

The screenshot shows the Terraform IDE interface with the 'authenticator.tf' file open in the main editor. The code defines an AWS provider with a specific region and credentials.

```
provider "aws" {
  region     = "us-east-2"
  access_key = "AKIAQMNZPLJ7WRO05F7Y"
  secret_key = "5YwA3ox/kjAaZrqs317z/4nSBTknbbb4y9pPR7CK"
}
```

The screenshot shows the Terraform IDE interface with the 'ec2.tf' file open in the main editor. The code defines variables for instance type, AMI ID, and key pair, and creates an AWS Security Group with ingress and egress rules.

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

variable "ami_id" {
  default = "ami-04f167a56786e4b09"
}

variable "key_name" {
  default = "azharhashmi-keypair"
}

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 screenshot shows the AWS Cloud9 IDE interface. The top navigation bar includes File, Edit, Selection, View, Go, Run, and a search bar labeled "project terraform". The left sidebar has sections for EXPLORER, OPEN EDITORS, PROJECT TERRAFORM, and APPLICATION BUILDER. The main editor window displays a Terraform configuration file named "ec2.tf". The code defines two AWS Security Groups: "jenkins_sg" and "grafana_sg". The "jenkins_sg" group allows ingress from port 8880 to 8880 and egress from port 0 to 0. The "grafana_sg" group allows ingress from port 9090 to 9090 and egress from port 0 to 0. The code uses the "aws_security_group" resource provider.

```
32 resource "aws_security_group" "jenkins_sg" {
33   name            = "jenkins-security-group"
34   description     = "Allow Jenkins-specific ports"
35
36   ingress {
37     from_port    = 8880
38     to_port      = 8880
39     protocol    = "tcp"
40     cidr_blocks = ["0.0.0.0/0"]
41   }
42
43   ingress {
44     from_port    = 9090
45     to_port      = 9090
46     protocol    = "tcp"
47     cidr_blocks = ["0.0.0.0/0"]
48   }
49
50   egress {
51     from_port    = 0
52     to_port      = 0
53     protocol    = "-1"
54     cidr_blocks = ["0.0.0.0/0"]
55   }
56 }
57
58 resource "aws_security_group" "grafana_sg" {
59   name            = "grafana-security-group"
60   description     = "Allow Grafana-specific port"
61 }
```

This screenshot shows the AWS Cloud9 IDE interface again. The main editor window now displays a Terraform configuration file named "ec2.tf". The code defines an AWS Security Group named "grafana_sg" which allows ingress from port 3000 to 3000 and egress from port 0 to 0. It also defines an AWS Instance named "jenkins" with an AMI of "var.ami_id", an instance type of "var.instance_type", and security groups of "common_sg" and "jenkins_sg". The instance has a root block device volume size of 30 GB and a gp3 volume type. The "aws_instance" resource provider is used here.

```
57
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 }
```

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

- File Bar:** File, Edit, Selection, View, Go, Run, ...
- Search Bar:** project terraform
- Editor:** The main editor window displays the file `ec2.tf` with the following Terraform code:

```
resource "aws_instance" "jenkins" {
    ami           = var.ami_id
    instance_type = var.instance_type
    security_groups = [aws_security_group.common_sg.name, aws_security_group.jenkins_sg.name]
    key_name      = var.key_name

    root_block_device {
        volume_size = 30 # 30 GB for Jenkins Server
        volume_type = "gp3"
    }

    tags = {
        Name = "Jenkins-Docker-Ansible-K8S-Prometheus-Server"
    }
}

resource "aws_instance" "prod" {
    ami           = var.ami_id
    instance_type = var.instance_type
    security_groups = [aws_security_group.common_sg.name]
    key_name      = var.key_name

    root_block_device {
        volume_size = 12
        volume_type = "gp3"
    }

    tags = {
        Name = "Prod Server"
    }
}
```

- Explorer:** Shows the project structure with files `.terraform`, `.terraform.lock.hcl`, `authenticator.tf`, and `ec2.tf`.
- Outline:** Shows the outline of the current file `ec2.tf`.
- Timeline:** Shows the timeline of changes made to the file.
- Application Builder:** Shows the AWS application builder interface.
- Bottom Status Bar:** Includes AWS profile default, Amazon Q, and Terraform status.
- System Tray:** Shows battery level (14:15), ENG IN, and date (30-04-2025).

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

- File Bar:** File, Edit, Selection, View, Go, Run, ...
- Search Bar:** project terraform
- Editor:** The main editor window displays the file `ec2.tf` with the following Terraform code:

```
resource "aws_instance" "prod" {
    root_block_device {
        volume_size = 12
        volume_type = "gp3"
    }

    tags = {
        Name = "Prod Server"
    }
}

resource "aws_instance" "grafana" {
    ami           = var.ami_id
    instance_type = var.instance_type
    security_groups = [aws_security_group.common_sg.name, aws_security_group.grafana_sg.name]
    key_name      = var.key_name

    root_block_device {
        volume_size = 8
        volume_type = "gp3"
    }

    tags = {
        Name = "Grafana Server"
    }
}
```

- Explorer:** Shows the project structure with files `.terraform`, `.terraform.lock.hcl`, `authenticator.tf`, and `ec2.tf`.
- Outline:** Shows the outline of the current file `ec2.tf`.
- Timeline:** Shows the timeline of changes made to the file.
- Application Builder:** Shows the AWS application builder interface.
- Bottom Status Bar:** Includes AWS profile default, Amazon Q, and Terraform status.
- System Tray:** Shows battery level (14:15), ENG IN, and date (30-04-2025).

The screenshot shows the Visual Studio Code interface with the 'project terraform' workspace open. The Explorer sidebar shows files like .terraform, authenticator.tf, and ec2.tf. The 'authenticator.tf' file is currently selected. The terminal window displays the output of the 'terraform init' command, which includes:

```
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.

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 plan

The screenshot shows the Visual Studio Code interface with the 'project terraform' workspace open. The Explorer sidebar shows files like .terraform, authenticator.tf, and ec2.tf. The 'ec2.tf' file is currently selected. The terminal window displays the output of the 'terraform plan' command, which includes:

```
+ from_port           = 9090
+ ipv6_cidr_blocks   = []
+ prefix_list_ids    = []
+ protocol            = "tcp"
+ security_groups     = []
+ self                 = false
+ to_port              = 9090
# (1 unchanged attribute hidden)
},
]
+ name                = "jenkins-security-group"
+ name_prefix          = (known after apply)
+ owner_id             = (known after apply)
+ revoke_rules_on_delete = false
+ tags_all             = (known after apply)
+ vpc_id               = (known after apply)
}
```

Plan: 6 to add, 0 to change, 0 to destroy.

Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run "terraform apply" now.

C:\Users\karth\OneDrive\Desktop\project terraform>terraform apply -auto-approve

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

```
resource "aws_instance" "prod" {
  name_prefix      = (known after apply)
  owner_id         = (known after apply)
  revoke_rules_on_delete = false
  tags_all         = (known after apply)
  vpc_id           = (known after apply)
}

Plan: 6 to add, 0 to change, 0 to destroy.

aws_security_group.grafana_sg: Creating...
aws_security_group.common_sg: Creating...
aws_security_group.jenkins_sg: Creating...
aws_security_group.grafana_sg: Creation complete after 6s [id=sg-003d1fe234edec103]
aws_security_group.common_sg: Creation complete after 6s [id=sg-0a1ebd2841b449556]
aws_instance.grafana: Creating...
aws_instance.prod: Creating...
aws_security_group.jenkins_sg: Creation complete after 6s [id=sg-0942d3a4e74ab63bb]
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=1-044aca629c70602968]
aws_instance.grafana: Creation complete after 16s [id=1-09d3b906758a03745]
aws_instance.jenkins: Creation complete after 16s [id=1-0ddeabbdacc0c0b4]

Apply complete! Resources: 6 added, 0 changed, 0 destroyed.
```

The status bar at the bottom shows the path 'C:\Users\karth\OneDrive\Desktop\project terraform' and other system information like battery level, network, and date/time.

A screenshot of a web browser window showing a terminal session or deployment script. The URL is <https://raw.githubusercontent.com/akshu20791/Deployment-script/main/jenkins.sh>. The content of the terminal is as follows:

```
#!/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 status bar at the bottom shows the date and time as 30-04-2025 and 14:20.

Instances | EC2 | us-east-2 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-0ddeabbdacc0c0b4&osU...

Google Chrome isn't your default browser Set as default

AWS Search [Alt+S]

United States (Ohio) Bhai Azhar

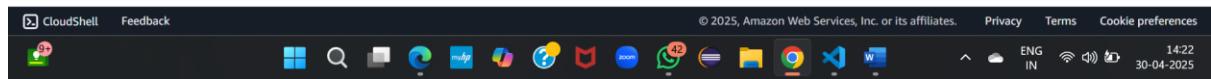
```
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
80 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@ip-172-31-21-30:/home/ubuntu# wget https://raw.githubusercontent.com/akshu20791/Deployment-script/main/jenkins.sh
--2025-04-30 08:51:47-- https://raw.githubusercontent.com/akshu20791/Deployment-script/main/jenkins.sh
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.108.133, 185.199.109.133, 185.199.110.133, ...
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|185.199.108.133|: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

2025-04-30 08:51:47 (35.3 MB/s) - 'jenkins.sh' saved [642/642]
root@ip-172-31-21-30:/home/ubuntu# chmod +x jenkins.sh
root@ip-172-31-21-30:/home/ubuntu# ./jenkins.sh
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

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Instances | EC2 | us-east-2 EC2 Instance Connect | us-east EC2 Instance Connect | us-east Ubuntu | Docker Docs

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=us-east-2&connType=standard&instanceId=i-0ddeabbdacc0c0b4&osU...

Google Chrome isn't your default browser Set as default

AWS Search [Alt+S]

United States (Ohio) Bhai Azhar

```
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.

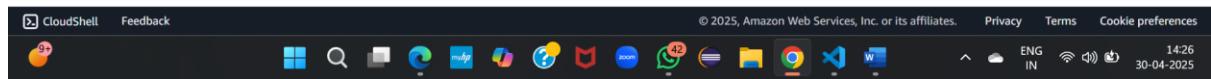
No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
983Bb3b5072d4564b2712a6677a75648
root@ip-172-31-21-30:/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
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

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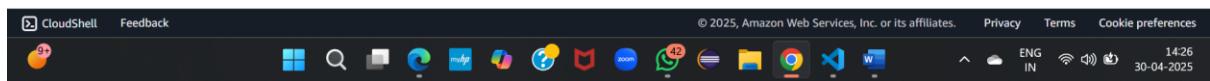


Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Package 'runc' is not installed, so not removed
0 upgraded, 0 newly installed, 0 to remove and 80 not upgraded.
root@ip-172-31-21-30:/home/ubuntu# # Add Docker's official GPG key:
sudo apt-get update
sudo 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 \
\$(lsb_release -c -s) stable" | \
sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
sudo apt-get update

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

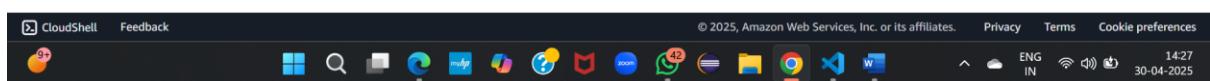
Public IPs: 3.129.68.0 Private IPs: 172.31.21.30



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 80 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 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://download.docker.com/linux/ubuntu noble/stable amd64 Packages [24.0 kB]
Fetched 72.8 kB in 0s (153 kB/s)
Reading package lists... Done
root@ip-172-31-21-30:/home/ubuntu# sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

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```
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 liblc-bin (2.39-0ubuntu8.4) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

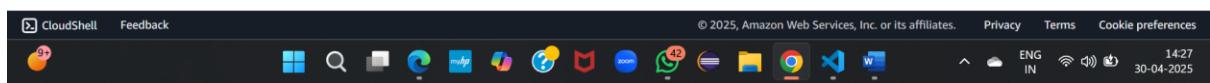
No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-21-30:/home/ubuntu# sudo usermod -aG docker jenkins
root@ip-172-31-21-30:/home/ubuntu# visudo
```

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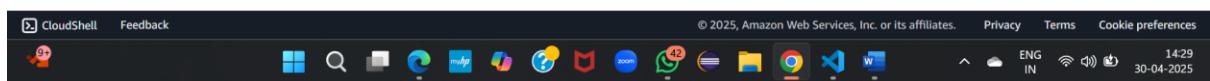
```
GNU nano 7.2                               /etc/sudoers.tmp *

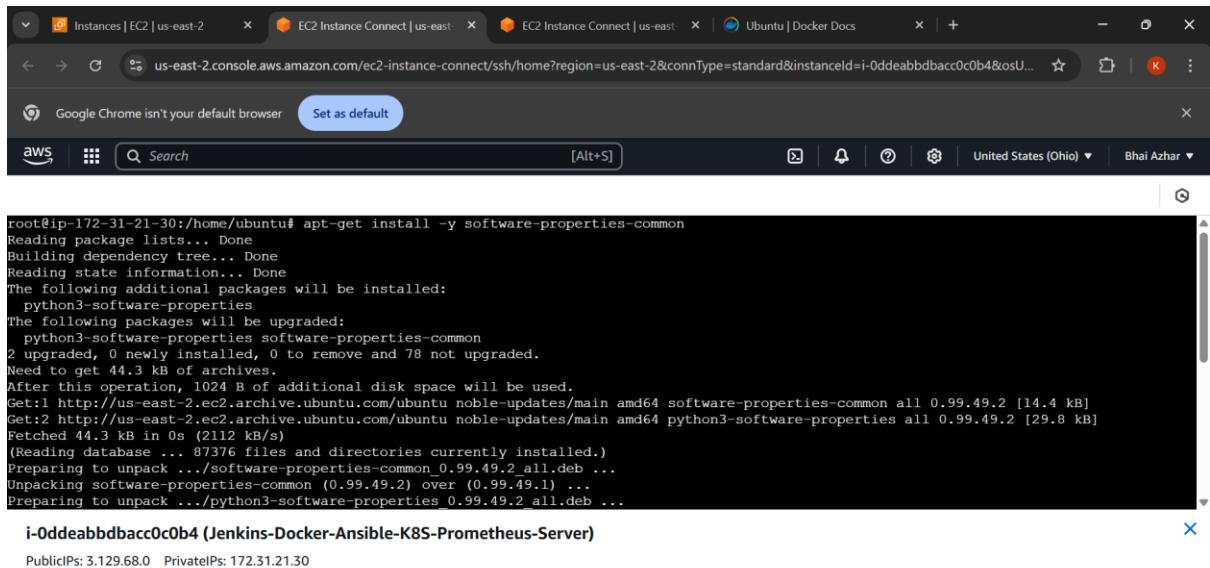
# User alias specification
#
# Cmnd alias specification
#
# User privilege specification
root    ALL=(ALL:ALL) ALL
#
# Members of the admin group may gain root privileges
$admin  ALL=(ALL) ALL
#
# Allow members of group sudo to execute any command
%sudo  ALL=(ALL:ALL) ALL
jenkins ALL=(ALL:ALL) NOPASSWD:ALL

^G Help           ^Q Write Out      ^W Where Is      ^K Cut          ^M Execute      ^C Location      M-U Undo       M-M Set Mark
^X Exit          ^R Read File     ^E Replace       ^U Paste        ^J Justify      ^L Go To Line   M-D Redo       M-G Copy
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

PublicIPs: 3.129.68.0 PrivateIPs: 172.31.21.30

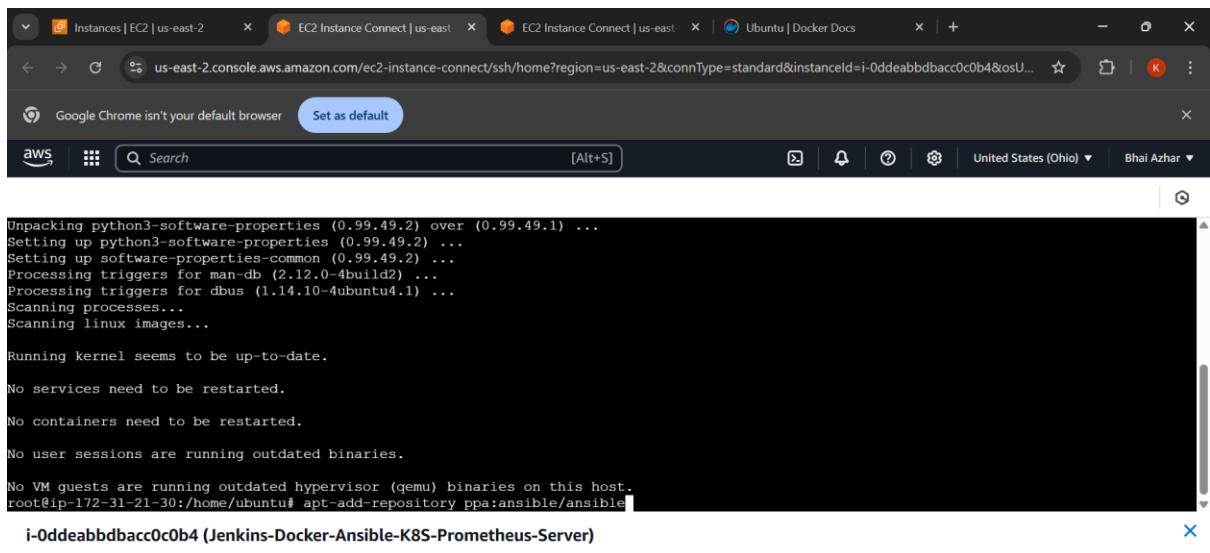
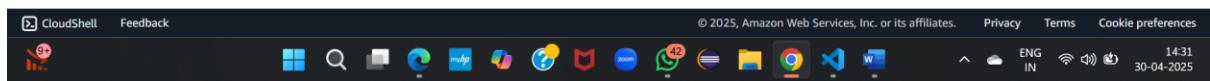




root@ip-172-31-21-30:/home/ubuntu# apt-get install -y software-properties-common
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
 python3-software-properties
The following packages will be upgraded:
 python3-software-properties software-properties-common
2 upgraded, 0 newly installed, 0 to remove and 78 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 (2112 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 ...

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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.

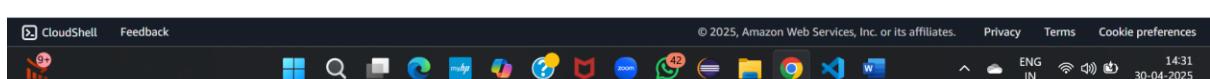
No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-21-30:/home/ubuntu# apt-add-repository ppa:ansible/ansible

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

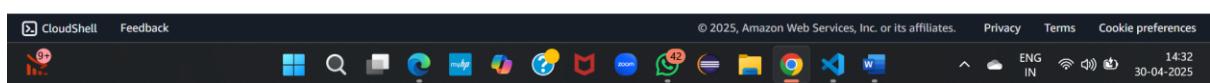
Public IPs: 3.129.68.0 Private IPs: 172.31.21.30



```
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 (19.5 kB/s)  
Reading package lists... Done  
root@ip-172-31-21-30:/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  
Hit:5 https://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  
Hit:8 https://ppa.launchpadcontent.net/ansible/ubuntu noble InRelease  
Reading package lists... Done  
root@ip-172-31-21-30:/home/ubuntu# apt-get install -y ansible
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

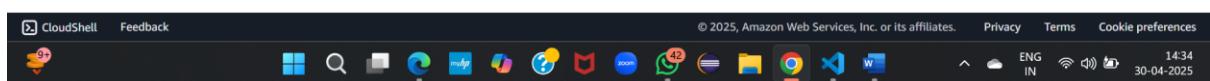
PublicIPs: 3.129.68.0 PrivateIPs: 172.31.21.30



```
override the connection timeout in seconds (default depends on connection)  
-c CONNECTION, --connection CONNECTION  
        connection type to use (default=ssh)  
-u REMOTE_USER, --user REMOTE_USER  
        connect as this user (default=None)  
  
Some actions do not make sense in Ad-Hoc (include, meta, etc)  
root@ip-172-31-21-30:/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-172-31-21-30:/home/ubuntu# vi /etc/ansible/hosts
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

PublicIPs: 3.129.68.0 PrivateIPs: 172.31.21.30



The screenshot shows a web browser window with multiple tabs open. The active tab displays an Ansible inventory file. The file content includes comments explaining the syntax, host definitions, and group assignments. It lists several hosts under different groups, including 'green.example.com', 'blue.example.com', and '192.168.100.1'.

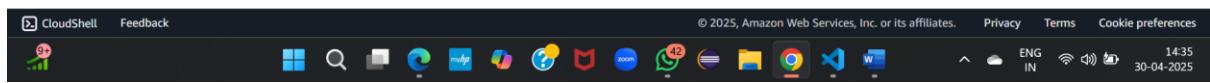
```
# - Comments begin with the '#' character
# - Blank lines are ignored
# - Groups of hosts are delimited by [header] elements
# - You can enter hostnames or ip addresses
# - A hostname/ip can be a member of multiple groups
[ansiblegroup]
172.31.30.100
# Ex 1: Ungrouped hosts, specify before any group headers:

## green.example.com
## blue.example.com
## 192.168.100.1
## 192.168.100.10

# Ex 2: A collection of hosts belonging to the 'webservers' group:
:wg
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

Public IPs: 3.129.68.0 Private IPs: 172.31.21.30

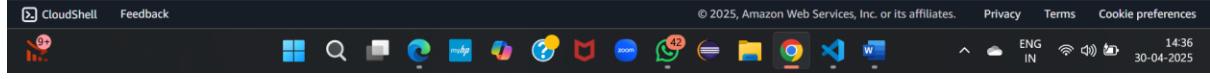


The screenshot shows a web browser window with a terminal session. The terminal is running a command to add a new user ('devops') to the system. The command involves several steps: creating the user account, setting a password, and configuring user details like full name, room number, work phone, home phone, and other information. The user is prompted to verify the information.

```
root@ip-172-31-21-30:/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-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

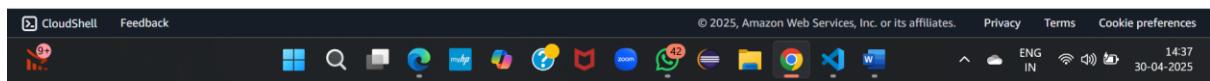
Public IPs: 3.129.68.0 Private IPs: 172.31.21.30



```
root@ip-172-31-30-100:/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-044ca629c70602968 (Prod Server)

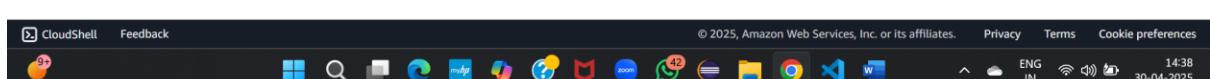
Public IPs: 3.140.254.47 Private IPs: 172.31.30.100



```
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-172-31-21-30:/home/ubuntu# vi /etc/ssh/sshd_config
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

Public IPs: 3.129.68.0 Private IPs: 172.31.21.30

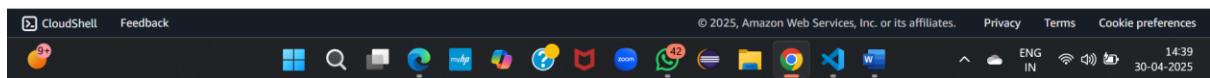


```
#LogLevel INFO
# Authentication:
#LoginGraceTime 2m
PermitRootLogin yes
#StrictModes yes
#MaxAuthTries 6
#MaxSessions 10

PubkeyAuthentication yes

# Expect .ssh/authorized_keys2 to be disregarded by default in future.
#AuthorizedKeysFile      .ssh/authorized_keys .ssh/authorized_keys2
#AuthorizedPrincipalsFile none
-- INSERT --
i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

Public IPs: 3.129.68.0 Private IPs: 172.31.21.30
```

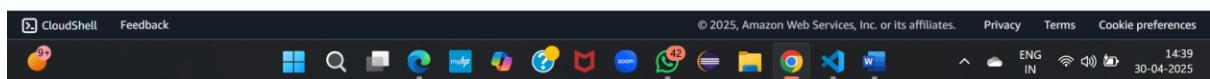


```
#AuthorizedKeysCommandUser nobody
# For this to work you will also need host keys in /etc/ssh/ssh_known_hosts
#HostbasedAuthentication no
# Change to yes if you don't trust ~/.ssh/known_hosts for
# HostbasedAuthentication
#IgnoreUserKnownHosts no
# Don't read the user's ~/.rhosts and ~/.shosts files
#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-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

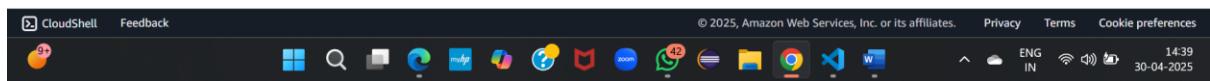
Public IPs: 3.129.68.0 Private IPs: 172.31.21.30
```



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-172-31-30-100:/home/ubuntu# vi /etc/ssh/sshd_config

i-044ca629c70602968 (Prod Server)

Public IPs: 3.140.254.47 Private IPs: 172.31.30.100



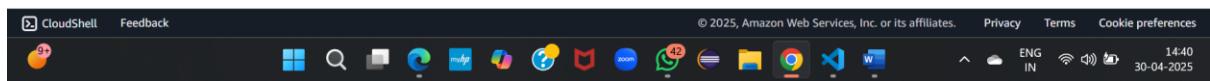
```
#SyslogFacility AUTH
LogLevel INFO

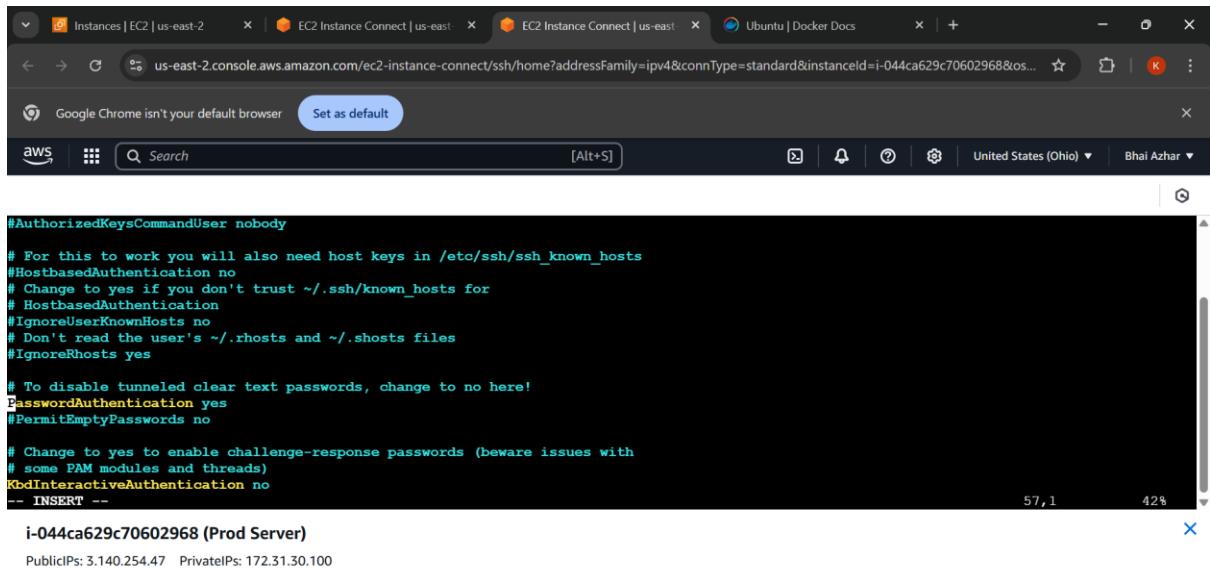
# Authentication:
#LoginGraceTime 2m
PermitRootLogin yes
#StrictModes yes
#MaxAuthTries 6
#MaxSessions 10

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

i-044ca629c70602968 (Prod Server)

Public IPs: 3.140.254.47 Private IPs: 172.31.30.100



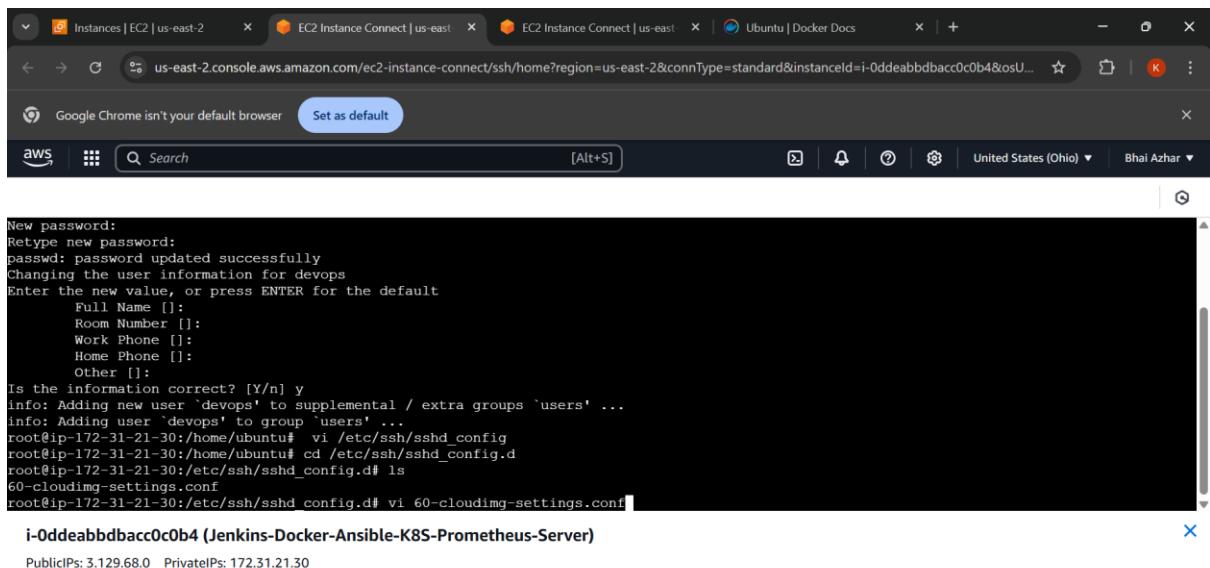
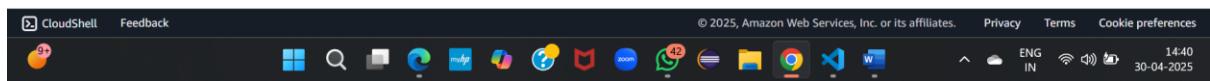


```
#AuthorizedKeysCommandUser nobody
# For this to work you will also need host keys in /etc/ssh/ssh_known_hosts
#HostbasedAuthentication no
# Change to yes if you don't trust ~/.ssh/known_hosts for
# HostbasedAuthentication
#IgnoreUserKnownHosts no
# Don't read the user's ~/.rhosts and ~/.shosts files
#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 --
```

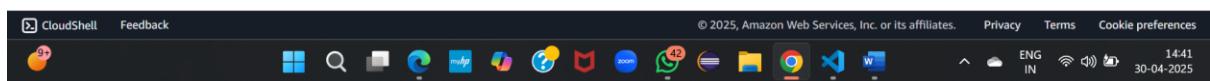
i-044ca629c70602968 (Prod Server)
Public IPs: 3.140.254.47 Private IPs: 172.31.30.100

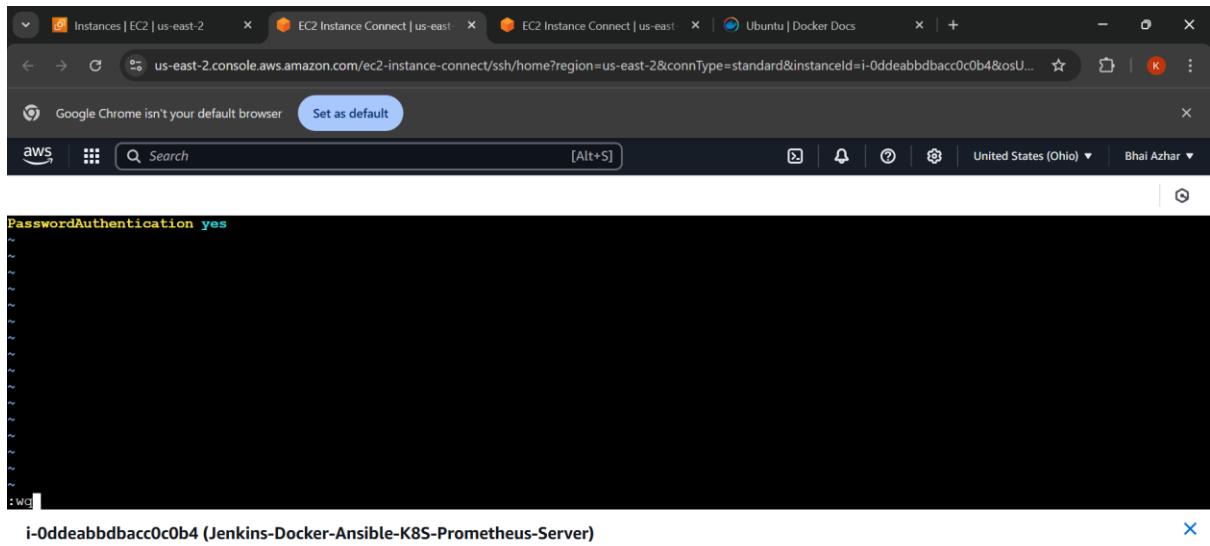


```
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for devops
Enter the new value, or press ENTER for the default
  Full Name []:
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []

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-172-31-21-30:/home/ubuntu# vi /etc/ssh/sshd_config
root@ip-172-31-21-30:/home/ubuntu# cd /etc/ssh/sshd_config.d
root@ip-172-31-21-30:/etc/ssh/sshd_config.d# ls
60-cloudimg-settings.conf
root@ip-172-31-21-30:/etc/ssh/sshd_config.d# vi 60-cloudimg-settings.conf
```

i-0ddeabbbacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)
Public IPs: 3.129.68.0 Private IPs: 172.31.21.30

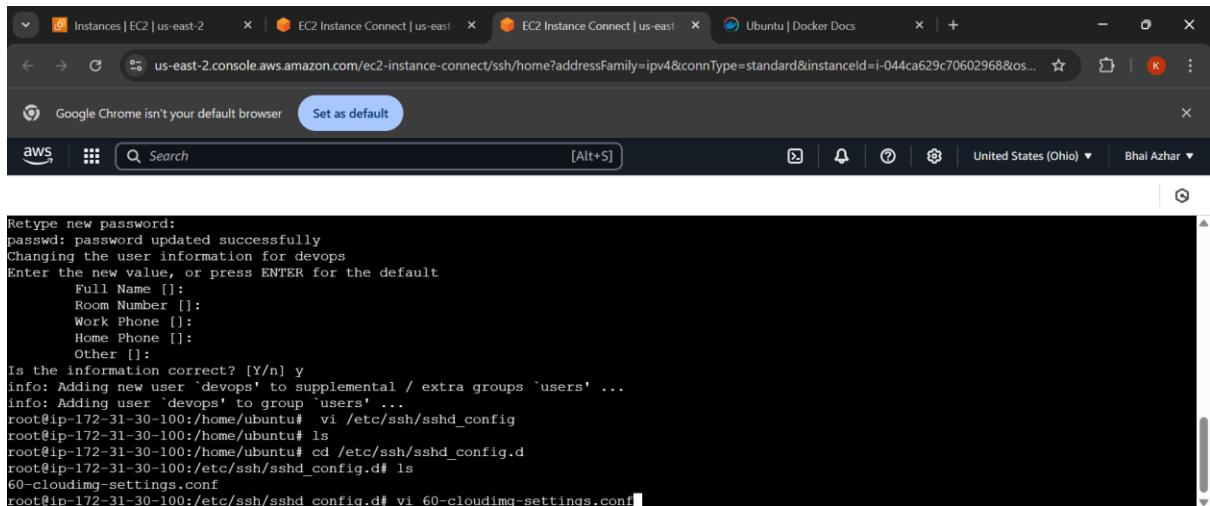
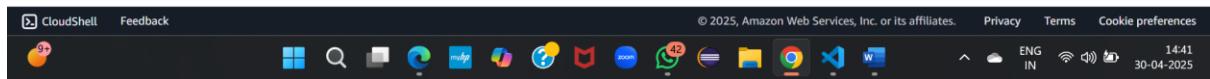




```
>PasswordAuthentication yes
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

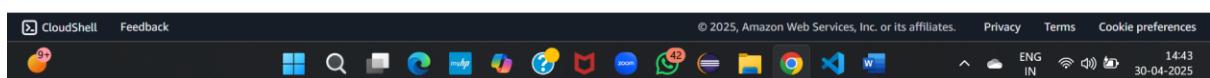
Public IPs: 3.129.68.0 Private IPs: 172.31.21.30

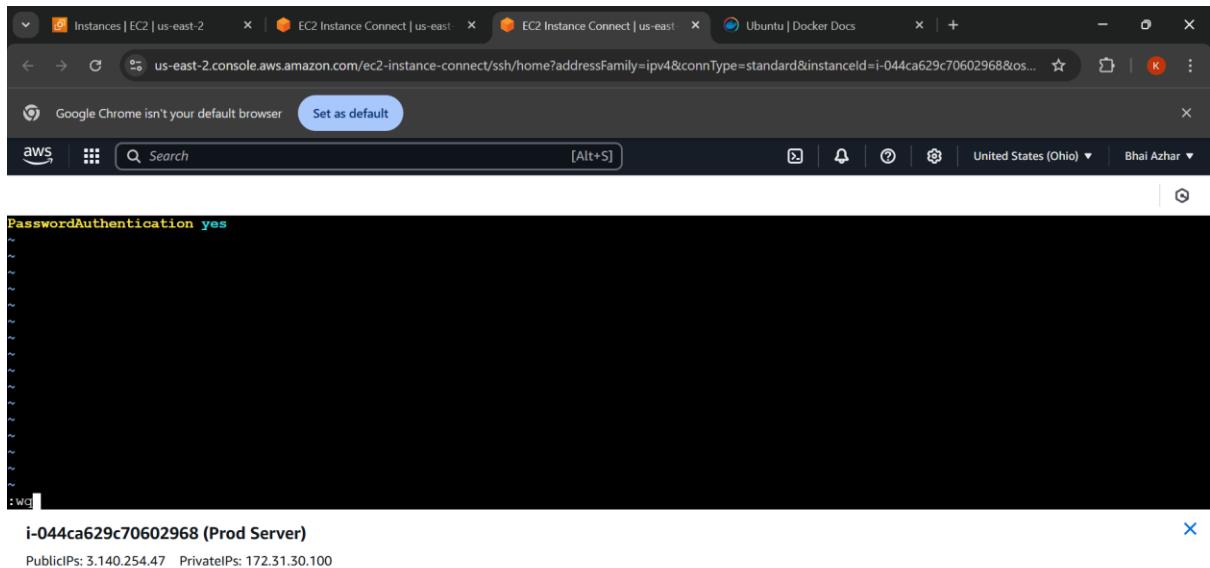


```
Retype new password:  
passwd: password updated successfully  
Changing the user information for devops  
Enter the new value, or press ENTER for the default  
    Full Name []:  
    Room Number []:  
    Work Phone []:  
    Home Phone []:  
    Other []:  
Is the information correct? [Y/n] y  
info: Adding new user `devops` to supplemental / extra groups `users' ...  
info: Adding user `devops` to group `users' ...  
root@ip-172-31-30-100:/home/ubuntu# vi /etc/ssh/sshd_config  
root@ip-172-31-30-100:/home/ubuntu# ls  
root@ip-172-31-30-100:/home/ubuntu# cd /etc/ssh/sshd_config.d  
root@ip-172-31-30-100:/etc/ssh/sshd_config.d# ls  
60-cloudimg-settings.conf  
root@ip-172-31-30-100:/etc/ssh/sshd_config.d# vi 60-cloudimg-settings.conf
```

i-044ca629c70602968 (Prod Server)

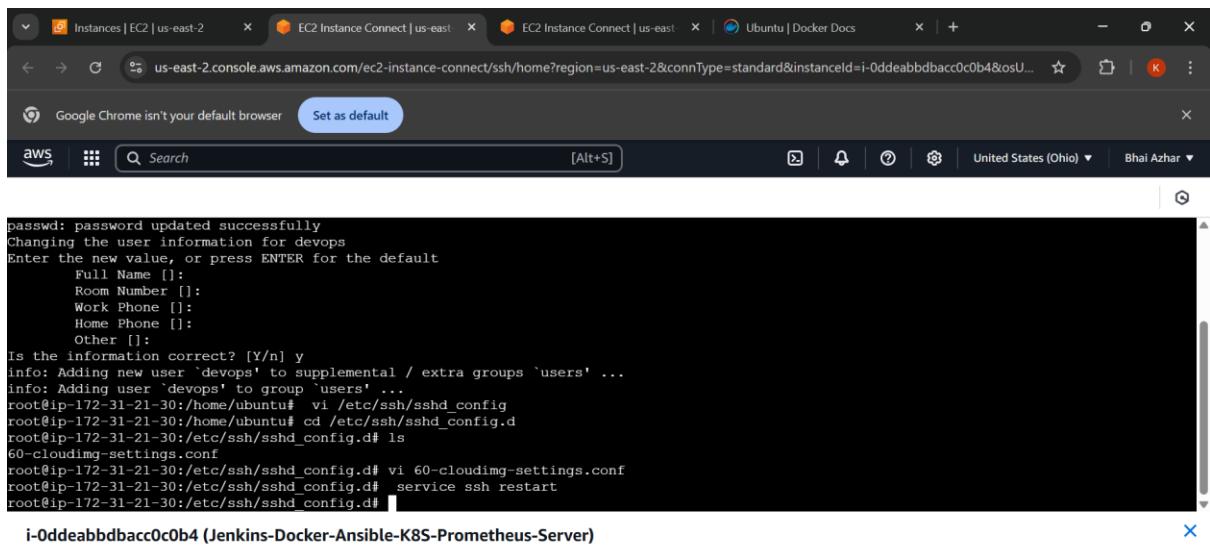
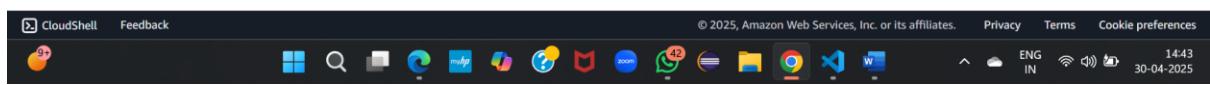
Public IPs: 3.140.254.47 Private IPs: 172.31.30.100





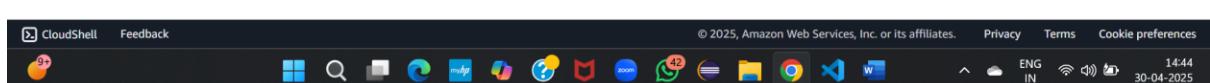
```
>PasswordAuthentication yes
```

i-044ca629c70602968 (Prod Server)
Public IPs: 3.140.254.47 Private IPs: 172.31.30.100



```
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-172-31-21-30:/home/ubuntu# vi /etc/ssh/sshd_config
root@ip-172-31-21-30:/home/ubuntu# cd /etc/ssh/sshd_config.d
root@ip-172-31-21-30:/etc/ssh/sshd_config.d# ls
60-cloudimg-settings.conf
root@ip-172-31-21-30:/etc/ssh/sshd_config.d# vi 60-cloudimg-settings.conf
root@ip-172-31-21-30:/etc/ssh/sshd_config.d# service ssh restart
root@ip-172-31-21-30:/etc/ssh/sshd_config.d#
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)
Public IPs: 3.129.68.0 Private IPs: 172.31.21.30

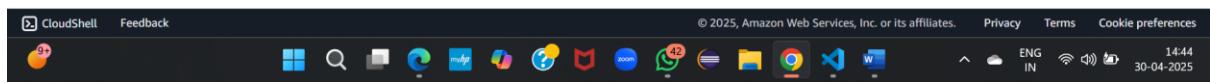


```
Changing the user information for devops
Enter the new value, or press ENTER for the default
  Full Name []:
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []

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-172-31-30-100:/home/ubuntu# vi /etc/ssh/sshd_config
root@ip-172-31-30-100:/home/ubuntu# ls
root@ip-172-31-30-100:/home/ubuntu# cd /etc/ssh/sshd_config.d
root@ip-172-31-30-100:/etc/ssh/sshd_config.d# ls
60-cloudimg-settings.conf
root@ip-172-31-30-100:/etc/ssh/sshd_config.d# vi 60-cloudimg-settings.conf
root@ip-172-31-30-100:/etc/ssh/sshd_config.d# service ssh restart
root@ip-172-31-30-100:/etc/ssh/sshd_config.d#
```

i-044ca629c70602968 (Prod Server)

Public IPs: 3.140.254.47 Private IPs: 172.31.30.100

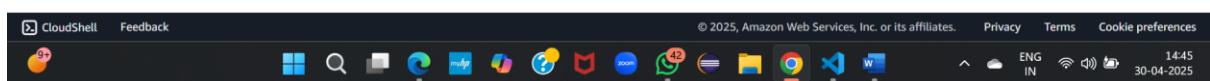


```
passwd: password updated successfully
Changing the user information for devops
Enter the new value, or press ENTER for the default
  Full Name []:
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []

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-172-31-21-30:/home/ubuntu# vi /etc/ssh/sshd_config
root@ip-172-31-21-30:/home/ubuntu# cd /etc/ssh/sshd_config.d
root@ip-172-31-21-30:/etc/ssh/sshd_config.d# ls
60-cloudimg-settings.conf
root@ip-172-31-21-30:/etc/ssh/sshd_config.d# vi 60-cloudimg-settings.conf
root@ip-172-31-21-30:/etc/ssh/sshd_config.d# service ssh restart
root@ip-172-31-21-30:/etc/ssh/sshd_config.d# visudo
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

Public IPs: 3.129.68.0 Private IPs: 172.31.21.30



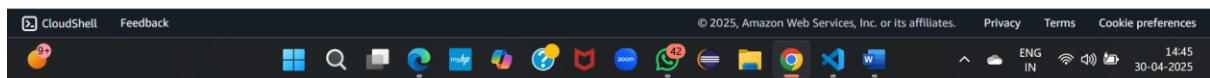
```

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-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

Public IPs: 3.129.68.0 Private IPs: 172.31.21.30



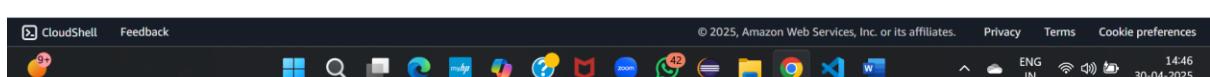
```

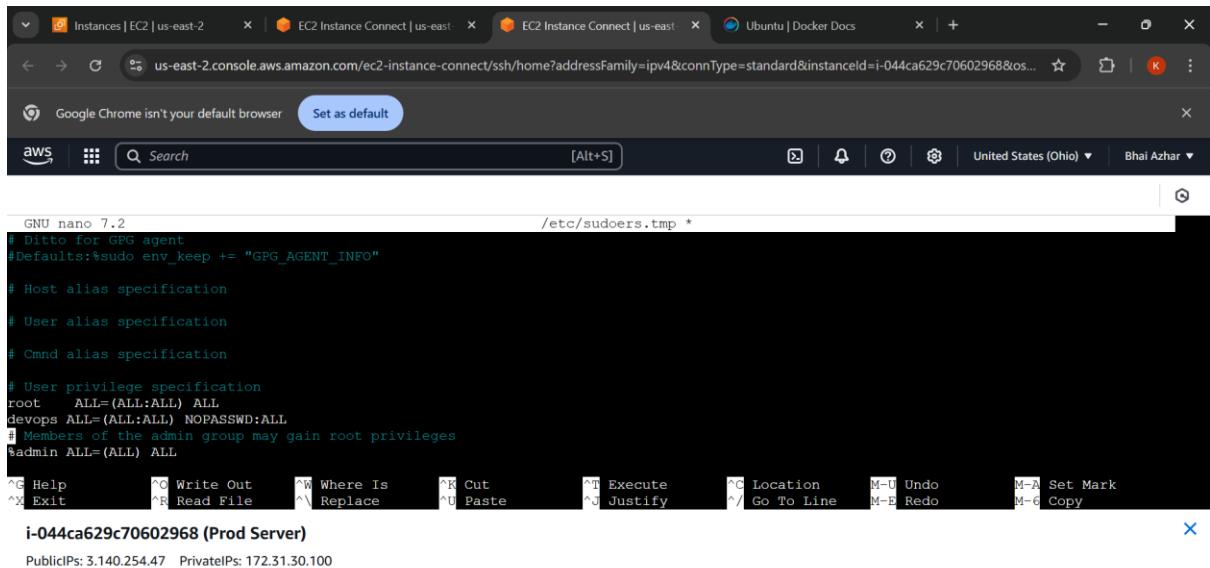
Changing the user information for devops
Enter the new value, or press ENTER for the default
  Full Name []:
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []
Is the information correct? [Y/n] y
info: Adding new user `devops' to supplemental / extra groups `users' ...
info: Adding user `devops' to group `users' ...
root@ip-172-31-30-100:/home/ubuntu# vi /etc/ssh/sshd_config
root@ip-172-31-30-100:/home/ubuntu# ls
root@ip-172-31-30-100:/home/ubuntu# cd /etc/ssh/sshd_config.d
root@ip-172-31-30-100:/etc/ssh/sshd_config.d# ls
60-cloudimg-settings.conf
root@ip-172-31-30-100:/etc/ssh/sshd_config.d# vi 60-cloudimg-settings.conf
root@ip-172-31-30-100:/etc/ssh/sshd_config.d# service ssh restart
root@ip-172-31-30-100:/etc/ssh/sshd_config.d# visudo

```

i-044ca629c70602968 (Prod Server)

Public IPs: 3.140.254.47 Private IPs: 172.31.30.100

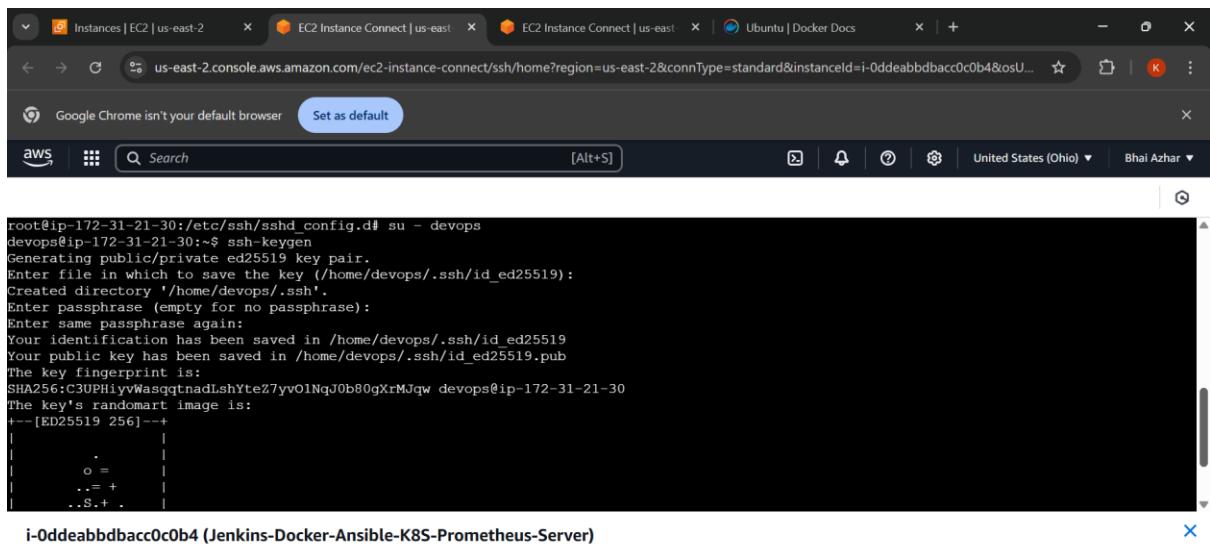
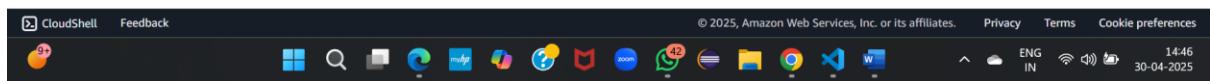




```
GNU nano 7.2                               /etc/sudoers.tmp *  
# Ditto for GPG agent  
Defaults:Defaults:+= "GPG_AGENT_INFO"  
  
# Host alias specification  
  
# User alias specification  
  
# Cmnd alias specification  
  
# User privilege specification  
root    ALL=(ALL:ALL) ALL  
devops ALL=(ALL:ALL) NOPASSWD:ALL  
# Members of the admin group may gain root privileges  
%admin  ALL=(ALL) ALL  
  
^G Help          ^C Write Out      ^W Where Is      ^K Cut           ^E Execute       ^C Location     M-U Undo  
^X Exit          ^R Read File      ^V Replace       ^U Paste         ^J Justify       ^L Go To Line   M-B Redo  
                                         M-A Set Mark   M-C Copy
```

i-044ca629c70602968 (Prod Server)

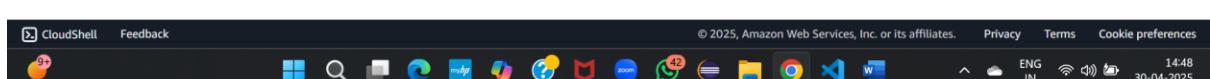
Public IPs: 3.140.254.47 Private IPs: 172.31.30.100



```
root@ip-172-31-21-30:/etc/ssh/sshd_config.d# su - devops  
devops@ip-172-31-21-30:~$ 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:C3UPHiyvWasqqtadLshYteZ7yvO1NqJ0b80gXrMJqw devops@ip-172-31-21-30  
The key's randomart image is:  
+-- [ED25519 256] --+  
|  
|  
| . = |  
| .. = + |  
| ..S.+ . |
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

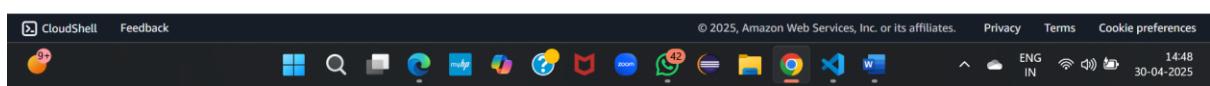
Public IPs: 3.129.68.0 Private IPs: 172.31.21.30



```
The key fingerprint is:  
SHA256:C3UPHiywWasqqtmadLshYteZ7yvo1Nqj0b80gXrMjqw devops@ip-172-31-21-30  
The key's randomart image is:  
+--[ED25519 256]--+  
| . . . |  
| o = . |  
| .. + . |  
| ..S+. . |  
| o O. =.. |  
| ..Ox B+o. |  
| .*.o=+X .. |  
| +o+E+B+Boo. |  
+---[SHA256]---+  
devops@ip-172-31-21-30:~$ ls -a  
. .. .bash_logout .bashrc .profile .ssh  
devops@ip-172-31-21-30:~$ cd .ssh  
devops@ip-172-31-21-30:~/ssh$
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

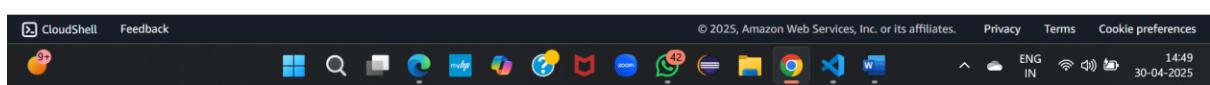
Public IPs: 3.129.68.0 Private IPs: 172.31.21.30

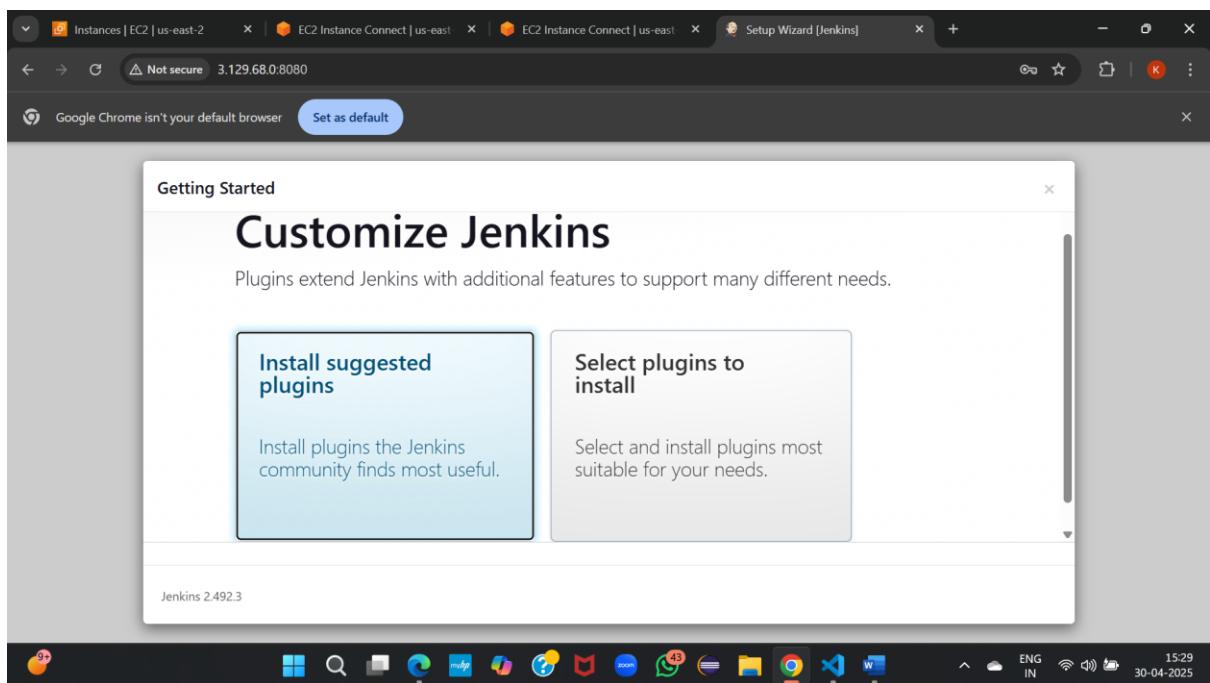
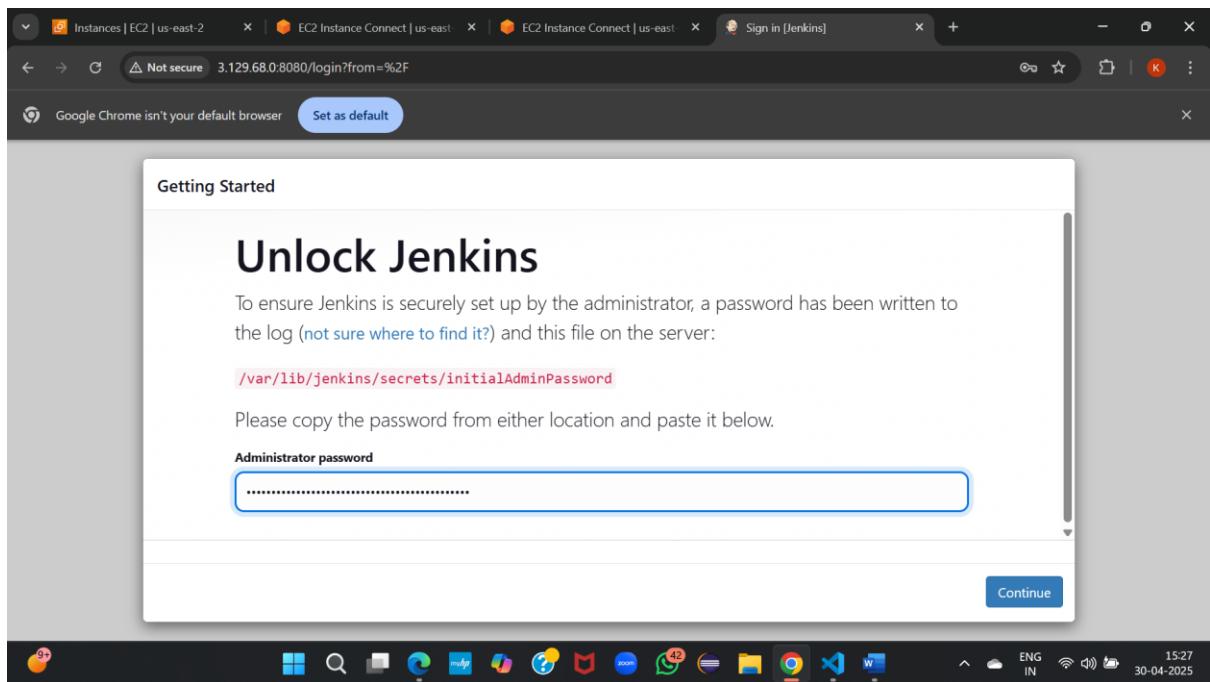


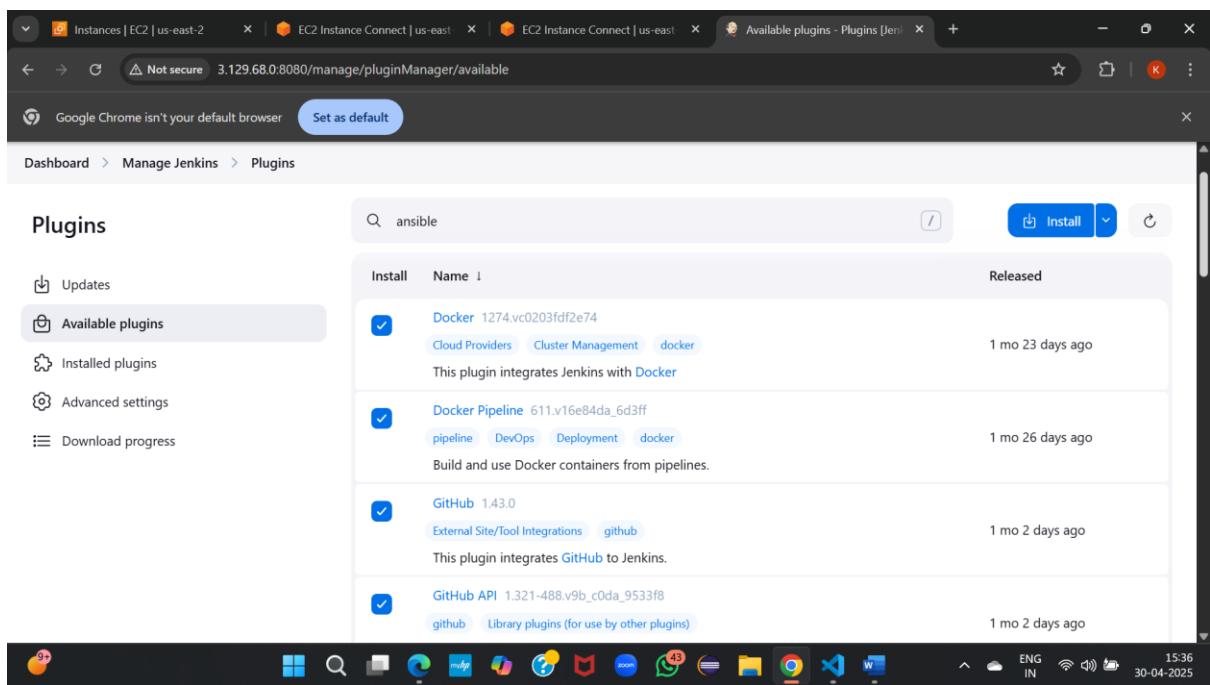
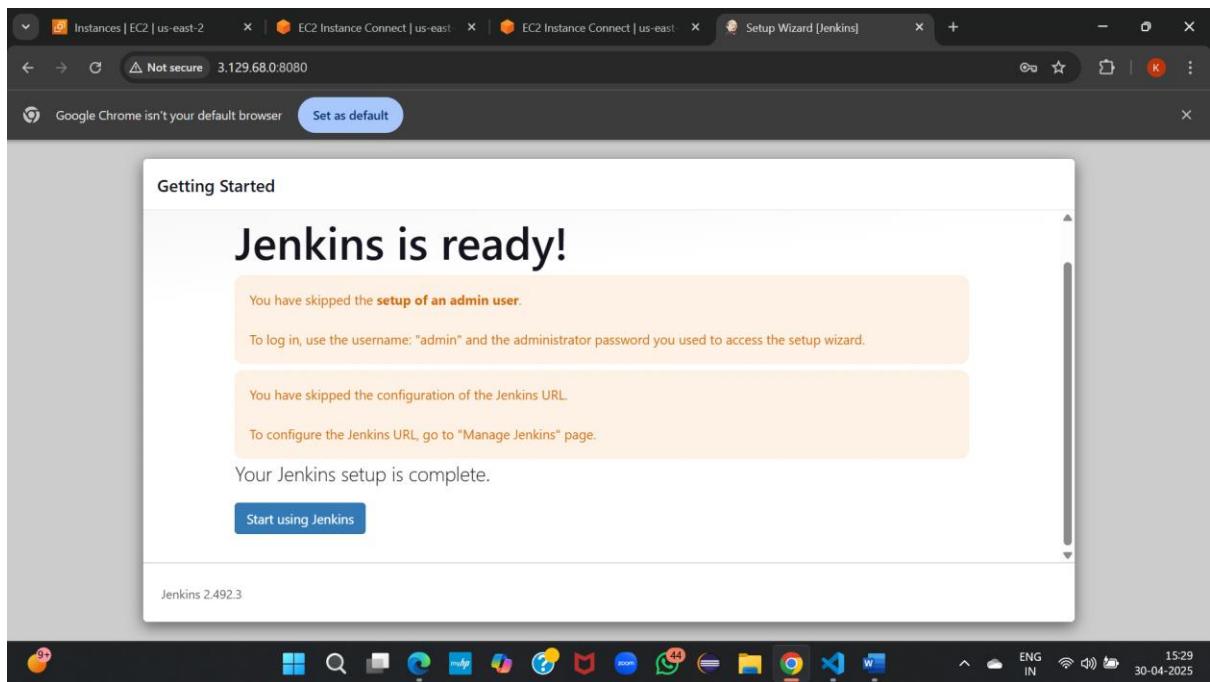
```
... .bash_logout .bashrc .profile .ssh  
devops@ip-172-31-21-30:~$ cd .ssh  
devops@ip-172-31-21-30:~/ssh$ ssh-copy-id devops@172.31.30.100  
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/devops/.ssh/id_ed25519.pub"  
The authenticity of host '172.31.30.100 (172.31.30.100)' can't be established.  
ED25519 key fingerprint is SHA256:By09bUUP0SEjeDjWPKvNK3jMGeM3t4LFRztiYCuNK0.  
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@172.31.30.100's password:  
Number of key(s) added: 1  
  
Now try logging into the machine, with: "ssh 'devops@172.31.30.100'"  
and check to make sure that only the key(s) you wanted were added.  
devops@ip-172-31-21-30:~/ssh$
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

Public IPs: 3.129.68.0 Private IPs: 172.31.21.30







The screenshot shows the Jenkins plugin manager interface. The search bar at the top contains the text "ansible". Below the search bar, there is a list of available plugins:

- GitHub Integration** 0.7.2: GitHub Integration Plugin for Jenkins. Last updated 3 mo 15 days ago.
- Maven Integration** 3.26: This plugin provides a deep integration between Jenkins and Maven. It adds support for automatic triggers between projects depending on SNAPSHOTs as well as the automated configuration of various Jenkins publishers such as Junit. Last updated 4 days 0 hr ago.
- Pipeline Maven Integration** 1508.v347c4b_692202: This plugin provides integration with Pipeline, configures maven environment to use within a pipeline job by calling sh mvn or bat mvn. The selected maven installation will be configured and prepended to the path. Last updated 1 mo 20 days ago.
- Pipeline Maven Plugin API** 1508.v347c4b_692202: pipeline Maven. Last updated 1 mo 20 days ago.

The left sidebar shows navigation links: Dashboard, Manage Jenkins, Plugins, Available plugins (which is selected), Updates, Installed plugins, Advanced settings, and Download progress. The bottom of the screen shows the Windows taskbar with various application icons and system status indicators.

The screenshot shows the Jenkins plugin manager interface. The search bar at the top contains the text "Pipeline". Below the search bar, there is a list of available plugins:

- Pipeline** 608.v67378e9d3db_1: A suite of plugins that lets you orchestrate automation, simple or complex. See [Pipeline as Code with Jenkins](#) for more details. Last updated 1 mo 11 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. Last updated 2 mo 4 days ago.
- Pipeline: SCM Step** 437.v05a_f66b_e5ef8: Source Code Management related Source Code Management Miscellaneous. Adds a Pipeline step to check out or update working sources from various SCMs (version control). Last updated 2 mo 6 days ago.
- Pipeline: Job** 1520.v56d65e3b_4566: pipeline Miscellaneous. Defines a new job type for pipelines and provides their generic user interface. Last updated 14 days ago.

The left sidebar shows navigation links: Dashboard, Manage Jenkins, Plugins, Available plugins (which is selected), Updates, Installed plugins, Advanced settings, and Download progress. The bottom of the screen shows the Windows taskbar with various application icons and system status indicators.

Instances | EC2 | us-east-2 | EC2 Instance Connect | us-east | EC2 Instance Connect | us-east | Available plugins - Plugins [Jen...]

Not secure 3.129.68.0:8080/manage/pluginManager/available

Google Chrome isn't your default browser Set as default

Dashboard > Manage Jenkins > Plugins

Plugins

- Updates
- Available plugins**
- Installed plugins
- Advanced settings
- Download progress

Search: ansible

Plugin	Description	Last Updated
Pipeline: Basic Steps	Commonly used steps for Pipelines.	3 mo 6 days ago
Pipeline: Stage Step	Adds the Pipeline step <code>stage</code> to delineate portions of a build.	2 mo 6 days ago
Pipeline: Declarative	An opinionated, declarative Pipeline.	1 day 15 hr ago
Pipeline: Stage View	Pipeline Stage View Plugin.	9 hr 18 min ago
Generic Webhook Trigger		

9+ 15:37 ENG IN WiFi 30-04-2025

Instances | EC2 | us-east-2 | EC2 Instance Connect | us-east | EC2 Instance Connect | us-east | Available plugins - Plugins [Jen...]

Not secure 3.129.68.0:8080/manage/pluginManager/available

Google Chrome isn't your default browser Set as default

Dashboard > Manage Jenkins > Plugins

Plugins

- Updates
- Available plugins**
- Installed plugins
- Advanced settings
- Download progress

Search: ansible

Plugin	Description	Last Updated
Generic Webhook Trigger	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 19 days ago
Ansible	Invoke Ansible Ad-Hoc commands and playbooks.	1 mo 13 days ago
Ansible Tower	This plugin connects Jenkins with Ansible Tower	2 mo 23 days ago

9+ 15:37 ENG IN WiFi 30-04-2025

The screenshot shows a web browser window with three tabs open at the top: "Instances | EC2 | us-east-2", "EC2 Instance Connect | us-east", and "EC2 Instance Connect | us-east". The main content area displays the Jenkins "Download progress - Plugins" page. The left sidebar has links for "Updates", "Available plugins", "Installed plugins", "Advanced settings", and "Download progress" (which is selected). The right panel shows a list of Jenkins plugins with their download status:

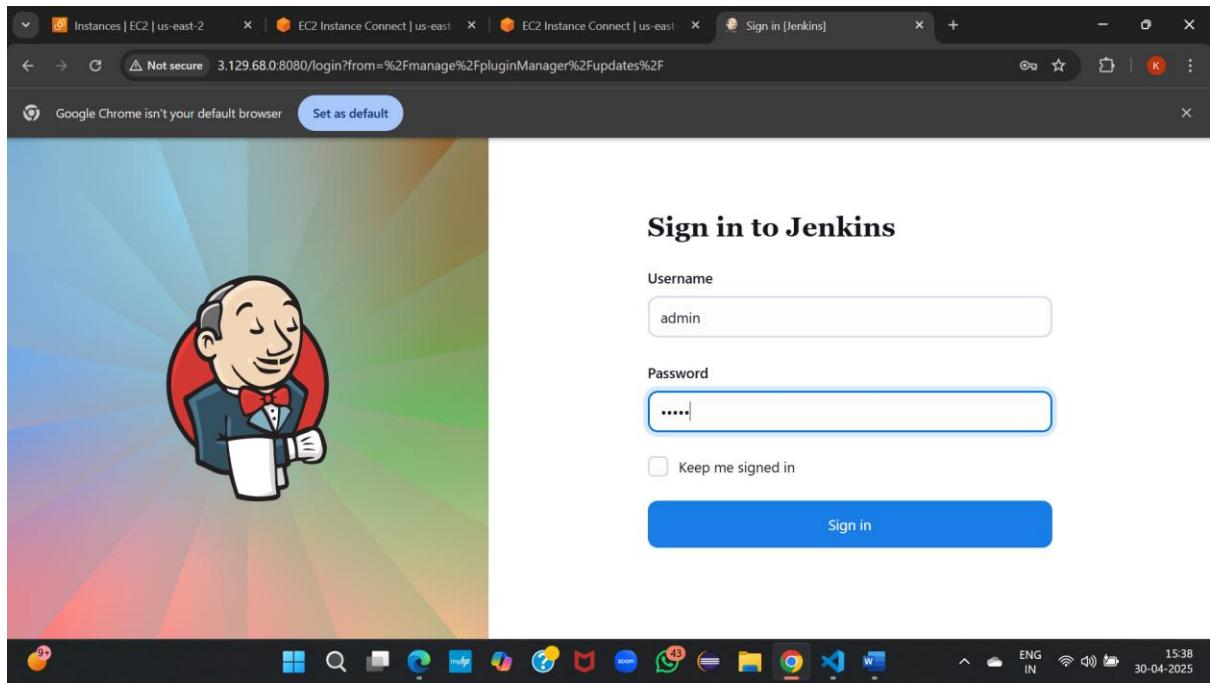
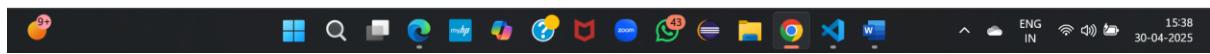
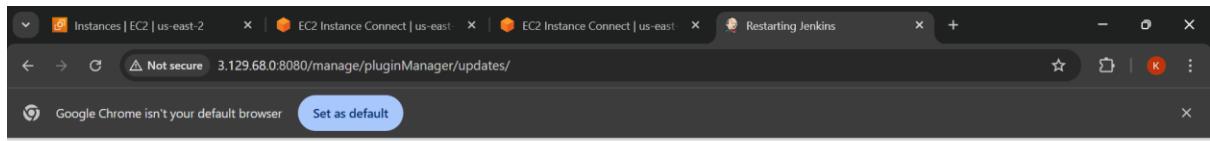
Plugin	Status
Ionicons API	Success
Cloud Statistics	Success
Structs	Success
Pipeline: Step API	Success
bouncycastle API	Success
Credentials	Success
Plain Credentials	Success
Variant	Success
SSH Credentials	Success
Credentials Binding	Success
Authentication Tokens API	Success
Docker Commons	Success

At the bottom of the right panel, there are two buttons: "→ Go back to the top page" and "→ Restart Jenkins when installation is complete and no jobs are running". The system tray at the bottom right shows "ENG IN" and the date "30-04-2025".

The screenshot shows a web browser window with three tabs open at the top: "Instances | EC2 | us-east-2", "EC2 Instance Connect | us-east", and "EC2 Instance Connect | us-east". The main content area displays the Jenkins "Download progress - Plugins" page. The left sidebar has links for "Updates", "Available plugins", "Installed plugins", "Advanced settings", and "Download progress" (which is selected). The right panel shows a list of Jenkins plugins with their download status:

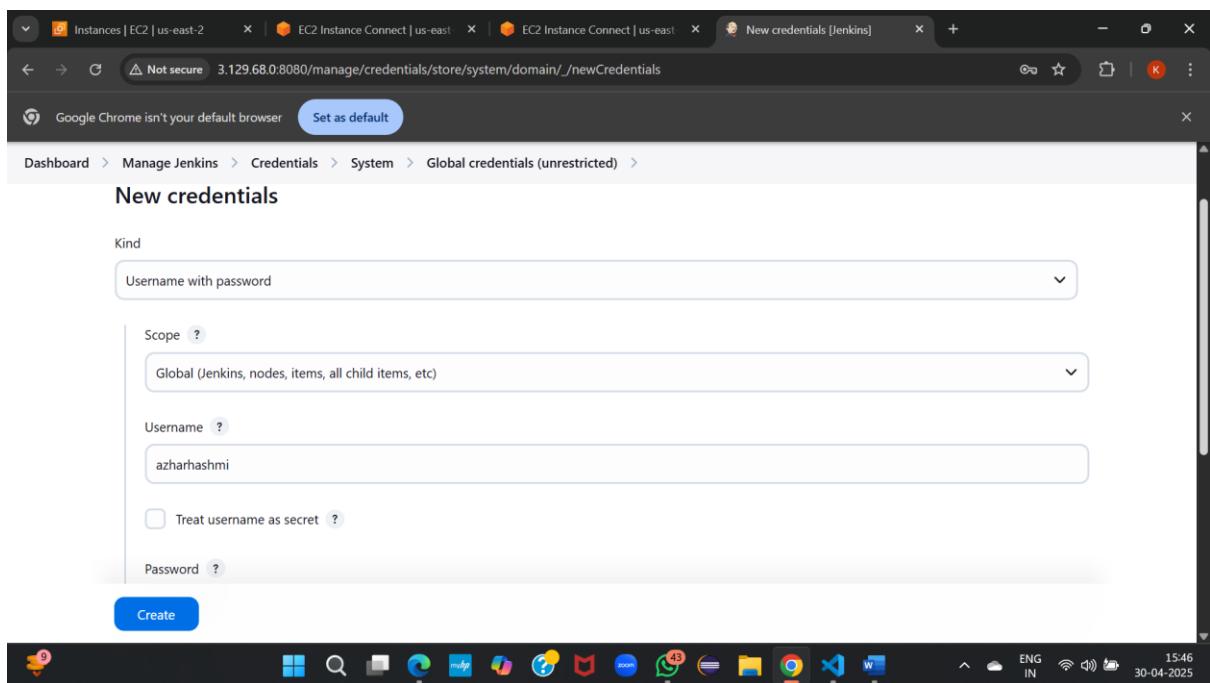
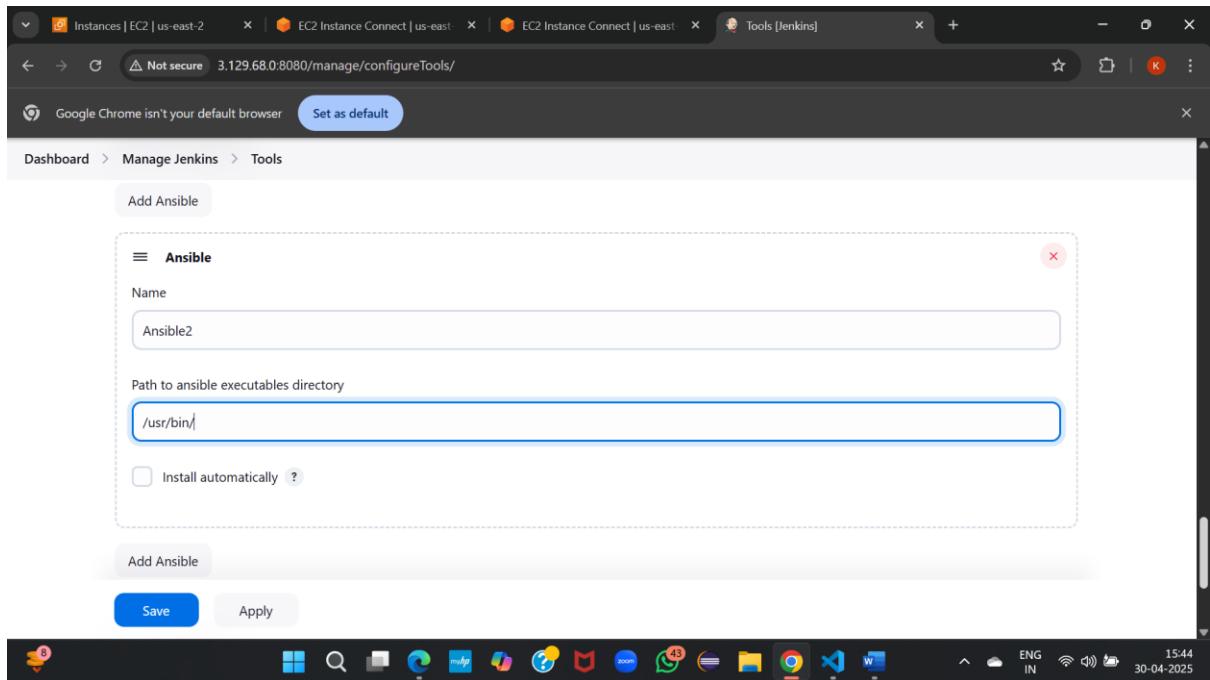
Plugin	Status
Pipeline: Step API	Success
Pipeline: SCM Step	Success
Pipeline: Job	Success
Pipeline: Basic Steps	Success
Pipeline: Stage Step	Success
Pipeline: Declarative	Success
Pipeline Graph Analysis	Success
Pipeline: REST API	Success
Pipeline: Stage View	Success
Generic Webhook Trigger	Success
Ansible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

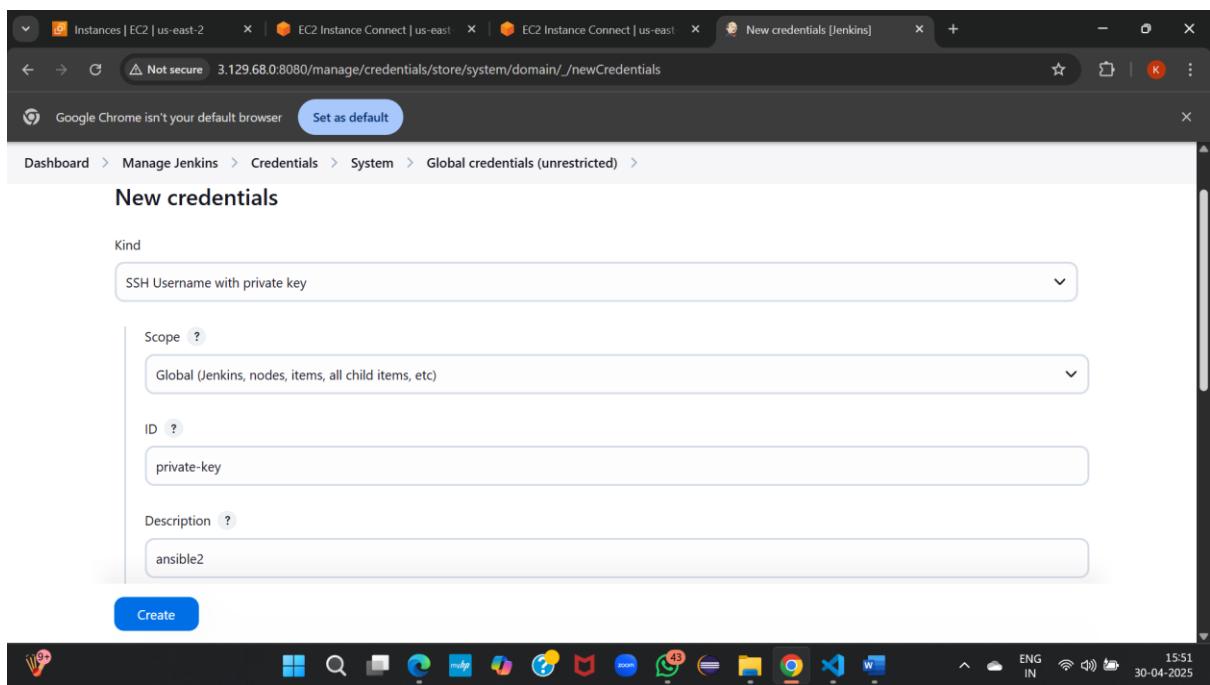
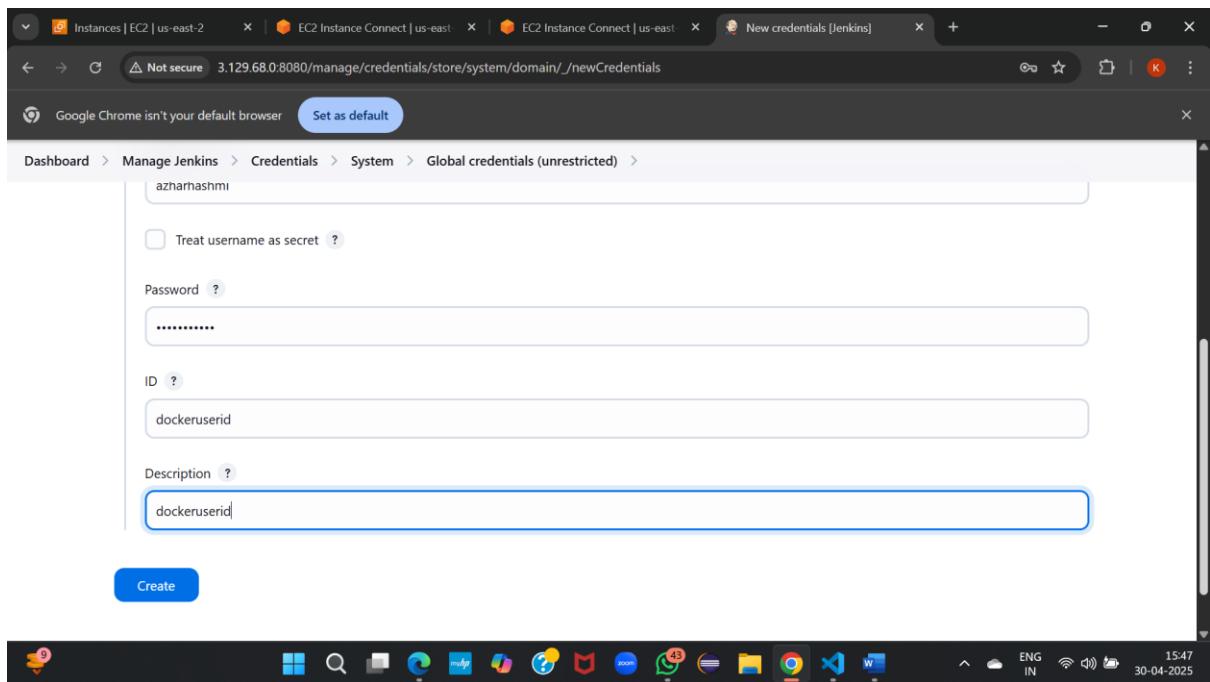
At the bottom of the right panel, there are two buttons: "→ Go back to the top page" and "→ Restart Jenkins when installation is complete and no jobs are running". The system tray at the bottom right shows "ENG IN" and the date "30-04-2025".



The screenshot shows a web browser window with the URL 3.129.68.0:8080/user/admin/security/. The page title is "Security [Jenkins]". The left sidebar has links for Account, Appearance, Preferences, Security (which is selected and highlighted in grey), Experiments, and Credentials. The main content area displays a message: "There are no registered tokens for this user." with a "Add new Token" button. Below this, there are fields for "Password" and "Confirm Password", both containing the value ".....". At the bottom are "Save" and "Apply" buttons. The browser's address bar shows "Not secure" and the IP address. The taskbar at the bottom includes icons for various applications like File Explorer, Edge, and FileZilla.

The screenshot shows a web browser window with the URL 3.129.68.0:8080/manage/configureTools/. The page title is "Tools [Jenkins]". The left sidebar has links for Dashboard, Manage Jenkins (which is selected and highlighted in grey), and Tools. The main content area shows a "Maven" configuration section. It has a "Name" field set to "Maven3" and an "Install automatically" checkbox checked. Under the "Install from Apache" section, the "Version" dropdown is set to "3.8.7". There is also an "Add Installer" button. At the bottom are "Save" and "Apply" buttons. The browser's address bar shows "Not secure" and the IP address. The taskbar at the bottom includes icons for various applications like File Explorer, Edge, and FileZilla.



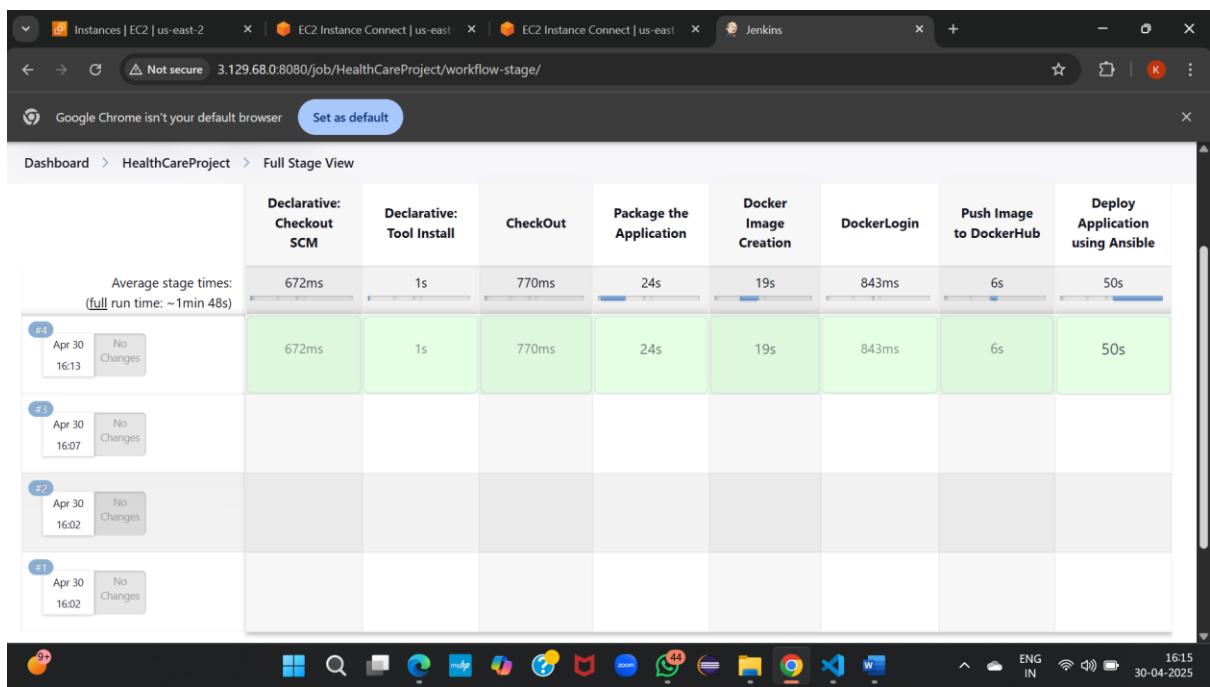
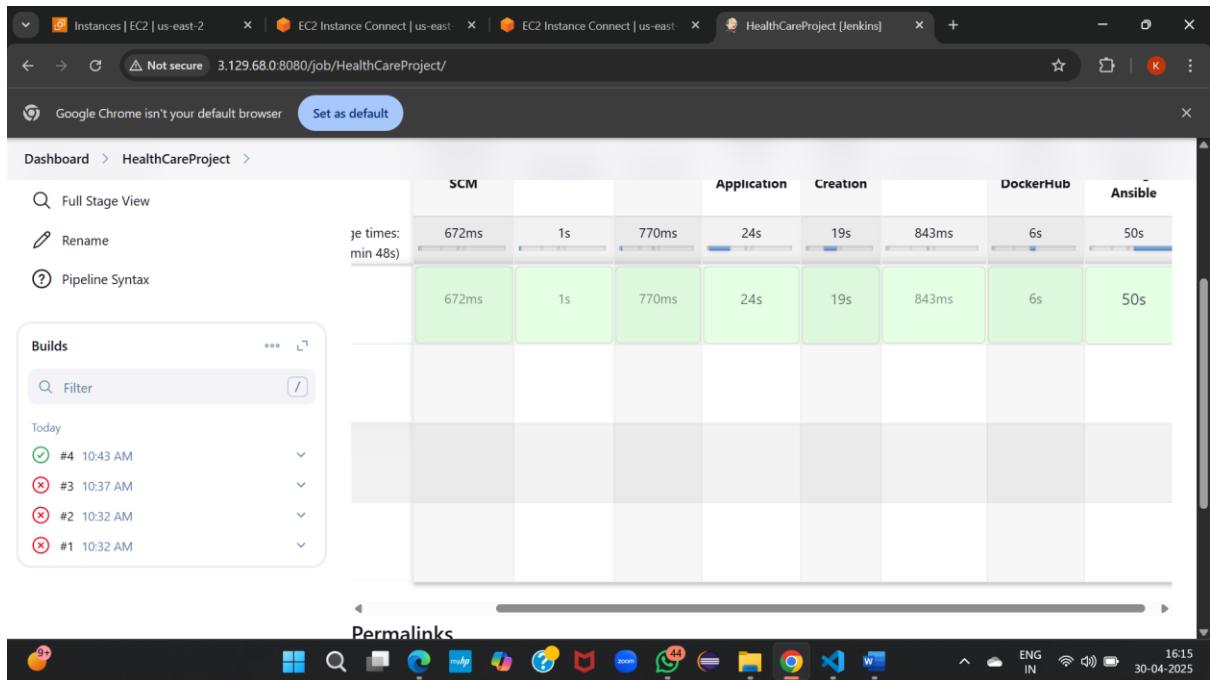


The screenshot shows the Jenkins Global credentials (unrestricted) page. A new credential named "ansible2" is being created. The "Username" field contains "ubuntu". The "Private Key" section is set to "Enter directly" and contains a long, encoded string:
aOuRhxkCgYA/O294Hq1rcduasUoiKorCIYu2PivKd22AbAz8cYvLU6P/C/FLN56B
GhCRN/iW8KUPUBZjDaDDgocL2PnoDasIhcQloY5bt5jpKVmOoAoAdRvQ9dYbk5
b4g6vtw/LQ706H095iPYLkjN/uBPFkaoxdx7ZI6hGsCM43u41Im5ug==

The screenshot shows the Jenkins New Item page. A new item named "HealthCareProject" is being created. The "Select an item type" section lists three options: "Freestyle project", "Maven project", and "Pipeline". The "Freestyle project" is selected. The "OK" button is visible at the bottom.

The screenshot shows the Jenkins Pipeline configuration page for the 'HealthCareProject' job. The 'Pipeline' tab is selected in the sidebar. The 'Definition' dropdown is set to 'Pipeline script from SCM'. Under 'SCM', 'Git' is selected. The 'Repository URL' field contains the value `https://github.com/Azharhashmi111/star-agile-health-care.git`. The bottom right corner of the window shows the date and time as 30-04-2025 at 15:53.

The screenshot shows the Jenkins Advanced configuration page for the 'HealthCareProject' job. The 'Advanced' tab is selected in the sidebar. The 'Script Path' field is set to `jenkinsfile`. The bottom right corner of the window shows the date and time as 30-04-2025 at 15:53.



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

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=us-east-2&connType=standard&instanceId=i-0ddeabbdacc0c0b48osU...

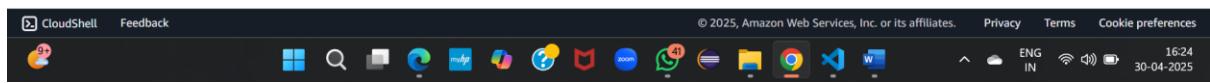
Google Chrome isn't your default browser Set as default

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

```
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: Wed Apr 30 09:55:24 2025 from 3.16.146.4  
ubuntu@ip-172-31-21-30:~$ sudo su  
root@ip-172-31-21-30:/home/ubuntu# su - devops  
devops@ip-172-31-21-30:~$ docker images  
REPOSITORY TAG IMAGE ID CREATED SIZE  
azharhashmi/medicure 5.0 e51100f62b12 10 minutes ago 695MB  
devops@ip-172-31-21-30:~$
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

Public IPs: 3.129.68.0 Private IPs: 172.31.21.30



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

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-044ca629c70602968osU...

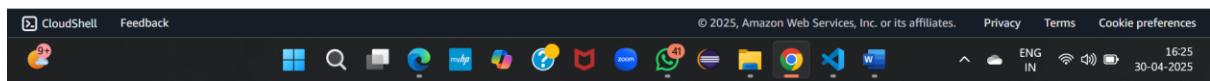
Google Chrome isn't your default browser Set as default

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

```
To see these additional updates run: apt list --upgradable  
1 additional security update can be applied with ESM Apps.  
Learn more about enabling ESM Apps service at https://ubuntu.com/esm  
  
Last login: Wed Apr 30 10:44:33 2025 from 172.31.21.30  
ubuntu@ip-172-31-30-100:~$ sudo su  
root@ip-172-31-30-100:/home/ubuntu# su - devops  
devops@ip-172-31-30-100:~$ sudo docker images  
REPOSITORY TAG IMAGE ID CREATED SIZE  
azharhashmi/medicure 5.0 e51100f62b12 11 minutes ago 695MB  
devops@ip-172-31-30-100:~$ sudo docker ps  
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS  
NAMES  
285c3271d051 azharhashmi/medicure:5.0 "java -jar /app.jar" 10 minutes ago Up 10 minutes 0.0.0.0:8089->8082/tcp, :::8089->8082/tcp  
p_great_borg  
devops@ip-172-31-30-100:~$
```

i-044ca629c70602968 (Prod Server)

Public IPs: 3.140.254.47 Private IPs: 172.31.30.100



Screenshot of the AWS CloudShell interface showing the AWS Management Console. The user is navigating through the EC2 service to edit inbound rules for a security group.

The current view is "Edit inbound rules" for the security group [sg-0a1ebd2841b449556 - common-security-group](#). The table lists two rules:

Security group rule ID	Type	Protocol	Port range	Source	Description - optional
sgr-00c4ee34d39f950ec	SSH	TCP	22	Cu... <input type="text" value="0.0.0.0/0"/>	0.0.0.0/0 <input type="button" value="Delete"/>
-	Custom TCP	TCP	8089	An... <input type="text" value="0.0.0.0/0"/>	0.0.0.0/0 <input type="button" value="Delete"/>

A warning message at the bottom states: "⚠ 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." Buttons for "Cancel", "Preview changes", and "Save rules" are visible.

The CloudShell toolbar includes icons for CloudShell, Feedback, and various AWS services like Lambda, S3, and CloudWatch.

Screenshot of a web browser displaying a healthcare website named "MEDICURE".

The URL in the address bar is <http://3.140.254.47:8089>. The page features a large banner with the text "WE PROVIDE BEST HEALTHCARE" and a doctor's image holding a stethoscope. A "Read More" button is visible on the left.

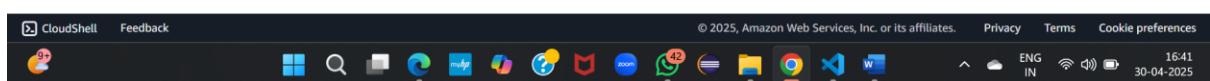
The navigation menu includes links for HOME, ABOUT, DEPARTMENTS, DOCTORS, and CONTACT US. The status bar at the bottom shows the date as 30-04-2025 and the time as 16:27.

The browser toolbar includes icons for CloudShell, Feedback, and various web services like Microsoft Edge, Google Chrome, and Mozilla Firefox.

```
root@ip-172-31-21-30:/home/ubuntu# wget https://raw.githubusercontent.com/akshu20791/Deployment-script/main/k8s-master.sh
ls -l
ls
chmod 777 k8s-master.sh
ls -l
./k8s-master.sh
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

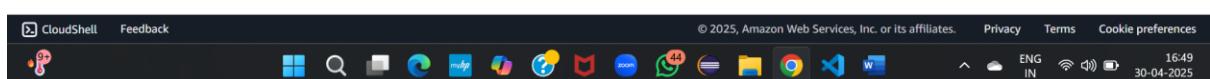
Public IPs: 3.129.68.0 Private IPs: 172.31.21.30

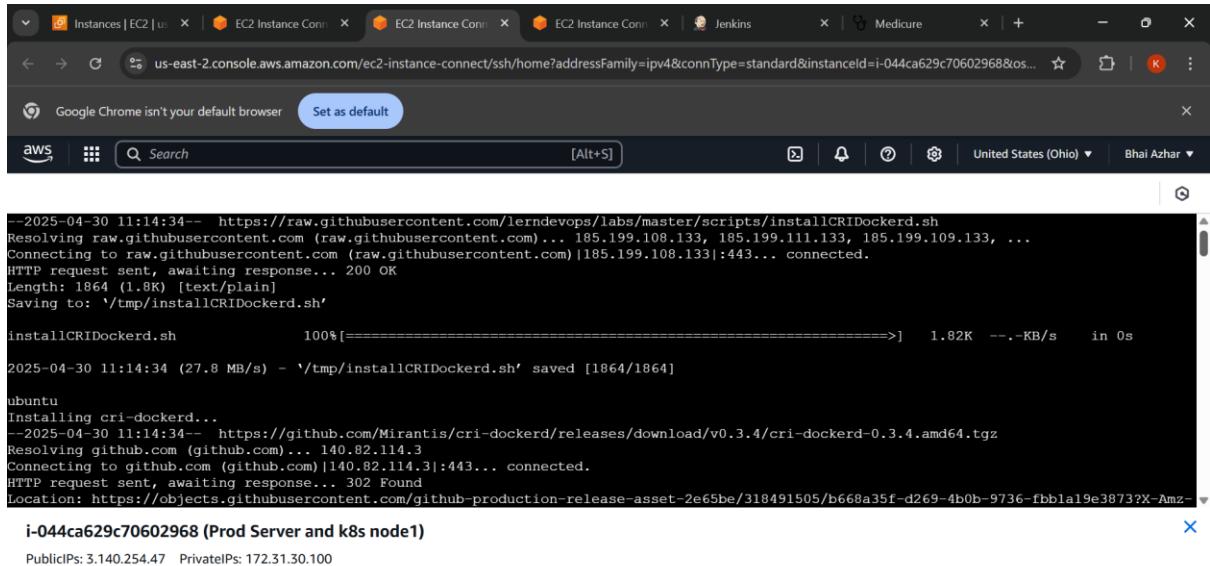


```
customresourcedefinition.apiextensions.k8s.io/globalnetworkpolicies.crd.projectcalico.org created
customresourcedefinition.apiextensions.k8s.io/globalnetworksets.crd.projectcalico.org created
customresourcedefinition.apiextensions.k8s.io/hostendpoints.crd.projectcalico.org created
customresourcedefinition.apiextensions.k8s.io/ipamblocks.crd.projectcalico.org created
customresourcedefinition.apiextensions.k8s.io/ipamconfigs.crd.projectcalico.org created
customresourcedefinition.apiextensions.k8s.io/ipamhandles.crd.projectcalico.org created
customresourcedefinition.apiextensions.k8s.io/ippools.crd.projectcalico.org created
customresourcedefinition.apiextensions.k8s.io/ipreservations.crd.projectcalico.org created
customresourcedefinition.apiextensions.k8s.io/kubecontrollersconfigurations.crd.projectcalico.org created
customresourcedefinition.apiextensions.k8s.io/networkpolicies.crd.projectcalico.org created
customresourcedefinition.apiextensions.k8s.io/networksets.crd.projectcalico.org created
clusterrole.rbac.authorization.k8s.io/calico-kube-controllers created
clusterrole.rbac.authorization.k8s.io/calico-node created
clusterrolebinding.rbac.authorization.k8s.io/calico-kube-controllers created
clusterrolebinding.rbac.authorization.k8s.io/calico-node created
daemonset.apps/calico-node created
deployment.apps/calico-kube-controllers created
root@ip-172-31-21-30:/home/ubuntu#
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

Public IPs: 3.129.68.0 Private IPs: 172.31.21.30



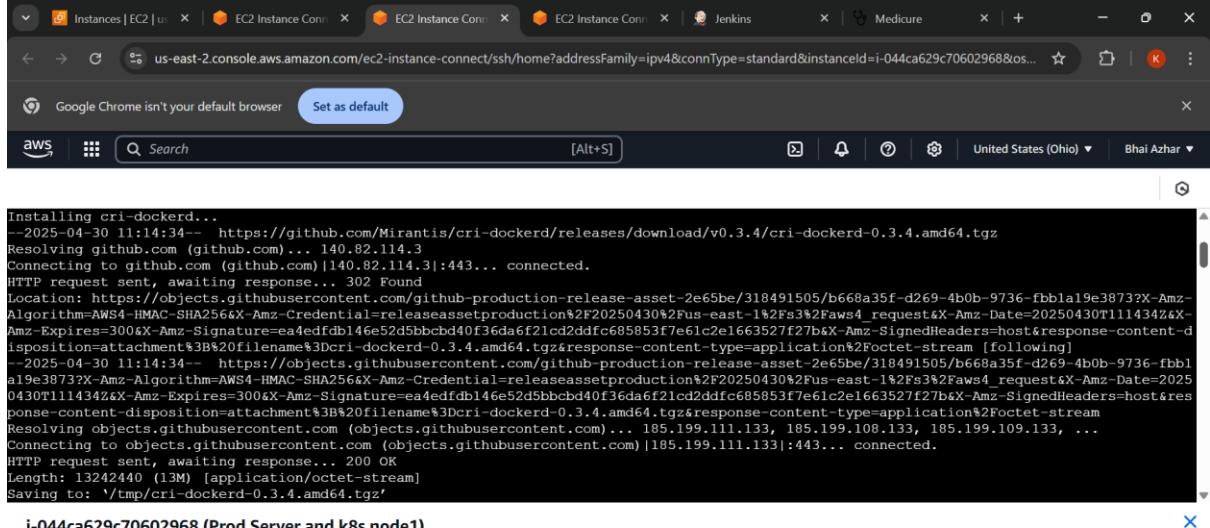
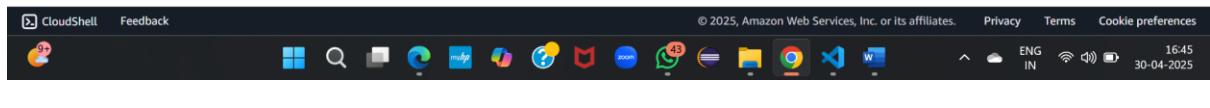


--2025-04-30 11:14:34-- https://raw.githubusercontent.com/lerndevops/labs/master/scripts/installCRIDockerd.sh
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.108.133, 185.199.111.133, 185.199.109.133, ...
Connecting to raw.githubusercontent.com (raw.githubusercontent.com) |185.199.108.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1864 (1.8K) [text/plain]
Saving to: '/tmp/installCRIDockerd.sh'

installCRIDockerd.sh 100%[=====] 1.82K --.-KB/s in 0s
2025-04-30 11:14:34 (27.8 MB/s) - '/tmp/installCRIDockerd.sh' saved [1864/1864]

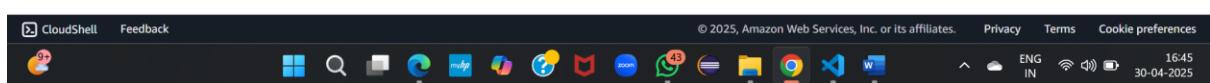
ubuntu
Installing cri-dockerd...
--2025-04-30 11:14:34-- https://github.com/Mirantis/cri-dockerd/releases/download/v0.3.4/cri-dockerd-0.3.4.amd64.tgz
Resolving github.com (github.com)... 140.82.114.3
Connecting to github.com (github.com) |140.82.114.3|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/318491505/b668a35f-d269-4b0b-9736-fbb1a19e3873?X-Amz-

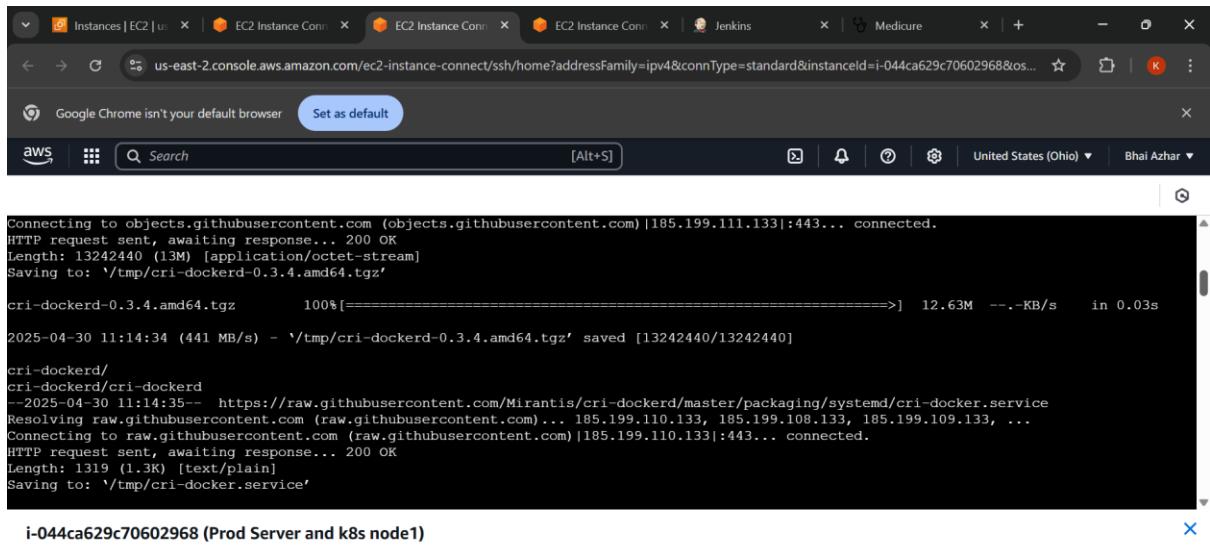
i-044ca629c70602968 (Prod Server and k8s node1)
PublicIPs: 3.140.254.47 PrivateIPs: 172.31.30.100



Installing cri-dockerd...
--2025-04-30 11:14:34-- https://github.com/Mirantis/cri-dockerd/releases/download/v0.3.4/cri-dockerd-0.3.4.amd64.tgz
Resolving github.com (github.com)... 140.82.114.3
Connecting to github.com (github.com) |140.82.114.3|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/318491505/b668a35f-d269-4b0b-9736-fbb1a19e3873?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250430%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250430T111434Z&X-Amz-Expires=300&X-Amz-Signature=ea4edfdb146e52d5bbcb40f36da6f21cd2ddfc685853f7e61c2e1663527f27b&X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dcri-dockerd-0.3.4.amd64.tgz&response-content-type=application%2Foctet-stream [following]
--2025-04-30 11:14:34-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/318491505/b668a35f-d269-4b0b-9736-fbb1a19e3873?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250430%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250430T111434Z&X-Amz-Expires=300&X-Amz-Signature=ea4edfdb146e52d5bbcb40f36da6f21cd2ddfc685853f7e61c2e1663527f27b&X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dcri-dockerd-0.3.4.amd64.tgz&response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.111.133, 185.199.108.133, 185.199.109.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com) |185.199.111.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 13242440 (13M) [application/octet-stream]
Saving to: '/tmp/cri-dockerd-0.3.4.amd64.tgz'

i-044ca629c70602968 (Prod Server and k8s node1)
PublicIPs: 3.140.254.47 PrivateIPs: 172.31.30.100





```
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)|185.199.111.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 13242440 (13M) [application/octet-stream]
Saving to: '/tmp/cri-dockerd-0.3.4.amd64.tgz'

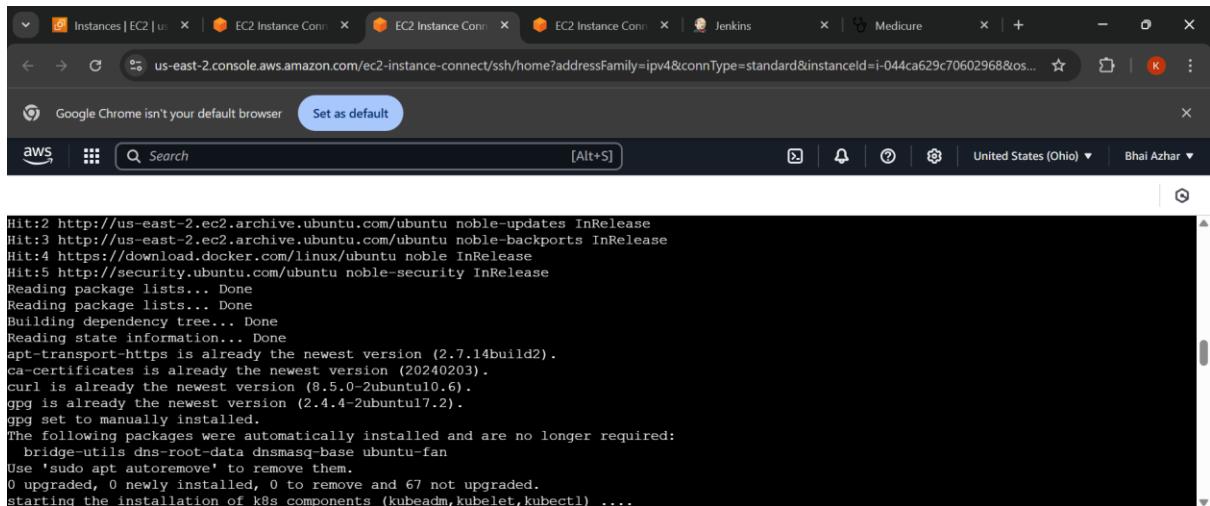
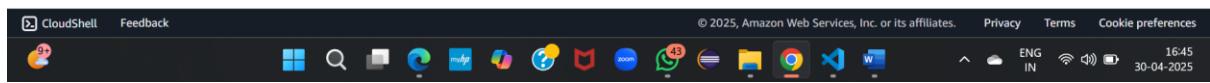
cri-dockerd-0.3.4.amd64.tgz      100%[=====] 12.63M --.-KB/s   in 0.03s

2025-04-30 11:14:34 (441 MB/s) - '/tmp/cri-dockerd-0.3.4.amd64.tgz' saved [13242440/13242440]

cri-dockerd/
cri-dockerd/cri-dockerd
--2025-04-30 11:14:35-- https://raw.githubusercontent.com/Mirantis/cri-dockerd/master/packaging/systemd/cri-docker.service
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.110.133, 185.199.108.133, 185.199.109.133, ...
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|185.199.110.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1319 (1.3K) [text/plain]
Saving to: '/tmp/cri-docker.service'
```

i-044ca629c70602968 (Prod Server and k8s node1)

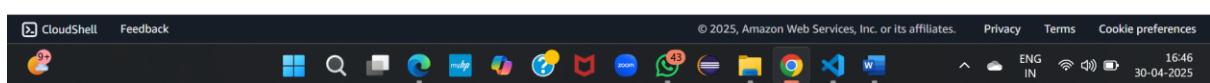
PublicIPs: 3.140.254.47 PrivateIPs: 172.31.30.100

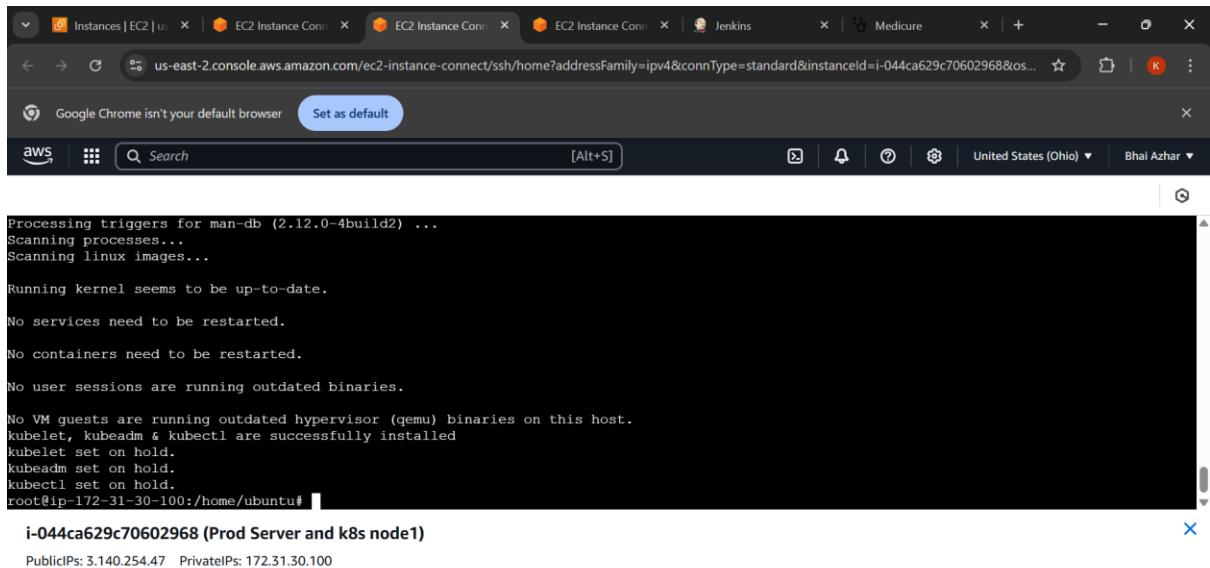


```
Hit:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:4 https://download.docker.com/linux/ubuntu noble InRelease
Hit:5 http://security.ubuntu.com/ubuntu noble-security InRelease
Reading package lists... Done
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apt-transport-https is already the newest version (2.7.14build2).
ca-certificates is already the newest version (20240203).
curl is already the newest version (8.5.0-2ubuntu10.6).
gpg is already the newest version (2.4.4-2ubuntu17.2).
gpg set to manually installed.
The following packages were automatically installed and are no longer required:
  bridge-utils dns-root-data dnsmasq-base ubuntu-fan
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 67 not upgraded.
Starting the installation of k8s components (kubeadm, kubelet, kubectl) ....
```

i-044ca629c70602968 (Prod Server and k8s node1)

PublicIPs: 3.140.254.47 PrivateIPs: 172.31.30.100



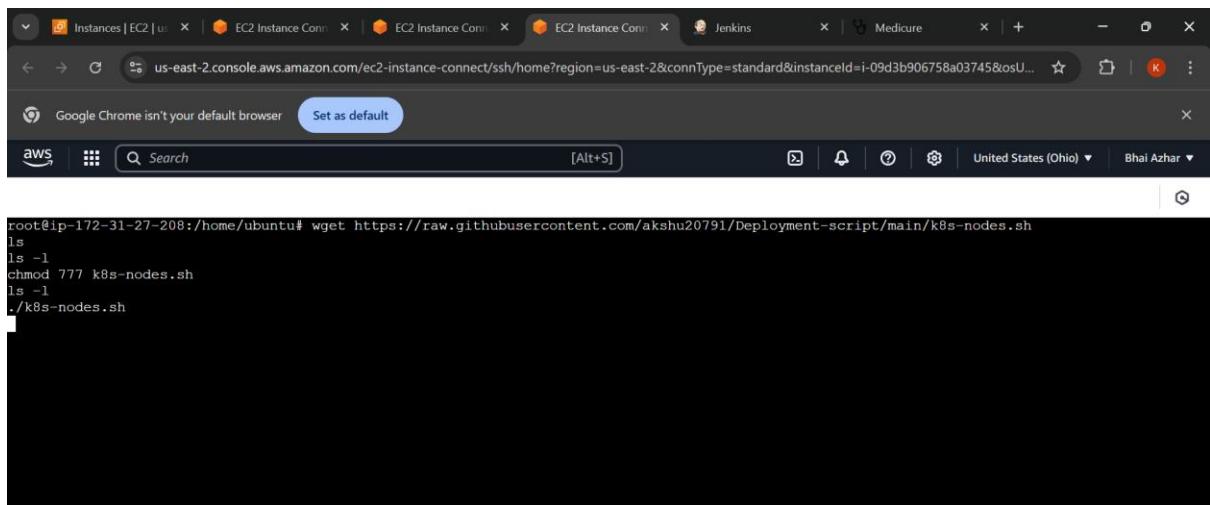


```
Processing triggers for man-db (2.12.0-4build2) ...
Scanning processes...
Scanning linux images...
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
kubelet, kubeadm & kubectl are successfully installed
kubelet set on hold.
kubeadm set on hold.
kubectl set on hold.
root@ip-172-31-30-100:/home/ubuntu#
```

i-044ca629c70602968 (Prod Server and k8s node1)

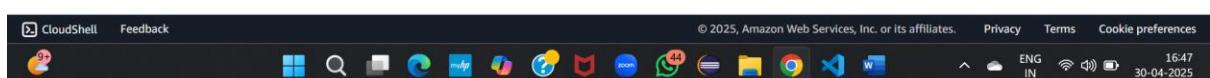
Public IPs: 3.140.254.47 Private IPs: 172.31.30.100



```
root@ip-172-31-27-208:/home/ubuntu# wget https://raw.githubusercontent.com/akshu20791/Deployment-script/main/k8s-nodes.sh
ls
ls -l
chmod 777 k8s-nodes.sh
ls -l
./k8s-nodes.sh
```

i-09d3b906758a03745 (Grafana Server and k8s node2)

Public IPs: 18.221.7.169 Private IPs: 172.31.27.208



Instances | EC2 | us | EC2 Instance Conn | EC2 Instance Conn | EC2 Instance Conn | Jenkins | Medicare | - | + | × | ↻ | ⌂ | K | ⋮

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=us-east-2&connType=standard&instanceId=i-09d3b906758a03745&osU... ☆ | ↻ | ⌂ | K | ⋮

Google Chrome isn't your default browser Set as default

aws | Search [Alt+S] | [Alt+S]

United States (Ohio) | Bhai Azhar

```
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.

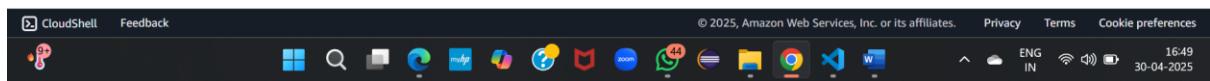
No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
kubelet, kubeadm & kubectl are successfully installed
kubelet set on hold.
kubeadm set on hold.
kubectl set on hold.
root@ip-172-31-27-208:/home/ubuntu#
```

i-09d3b906758a03745 (Grafana Server and k8s node2)

PublicIPs: 18.221.7.169 PrivateIPs: 172.31.27.208



Instances | EC2 | us | EC2 Instance Conn | EC2 Instance Conn | EC2 Instance Conn | Jenkins | Medicare | - | + | × | ↻ | ⌂ | K | ⋮

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-044ca629c70602968&osU... ☆ | ↻ | ⌂ | K | ⋮

Google Chrome isn't your default browser Set as default

aws | Search [Alt+S] | [Alt+S]

United States (Ohio) | Bhai Azhar

```
Running kernel seems to be up-to-date.

No services need to be restarted.

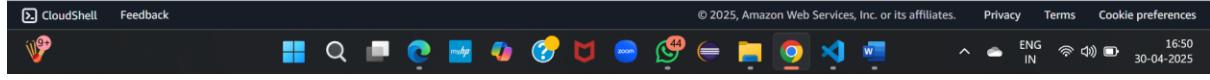
No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
kubelet, kubeadm & kubectl are successfully installed
kubelet set on hold.
kubeadm set on hold.
kubectl set on hold.
root@ip-172-31-30-100:/home/ubuntu# modprobe br_netfilter
echo 1 > /proc/sys/net/bridge/bridge-nf-call-iptables
echo 1 > /proc/sys/net/ipv4/ip_forward
root@ip-172-31-30-100:/home/ubuntu#
```

i-044ca629c70602968 (Prod Server and k8s node1)

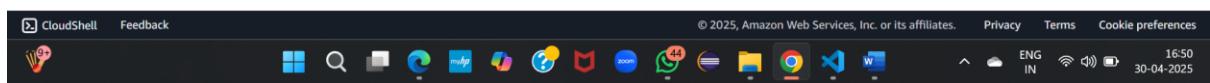
PublicIPs: 3.140.254.47 PrivateIPs: 172.31.30.100



```
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.  
kubelet, kubeadm & kubectl are successfully installed  
kubelet set on hold.  
kubeadm set on hold.  
kubectl set on hold.  
root@ip-172-31-27-208:/home/ubuntu# modprobe br_netfilter  
echo 1 > /proc/sys/net/bridge/bridge-nf-call-iptables  
echo 1 > /proc/sys/net/ipv4/ip_forward  
root@ip-172-31-27-208:/home/ubuntu#
```

i-09d3b906758a03745 (Grafana Server and k8s node2)

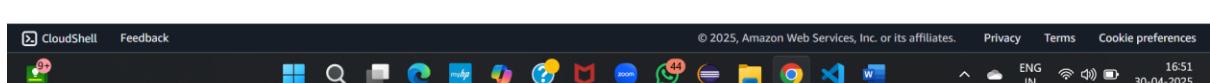
Public IPs: 18.221.7.169 Private IPs: 172.31.27.208

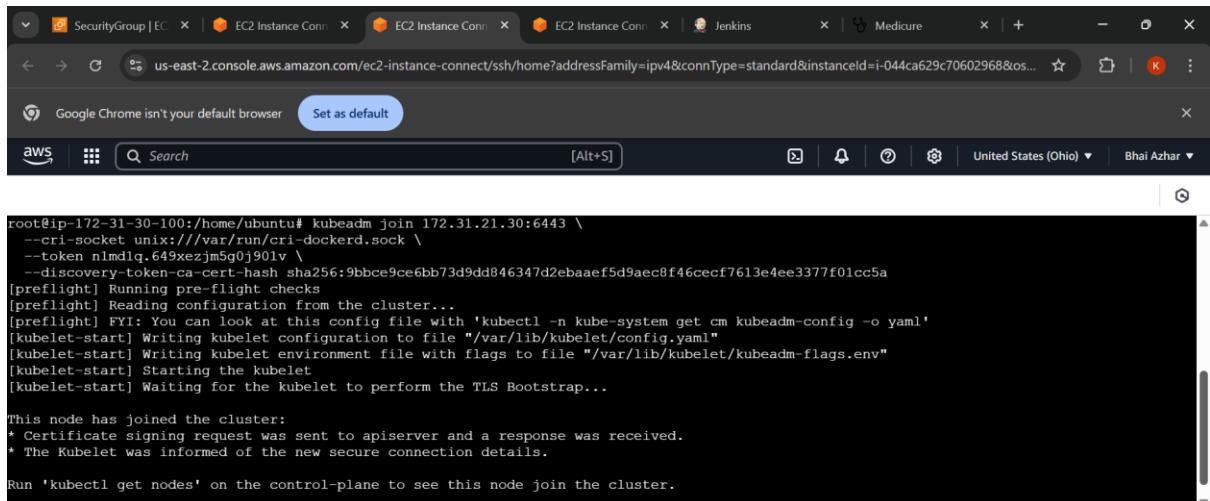


```
customresourcedefinition.apirextensions.k8s.io/ipamblocks.crd.projectcalico.org created  
customresourcedefinition.apirextensions.k8s.io/ipamconfigs.crd.projectcalico.org created  
customresourcedefinition.apirextensions.k8s.io/ipamhandles.crd.projectcalico.org created  
customresourcedefinition.apirextensions.k8s.io/ippools.crd.projectcalico.org created  
customresourcedefinition.apirextensions.k8s.io/irp-reservations.crd.projectcalico.org created  
customresourcedefinition.apirextensions.k8s.io/kubecontrollerconfigurations.crd.projectcalico.org created  
customresourcedefinition.apirextensions.k8s.io/networkpolicies.crd.projectcalico.org created  
customresourcedefinition.apirextensions.k8s.io/networksets.crd.projectcalico.org created  
clusterrole.rbac.authorization.k8s.io/calico-kube-controllers created  
clusterrole.rbac.authorization.k8s.io/calico-node created  
clusterrolebinding.rbac.authorization.k8s.io/calico-kube-controllers created  
clusterrolebinding.rbac.authorization.k8s.io/calico-node created  
daemonset.apps/calico-node created  
deployment.apps/calico-kube-controllers created  
root@ip-172-31-21-30:/home/ubuntu# kubeadm token create --print-join-command  
kubeadm join 172.31.21.30:6443 --token nlmdlq.649xzejm5g0j901v --discovery-token-ca-cert-hash sha256:9bbce9ce6bb73d9dd846347d2ebaaef5d9aec  
8f46cccf7613e4ee3377f01cc5a  
root@ip-172-31-21-30:/home/ubuntu#
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

Public IPs: 3.129.68.0 Private IPs: 172.31.21.30





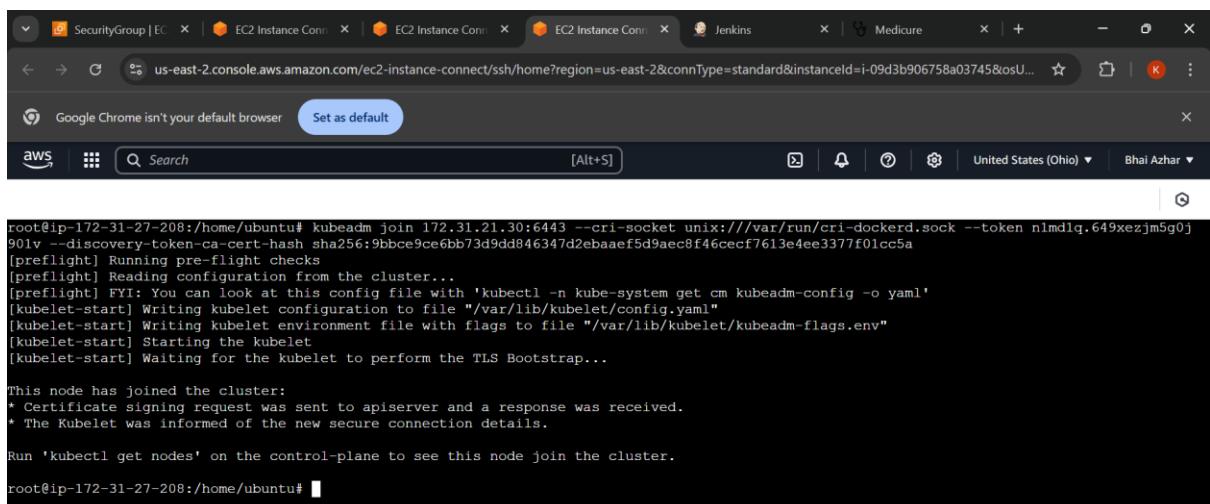
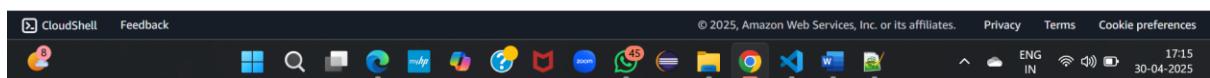
```
root@ip-172-31-30-100:/home/ubuntu# kubeadm join 172.31.21.30:6443 \
--cri-socket unix:///var/run/cri-dockerd.sock \
--token nlmdlq.649xezjm5g0j901v \
--discovery-token-ca-cert-hash sha256:9bbce9ce6bb73d9dd846347d2ebaaef5d9aec8f46cecf7613e4ee3377f01cc5a
[preflight] Running pre-flight checks
[preflight] Reading configuration from the cluster...
[preflight] FYI: You can look at this config file with 'kubectl -n kube-system get cm kubeadm-config -o yaml'
[kubelet-start] Writing kubelet configuration to file "/var/lib/kubelet/config.yaml"
[kubelet-start] Writing kubelet environment file with flags to file "/var/lib/kubelet/kubeadm-flags.env"
[kubelet-start] Starting the kubelet
[kubelet-start] Waiting for the kubelet to perform the TLS Bootstrap...

This node has joined the cluster:
* Certificate signing request was sent to apiserver and a response was received.
* The Kubelet was informed of the new secure connection details.

Run 'kubectl get nodes' on the control-plane to see this node join the cluster.
```

i-044ca629c70602968 (Prod Server and k8s node1)

PublicIPs: 3.140.254.47 PrivateIPs: 172.31.30.100



```
root@ip-172-31-27-208:/home/ubuntu# kubeadm join 172.31.21.30:6443 --cri-socket unix:///var/run/cri-dockerd.sock --token nlmdlq.649xezjm5g0j901v --discovery-token-ca-cert-hash sha256:9bbce9ce6bb73d9dd846347d2ebaaef5d9aec8f46cecf7613e4ee3377f01cc5a
[preflight] Running pre-flight checks
[preflight] Reading configuration from the cluster...
[preflight] FYI: You can look at this config file with 'kubectl -n kube-system get cm kubeadm-config -o yaml'
[kubelet-start] Writing kubelet configuration to file "/var/lib/kubelet/config.yaml"
[kubelet-start] Writing kubelet environment file with flags to file "/var/lib/kubelet/kubeadm-flags.env"
[kubelet-start] Starting the kubelet
[kubelet-start] Waiting for the kubelet to perform the TLS Bootstrap...

This node has joined the cluster:
* Certificate signing request was sent to apiserver and a response was received.
* The Kubelet was informed of the new secure connection details.

Run 'kubectl get nodes' on the control-plane to see this node join the cluster.
```

i-09d3b906758a03745 (Grafana Server and k8s node2)

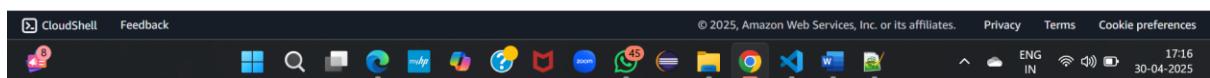
PublicIPs: 18.221.7.169 PrivateIPs: 172.31.27.208



```
root@ip-172-31-21-30:/home/ubuntu# kubectl get nodes
NAME           STATUS   ROLES      AGE    VERSION
ip-172-31-21-30 Ready    control-plane   32m   v1.29.15
ip-172-31-27-208 Ready    <none>     10m   v1.29.15
ip-172-31-30-100 Ready    <none>     83s   v1.29.15
root@ip-172-31-21-30:/home/ubuntu# vi deploymentservice.yaml
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

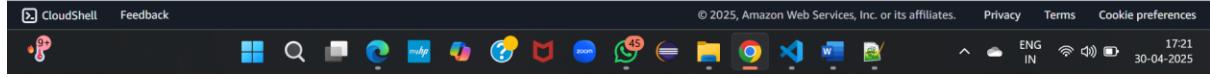
PublicIPs: 3.129.68.0 PrivateIPs: 172.31.21.30

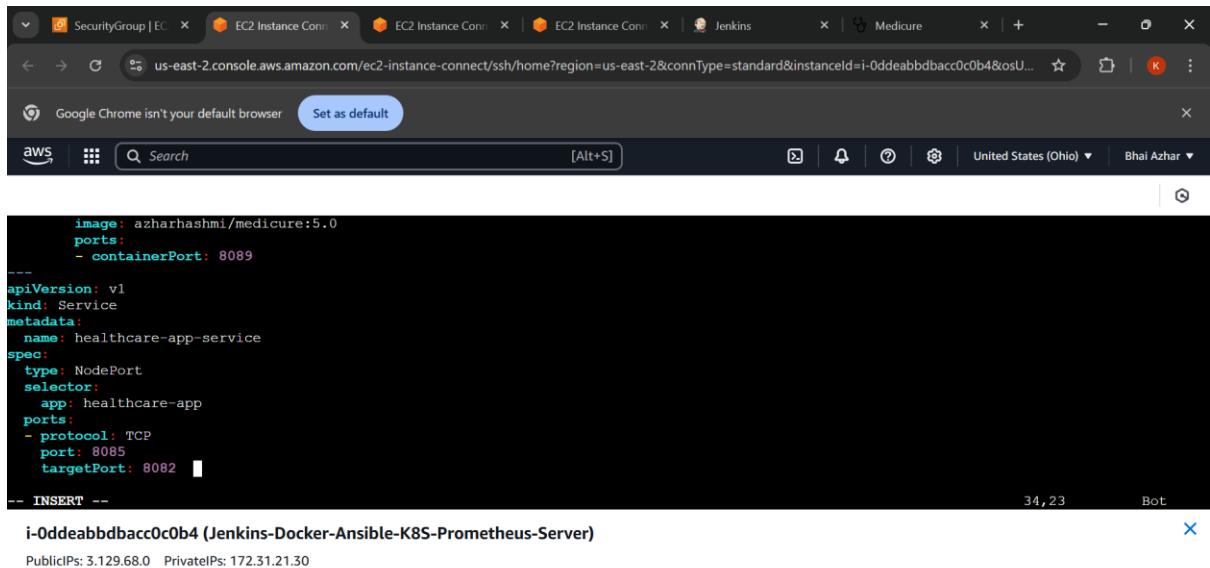


```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: capstone-app-deployment
  labels:
    app: healthcare-app
spec:
  replicas: 3
  selector:
    matchLabels:
      app: healthcare-app
  template:
    metadata:
      labels:
        app: healthcare-app
    spec:
      containers:
-- INSERT --
```

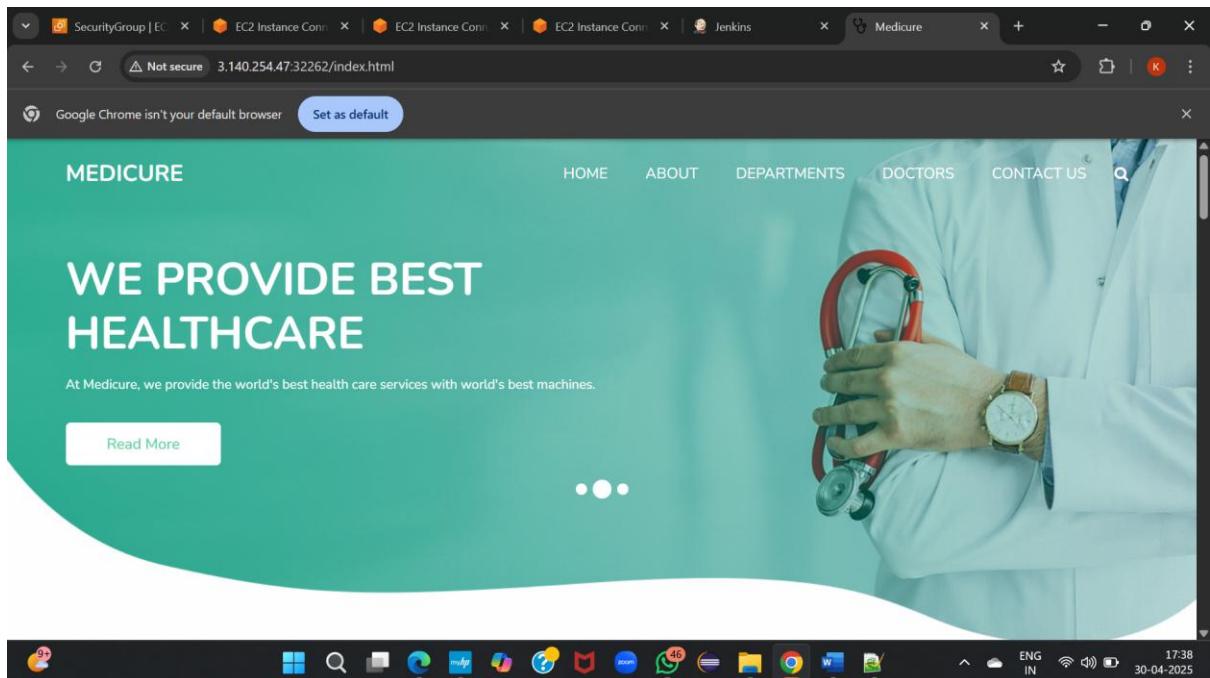
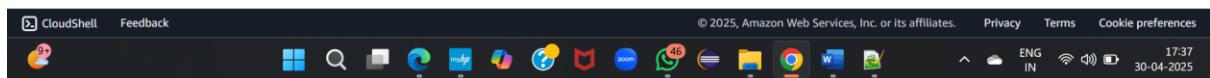
i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

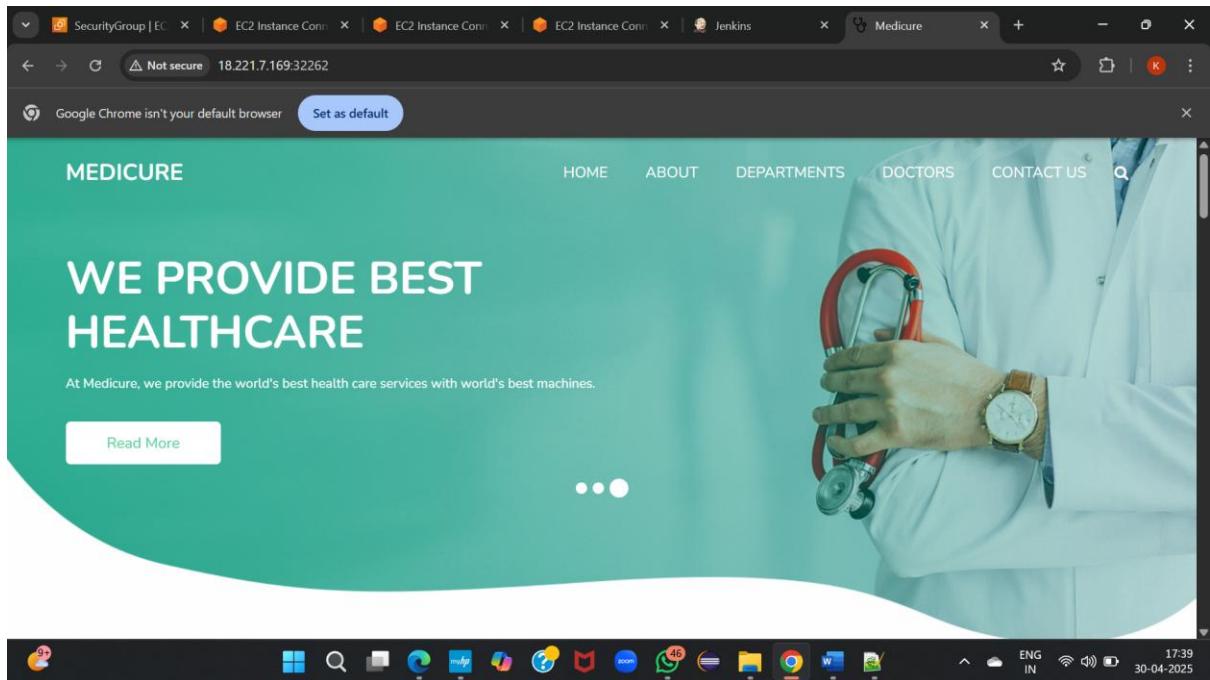
PublicIPs: 3.129.68.0 PrivateIPs: 172.31.21.30





```
image: azharhashmi/medicure:5.0
ports:
- containerPort: 8089
---
apiVersion: v1
kind: Service
metadata:
  name: healthcare-app-service
spec:
  type: NodePort
  selector:
    app: healthcare-app
  ports:
  - protocol: TCP
    port: 8085
    targetPort: 8082
-- INSERT --
i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)
PublicIPs: 3.129.68.0 PrivateIPs: 172.31.21.30
```





```
root@ip-172-31-21-30:/home/ubuntu# curl https://raw.githubusercontent.com/helm/helm/master/scripts/get-helm-3 | bash
% Total    % Received % Xferd  Average Speed   Time     Time      Current
          Dload  Upload Total   Spent    Left  Speed
100 11913  100 11913    0      0  258k      0 --:--:--:--:--:-- 264k
Downloaded https://get.helm.sh/helm-v3.17.3-linux-amd64.tar.gz
Verifying checksum... Done.
Preparing to install helm into /usr/local/bin/helm
helm installed into /usr/local/bin/helm
root@ip-172-31-21-30:/home/ubuntu# helm repo add prometheus-community https://prometheus-community.github.io/helm-charts
helm repo update
"prometheus-community" has been added to your repositories
Hang tight while we grab the latest from your chart repositories...
...Successfully got an update from the "prometheus-community" chart repository
Update Complete. *Happy Helm-ing!
root@ip-172-31-21-30:/home/ubuntu# helm install prometheus prometheus-community/kube-prometheus-stack --namespace monitoring --create-namespace
NAME: prometheus
i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)
```

PublicIPs: 3.129.68.0 PrivateIPs: 172.31.21.30



```
NAME: prometheus
LAST DEPLOYED: Wed Apr 30 13:51:43 2025
NAMESPACE: monitoring
STATUS: deployed
REVISION: 1
NOTES:
kube-prometheus-stack has been installed. Check its status by running:
  kubectl --namespace monitoring get pods -l "release=prometheus"

Get Grafana 'admin' user password by running:

  kubectl --namespace monitoring get secrets prometheus-grafana -o jsonpath=".data.admin-password" | base64 -d ; echo

Access Grafana local instance:

  export POD_NAME=$(kubectl --namespace monitoring get pod -l "app.kubernetes.io/name=grafana,app.kubernetes.io/instance=prometheus" -oname)
  kubectl --namespace monitoring port-forward $POD_NAME 3000
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

Public IPs: 3.129.68.0 Private IPs: 172.31.21.30

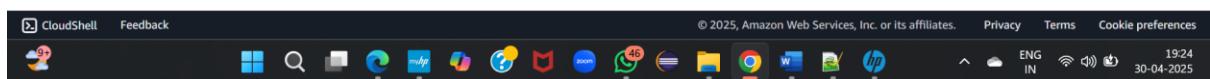


```
export POD_NAME=$(kubectl --namespace monitoring get pod -l "app.kubernetes.io/name=grafana,app.kubernetes.io/instance=prometheus" -oname)
kubectl --namespace monitoring port-forward $POD_NAME 3000

Visit https://github.com/prometheus-operator/kube-prometheus for instructions on how to create & configure Alertmanager and Prometheus instances using the Operator.
root@ip-172-31-21-30:/home/ubuntu#
root@ip-172-31-21-30:/home/ubuntu# kubectl get pods -n monitoring
NAME                      READY   STATUS    RESTARTS   AGE
alertmanager-prometheus-kube-prometheus-alertmanager-0   2/2     Running   0          2m24s
prometheus-grafana-84b84bd765-xhlx7                     3/3     Running   0          2m35s
prometheus-kube-prometheus-operator-56dd5b955-6gzgl      1/1     Running   0          2m35s
prometheus-kube-state-metrics-6787cc559f-4pp9q           1/1     Running   0          2m35s
prometheus-prometheus-kube-prometheus-prometheus-0       2/2     Running   0          106s
prometheus-prometheus-node-exporter-8xvr2                 1/1     Running   0          2m35s
prometheus-prometheus-node-exporter-kgkcv                 1/1     Running   0          2m35s
prometheus-prometheus-node-exporter-qn4nf                 1/1     Running   0          2m35s
root@ip-172-31-21-30:/home/ubuntu#
```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

Public IPs: 3.129.68.0 Private IPs: 172.31.21.30



```

prometheus-kube-prometheus-operator-56dd5b955-6gzgl    1/1   Running   0      2m35s
prometheus-kube-state-metrics-6787cc559f-4pp9q       1/1   Running   0      2m35s
prometheus-prometheus-kube-prometheus-prometheus-0   2/2   Running   0      106s
prometheus-prometheus-node-exporter-8xvr2            1/1   Running   0      2m35s
prometheus-prometheus-node-exporter-kgkcv             1/1   Running   0      2m35s
prometheus-prometheus-node-exporter-qn4nf             1/1   Running   0      2m35s
root@ip-172-31-21-30:/home/ubuntu# kubectl get all
NAME                               READY   STATUS    RESTARTS   AGE
pod/capstone-app-deployment-79cc44896f-24fgg        0/1    Evicted   0        2m21s
pod/capstone-app-deployment-79cc44896f-2b5xk        0/1    Evicted   0        2m20s
pod/capstone-app-deployment-79cc44896f-2klng6       0/1    Evicted   0        2m21s
pod/capstone-app-deployment-79cc44896f-2qwgs        0/1    Evicted   0        2m19s
pod/capstone-app-deployment-79cc44896f-48d8l        0/1    Evicted   0        2m21s
pod/capstone-app-deployment-79cc44896f-4lw1v        0/1    Evicted   0        2m20s
pod/capstone-app-deployment-79cc44896f-4mh67        0/1    Evicted   0        2m23s
pod/capstone-app-deployment-79cc44896f-4x966        0/1    ContainerStatusUnknown 1        120m
pod/capstone-app-deployment-79cc44896f-5wtxc         0/1    Evicted   0        2m21s
pod/capstone-app-deployment-79cc44896f-695vx        0/1    Evicted   0        2m23s

```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

PublicIPs: 3.129.68.0 PrivateIPs: 172.31.21.30



```

pod/grafana-589c8b49d8-mllhf      1/1   Running   0      44m
pod/prometheus-deployment-64b679658-nwdz9     1/1   Running   0      45m

```

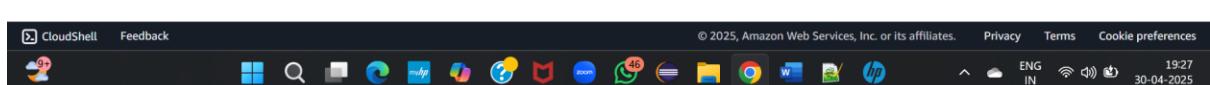
NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
service/grafana-service	NodePort	10.110.11.145	<none>	3000:30300/TCP	44m
service/healthcare-app-service	NodePort	10.99.92.177	<none>	8085:32262/TCP	120m
service/kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	162m
service/prometheus-service	NodePort	10.111.186.174	<none>	9090:30090/TCP	45m

NAME	READY	UP-TO-DATE	AVAILABLE	AGE
deployment.apps/capstone-app-deployment	3/3	3	3	120m
deployment.apps/grafana	1/1	1	1	44m
deployment.apps/prometheus-deployment	1/1	1	1	45m

NAME	DESIRED	CURRENT	READY	AGE
replicaset.apps/capstone-app-deployment-79cc44896f	3	3	3	120m
replicaset.apps/grafana-589c8b49d8	1	1	1	44m
replicaset.apps/prometheus-deployment-64b679658	1	1	1	45m

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

PublicIPs: 3.129.68.0 PrivateIPs: 172.31.21.30



```

deployment.apps/grafana      1/1     1       1       44m
deployment.apps/prometheus-deployment   1/1     1       1       45m

NAME                           DESIRED   CURRENT   READY   AGE
replicaset.apps/capstone-app-deployment-79cc44896f  3         3       3      120m
replicaset.apps/grafana-589c8b49d8    1         1       1      44m
replicaset.apps/prometheus-deployment-64b679658  1         1       1      45m
root@ip-172-31-21-30:/home/ubuntu# kubectl get svc -n monitoring
NAME            TYPE        CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
alertmanager-operated  ClusterIP   <none>        <none>        9093/TCP,9094/TCP,9094/UDP   6m1s
prometheus-grafana     ClusterIP   10.106.81.35  <none>        80/TCP           6m12s
prometheus-kube-prometheus-alertmanager ClusterIP  10.102.93.119 <none>        9093/TCP,8080/TCP   6m12s
prometheus-kube-prometheus-operator     ClusterIP  10.108.158.208 <none>        443/TCP          6m12s
prometheus-kube-prometheus-prometheus ClusterIP  10.105.106.228 <none>        9090/TCP,8080/TCP   6m12s
prometheus-kube-state-metrics       ClusterIP  10.104.121.131 <none>        8080/TCP          6m12s
prometheus-operated             ClusterIP   None          <none>        9090/TCP          6m1s
prometheus-prometheus-node-exporter ClusterIP  10.109.161.67  <none>        9100/TCP          6m12s
root@ip-172-31-21-30:/home/ubuntu#

```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

Public IPs: 3.129.68.0 Private IPs: 172.31.21.30



```

prometheus-grafana     ClusterIP   10.106.81.35  <none>        80/TCP           6m12s
prometheus-kube-prometheus-alertmanager ClusterIP  10.102.93.119 <none>        9093/TCP,8080/TCP   6m12s
prometheus-kube-prometheus-operator     ClusterIP  10.108.158.208 <none>        443/TCP          6m12s
prometheus-kube-prometheus-prometheus ClusterIP  10.105.106.228 <none>        9090/TCP,8080/TCP   6m12s
prometheus-kube-state-metrics       ClusterIP  10.104.121.131 <none>        8080/TCP          6m12s
prometheus-operated             ClusterIP   None          <none>        9090/TCP          6m1s
prometheus-prometheus-node-exporter ClusterIP  10.109.161.67  <none>        9100/TCP          6m12s
root@ip-172-31-21-30:/home/ubuntu# kubectl get pods -n monitoring
NAME                    READY   STATUS    RESTARTS   AGE
alertmanager-prometheus-kube-prometheus-alertmanager-0  2/2     Running   0          6m24s
prometheus-grafana-84b84bd765-xhlx7  3/3     Running   0          6m35s
prometheus-kube-prometheus-operator-56dd5b955-6gzgl  1/1     Running   0          6m35s
prometheus-kube-state-metrics-6787cc559f-4pp9q  1/1     Running   0          6m35s
prometheus-prometheus-kube-prometheus-prometheus-0  2/2     Running   0          5m46s
prometheus-prometheus-node-exporter-8xvr2  1/1     Running   0          6m35s
prometheus-prometheus-node-exporter-kgkcv  1/1     Running   0          6m35s
prometheus-prometheus-node-exporter-qn4nf  1/1     Running   0          6m35s
root@ip-172-31-21-30:/home/ubuntu#

```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

Public IPs: 3.129.68.0 Private IPs: 172.31.21.30



```

prometheus-kube-prometheus-operator-56dd5b955-6gzgl      1/1    Running   0          27m
prometheus-kube-state-metrics-6787cc559f-4pp9q        1/1    Running   0          27m
prometheus-kube-prometheus-kube-prometheus-0           2/2    Running   0          26m
prometheus-prometheus-node-exporter-8xvr2             1/1    Running   0          27m
prometheus-prometheus-node-exporter-kgkcv              1/1    Running   0          27m
prometheus-prometheus-node-exporter-qn4nf              1/1    Running   0          27m
root@ip-172-31-21-30:/home/ubuntu# kubectl get svc -n monitoring
NAME                  TYPE      CLUSTER-IP      EXTERNAL-IP      PORT(S)           AGE
alertmanager-operated ClusterIP  None           <none>          9093/TCP,9094/TCP,9094/UDP   27m
prometheus-grafana     ClusterIP  10.106.81.35   <none>          80/TCP            27m
prometheus-kube-prometheus-alertmanager   ClusterIP  10.102.93.119  <none>          9093/TCP,8080/TCP   27m
prometheus-kube-prometheus-operator       ClusterIP  10.108.158.208 <none>          443/TCP           27m
prometheus-kube-prometheus-prometheus   ClusterIP  10.105.106.228 <none>          9090/TCP,8080/TCP   27m
prometheus-kube-state-metrics          ClusterIP  10.104.121.131 <none>          8080/TCP          27m
prometheus-operated                ClusterIP  None           <none>          9090/TCP           27m
prometheus-prometheus-node-exporter   ClusterIP  10.109.161.67  <none>          9100/TCP          27m
prometheus-service                 NodePort   10.97.48.92    <none>          9090:32286/TCP,8080:32116/TCP  3m5s
root@ip-172-31-21-30:/home/ubuntu#

```

i-0ddeabbdacc0c0b4 (Jenkins-Docker-Ansible-K8S-Prometheus-Server)

Public IPs: 3.129.68.0 Private IPs: 172.31.21.30



Endpoint	Labels	Last scrape	State
http://192.168.197.70:9093/metrics	container="alertmanager" endpoint="http-web" instance="192.168.197.70:9093" job="prometheus-kube-prometheus-alertmanager" namespace="monitoring" pod="alertmanager-prometheus-kube-prometheus-alertmanager-0" service="prometheus-kube-prometheus-alertmanager"	4.534s ago	3ms UP

Endpoint	Labels	Last scrape	State
http://192.168.197.70:8080/metrics	container="config-reloader" endpoint="reloader-web"	8.036s ago	3ms UP

The screenshot shows a Google Chrome browser window with the URL `3.129.68.0:32286/targets`. The title bar includes tabs for EC2 instances and Jenkins. The main content is the Prometheus UI under the 'Status > Target health' tab. It displays the following information:

Endpoint	Labels	Last scrape	State
<code>https://172.31.30.100:10250/metrics/cadvisor</code>	<code>endpoint="https-metrics"</code> , <code>instance="172.31.30.100:10250"</code> , <code>job="kubelet"</code> , <code>metrics_path="/metrics/cadvisor"</code> , <code>namespace="kube-system"</code> , <code>node="ip-172-31-30-100"</code> , <code>service="prometheus-kube-prometheus-kubelet"</code>	1.437s ago	31ms UP
<code>https://172.31.21.30:10250/metrics/probes</code>	<code>endpoint="https-metrics"</code> , <code>instance="172.31.21.30:10250"</code> , <code>job="kubelet"</code> , <code>metrics_path="/metrics/probes"</code> , <code>namespace="kube-system"</code> , <code>node="ip-172-31-21-30"</code> , <code>service="prometheus-kube-prometheus-kubelet"</code>	21.712s ago	5ms UP
<code>https://172.31.27.208:10250/metrics/probes</code>	<code>endpoint="https-metrics"</code> , <code>instance="172.31.27.208:10250"</code> , <code>job="kubelet"</code> , <code>metrics_path="/metrics/probes"</code> , <code>namespace="kube-system"</code> , <code>node="ip-172-31-27-208"</code> , <code>service="prometheus-kube-prometheus-kubelet"</code>	22.331s ago	2ms UP
<code>https://172.31.30.100:10250/metrics/probes</code>	<code>endpoint="https-metrics"</code> , <code>instance="172.31.30.100:10250"</code> , <code>job="kubelet"</code> , <code>metrics_path="/metrics/probes"</code> , <code>namespace="kube-system"</code>	5.201s ago	2ms UP

At the bottom, the system tray shows icons for cloud, search, file, and other applications, along with network and battery status.

The screenshot shows a Google Chrome browser window with the URL `3.129.68.0:32286/targets`. The title bar includes tabs for EC2 instances and Jenkins. The main content is the Prometheus UI under the 'Status > Target health' tab. It displays the following information:

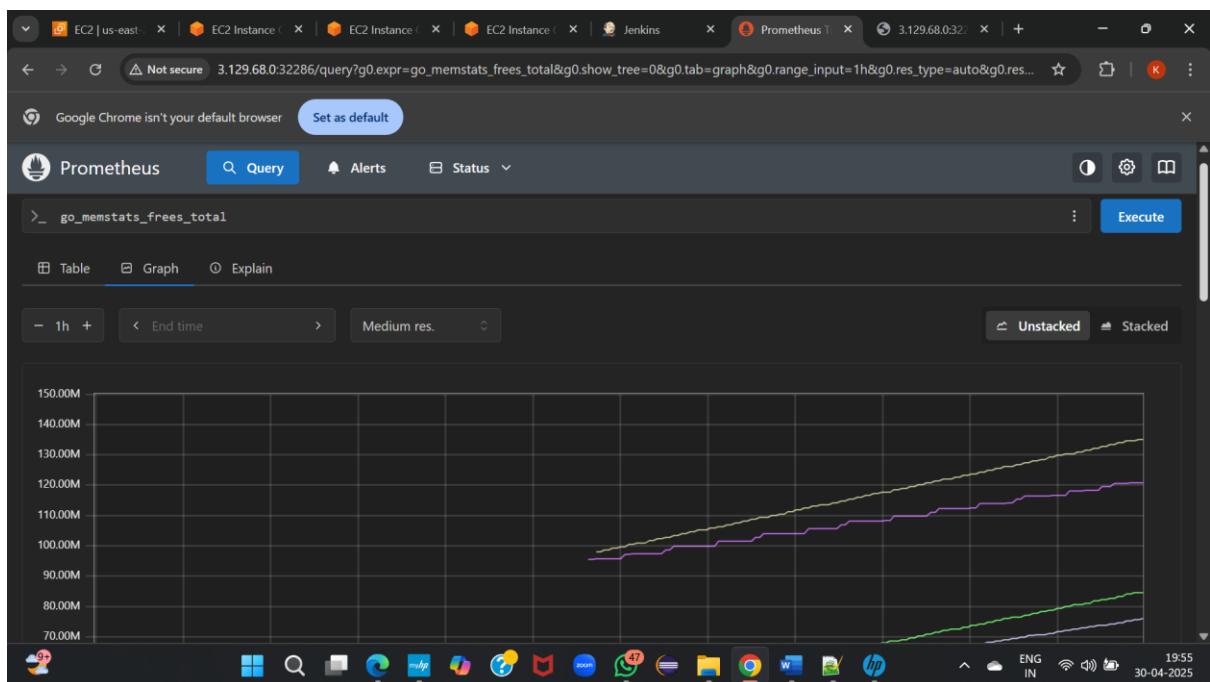
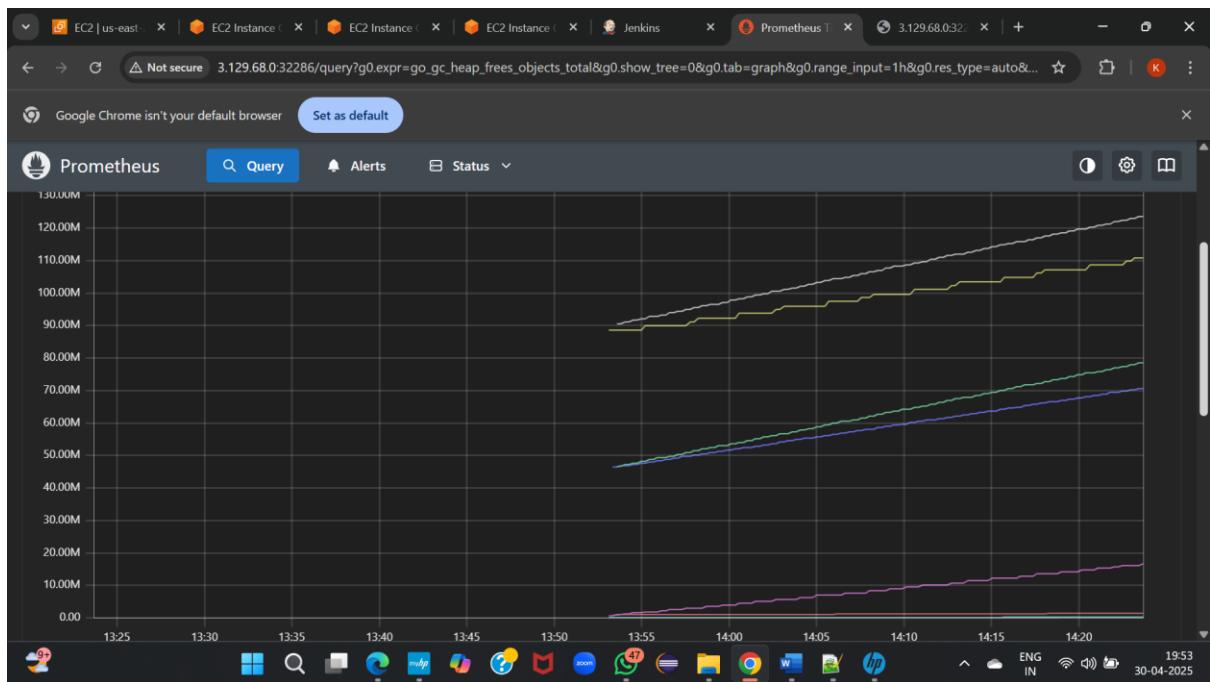
Endpoint	Labels	Last scrape	State
<code>http://192.168.197.71:9090/metrics</code>	<code>container="prometheus"</code> , <code>endpoint="http-web"</code> , <code>instance="192.168.197.71:9090"</code> , <code>job="prometheus-kube-prometheus-prometheus"</code> , <code>namespace="monitoring"</code> , <code>pod="prometheus-prometheus-kube-prometheus-prometheus-0"</code> , <code>service="prometheus-kube-prometheus-prometheus"</code>	4.885s ago	38ms UP
<code>http://192.168.197.71:8080/metrics</code>	<code>container="config-reloader"</code> , <code>endpoint="reloader-web"</code> , <code>instance="192.168.197.71:8080"</code> , <code>job="prometheus-kube-prometheus-prometheus"</code> , <code>namespace="monitoring"</code>	1.52s ago	2ms UP

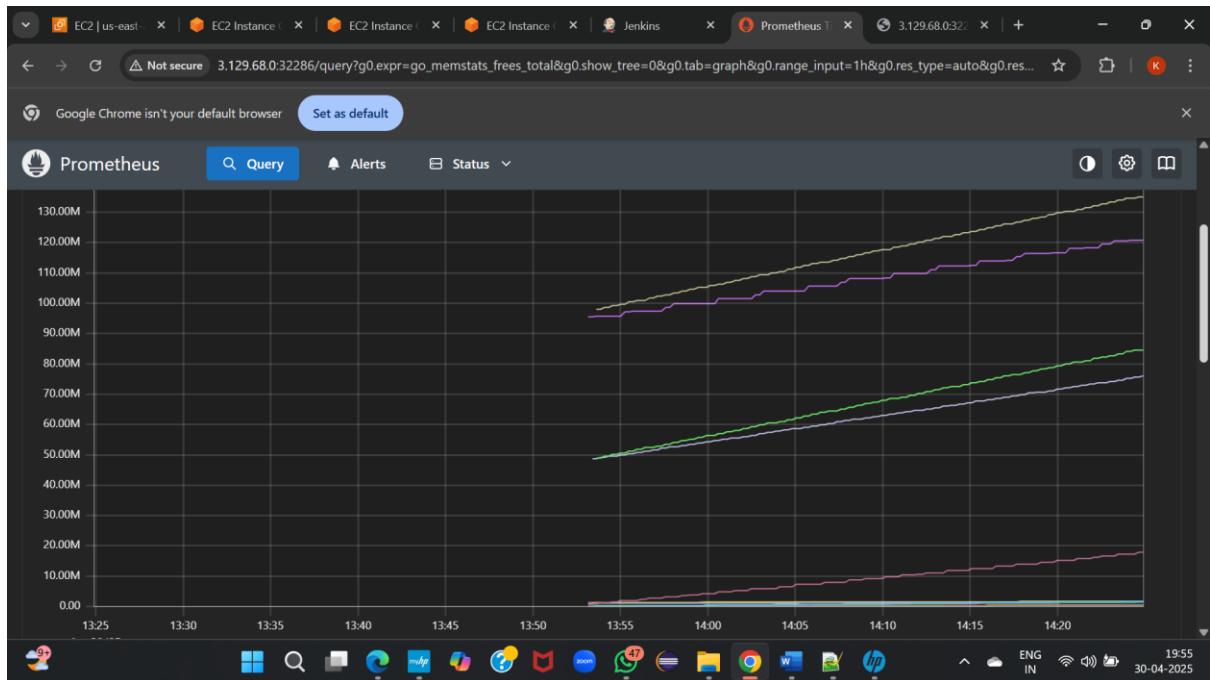
At the bottom, the system tray shows icons for cloud, search, file, and other applications, along with network and battery status.

serviceMonitor/monitoring/prometheus-prometheus-node-exporter/0

Endpoint	Labels	Last scrape	State
http://172.31.21.30:9100/metrics	container="node-exporter" endpoint="http-metrics" instance="172.31.21.30:9100" job="node-exporter" namespace="monitoring" pod="prometheus-prometheus-node-exporter-kgcv" service="prometheus-prometheus-node-exporter"	7.636s ago 21ms	UP
http://172.31.27.208:9100/metrics	container="node-exporter" endpoint="http-metrics" instance="172.31.27.208:9100" job="node-exporter" namespace="monitoring" pod="prometheus-prometheus-node-exporter-qn4nf" service="prometheus-prometheus-node-exporter"	2.299s ago 27ms	UP
http://172.31.30.100:9100/metrics	container="node-exporter" endpoint="http-metrics" instance="172.31.30.100:9100" job="node-exporter" namespace="monitoring" pod="prometheus-prometheus-node-exporter-8xvr2" service="prometheus-prometheus-node-exporter"	18.782s ago 38ms	UP

```
# HELP go_gc_cycles_automatic_gc_cycles_total Count of completed GC cycles generated by the Go runtime. Sourced from /gc/cycles/automatic:gc-cycles.
# TYPE go_gc_cycles_automatic_gc_cycles_total counter
go_gc_cycles_automatic_gc_cycles_total 48
# HELP go_gc_cycles_forced_gc_cycles_total Count of completed GC cycles forced by the application. Sourced from /gc/cycles/forced:gc-cycles.
# TYPE go_gc_cycles_forced_gc_cycles_total counter
go_gc_cycles_forced_gc_cycles_total 0
# HELP go_gc_cycles_total_gc_cycles_total Count of all completed GC cycles. Sourced from /gc/cycles/total:gc-cycles.
# TYPE go_gc_cycles_total_gc_cycles_total counter
go_gc_cycles_total_gc_cycles_total 48
# HELP go_gc_duration_seconds A summary of the wall-time pause (stop-the-world) duration in garbage collection cycles.
# TYPE go_gc_duration_seconds summary
go_gc_duration_seconds{quantile="0"} 6.2545e-05
go_gc_duration_seconds{quantile="0.25"} 8.399e-05
go_gc_duration_seconds{quantile="0.5"} 9.6818e-05
go_gc_duration_seconds{quantile="0.75"} 0.000127922
go_gc_duration_seconds{quantile="1"} 0.000352988
go_gc_duration_seconds_sum 0.00508852
go_gc_duration_seconds_count 48
# HELP go_gc_gogo_percent Heap size target percentage configured by the user, otherwise 100. This value is set by the GOGC environment variable, and the runtime/debug/SetGPercent function. Sourced from /gc/gogo:percent.
# TYPE go_gc_gogo_percent gauge
go_gc_gogo_percent 75
# HELP go_gc_gomemlimit_bytes Go runtime memory limit configured by the user, otherwise math.MaxInt64. This value is set by the GOMEMLIMIT environment variable, and the runtime/debug/SetMemoryLimit function. Sourced from /gc/gomemlimit:bytes.
# TYPE go_gc_gomemlimit_bytes gauge
go_gc_gomemlimit_bytes 1.4899625164e+10
# HELP go_gc_heap_allocs_by_size_bytes Distribution of heap allocations by approximate size. Bucket counts increase monotonically. Note that this does not include tiny objects as defined by /gc/heap/tiny/allocs:objects, only tiny blocks. Sourced from /gc/heap/allocs-by-size:bytes.
# TYPE go_gc_heap_allocs_by_size_bytes histogram
go_gc_heap_allocs_by_size_bytes_bucket{le="8.999999999999998"} 452944
go_gc_heap_allocs_by_size_bytes_bucket{le="24.999999999999996"} 5.570903e+06
go_gc_heap_allocs_by_size_bytes_bucket{le="64.99999999999999"} 1.20481e+07
go_gc_heap_allocs_by_size_bytes_bucket{le="144.99999999999997"} 1.5729239e+07
go_gc_heap_allocs_by_size_bytes_bucket{le="320.99999999999994"} 1.6861028e+07
```





```

root@ip-172-31-27-208:/home/ubuntu# wget https://dl.grafana.com/enterprise/release/grafana-enterprise-8.4.4.linux-amd64.tar.gz
--2025-04-30 14:26:47-- 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, 2a04:4e2f: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 284MB/s in 0.3s
2025-04-30 14:26:48 (284 MB/s) - 'grafana-enterprise-8.4.4.linux-amd64.tar.gz' saved [84007981/84007981]

root@ip-172-31-27-208:/home/ubuntu# ls
grafana-enterprise-8.4.4.linux-amd64.tar.gz  k8s-nodes.sh
root@ip-172-31-27-208:/home/ubuntu# tar -xvf grafana-enterprise-8.4.4.linux-amd64.tar.gz

```

i-09d3b906758a03745 (Grafana Server and k8s node2)

PublicIPs: 18.221.7.169 PrivateIPs: 172.31.27.208



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-alloy-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-172-31-27-208:/home/ubuntu# ls
grafana-8.4.4 **grafana-enterprise-8.4.4.linux-amd64.tar.gz** k8s-nodes.sh
root@ip-172-31-27-208:/home/ubuntu# cd grafana-8.4.4
root@ip-172-31-27-208:/home/ubuntu/grafana-8.4.4# ./bin/grafana-server

i-09d3b906758a03745 (Grafana Server and k8s node2)

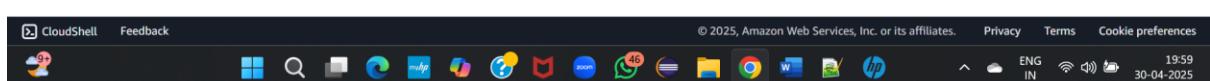
PublicIPs: 18.221.7.169 PrivateIPs: 172.31.27.208

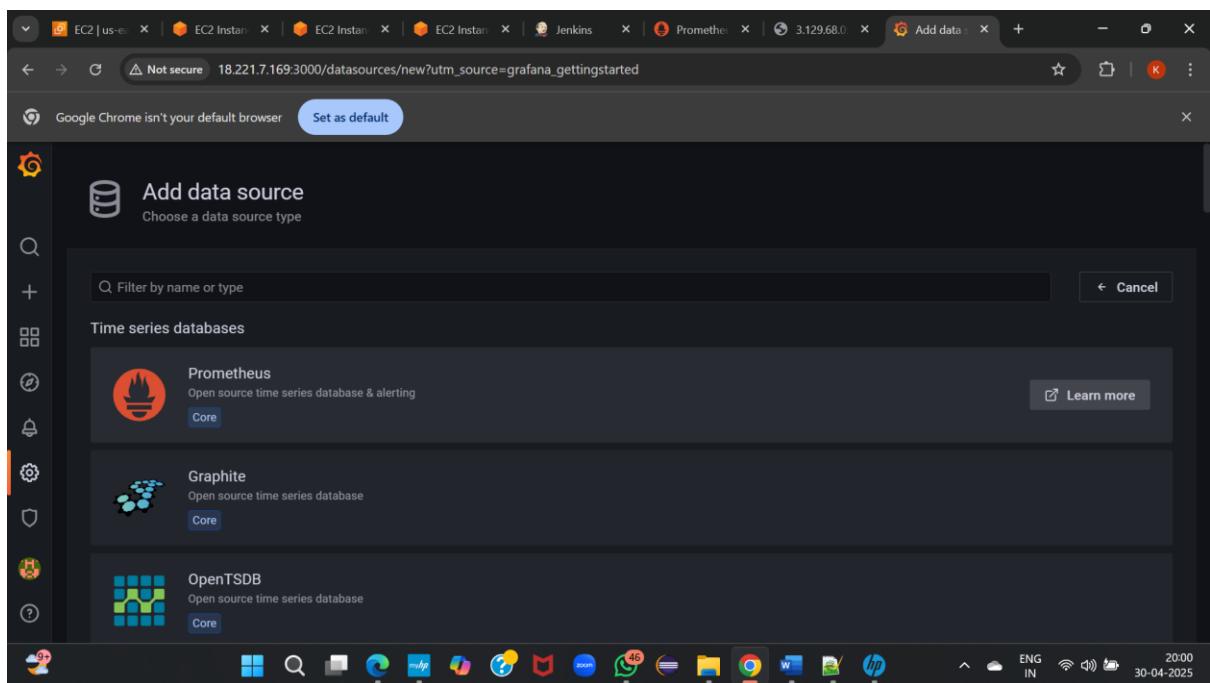
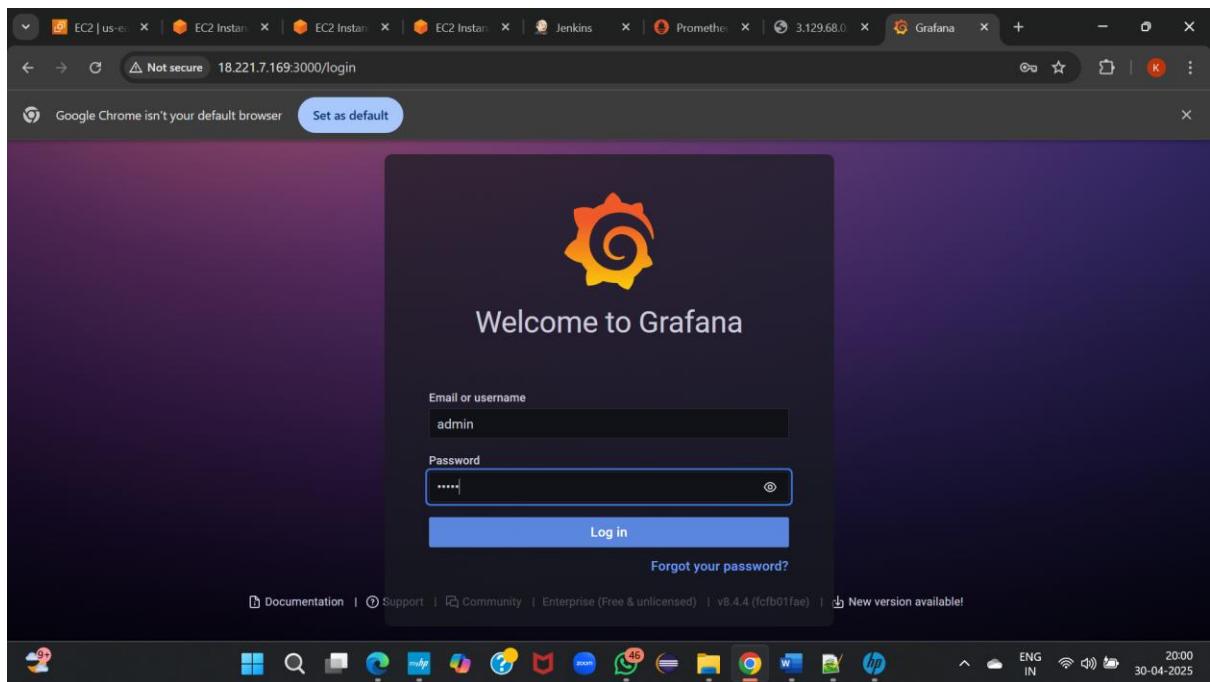


[INFO][04-30|14:29:12] Executing migration
[INFO][04-30|14:29:12] migrations completed
[INFO][04-30|14:29:12] Created default admin
[INFO][04-30|14:29:12] Created default organization
[INFO][04-30|14:29:12] Validated license token
[INFO][04-30|14:29:12] Plugin registered
[WARN][04-30|14:29:12] Skipping finding plugins as directory does not exist
[INFO][04-30|14:29:12] Query Service initialization
[INFO][04-30|14:29:12] Live Push Gateway initialization
[WARN][04-30|14:29:12] Scheduling and sending of reports disabled, SMTP is not configured and enabled. Configure SMTP to enable.
[INFO][04-30|14:29:12] HTTP Server Listen

i-09d3b906758a03745 (Grafana Server and k8s node2)

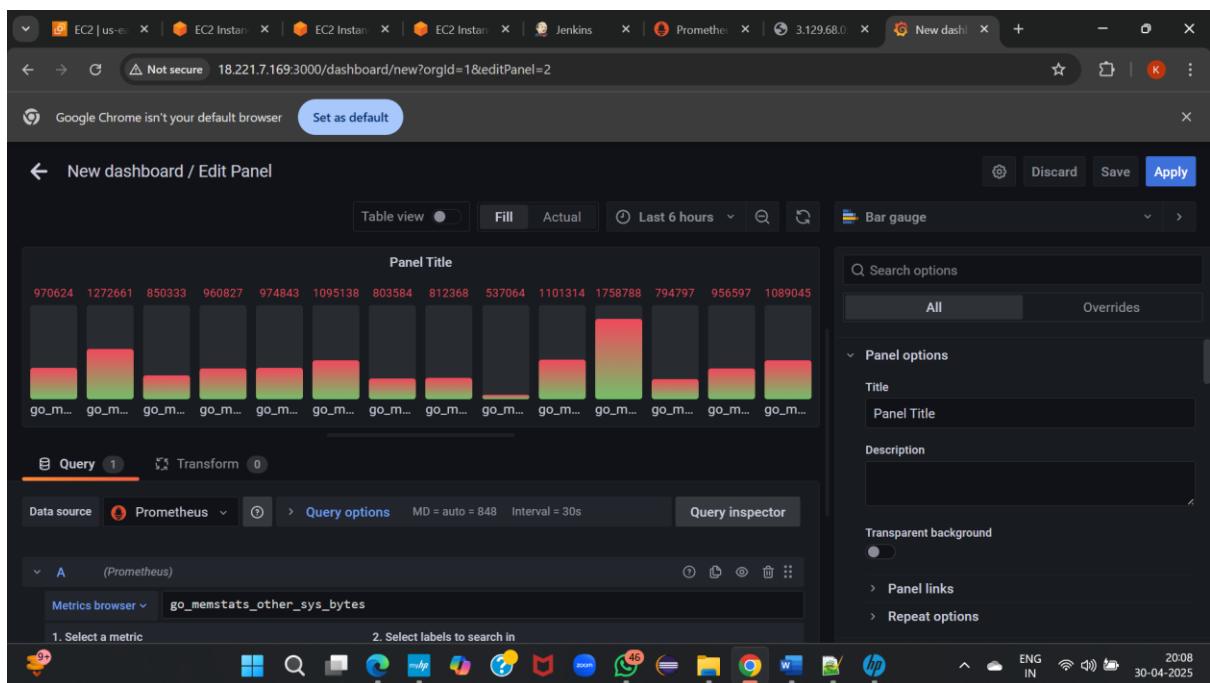
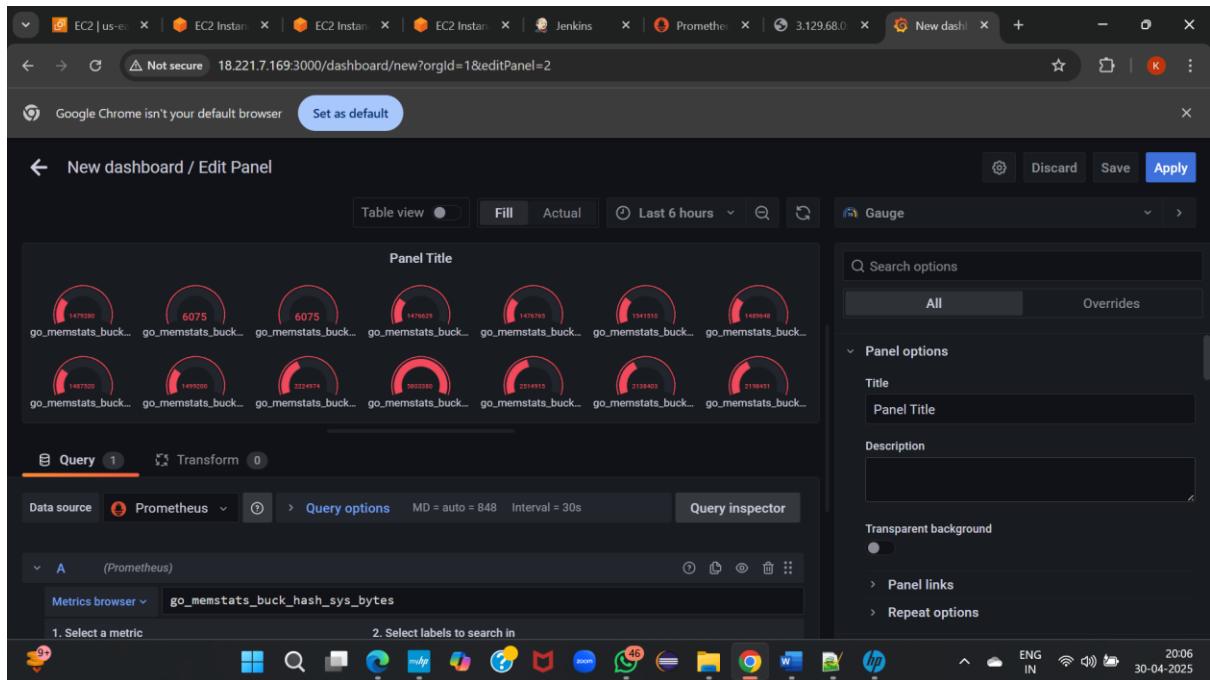
PublicIPs: 18.221.7.169 PrivateIPs: 172.31.27.208

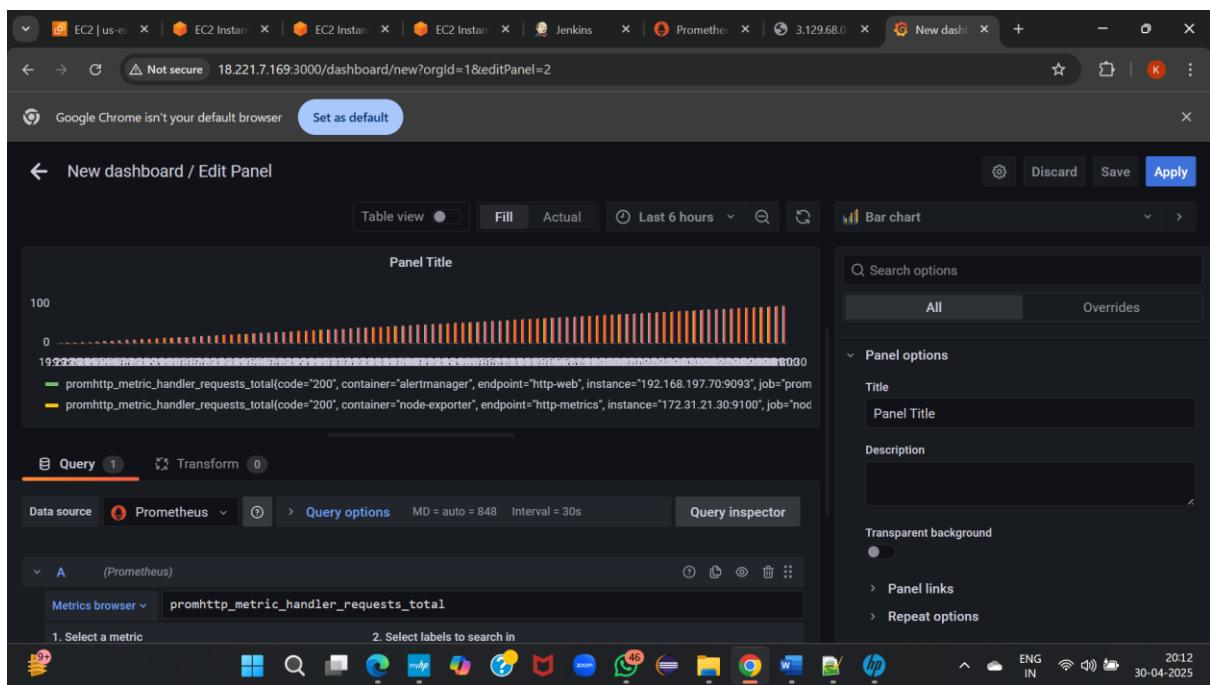
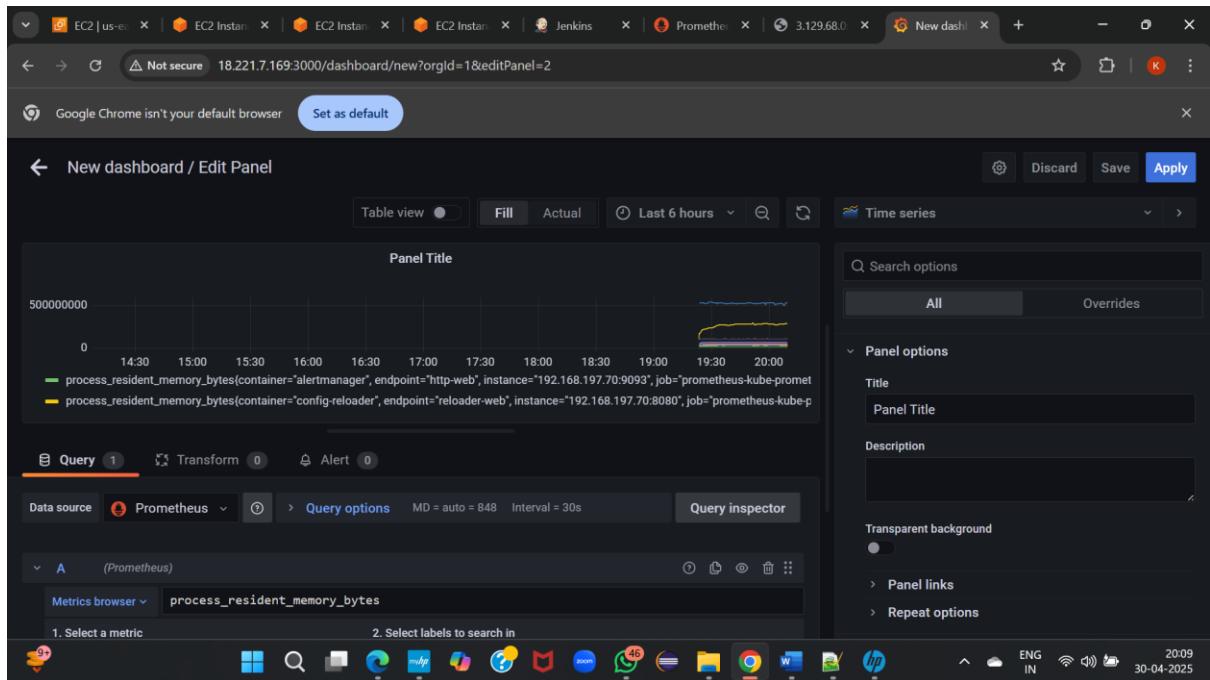


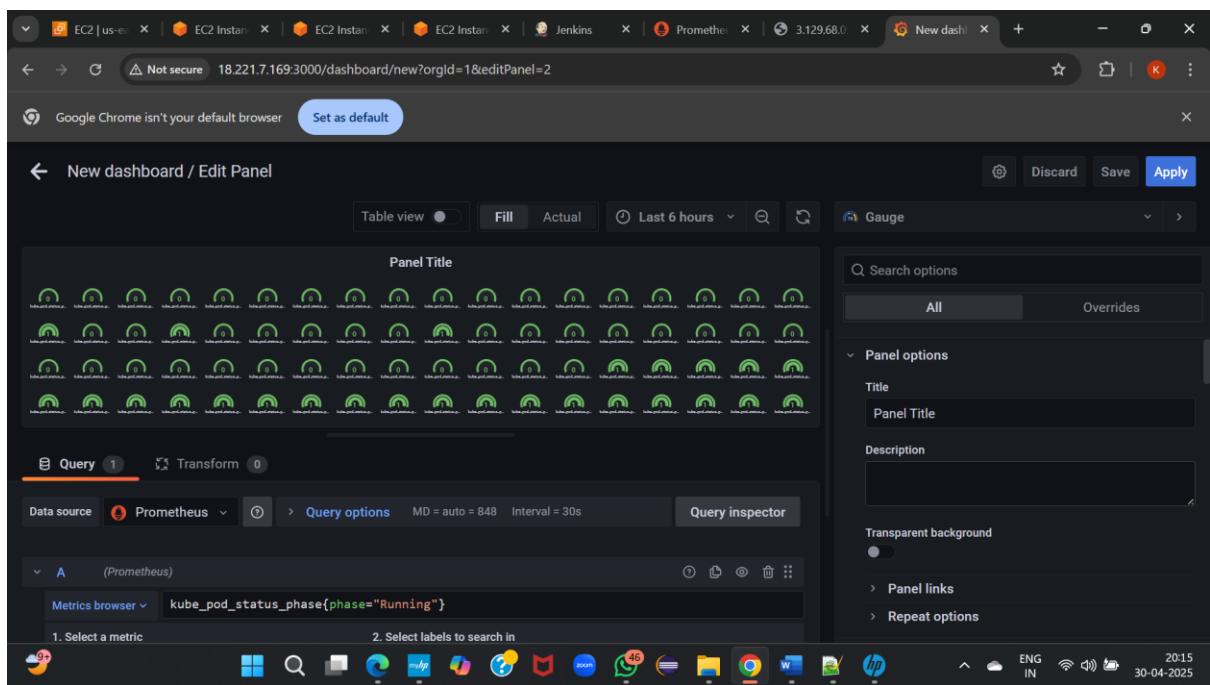
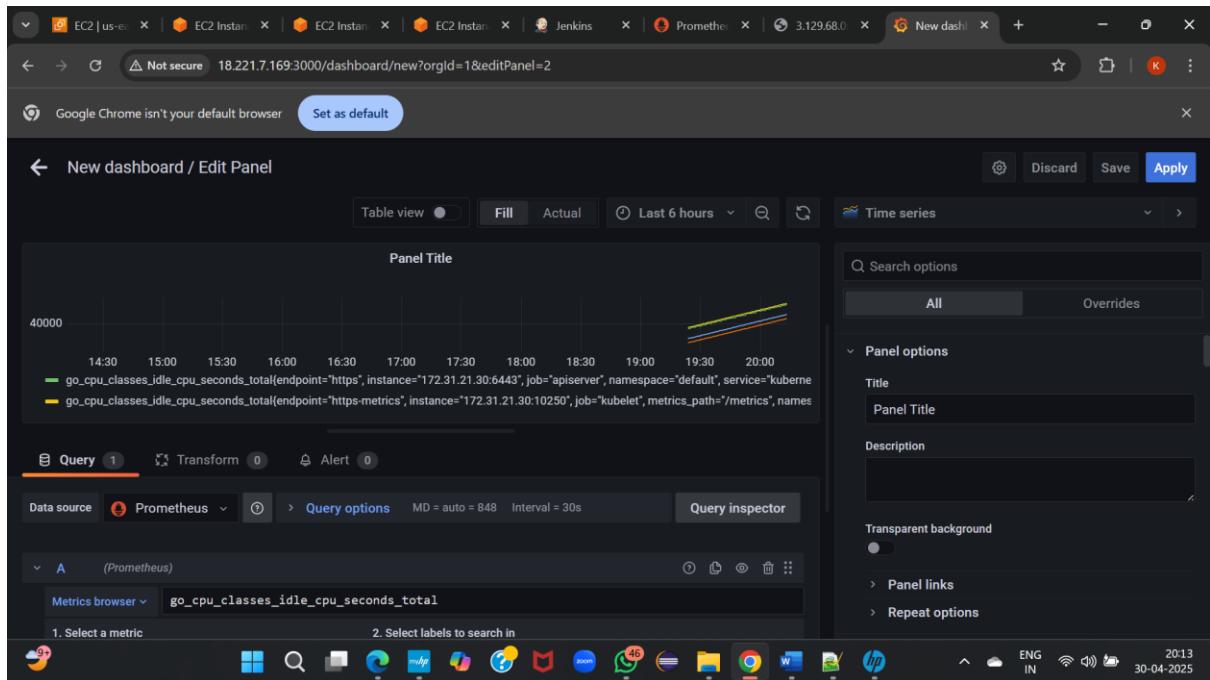


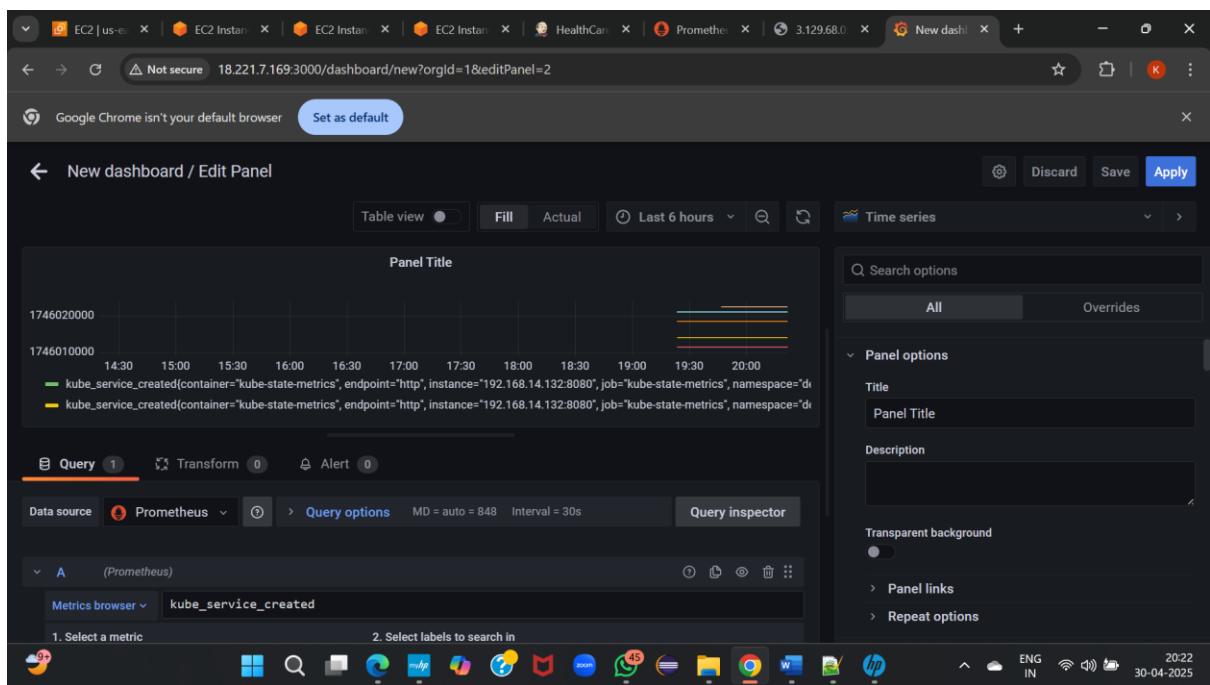
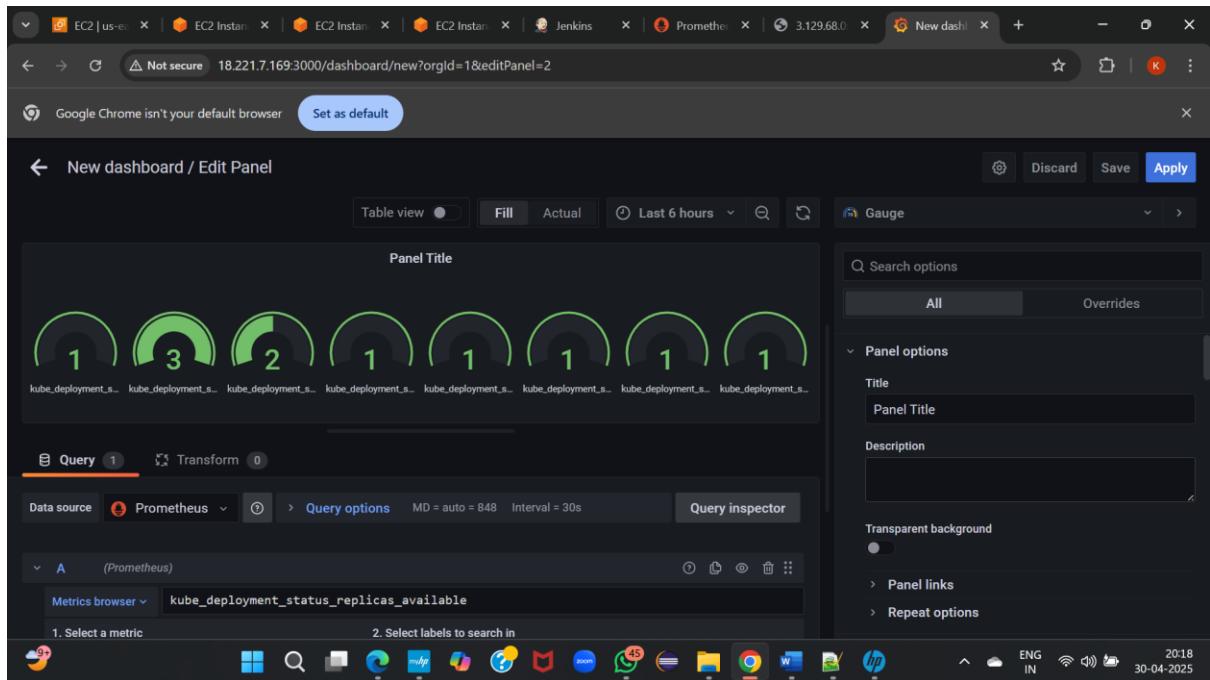
The screenshot shows the 'Data Sources / Prometheus' configuration page in a browser. The URL is `http://3.129.68.0:32286/`. The 'Settings' tab is selected. The data source is named 'Prometheus' and is set as the 'Default'. Under the 'HTTP' section, the URL is set to `http://3.129.68.0:32286/`, Access is set to 'Server (default)', and Timeout is set to 'Timeout in seconds'. The 'Auth' section shows 'Basic auth' selected. A success message 'Datasource updated' is displayed in the top right corner.

The screenshot shows the same 'Data Sources / Prometheus' configuration page. The 'Settings' tab is still selected. In the 'Misc' section, 'Scrape interval' is set to 15s, 'Query timeout' is set to 60s, and 'HTTP Method' is set to POST. The 'Exemplars' section shows a green checkmark indicating 'Data source is working'. A success message 'Datasource updated' is displayed in the top right corner.



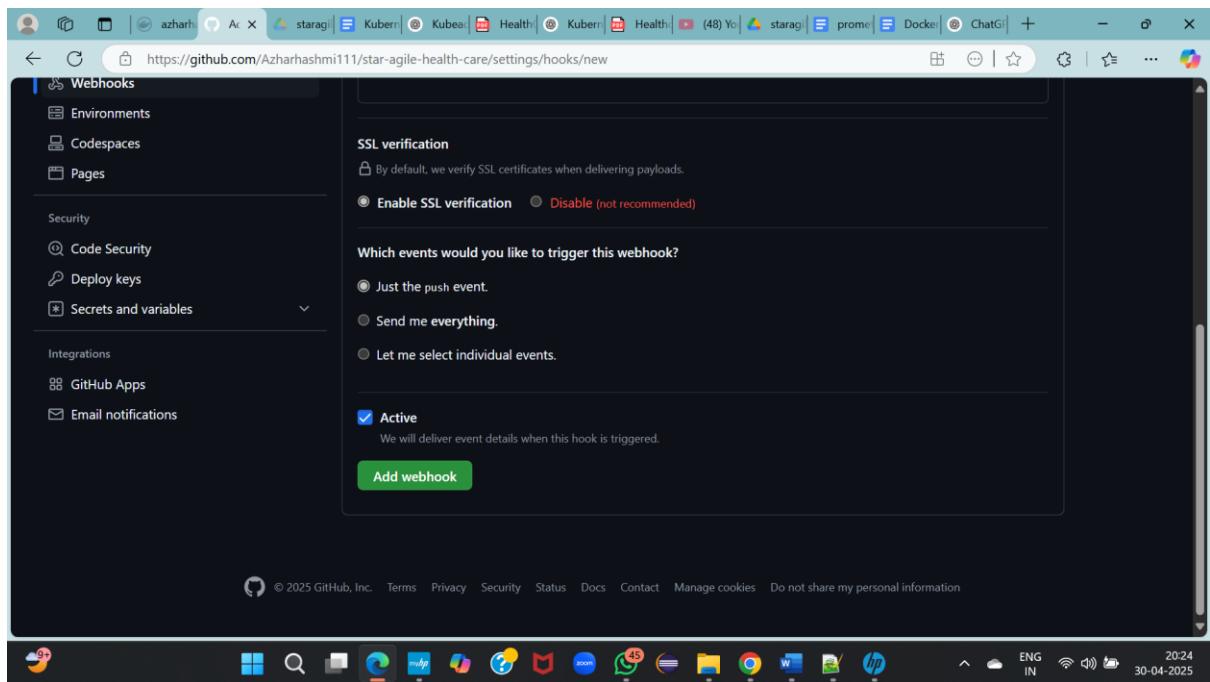




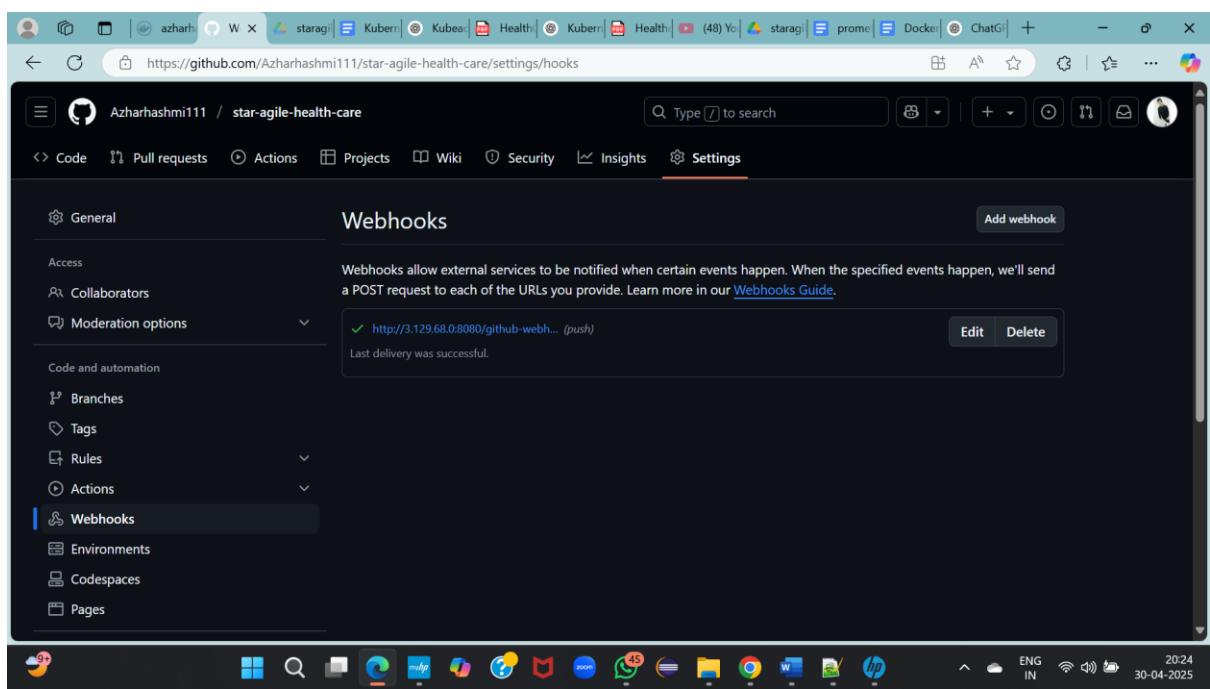


The screenshot shows a web browser window with multiple tabs open, including EC2 instances and Prometheus. The active tab is at 3.129.68.0:8080/job/HealthCareProject/configure. The page displays the Jenkins 'Configuration' screen for the 'HealthCareProject'. On the left, there's a sidebar with 'Configure' and four tabs: General, Triggers (which is selected), Pipeline, and Advanced. Under 'Triggers', two checkboxes are checked: 'GitHub hook trigger for GITScm polling' and 'Poll SCM'. A warning message states: '⚠️ Do you really mean "every minute" when you say "*****"? Perhaps you meant "H * * * *" to poll once per hour'. Below this, there are two unchecked checkboxes: 'Ignore post-commit hooks' and 'Trigger builds remotely (e.g., from scripts)'. At the bottom are 'Save' and 'Apply' buttons.

The screenshot shows a web browser window with multiple tabs open, including Kubernete, Health, and Docker. The active tab is at <https://github.com/Azharhashmi111/star-agile-health-care/settings/hooks/new>. The page displays the GitHub 'Webhooks / Add webhook' configuration screen. On the left, there's a sidebar with 'General', 'Access', 'Collaborators', 'Moderation options', 'Code and automation', 'Branches', 'Tags', 'Rules', 'Actions', 'Webhooks' (which is selected), 'Environments', 'Codespaces', and 'Pages'. The main area shows the 'Webhooks / Add webhook' form. It includes fields for 'Payload URL' (set to `http://3.129.68.0:8080/github-webhook/`), 'Content type' (set to `application/x-www-form-urlencoded`), and 'Secret'. Under 'SSL verification', the radio button for 'Enable SSL verification' is selected. At the bottom are 'Save' and 'Apply' buttons.



The screenshot shows the GitHub Webhooks settings page for a repository named "star-agile-health-care". The left sidebar contains links for Webhooks, Environments, Codespaces, Pages, Security, Code Security, Deploy keys, Secrets and variables, Integrations, GitHub Apps, and Email notifications. The main content area is titled "SSL verification" with a note about verifying SSL certificates. It includes three radio button options: "Enable SSL verification" (selected), "Disable (not recommended)", and "Just the push event". Below that is a section for selecting events to trigger the webhook, with three radio button options: "Send me everything" (selected), "Let me select individual events", and "Just the push event". A checked checkbox labeled "Active" indicates the webhook will deliver event details when triggered. At the bottom is a green "Add webhook" button. The footer of the browser window shows standard navigation icons and the URL https://github.com/Azharhashmi111/star-agile-health-care/settings/hooks/new.



The screenshot shows the GitHub Webhooks list page for the same repository. The left sidebar has a "Webhooks" link selected. The main content area is titled "Webhooks" and contains a brief description of what webhooks do. It lists one webhook entry: "http://3.129.68.0:8080/github-webhook/push" (push). This entry is marked with a green checkmark and the status "Last delivery was successful". There are "Edit" and "Delete" buttons next to the entry. The footer of the browser window shows standard navigation icons and the URL https://github.com/Azharhashmi111/star-agile-health-care/settings/hooks.