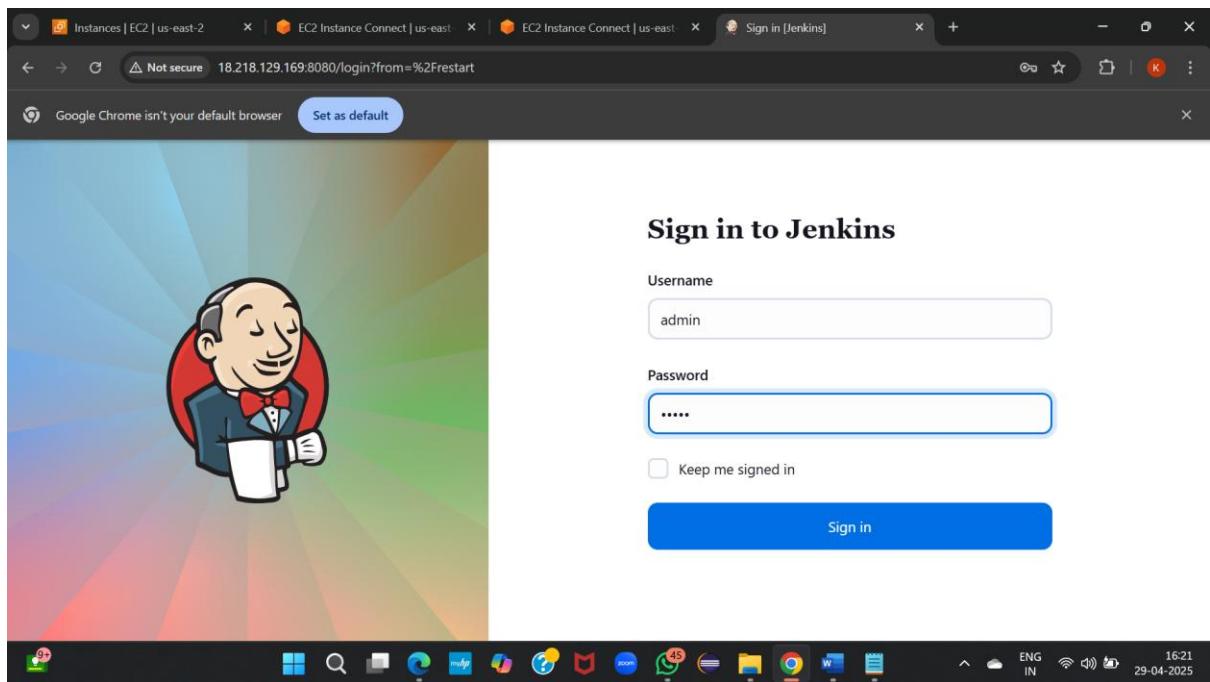
Please copy the password from either location and paste it below.

Administrator password

[REDACTED]

Continue





A screenshot of the Jenkins plugin manager interface. The URL is 18.218.129.169:8080/manage/pluginManager/available. The page title is 'Available plugins - Plugins [Jenkins]'. The left sidebar has links for 'Updates', 'Available plugins' (which is selected and highlighted in grey), 'Installed plugins', and 'Advanced settings'. The main content area shows a table of available plugins. The columns are 'Install', 'Name', and 'Released'. Three plugins are listed:

Install	Name	Released
<input checked="" type="checkbox"/>	GitHub 1.43.0 External Site/Tool Integrations github	1 mo 1 day ago
<input checked="" type="checkbox"/>	GitHub API 1.321-488.v9b_c0da_9533fb github Library plugins (for use by other plugins)	1 mo 1 day ago
<input checked="" type="checkbox"/>	Docker API 3.5.0-108.v211cdd21c383 Library plugins (for use by other plugins) docker	27 days ago

The browser's address bar shows the URL and indicates it is 'Not secure'. The taskbar at the bottom includes icons for various applications like Mail, Photos, and Google Chrome.

The screenshot shows the Jenkins plugin manager interface. The left sidebar has tabs for 'Updates', 'Available plugins' (which is selected), 'Installed plugins', and 'Advanced settings'. The main area displays a list of available plugins:

- Generic Webhook Trigger** 2.3.1
notification github webhook Build Parameters gitlab Build Triggers bitbucket bitbucket-server jira
Can receive any HTTP request, extract any values from JSON or XML and trigger a job with those values available as variables. Works with GitHub, GitLab, Bitbucket, Jira and many more.
2 mo 18 days ago
- GitHub Integration** 0.7.2
emailext Build Triggers
GitHub Integration Plugin for Jenkins
3 mo 14 days ago
- GitHub Authentication** 651.v135e939e8b_60
github Security Authentication and User Management
Authentication plugin using GitHub OAuth to provide authentication and authorization capabilities for GitHub and GitHub Enterprise.
1 mo 0 days ago
- Pipeline: GitHub** 2.8-162.382498405fdc

The bottom status bar shows system information: ENG IN, 16:27, 29-04-2025.

The screenshot shows the Jenkins plugin manager interface, similar to the first one but with a different set of plugins listed under the 'Available plugins' tab. The list includes:

- Docker** 1274.vc0203fdf2e74
Cloud Providers Cluster Management docker
This plugin integrates Jenkins with Docker
1 mo 22 days ago
- Docker Commons** 451.vd12c371eeeb_3
Library plugins (for use by other plugins) docker
Provides the common shared functionality for various Docker-related plugins.
1 mo 19 days ago
- Pipeline** 608.v67378e9d3db_1
Command Line Interface Agent Management Build Triggers Miscellaneous
A suite of plugins that lets you orchestrate automation, simple or complex. See [Pipeline as Code with Jenkins](#) for more details.
1 mo 10 days ago
- Pipeline: Step API** 700.v6e45cb_a_5a_a_21
Library plugins (for use by other plugins) Miscellaneous
API for asynchronous build step primitive.
2 mo 3 days ago

The bottom status bar shows system information: ENG IN, 16:27, 29-04-2025.

The screenshot shows the Jenkins 'Available plugins' page. The URL is 18.218.129.169:8080/manage/pluginManager/available. The left sidebar has tabs for 'Updates', 'Available plugins' (which is selected), 'Installed plugins', and 'Advanced settings'. The main area has a search bar and an 'Install' button. It lists four available plugins:

- Pipeline: API** 1371.vc334280b_d611
Plugin that defines Pipeline API.
Category: Pipeline related
Last updated: 20 days ago
- Pipeline: SCM Step** 437.v05a_f66b_e5ef8
Source Code Management related
Category: Source Code Management
Last updated: 2 mo 5 days ago
- Pipeline: Job** 1520.v56d65e3b_4566
pipeline
Category: Miscellaneous
Last updated: 13 days ago
- Pipeline: Basic Steps** 1079.vce64b_a_929c5a...
pipeline
Category: Miscellaneous
Last updated: 3 mo 5 days ago

The taskbar at the bottom shows various application icons and the date 29-04-2025.

The screenshot shows the Jenkins 'Available plugins' page. The URL is 18.218.129.169:8080/manage/pluginManager/available. The left sidebar has tabs for 'Updates', 'Available plugins' (selected), 'Installed plugins', and 'Advanced settings'. The main area has a search bar and an 'Install' button. It lists four available plugins:

- Pipeline: Stage Step** 322.vecffa_99f371c
pipeline
Category: Miscellaneous
Last updated: 2 mo 5 days ago
- Pipeline: Build Step** 567.vea_ce550ece97
Miscellaneous
Last updated: 18 days ago
- Pipeline: Declarative** 2.2255.v56a_15e805f12
pipeline
Category: Miscellaneous
Last updated: 16 hr ago
- Pipeline: Stage View** 2.37
User Interface
Last updated: 2 mo 14 days ago

The taskbar at the bottom shows various application icons and the date 29-04-2025.

The screenshot shows the Jenkins plugin manager interface. On the left, there's a sidebar with links: 'Updates' (disabled), 'Available plugins' (selected), 'Installed plugins', and 'Advanced settings'. The main area has a search bar at the top with placeholder text 'Search available plugins'. Below it is a table listing several available plugins:

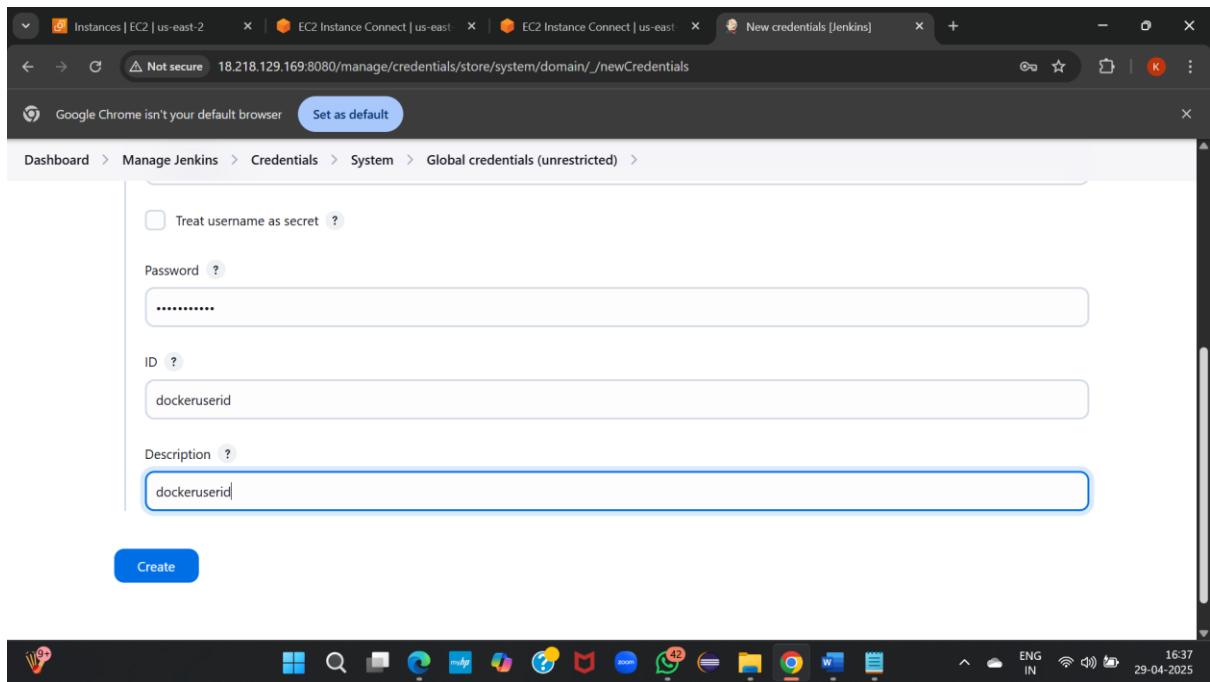
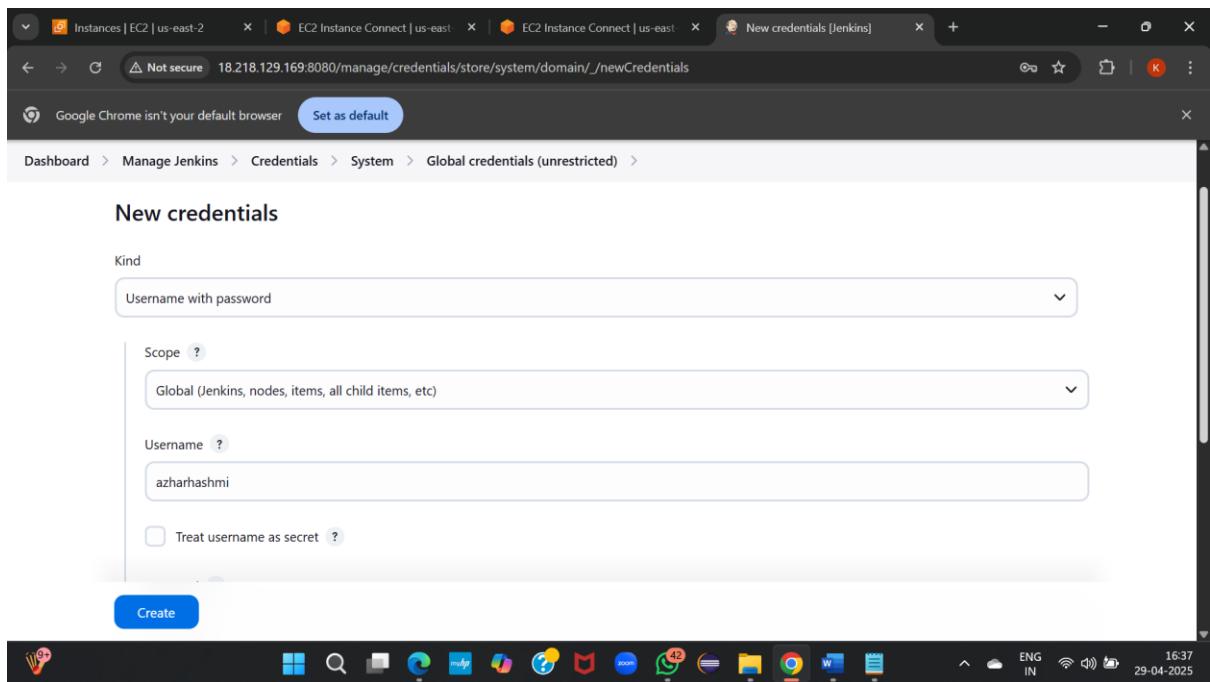
Plugin	Description	Last Updated
Pipeline: Declarative	Adds the Pipeline step <code>build</code> to trigger builds of other jobs.	16 hr ago
Pipeline: Stage View	Pipeline Stage View Plugin.	2 mo 14 days ago
Ansible	Invoke Ansible Ad-Hoc commands and playbooks.	1 mo 12 days ago
Pipeline Maven Plugin API	Pipeline Maven Plugin API	1 mo 19 days ago

At the bottom right of the table is a blue 'Install' button. The system tray at the bottom shows various icons and the date/time: 29-04-2025, 16:28.

This screenshot shows the Jenkins plugin manager with the 'Download progress' tab selected. It lists the same set of available plugins from the previous screen, each accompanied by a green checkmark icon and the word 'Success'.

Plugin	Status
Pipeline: API	Success
Pipeline: SCM Step	Success
Pipeline: Job	Success
Pipeline: Basic Steps	Success
Pipeline: Stage Step	Success
Pipeline: Build Step	Success
Pipeline: Declarative	Success
Pipeline Graph Analysis	Success
Pipeline: REST API	Success
Pipeline: Stage View	Success
Ansible	Success
Pipeline Maven Plugin API	Success
Loading plugin extensions	Success

Below the table, there are two links: 'Go back to the top page' and 'Restart Jenkins when installation is complete and no jobs are running'. The system tray at the bottom shows the date/time: 29-04-2025, 16:30.



The screenshot shows the Jenkins Global credentials (unrestricted) page. At the top, there are three tabs: Instances | EC2 | us-east-2, EC2 Instance Connect | us-east, and EC2 Instance Connect | us-east. The main content area has a header "Global credentials (unrestricted)". Below it, a message says "Credentials that should be available irrespective of domain specification to requirements matching." A table lists one credential:

ID	Name	Kind	Description
dockeruserid	azharhashmi***** (dockeruserid)	Username with password	dockeruserid

At the bottom left, there are icons for S, M, and L. On the right, there is a "REST API" link and the Jenkins version "Jenkins 2.492.3".

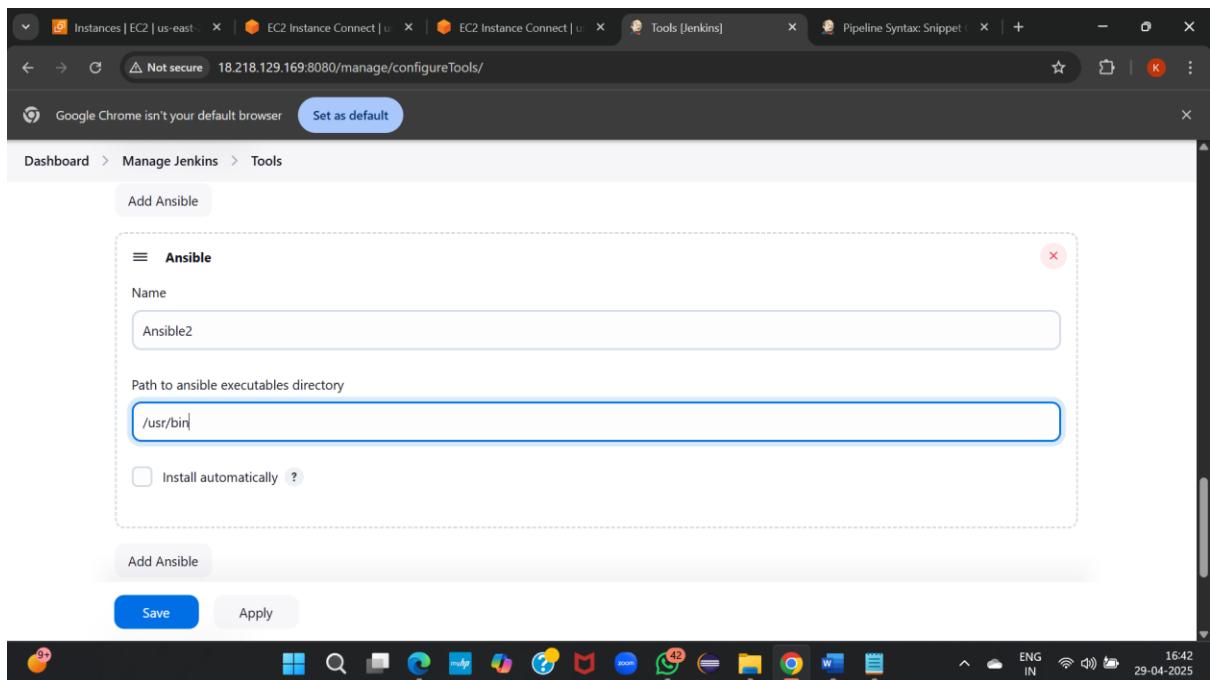
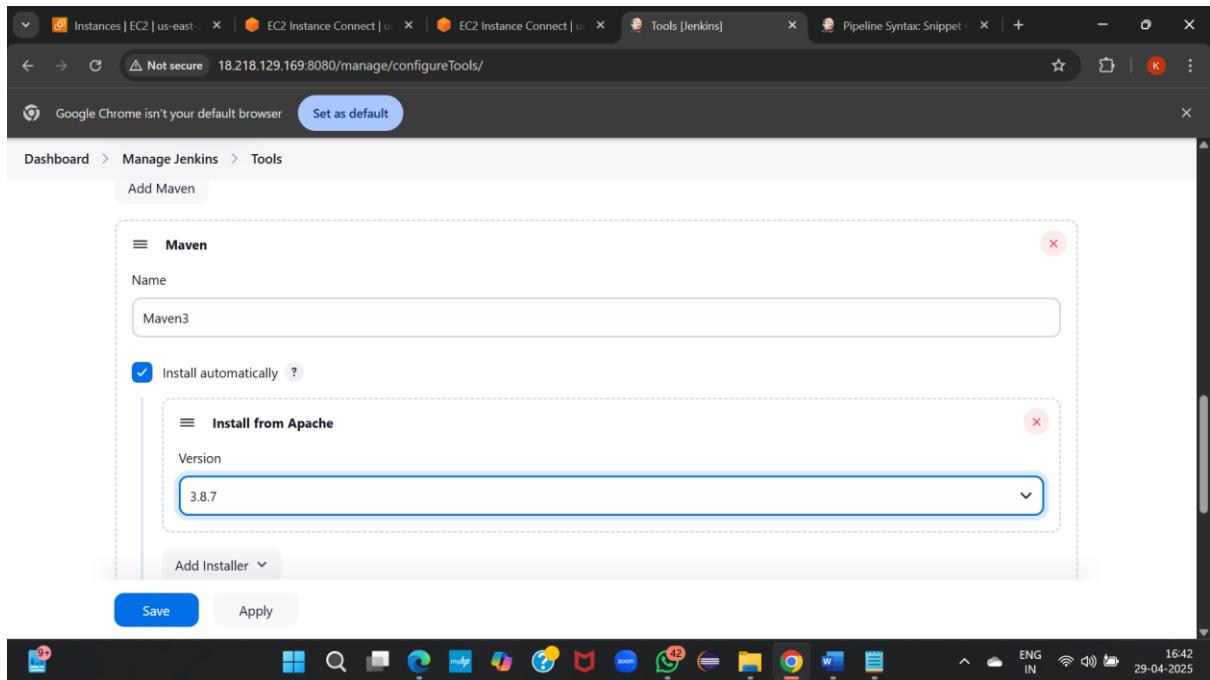
The screenshot shows the Jenkins New Item [Jenkins] page. The URL in the address bar is 18.218.129.169:8080/view/all/newJob. The main content area has a header "New Item" and a sub-header "Enter an item name". A text input field contains "BankingFinanceProject". Below it, a section titled "Select an item type" shows three options:

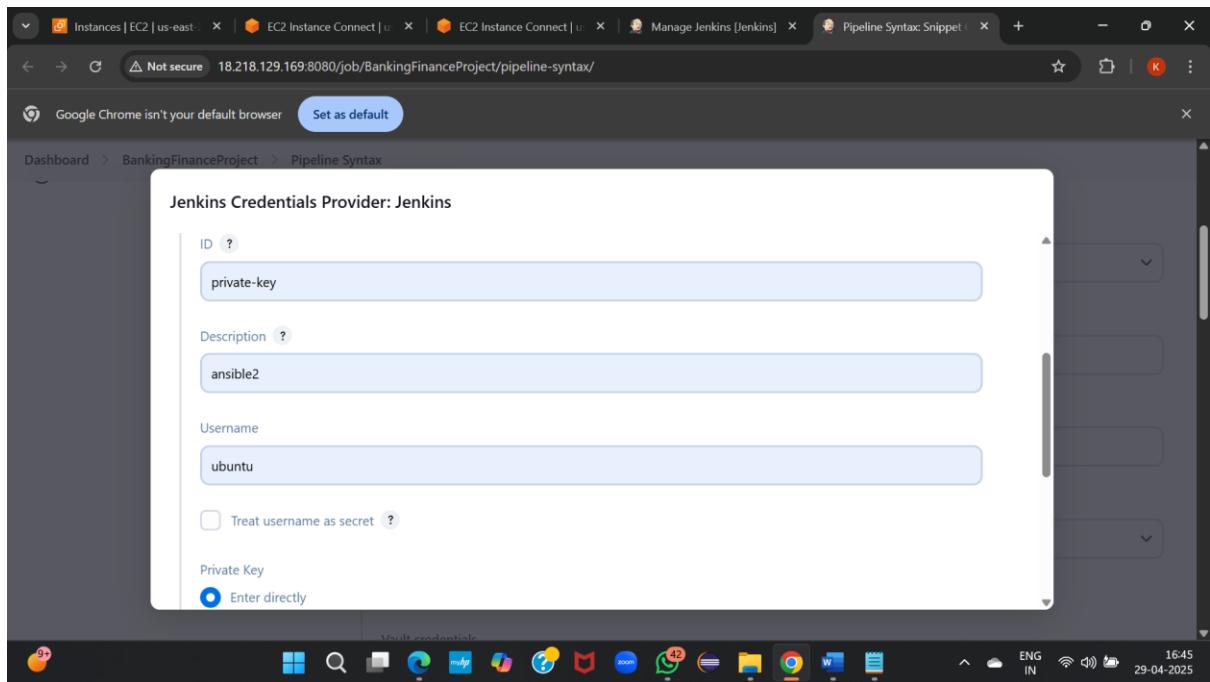
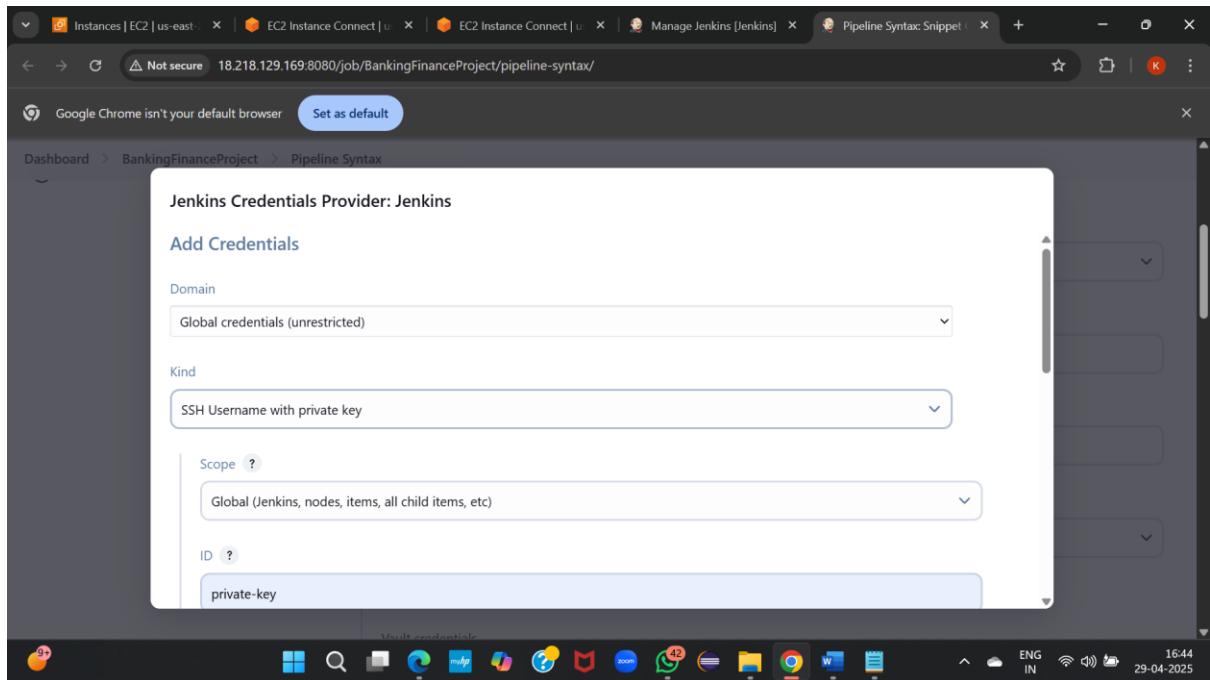
- Freestyle project**: Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.
- Pipeline**: Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
- Multi-configuration project**: Suitable for projects that need a larger number of different configurations, such as testing on multiple environments.

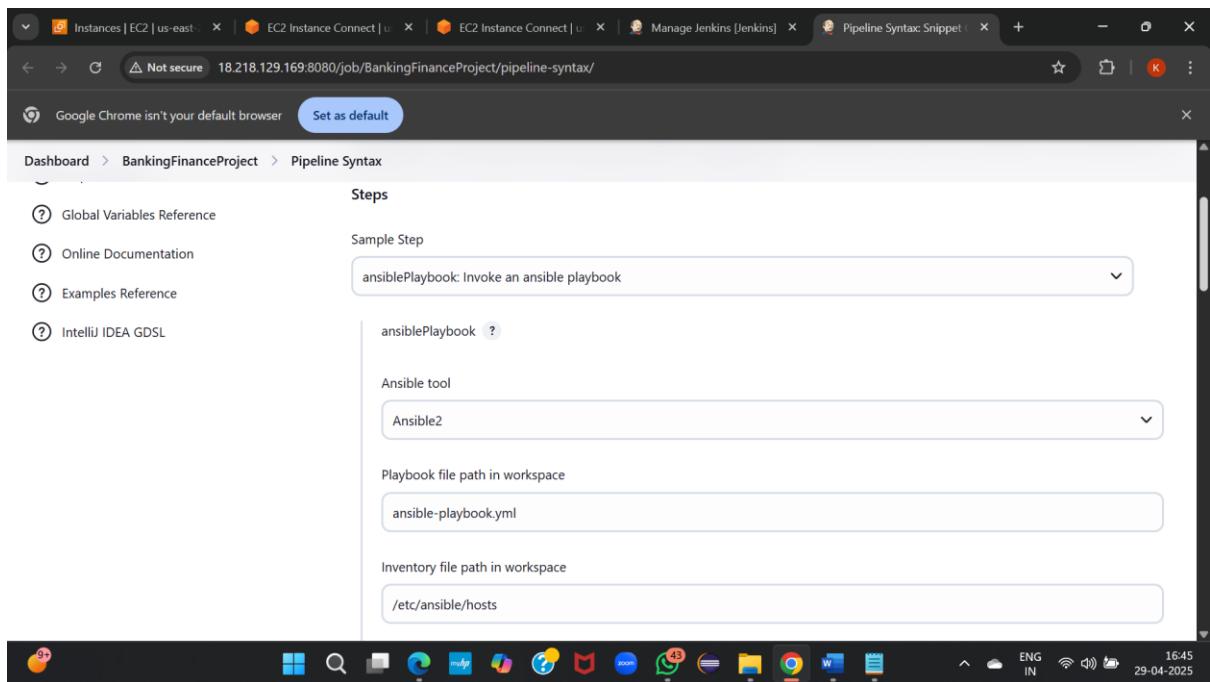
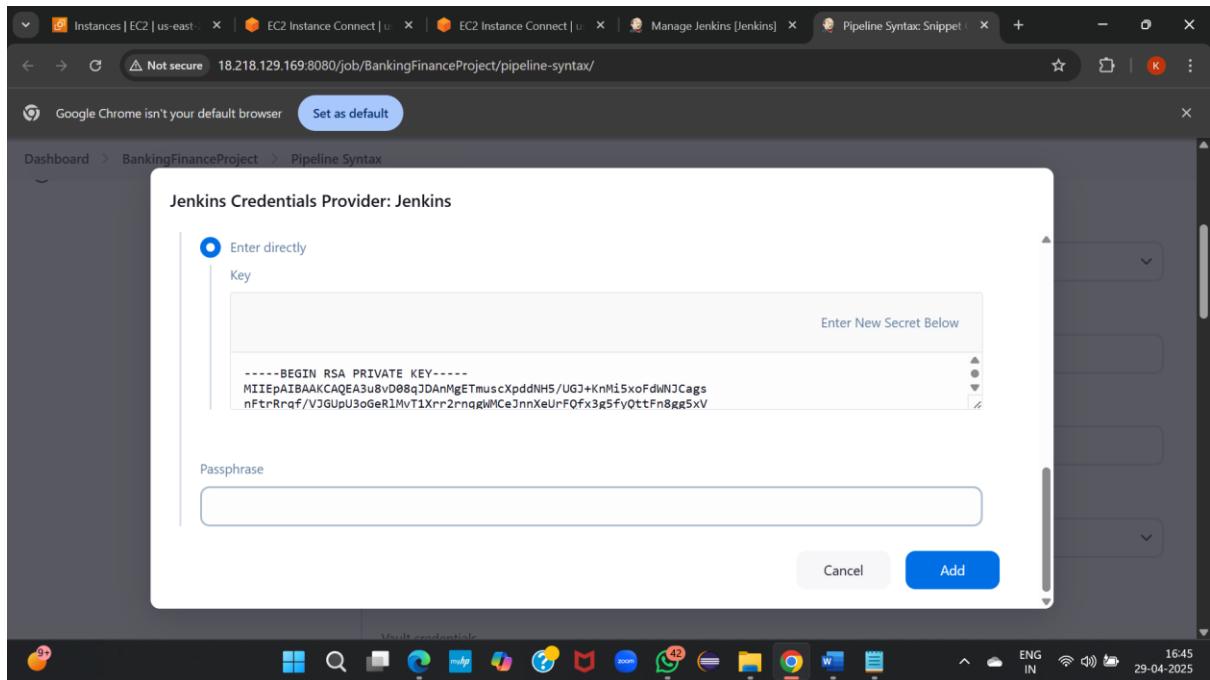
At the bottom, there is an "OK" button. The system tray at the bottom shows various icons and the date/time "29-04-2025 16:38".

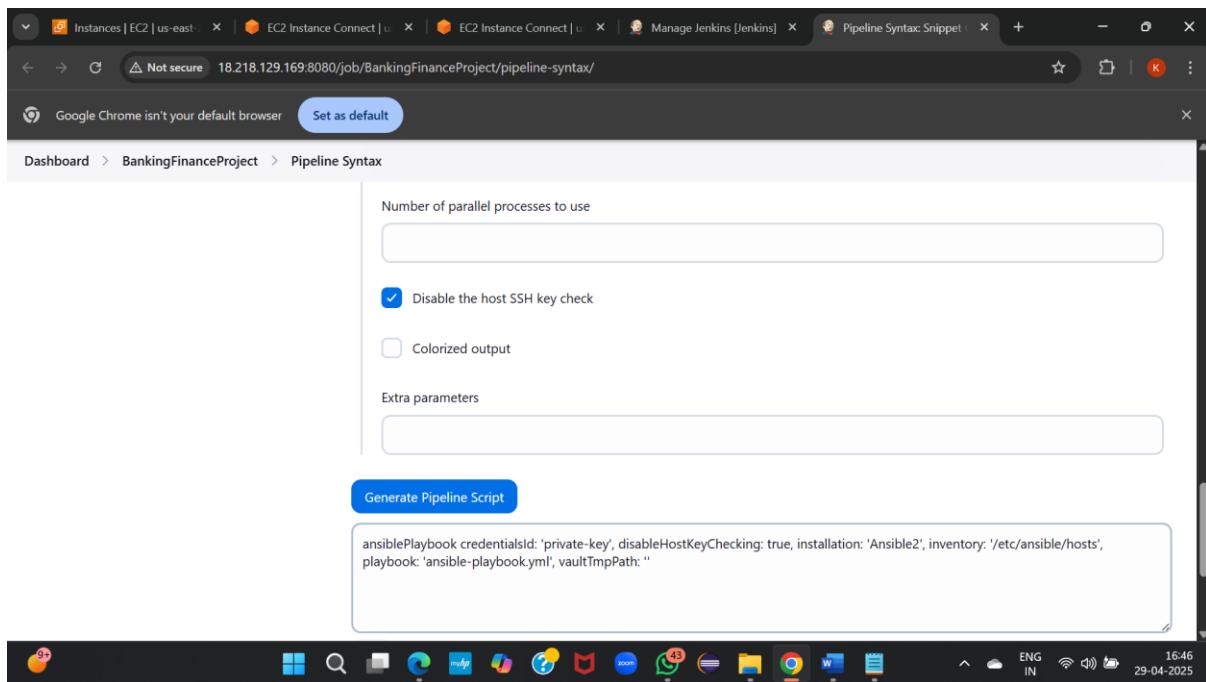
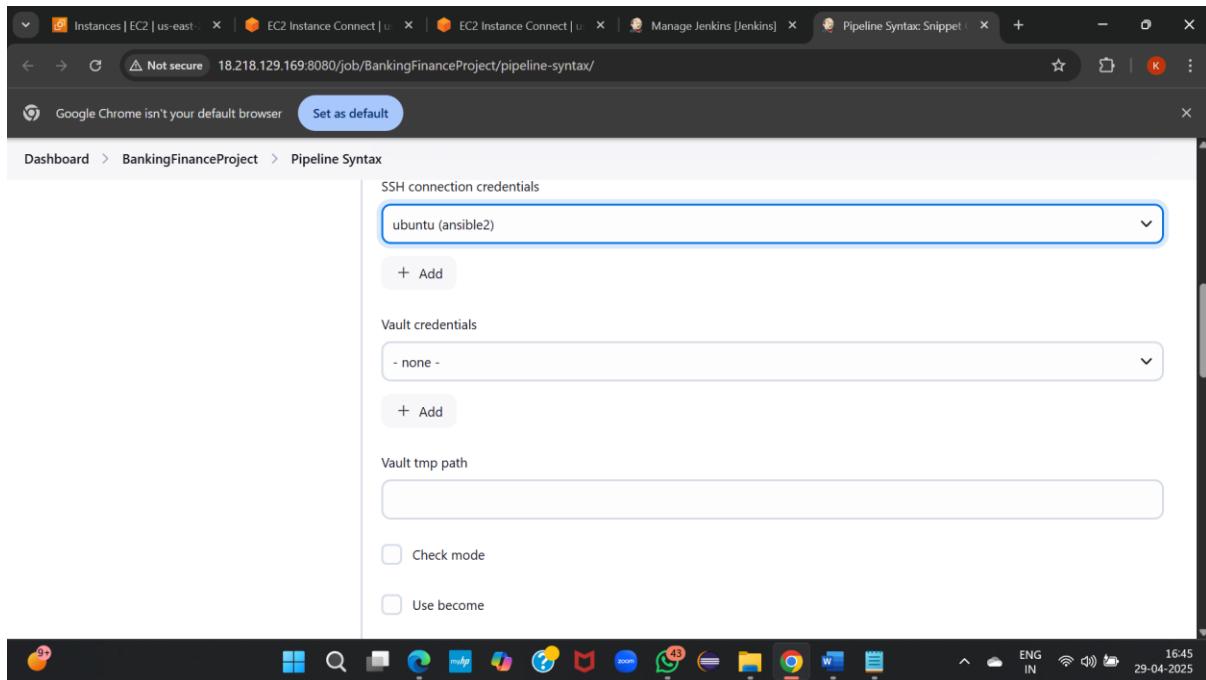
The screenshot shows the Jenkins Pipeline configuration page for a project named "BankingFinanceProject". The "Pipeline" tab is selected. Under the "Definition" section, it says "Pipeline script from SCM". Below that, under "SCM", it is set to "Git". In the "Repositories" section, there is one repository defined with the URL "https://github.com/Azharhashmi111/star-agile-banking-finance.git". At the bottom, there are "Save" and "Apply" buttons.

The screenshot shows the Jenkins Pipeline configuration page for a project named "BankingFinanceProject". The "Pipeline" tab is selected. Under the "Definition" section, it says "Pipeline script from SCM". In the "Repository browser" dropdown, "(Auto)" is selected. In the "Script Path" field, "jenkinsfile" is entered. At the bottom, there are "Save" and "Apply" buttons.









```
Memory usage: 8%          Users logged in:      0
Swap usage:   0%          IPv4 address for ens5: 172.31.18.199

Expanded Security Maintenance for Applications is not enabled.

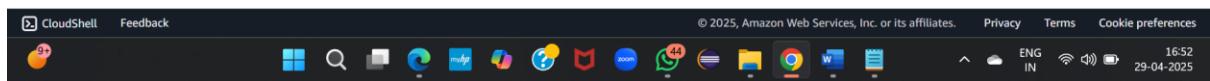
72 updates can be applied immediately.
44 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

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

Last login: Tue Apr 29 10:38:27 2025 from 3.16.146.3
ubuntu@ip-172-31-18-199:~$ sudo su
root@ip-172-31-18-199:/home/ubuntu# sudo usermod -aG docker jenkins
root@ip-172-31-18-199:/home/ubuntu# visudo
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

Public IPs: 18.218.129.169 Private IPs: 172.31.18.199

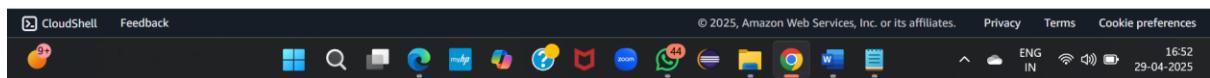


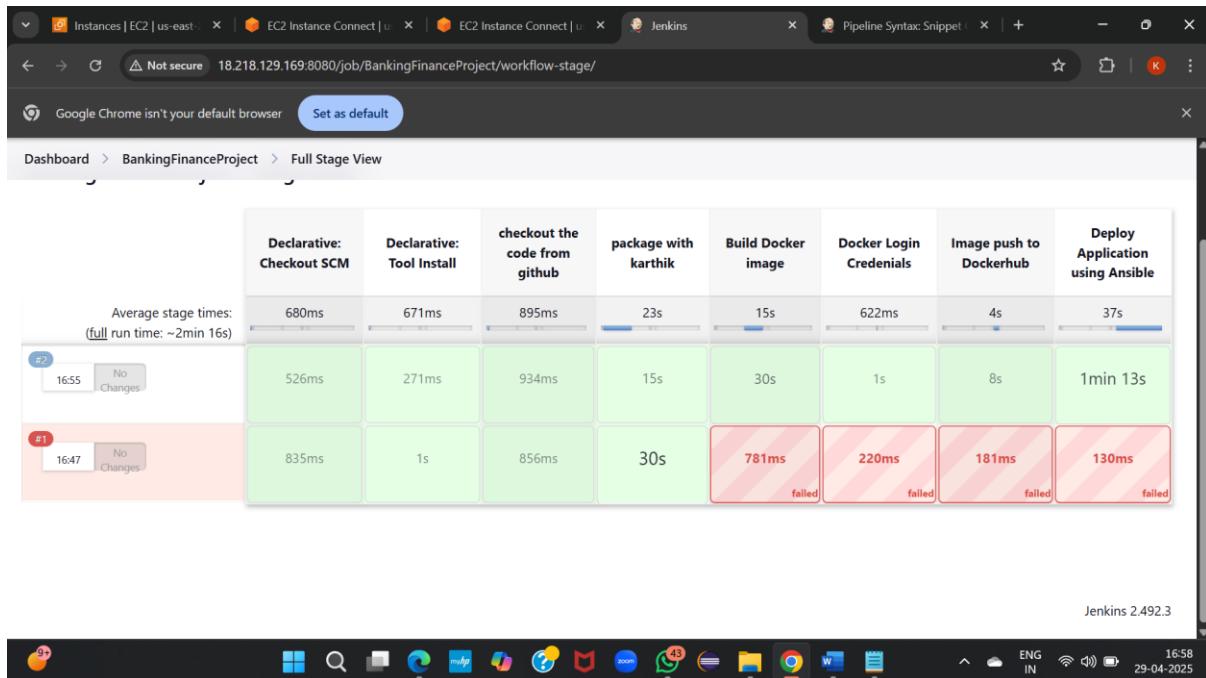
```
GNU nano 7.2          /etc/sudoers.tmp *
```

```
# Host alias specification
# User alias specification
# Cmnd alias specification
# User privilege specification
root    ALL=(ALL:ALL) ALL
devops ALL=(ALL:ALL) NOPASSWD:ALL
# Members of the admin group may gain root privileges
%admin  ALL=(ALL) ALL
jenkins ALL=(ALL:ALL) NOPASSWD:ALL
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

Public IPs: 18.218.129.169 Private IPs: 172.31.18.199





```

To see these additional updates run: apt list --upgradable
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Tue Apr 29 10:38:27 2025 from 3.16.146.3
ubuntu@ip-172-31-18-199:~$ sudo su
root@ip-172-31-18-199:/home/ubuntu# sudo usermod -aG docker jenkins
root@ip-172-31-18-199:/home/ubuntu# visudo
root@ip-172-31-18-199:/home/ubuntu# su - devops
devops@ip-172-31-18-199:~$ docker images
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Head "http://%2Fvar%2Frun%2Fdocker.sock"
k_ping": dial unix /var/run/docker.sock: connect: permission denied
devops@ip-172-31-18-199:~$ sudo docker images
REPOSITORY          TAG      IMAGE ID   CREATED        SIZE
azharhashmi/finance  latest   ee34983ea674  2 minutes ago  696MB
devops@ip-172-31-18-199:~$ 

```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

Public IPs: 18.218.129.169 Private IPs: 172.31.18.199

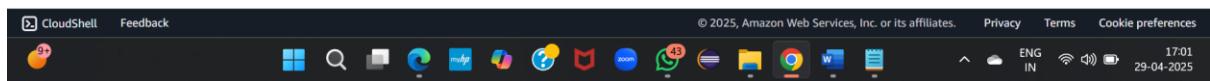
```

-rw-r--r-- 1 root root 26 Mar  5 08:40 60-cloudimg-settings.conf
root@ip-172-31-23-108:/etc/ssh/sshd_config.d# vi 60-cloudimg-settings.conf
root@ip-172-31-23-108:/etc/ssh/sshd_config.d# service ssh restart
root@ip-172-31-23-108:/etc/ssh/sshd_config.d# visudo
root@ip-172-31-23-108:/etc/ssh/sshd_config.d# ls
60-cloudimg-settings.conf
root@ip-172-31-23-108:/etc/ssh/sshd_config.d# su - devops
devops@ip-172-31-23-108:~$ ls
f1
devops@ip-172-31-23-108:~$ sudo docker images
REPOSITORY          TAG      IMAGE ID      CREATED       SIZE
azharhashmi/financeme   latest   ee34983ea674  3 minutes ago  696MB
devops@ip-172-31-23-108:~$ sudo docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED          STATUS           PORTS
 NAMES
3120531b0f92   azharhashmi/financeme:latest "java -jar /app.jar"  2 minutes ago   Up About a minute  0.0.0.0:8090->8081/tcp, :::8090->80
81/tcp   mystifying_northcutt
devops@ip-172-31-23-108:~$ 

```

i-0ddae4495d98ed112 (Prod Server)

PublicIPs: 3.16.187.9 PrivateIPs: 172.31.23.108

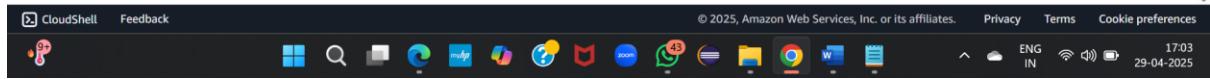


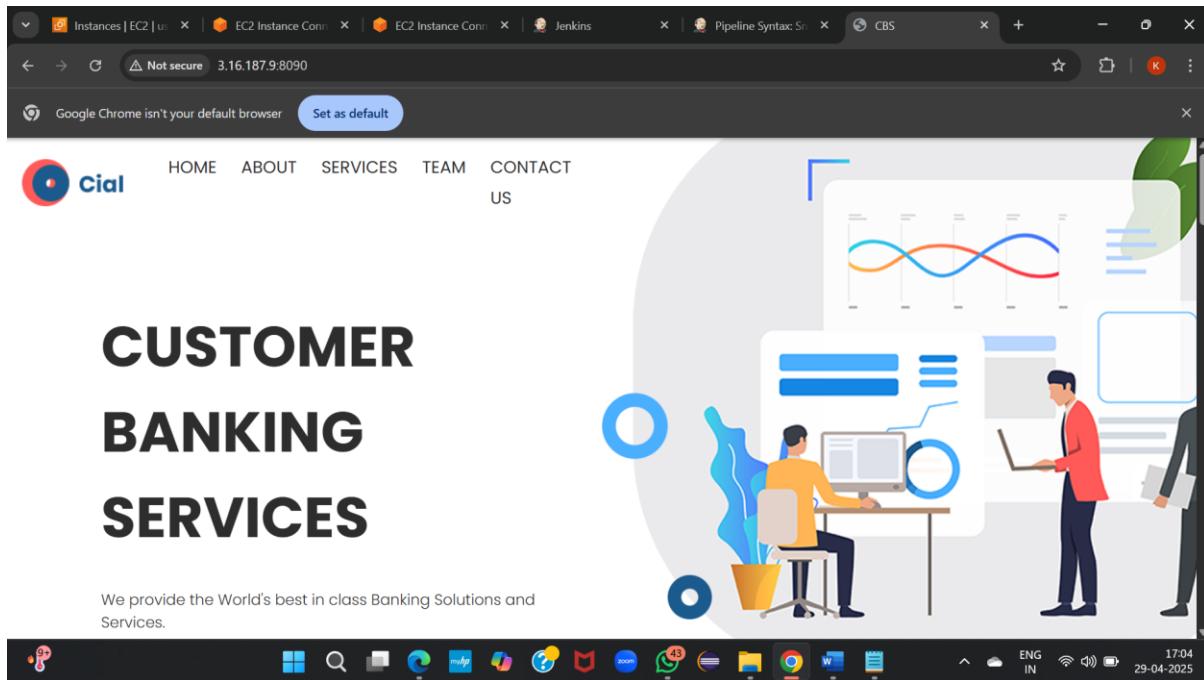
[EC2](#) > [Security Groups](#) > [sg-005a47e81a463f997 - common-security-group](#) > Edit inbound rules

Protocol	Port Range	Action	Source	Configure
SSH	22	Allow	0.0.0.0/0	Delete
Custom TCP	8090	Allow	0.0.0.0/0	Delete

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

[Cancel](#) [Preview changes](#) [Save rules](#)



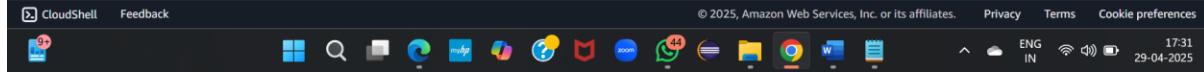


```
root@ip-172-31-24-251:/home/ubuntu# wget https://dl.grafana.com/enterprise/release/grafana-enterprise-8.4.4.linux-amd64.tar.gz
--2025-04-29 12:01:28-- https://dl.grafana.com/enterprise/release/grafana-enterprise-8.4.4.linux-amd64.tar.gz
Resolving dl.grafana.com (dl.grafana.com) ... 146.75.78.217, 2a04:4e42:83::729
Connecting to dl.grafana.com (dl.grafana.com)|146.75.78.217|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 84007981 (80M) [application/x-tar]
Saving to: 'grafana-enterprise-8.4.4.linux-amd64.tar.gz'

grafana-enterprise-8.4.4.linux-amd 100%[=====] 80.12M 142MB/s in 0.6s

2025-04-29 12:01:29 (142 MB/s) - 'grafana-enterprise-8.4.4.linux-amd64.tar.gz' saved [84007981/84007981]

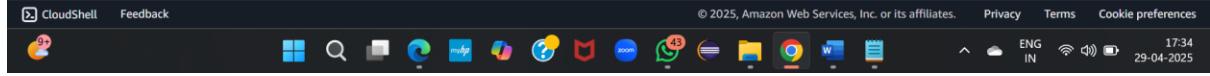
root@ip-172-31-24-251:/home/ubuntu# ls
grafana-enterprise-8.4.4.linux-amd64.tar.gz
root@ip-172-31-24-251:/home/ubuntu# tar -zxfv grafana-enterprise-8.4.4.linux-amd64.tar.gz
grafana-8.4.4/LICENSE
grafana-8.4.4/README.md
grafana-8.4.4/NOTICE.md
```



```
grafana-8.4.4/scripts/circle-test-frontend.sh
grafana-8.4.4/scripts/circle-test-mysql.sh
grafana-8.4.4/scripts/circle-test-postgres.sh
grafana-8.4.4/scripts/clean-git-or-error.sh
grafana-8.4.4/scripts/generate-ally-report.sh
grafana-8.4.4/scripts/import_many_dashboards.sh
grafana-8.4.4/scripts/mixin-check.sh
grafana-8.4.4/scripts/protoBuf-check.sh
grafana-8.4.4/scripts/stripnulls.sh
grafana-8.4.4/scripts/tag_release.sh
grafana-8.4.4/scripts/trigger_docker_build.sh
grafana-8.4.4/scripts/trigger_grafana_packer.sh
grafana-8.4.4/scripts/trigger_windows_build.sh
grafana-8.4.4/scripts/validate-devenv-dashboards.sh
root@ip-172-31-24-251:/home/ubuntu# ls
grafana-8.4.4  grafana-enterprise-8.4.4.linux-amd64.tar.gz
root@ip-172-31-24-251:/home/ubuntu# cd grafana-8.4.4
root@ip-172-31-24-251:/home/ubuntu/grafana-8.4.4# ./bin/grafana-server
```

i-004a2e0713ca62437 (Grafana Server)

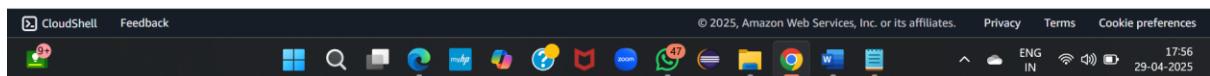
Public IPs: 3.139.66.171 Private IPs: 172.31.24.251



```
[INFO][04-29|12:04:48] Executing migration
[INFO][04-29|12:04:48] Executing migration
[INFO][04-29|12:04:48] migrations completed
[INFO][04-29|12:04:48] Created default admin
[INFO][04-29|12:04:48] Created default organization
[INFO][04-29|12:04:48] Validated license token
[WARN][04-29|12:04:48] Skipping finding plugins as directory does not exist
[INFO][04-29|12:04:48] Plugin registered
[INFO][04-29|12:04:48] Query Service initialization
[INFO][04-29|12:04:48] Live Push Gateway initialization
[WARN][04-29|12:04:48] Scheduling and sending of reports disabled, SMTP is not configured and enabled. Configure SMTP to enable.
[INFO][04-29|12:04:48] HTTP Server Listen
[INFO][04-29|12:06:45] Request Completed
=0 size=29 referer=
[INFO][04-29|12:24:58] Successful Login
[INFO][04-29|12:25:11] Request Completed
5 time_ms=0 size=0 referer=
```

i-004a2e0713ca62437 (Grafana Server)

Public IPs: 3.139.66.171 Private IPs: 172.31.24.251

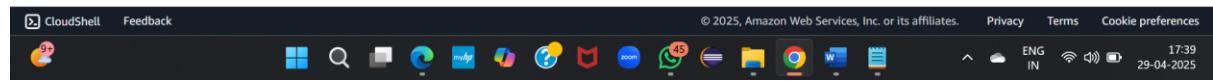


```
root@ip-172-31-18-199:/home/ubuntu# wget https://github.com/prometheus/prometheus/releases/download/v2.34.0/prometheus-2.34.0.linux-amd64.tar.gz
--2025-04-29 12:07:41-- https://github.com/prometheus/prometheus/releases/download/v2.34.0/prometheus-2.34.0.linux-amd64.tar.gz
Resolving github.com (github.com)... 140.82.113.4
Connecting to github.com (github.com)|140.82.113.4|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/6838921/408c8e8d-cf9a-4902-a7b4-679a51d5db85?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250429%2Fus-east-1%2F$3%2Faws4_request&X-Amz-Date=20250429T120741Z&X-Amz-Expires=300&X-Amz-Signature=fc68040fd674b834835b4325cd578da95d45c4e4547c31e2798b16729d78131d6X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dprometheus-2.34.0.linux-amd64.tar.gz&response-content-type=application%2Foctet-stream [following]
--2025-04-29 12:07:41-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/6838921/408c8e8d-cf9a-4902-a7b4-679a51d5db85?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250429%2Fus-east-1%2F$3%2Faws4_request&X-Amz-Date=20250429T120741Z&X-Amz-Expires=300&X-Amz-Signature=fc68040fd674b834835b4325cd578da95d45c4e4547c31e2798b16729d78131d6X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dprometheus-2.34.0.linux-amd64.tar.gz&response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.110.133, 185.199.109.133, 185.199.111.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)|185.199.110.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 76299772 (73M) [application/octet-stream]

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

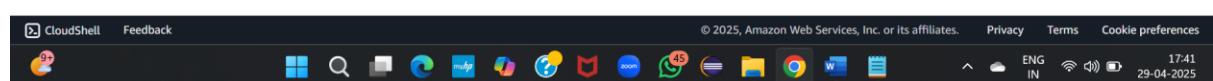
Public IPs: 18.218.129.169 Private IPs: 172.31.18.199

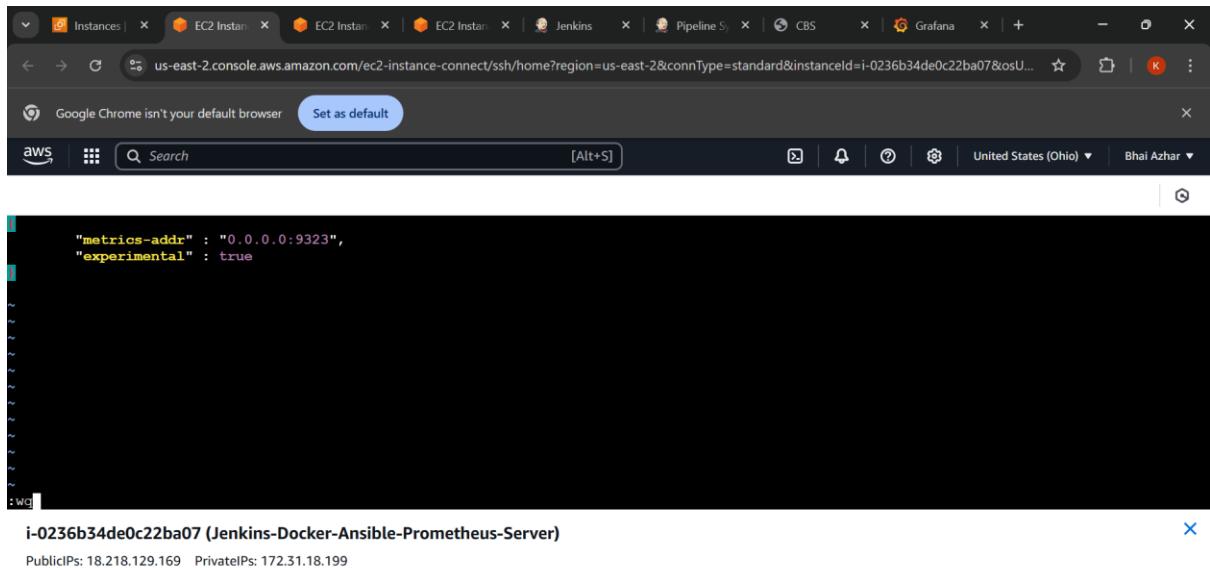


```
prometheus-2.34.0.linux-amd64/consoles/node-overview.html
prometheus-2.34.0.linux-amd64/consoles/node.html
prometheus-2.34.0.linux-amd64/consoles/prometheus-overview.html
prometheus-2.34.0.linux-amd64/consoles/prometheus.html
prometheus-2.34.0.linux-amd64/console_libraries/
prometheus-2.34.0.linux-amd64/console_libraries/menu.lib
prometheus-2.34.0.linux-amd64/console_libraries/prom.lib
prometheus-2.34.0.linux-amd64/prometheus.yml
prometheus-2.34.0.linux-amd64/LICENSE
prometheus-2.34.0.linux-amd64/NOTICE
prometheus-2.34.0.linux-amd64/prometheus
prometheus-2.34.0.linux-amd64/promtool
root@ip-172-31-18-199:/home/ubuntu# ls
60-cloudimg-settings.conf jenkins.sh prometheus-2.34.0.linux-amd64 prometheus-2.34.0.linux-amd64.tar.gz
root@ip-172-31-18-199:/home/ubuntu# cd prometheus-2.34.0.linux-amd64
root@ip-172-31-18-199:/home/ubuntu/prometheus-2.34.0.linux-amd64# ls
LICENSE NOTICE console_libraries consoles prometheus prometheus.yml promtool
root@ip-172-31-18-199:/home/ubuntu/prometheus-2.34.0.linux-amd64# vi /etc/docker/daemon.json
```

i-0236b34de0c22ba07 (jenkins-Docker-Ansible-Prometheus-Server)

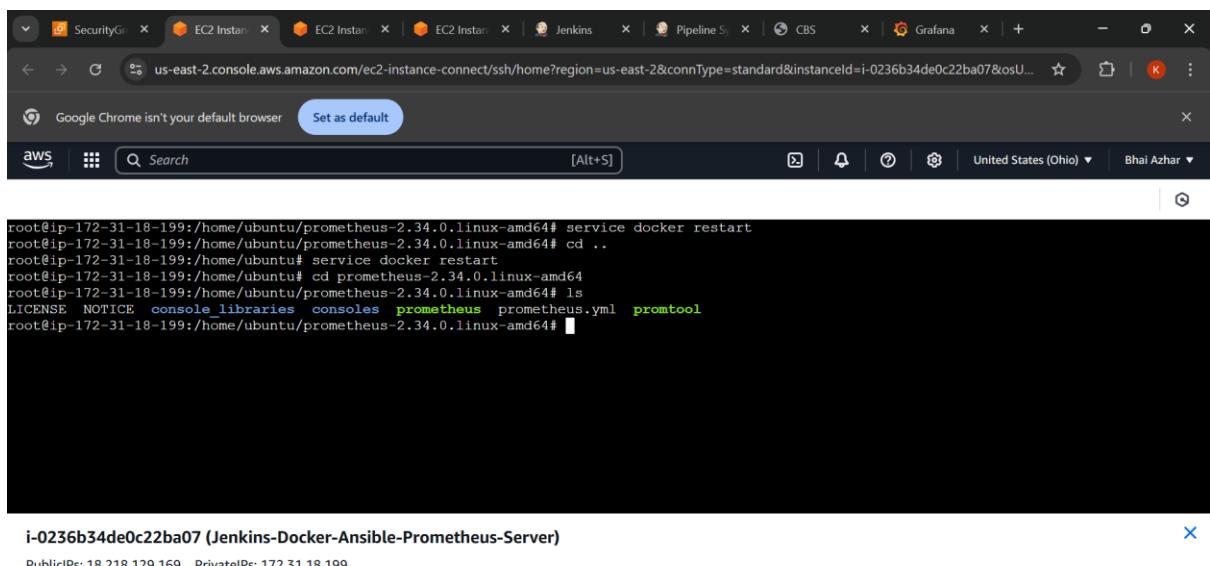
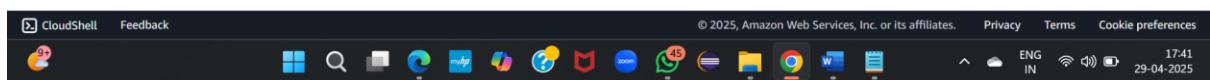
Public IPs: 18.218.129.169 Private IPs: 172.31.18.199





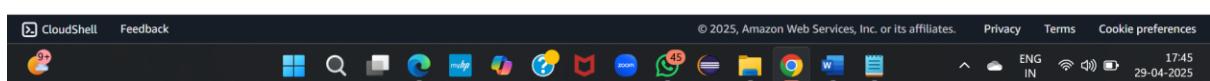
```
"metrics-addr" : "0.0.0.0:9323",
"experimental" : true
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)
Public IPs: 18.218.129.169 Private IPs: 172.31.18.199



```
root@ip-172-31-18-199:/home/ubuntu/prometheus-2.34.0.linux-amd64# service docker restart
root@ip-172-31-18-199:/home/ubuntu/prometheus-2.34.0.linux-amd64# cd ..
root@ip-172-31-18-199:/home/ubuntu# service docker restart
root@ip-172-31-18-199:/home/ubuntu# cd prometheus-2.34.0.linux-amd64
root@ip-172-31-18-199:/home/ubuntu/prometheus-2.34.0.linux-amd64# ls
LICENSE NOTICE console_libraries consoles prometheus prometheus.yml promtool
root@ip-172-31-18-199:/home/ubuntu/prometheus-2.34.0.linux-amd64#
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)
Public IPs: 18.218.129.169 Private IPs: 172.31.18.199

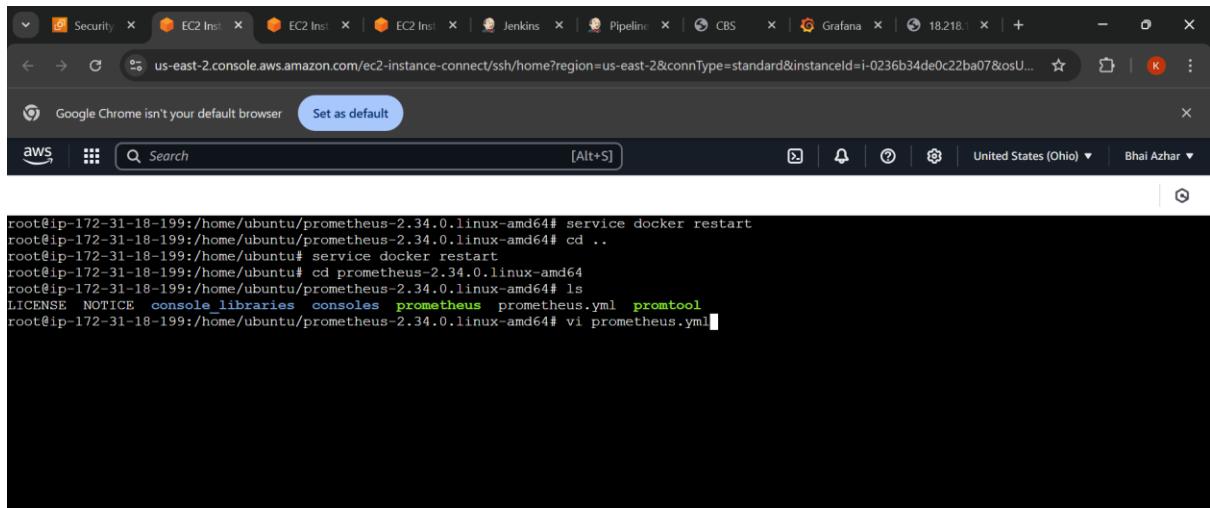


The screenshot shows the AWS EC2 Inbound Rules page for a specific security group. The top navigation bar includes tabs for ModifyInboundSecurityGroupRules, Jenkins, Pipeline S, CBS, and Grafana. The main content area displays three inbound rules:

Security group rule ID	Type	Protocol	Port range	Source	Description - optional	Action
sgr-056fafb1fc1a9af10	Custom TCP	TCP	8090	Cu... ▾	0.0.0.0/0	Delete
sgr-0b89259d5dc069d47	SSH	TCP	22	Cu... ▾	0.0.0.0/0	Delete
-	Custom TCP	TCP	9323	An... ▾	0.0.0.0/0	Delete

At the bottom left is a blue "Add rule" button. The bottom navigation bar includes CloudShell, Feedback, and links for Privacy, Terms, and Cookie preferences.

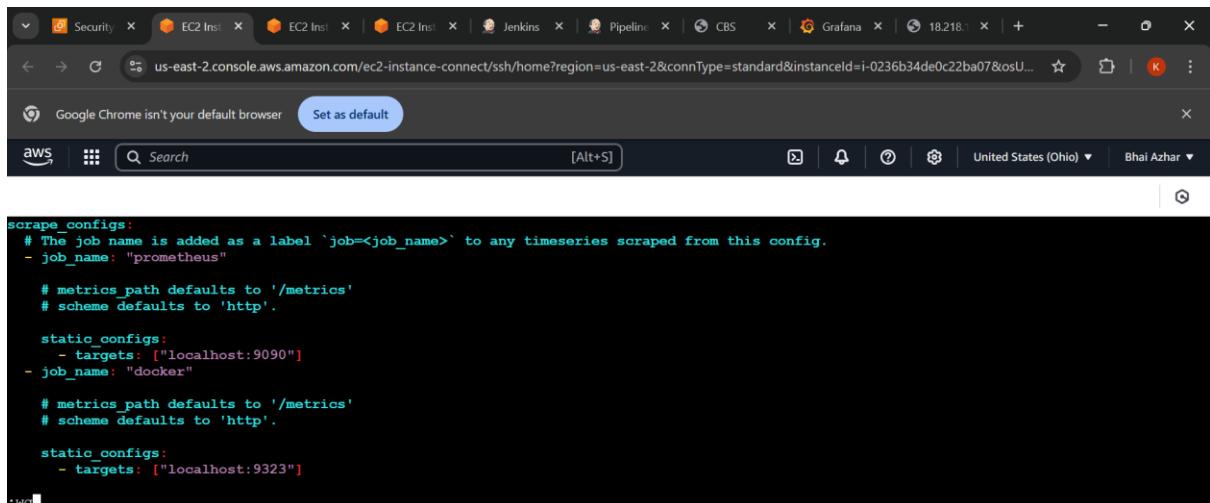
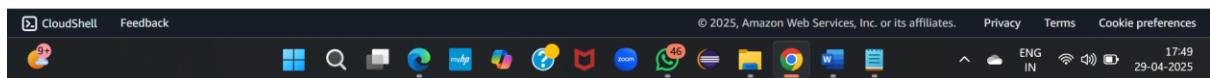
```
# HELP builder_builds_failed_total Number of failed image builds
# TYPE builder_builds_failed_total counter
builder_builds_failed_total{reason="build_canceled"} 0
builder_builds_failed_total{reason="build_target_not_reachable_error"} 0
builder_builds_failed_total{reason="command_not_supported_error"} 0
builder_builds_failed_total{reason="dockerfile_empty_error"} 0
builder_builds_failed_total{reason="dockerfile_syntax_error"} 0
builder_builds_failed_total{reason="error_processing_commands_error"} 0
builder_builds_failed_total{reason="missing_onbuild_arguments_error"} 0
builder_builds_failed_total{reason="unknown_instruction_error"} 0
# HELP builder_builds_triggered_total Number of triggered image builds
# TYPE builder_builds_triggered_total counter
builder_builds_triggered_total 0
# HELP engine_daemon_container_actions_seconds The number of seconds it takes to process each container action
# TYPE engine_daemon_container_actions_seconds histogram
engine_daemon_container_actions_seconds_bucket{action="changes",le="0.005"} 1
engine_daemon_container_actions_seconds_bucket{action="changes",le="0.01"} 1
engine_daemon_container_actions_seconds_bucket{action="changes",le="0.025"} 1
engine_daemon_container_actions_seconds_bucket{action="changes",le="0.05"} 1
engine_daemon_container_actions_seconds_bucket{action="changes",le="0.1"} 1
engine_daemon_container_actions_seconds_bucket{action="changes",le="0.25"} 1
engine_daemon_container_actions_seconds_bucket{action="changes",le="0.5"} 1
engine_daemon_container_actions_seconds_bucket{action="changes",le="1"} 1
engine_daemon_container_actions_seconds_bucket{action="changes",le="2.5"} 1
engine_daemon_container_actions_seconds_bucket{action="changes",le="5"} 1
engine_daemon_container_actions_seconds_bucket{action="changes",le="10"} 1
engine_daemon_container_actions_seconds_bucket{action="changes",le="+Inf"} 1
engine.daemon.container.actions.seconds.sum{action="changes"} 0
engine.daemon.container.actions.seconds.count{action="changes"} 1
engine.daemon.container.actions.seconds.bucket{action="commit",le="0.005"} 1
engine.daemon.container.actions.seconds.bucket{action="commit",le="0.01"} 1
engine.daemon.container.actions.seconds.bucket{action="commit",le="0.025"} 1
engine.daemon.container.actions.seconds.bucket{action="commit",le="0.05"} 1
engine.daemon.container.actions.seconds.bucket{action="commit",le="0.1"} 1
```



```
root@ip-172-31-18-199:/home/ubuntu/prometheus-2.34.0.linux-amd64# service docker restart
root@ip-172-31-18-199:/home/ubuntu/prometheus-2.34.0.linux-amd64# cd ..
root@ip-172-31-18-199:/home/ubuntu# service docker restart
root@ip-172-31-18-199:/home/ubuntu# cd prometheus-2.34.0.linux-amd64
root@ip-172-31-18-199:/home/ubuntu/prometheus-2.34.0.linux-amd64# ls
LICENSE NOTICE console_libraries consoles prometheus prometheus.yml promtool
root@ip-172-31-18-199:/home/ubuntu/prometheus-2.34.0.linux-amd64# vi prometheus.yml
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

Public IPs: 18.218.129.169 Private IPs: 172.31.18.199



```
scrape_configs:
  # The job name is added as a label `job=<job_name>` to any timeseries scraped from this config.
  - job_name: "prometheus"

    # metrics_path defaults to '/metrics'
    # scheme defaults to 'http'.

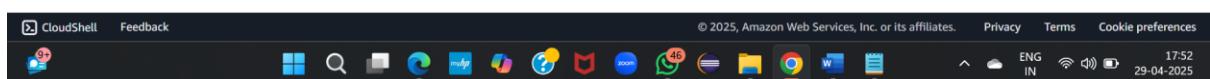
    static_configs:
      - targets: ["localhost:9090"]
    - job_name: "docker"

      # metrics_path defaults to '/metrics'
      # scheme defaults to 'http'.

      static_configs:
        - targets: ["localhost:9323"]
```

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

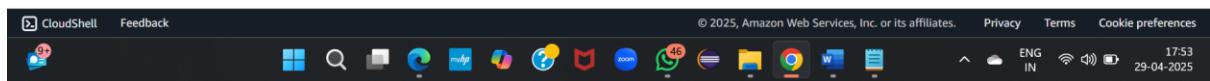
Public IPs: 18.218.129.169 Private IPs: 172.31.18.199



root@ip-172-31-18-199:/home/ubuntu/prometheus-2.34.0.linux-amd64# service docker restart
root@ip-172-31-18-199:/home/ubuntu/prometheus-2.34.0.linux-amd64# cd ..
root@ip-172-31-18-199:/home/ubuntu# service docker restart
root@ip-172-31-18-199:/home/ubuntu# cd prometheus-2.34.0.linux-amd64# ls
LICENSE NOTICE console_libraries consoles prometheus prometheus.yml promtool
root@ip-172-31-18-199:/home/ubuntu/prometheus-2.34.0.linux-amd64# vi prometheus.yml
root@ip-172-31-18-199:/home/ubuntu/prometheus-2.34.0.linux-amd64# ./prometheus
ts=2025-04-29T12:23:01.372Z caller=main.go:479 level=info msg="No time or size retention was set so using the default time retention" duration=15d
ts=2025-04-29T12:23:01.373Z caller=main.go:516 level=info msg="Starting Prometheus" version="(version=2.34.0, branch=HEAD, revision=881111fe c4332c33094a6fb2680c71fffc427275)"
ts=2025-04-29T12:23:01.373Z caller=main.go:521 level=info build_context="(go=gol17.8, user=root@121ad7ea5487, date=20220315-15:18:00)"
ts=2025-04-29T12:23:01.373Z caller=main.go:522 level=info host_details="(Linux 6.8.0-1024-aws #26-Ubuntu SMP Tue Feb 18 17:22:37 UTC 2025 x86_64 ip-172-31-18-199 (none))"
ts=2025-04-29T12:23:01.373Z caller=main.go:523 level=info fd_limits="(soft=1024, hard=1048576)"
ts=2025-04-29T12:23:01.373Z caller=main.go:524 level=info vm_limits="(soft=unlimited, hard=unlimited)"
ts=2025-04-29T12:23:01.375Z caller=web.go:540 level=info component=web msg="Start listening for connections" address=0.0.0.0:9090

i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

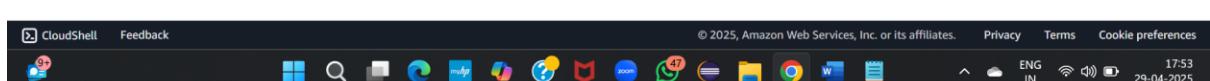
Public IPs: 18.218.129.169 Private IPs: 172.31.18.199



ts=2025-04-29T12:23:01.375Z caller=web.go:540 level=info component=web msg="Start listening for connections" address=0.0.0.0:9090
ts=2025-04-29T12:23:01.378Z caller=main.go:937 level=info msg="Starting TSDB ..."
ts=2025-04-29T12:23:01.380Z caller=tls_config.go:195 level=info component=web msg="TLS is disabled." http2=false
ts=2025-04-29T12:23:01.386Z caller=head.go:493 level=info component=tsdb msg="Replaying on-disk memory mappable chunks if any"
ts=2025-04-29T12:23:01.386Z caller=head.go:536 level=info component=tsdb msg="On-disk memory mappable chunks replay completed" duration=2.927μs
ts=2025-04-29T12:23:01.386Z caller=head.go:542 level=info component=tsdb msg="Replaying WAL, this may take a while"
ts=2025-04-29T12:23:01.387Z caller=head.go:613 level=info component=tsdb msg="WAL segment loaded" segment=0 maxSegment=0
ts=2025-04-29T12:23:01.387Z caller=head.go:619 level=info component=tsdb msg="WAL replay completed" checkpoint_replay_duration=38.765μs wal_replay_duration=565.942μs total_replay_duration=642.045μs
ts=2025-04-29T12:23:01.389Z caller=main.go:958 level=info fs_type=EXT4_SUPER_MAGIC
ts=2025-04-29T12:23:01.389Z caller=main.go:961 level=info msg="TSDB started"
ts=2025-04-29T12:23:01.389Z caller=main.go:1142 level=info msg="Loading configuration file" filename=prometheus.yml
ts=2025-04-29T12:23:01.399Z caller=main.go:1179 level=info msg="Completed loading of configuration file" filename=prometheus.yml totalDuration=9.888467ms db_storage=1.511μs remote_storage=2.331μs web_handler=991ns query_engine=1.748μs scrape=7.905165ms scrape_sd=82.751μs notify=3.407μs notify_sd=20.771μs rules=2.476μs tracing=7.403μs
ts=2025-04-29T12:23:01.399Z caller=main.go:910 level=info msg="Server is ready to receive web requests."

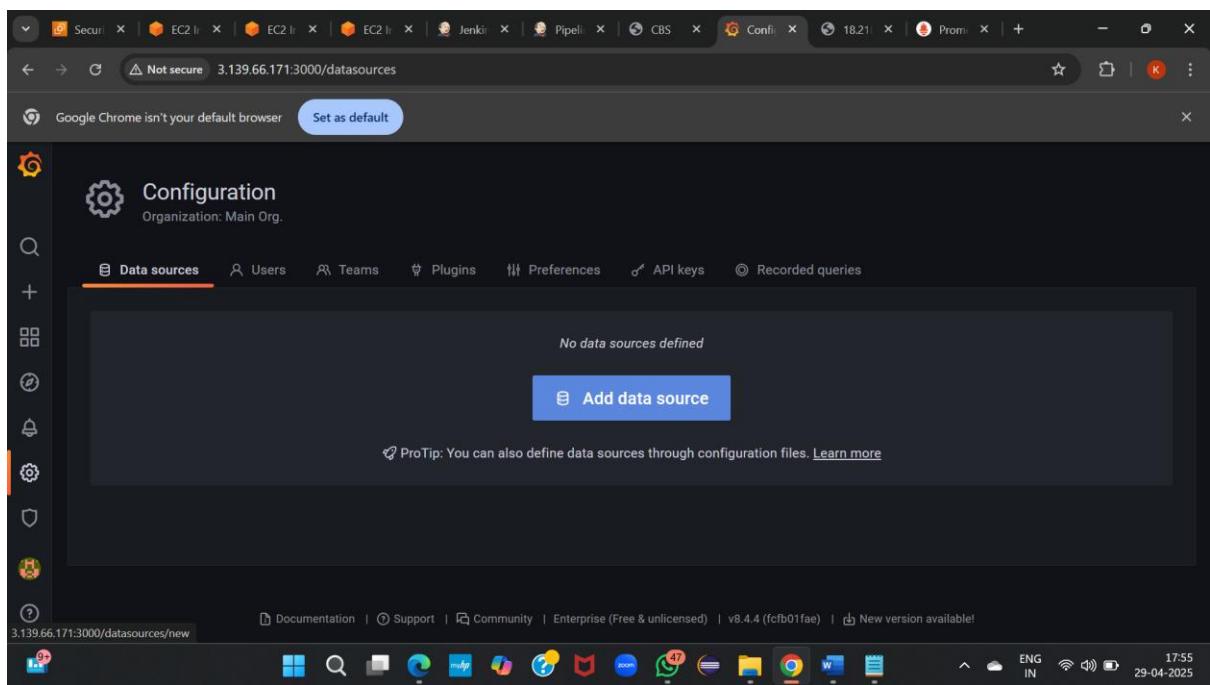
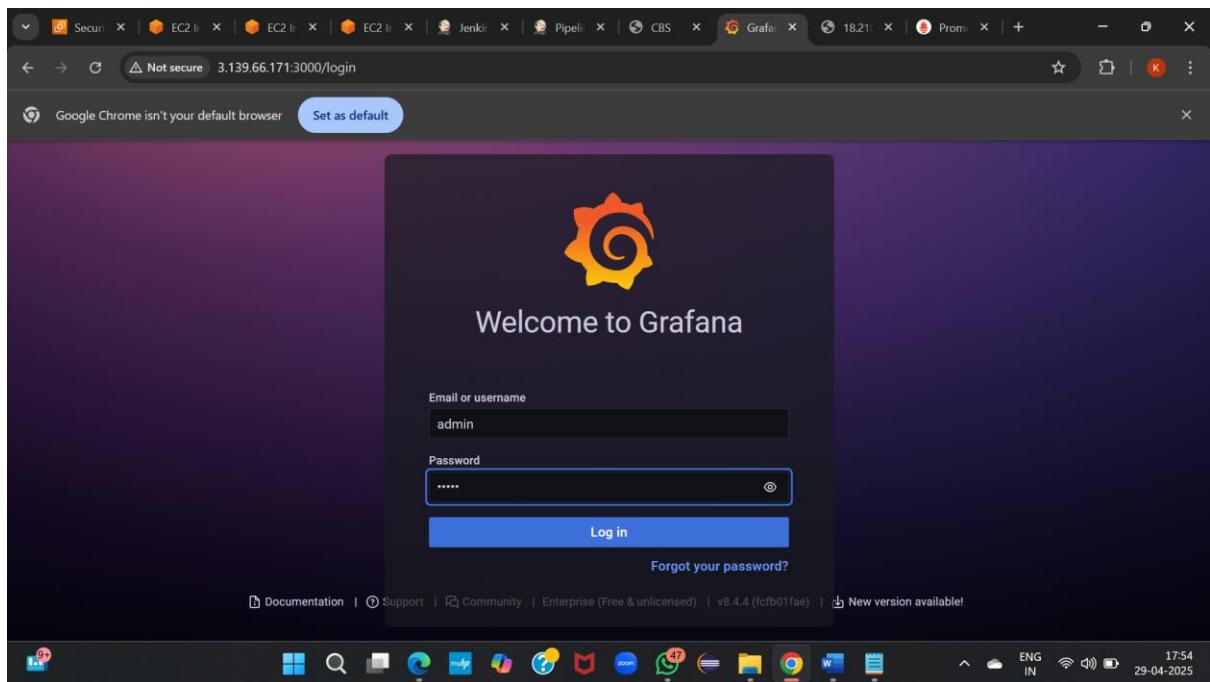
i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

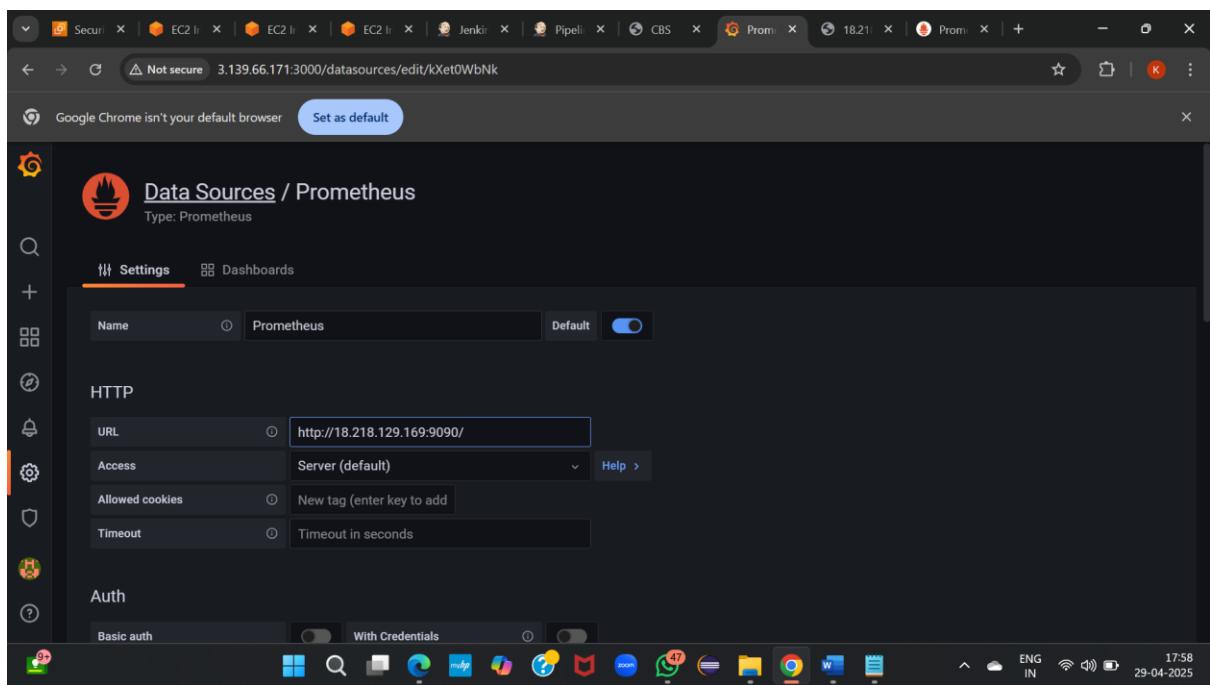
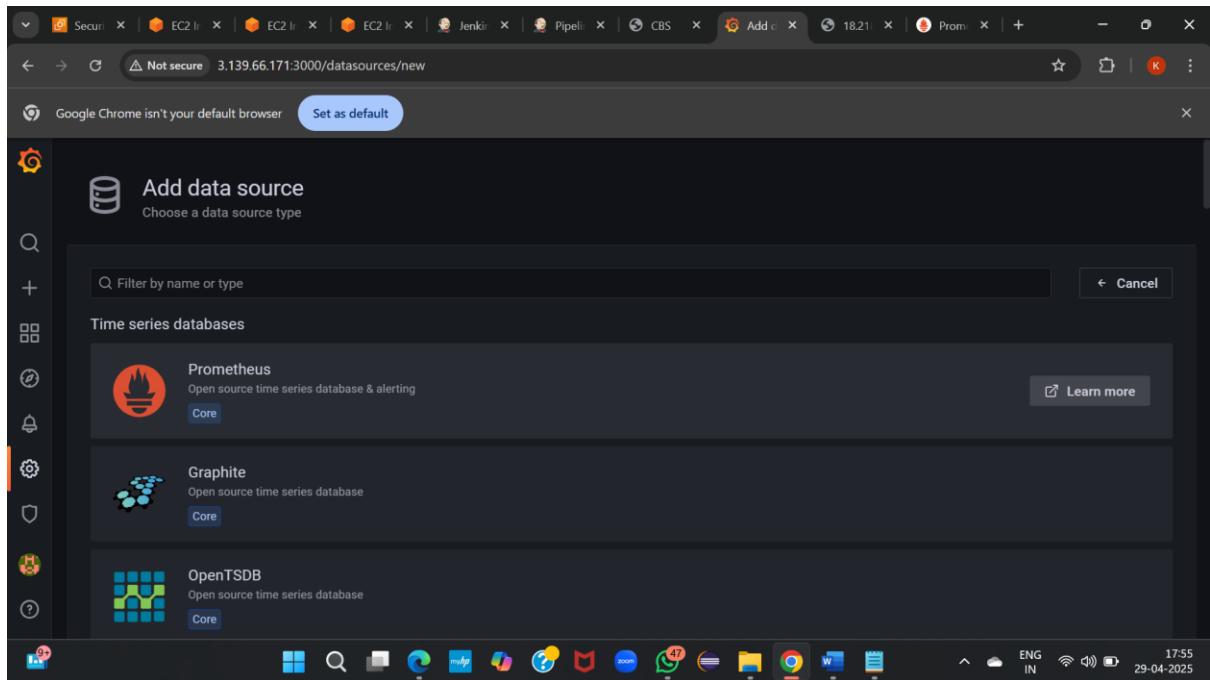
Public IPs: 18.218.129.169 Private IPs: 172.31.18.199



The screenshot shows the Prometheus Graph interface. The URL in the address bar is `18.218.129.169:9090/graph?g0.expr=&g0.tab=1&g0.stacked=0&g0.show_exemplars=0&g0.range_input=1h`. The interface includes a toolbar with 'Prometheus', 'Alerts', 'Graph', 'Status', and 'Help' buttons. Below the toolbar are several checkboxes: 'Use local time', 'Enable query history', 'Enable autocomplete' (checked), 'Enable highlighting' (checked), and 'Enable linter' (checked). A search bar contains the placeholder 'Expression (press Shift+Enter for newlines)'. To the right of the search bar is an 'Execute' button. The main area has tabs for 'Table' and 'Graph', with 'Graph' selected. A sub-header 'Evaluation time' with arrows for navigation is present. The main content area displays the message 'No data queried yet'. At the bottom right is a 'Remove Panel' link. A large blue 'Add Panel' button is located at the bottom left. The taskbar at the bottom shows various application icons, and the system tray indicates 'ENG IN', '17:54', and the date '29-04-2025'.

The screenshot shows the Prometheus Targets interface. The URL in the address bar is `18.218.129.169:9090/targets`. The interface includes a toolbar with 'Prometheus', 'Alerts', 'Graph', 'Status', and 'Help' buttons. Below the toolbar are buttons for 'All', 'Unhealthy', and 'Collapse All'. A search bar is labeled 'Filter by endpoint or labels'. The main content area is titled 'Targets' and shows two sections: 'docker (1/1 up)' and 'prometheus (1/1 up)'. Each section has a 'show less' link. The 'docker' section table has columns: Endpoint, State, Labels, Last Scrape, Scrape Duration, and Error. It lists one entry: `http://localhost:9323/metrics` with state 'UP', labels 'instance="localhost:9323"', 'job="docker"', last scrape '4.590s ago', and duration '7.754ms'. The 'prometheus' section table has the same columns and lists one entry: `http://localhost:9090/metrics` with state 'UP', labels 'instance="localhost:9090"', 'job="prometheus"', last scrape '10.703s ago', and duration '9.271ms'. The taskbar at the bottom shows various application icons, and the system tray indicates 'ENG IN', '17:54', and the date '29-04-2025'.





Google Chrome isn't your default browser Set as default

Misc

Disable metrics lookup

Custom query parameters Example: max_source_resolution=5m&timeout=10

Exemplars

+ Add

✓ Data source is working

Back Explore Delete Save & test

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=us-east-2&connType=standard&instanceId=i-0236b34de0c22ba07&osU...

aws Search [Alt+S]

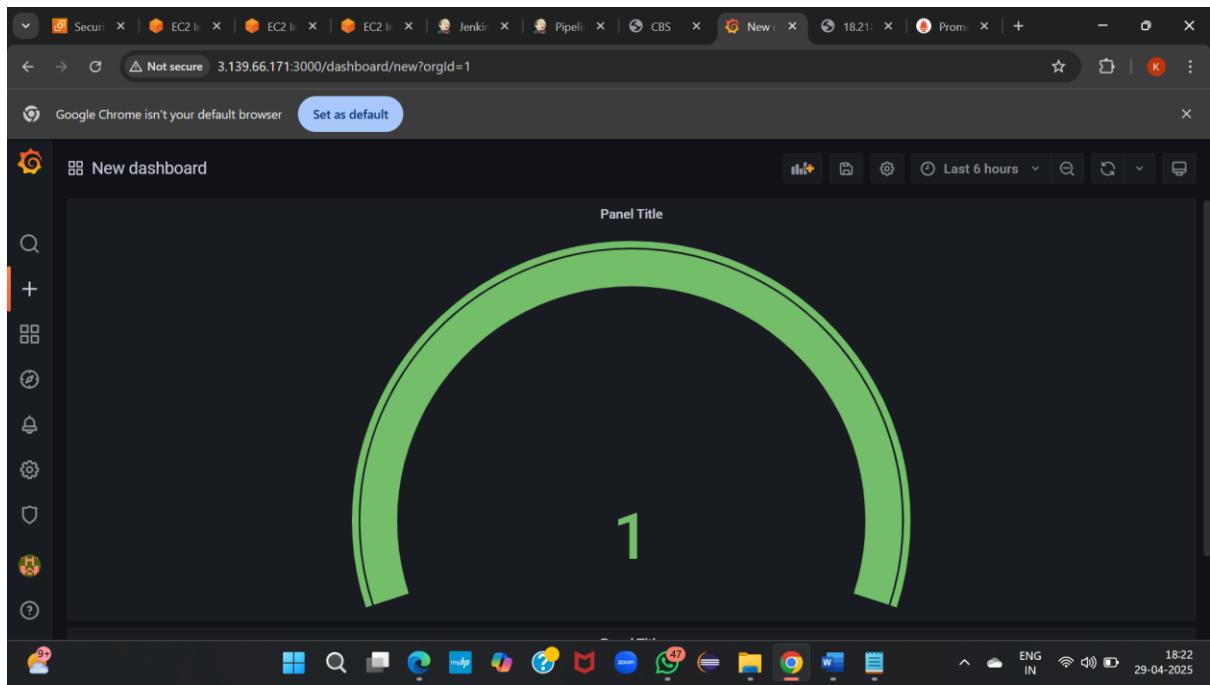
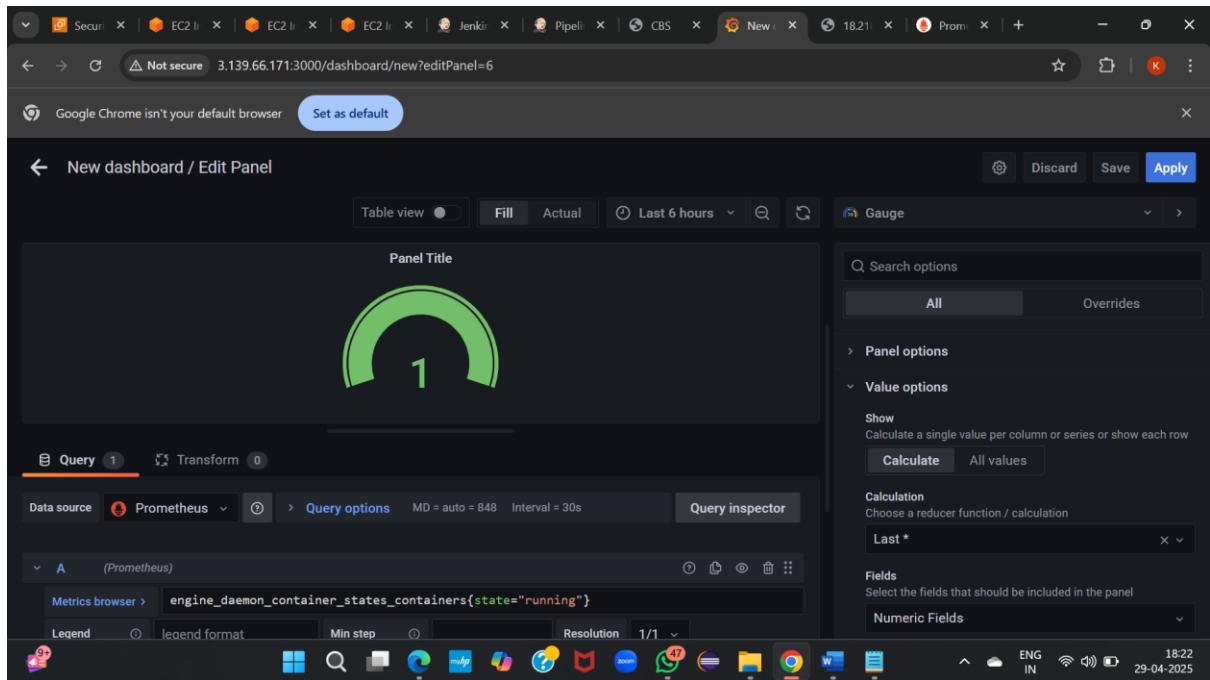
latest: Pulling from azharhashmi/financeme
Digest: sha256:24056e83a7e37b5bf62af280ea61bbac1fabf21d1ded82eae5e9214e68e4b4d
Status: Image is up to date for azharhashmi/financeme:latest
docker.io/azharhashmi/financeme:latest
root@ip-172-31-18-199:/home/ubuntu# docker run -d \
--name financeme-app \
-p 8090:8081 \
azharhashmi/financeme:latest
ef2f939abdfa82ead50e1ealc0ed07d9d6c1c9e5e28c9e5cb21708ac7a22ea301
root@ip-172-31-18-199:/home/ubuntu# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
 NAMES
ef2f939abdfa azharhashmi/financeme:latest "java -jar /app.jar" 6 seconds ago Up 5 seconds 0.0.0.0:8090->8081/tcp, [::]:8090->8081/tcp financeme-app
root@ip-172-31-18-199:/home/ubuntu# cd prometheus-2.34.0.linux-amd64
root@ip-172-31-18-199:/home/ubuntu/prometheus-2.34.0.linux-amd64# ./prometheus
ts=2025-04-29T12:47:13.468Z caller=main.go:479 level=info msg="No time or size retention was set so using the default time retention" duration=15d

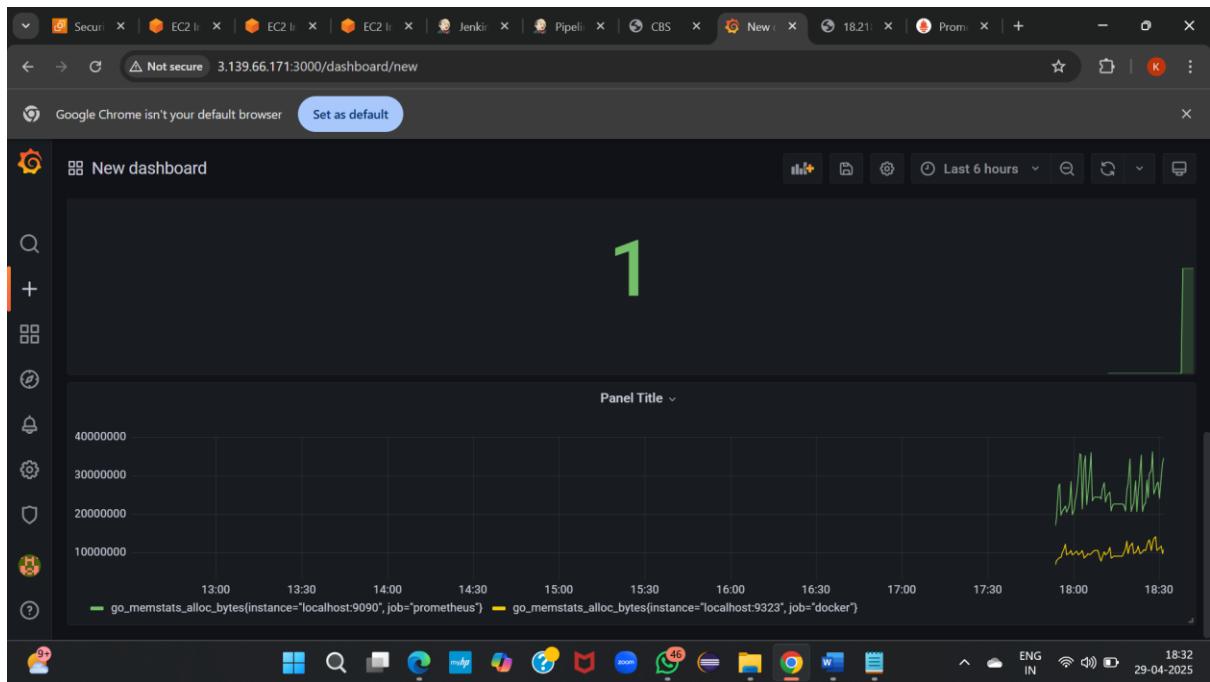
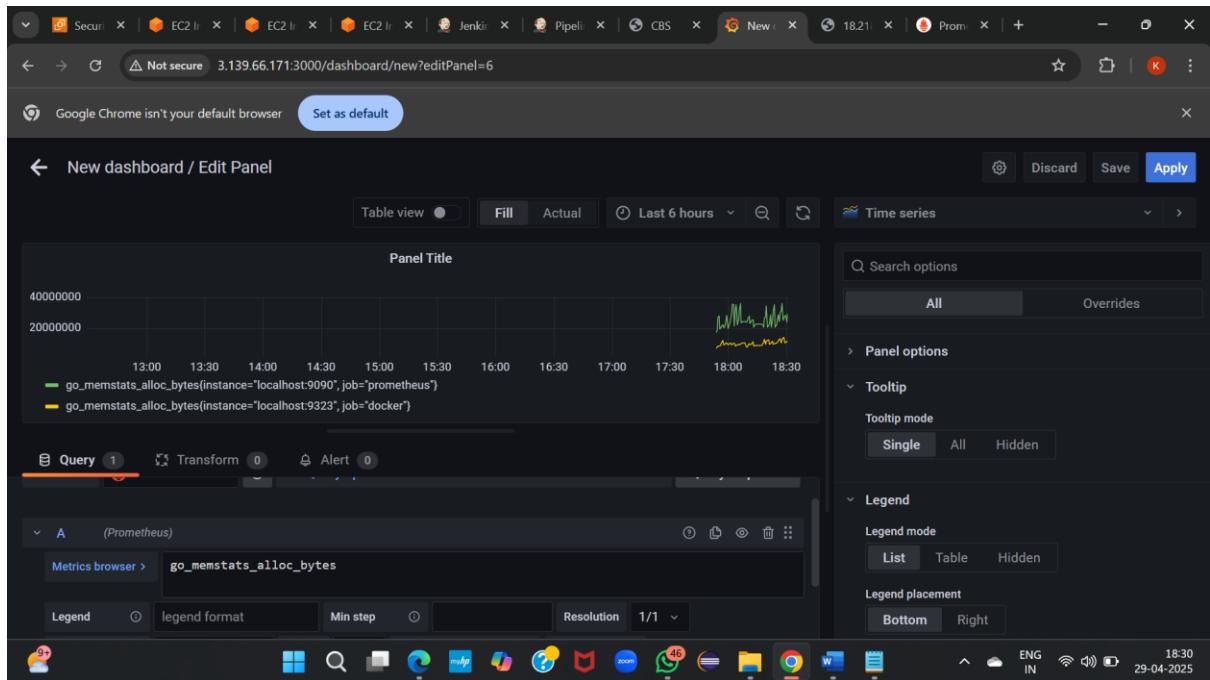
i-0236b34de0c22ba07 (Jenkins-Docker-Ansible-Prometheus-Server)

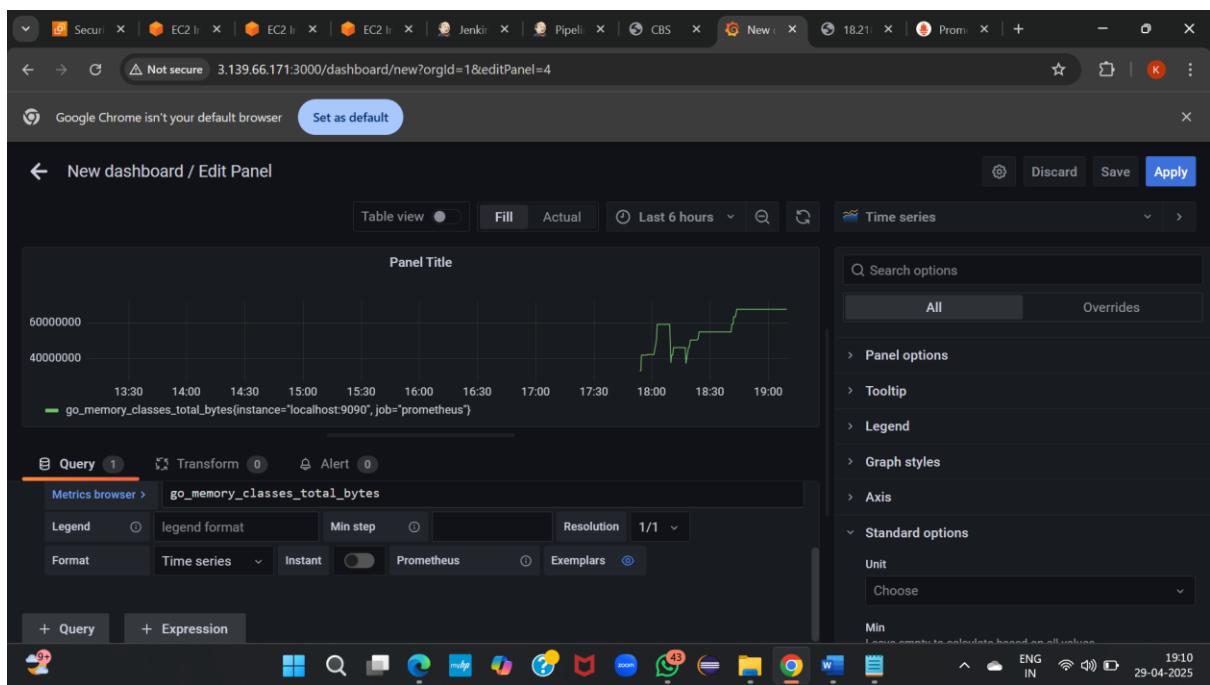
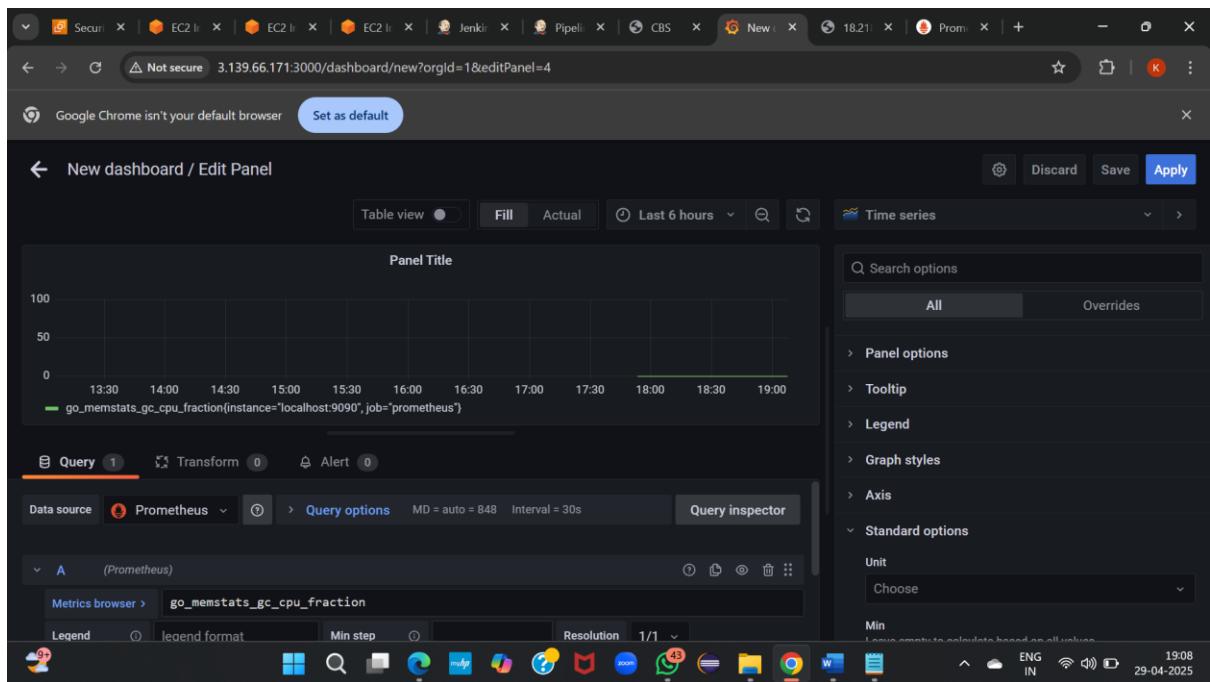
Public IPs: 18.218.129.169 Private IPs: 172.31.18.199

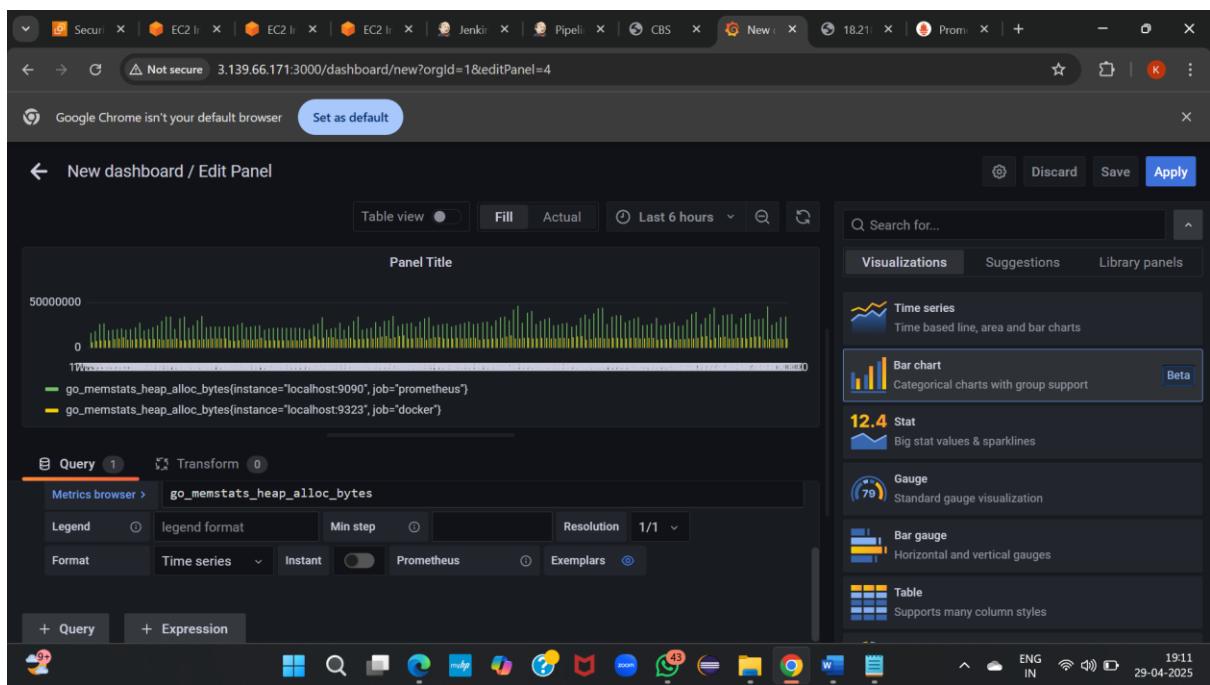
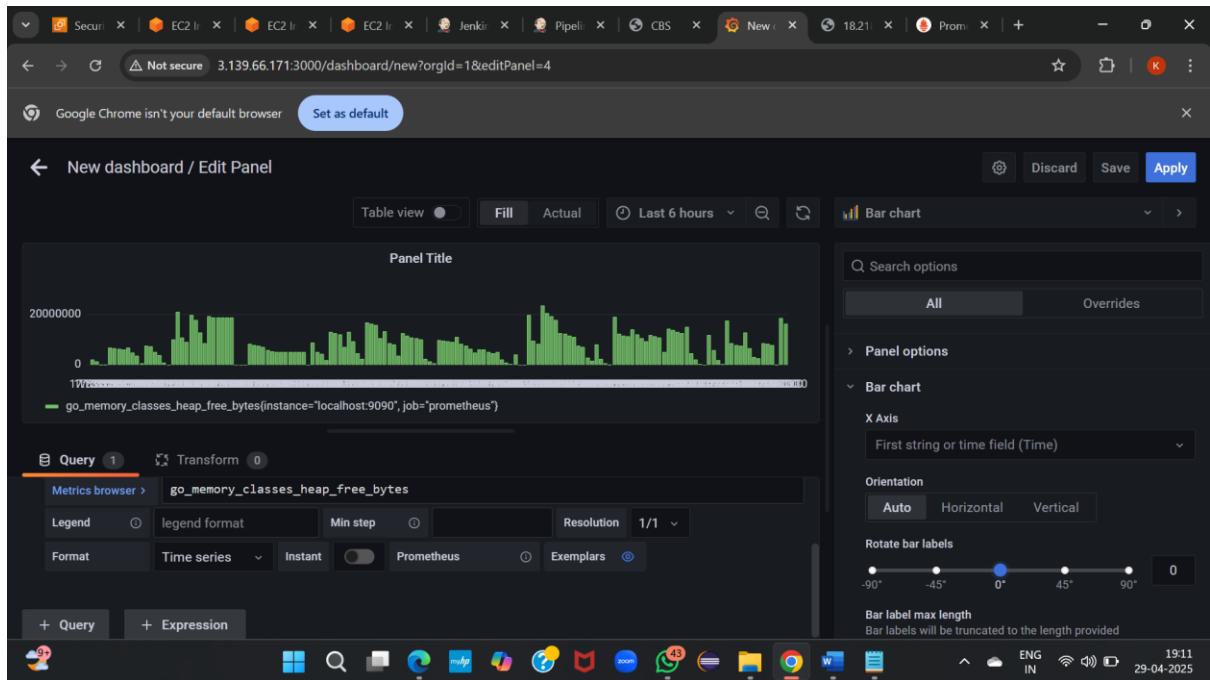
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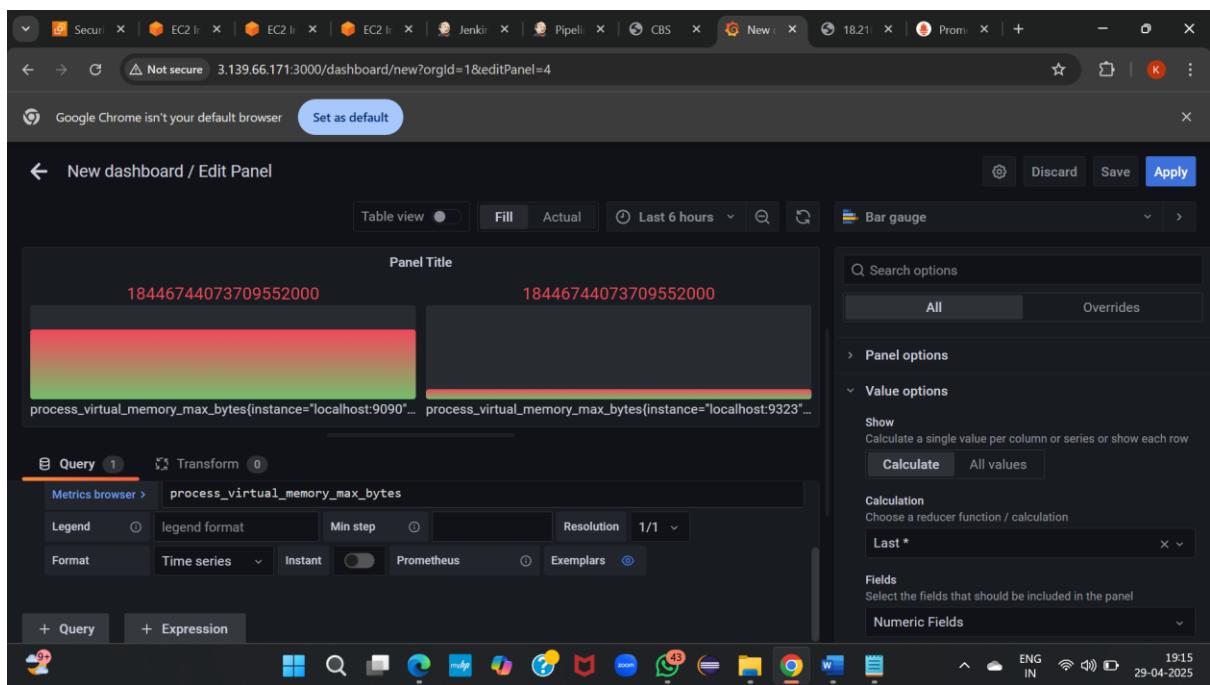
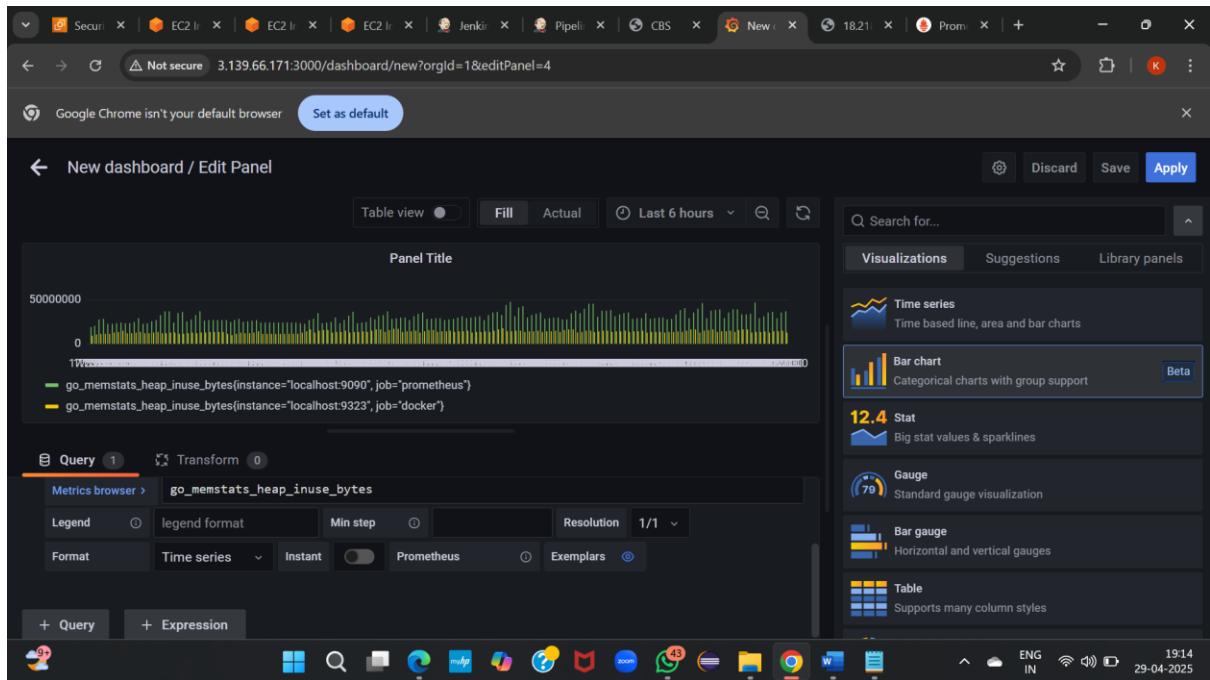
ENG IN 18:20 29-04-2025

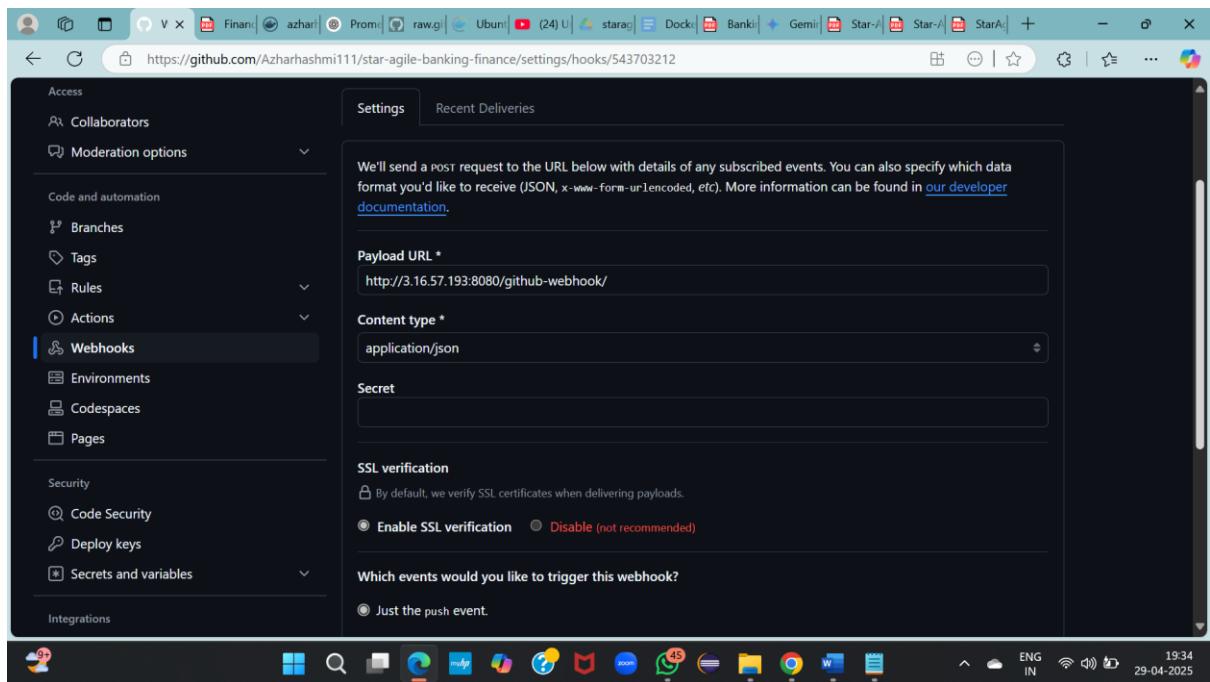








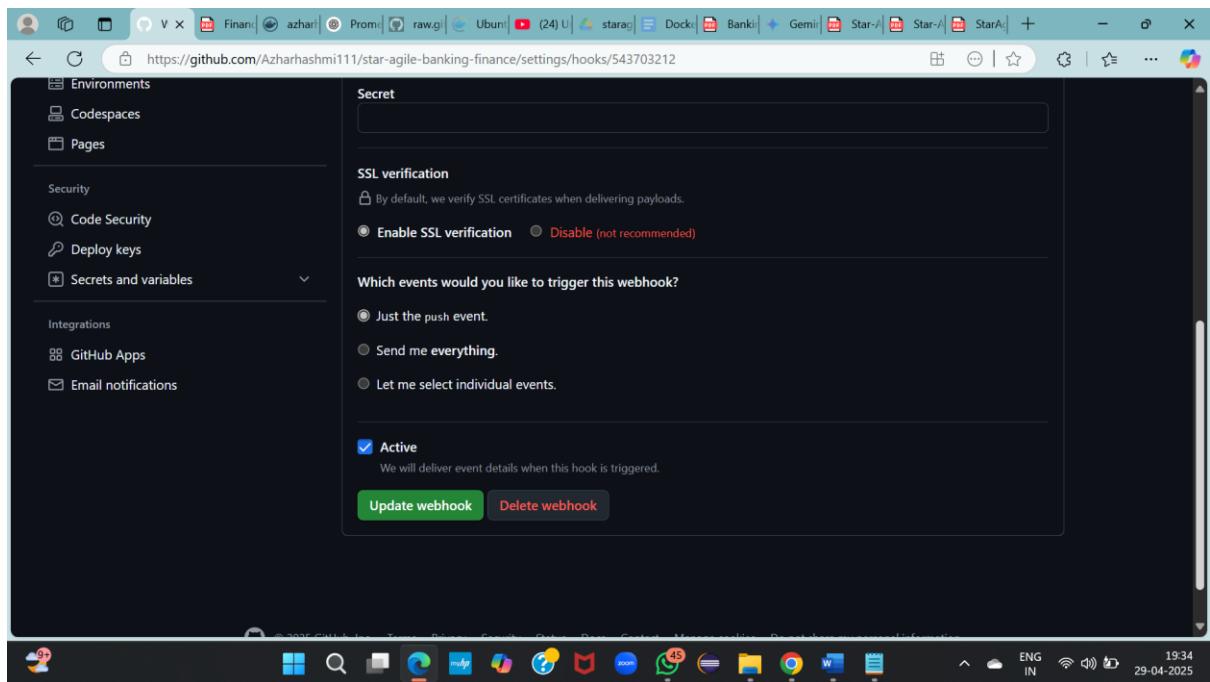




The screenshot shows the GitHub settings interface for a webhook. The URL is <https://github.com/Azharhashmi111/star-agile-banking-finance/settings/hooks/543703212>. The left sidebar shows 'Webhooks' selected under 'Access'. The main 'Settings' tab is active. The configuration includes:

- Payload URL ***: `http://3.16.57.193:8080/github-webhook/`
- Content type ***: `application/json`
- Secret**: An empty text input field.
- SSL verification**: A toggle switch set to **Enable SSL verification**.
- Which events would you like to trigger this webhook?**: A radio button group where **Just the push event.** is selected.

The bottom status bar shows the date as 29-04-2025 and the time as 19:34.



This screenshot shows the same GitHub webhook settings page, but with the 'Active' checkbox checked. The configuration is identical to the first screenshot. The bottom status bar shows the date as 29-04-2025 and the time as 19:34.

A screenshot of a web browser window showing the GitHub settings page for the repository "star-agile-banking-finance". The URL in the address bar is <https://github.com/Azharhashmi111/star-agile-banking-finance/settings/hooks>. The page title is "Azharhashmi111 / star-agile-banking-finance". The navigation bar includes links for Code, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The Settings tab is active. On the left, a sidebar lists General, Access, Collaborators, Moderation options, Code and automation (Branches, Tags, Rules, Actions), Webhooks (selected), Environments, Codespaces, and Pages. The main content area is titled "Webhooks" and contains a section for managing external notifications. It explains that webhooks allow external services to be notified when certain events happen, and provides a link to the "Webhooks Guide". A single webhook entry is listed: "http://3.16.57.193:8080/github-webhook (push)". Below the URL, it says "Last delivery was successful." with a green checkmark icon. There are "Edit" and "Delete" buttons next to the URL. The browser's taskbar at the bottom shows various open tabs and system icons.

