AWS Solutions Architect Certification Training
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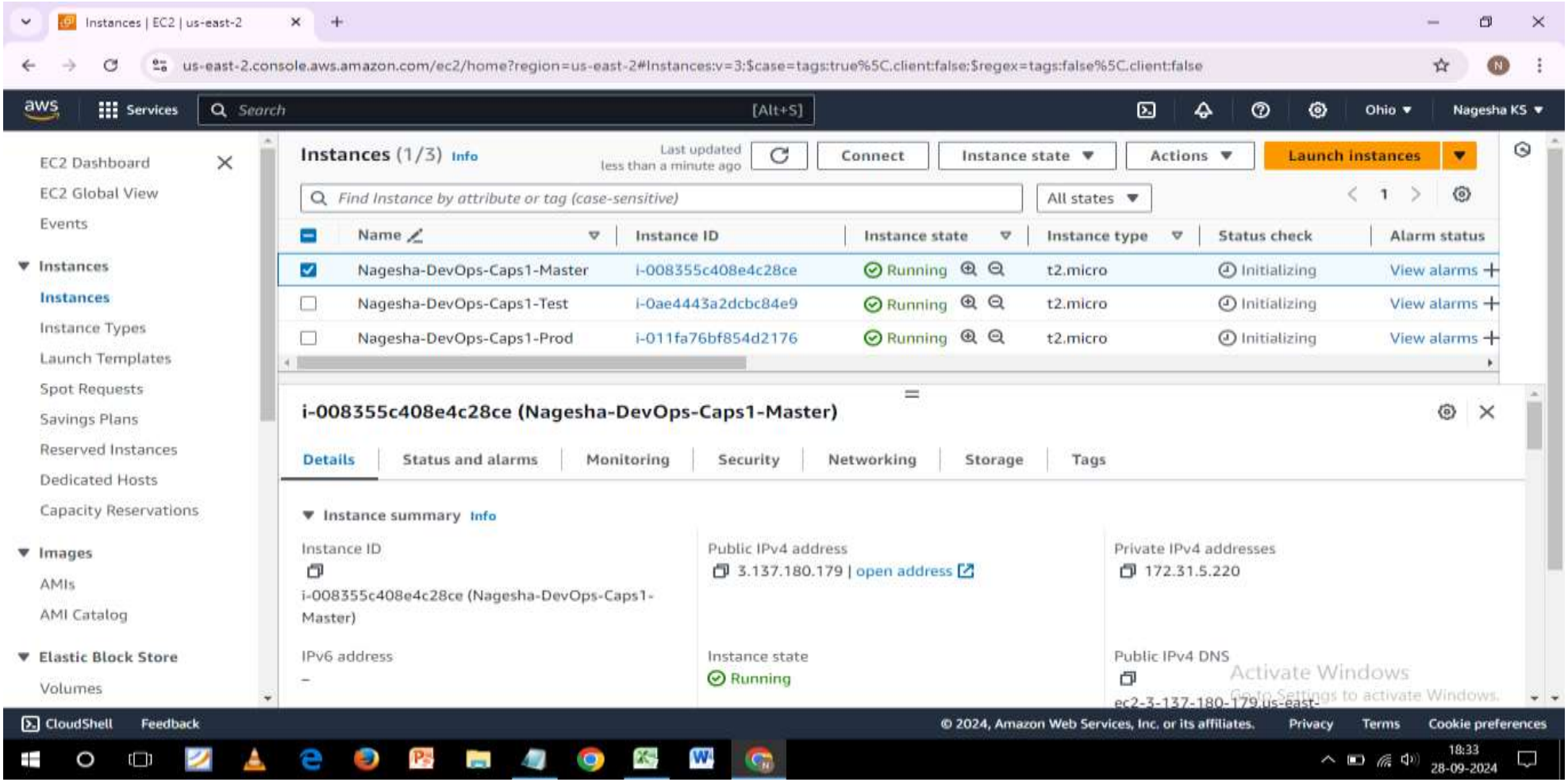
DevOps Project : Capstone 1 COMPLETED by Nagesha KS
Please check the following screenshots for each question.

You have been hired as a Sr. DevOps Engineer in Abode Software. They want **to implement DevOps Lifecycle** in their company.
You have been asked to implement this lifecycle as fast as possible.
Abode Software is a product-based company and their product is available on this **GitHub link**.
https://github.com/hshar/website.git

Following are the specifications of the lifecycle:

1. Install the necessary software on the machines using a **configuration management tool - Ansible**
2. **Git workflow** has to be implemented
3. **CodeBuild** should automatically be triggered once a commit is made to master branch or develop branch.
    a. If a **commit** is made to **master branch, test** and **push to prod**
    b. If a **commit** is made to **develop branch**, just **test the product, do not push to prod**
4. The **code should be containerized** with the help of a **Dockerfile**. The Dockerfile should be built every time there is a **push to GitHub**.
   Use the following pre-built container for your application: **hshar/webapp**
   The code should reside in '**/var/www/html**'
5. The above tasks should be defined in a **Jenkins Pipeline** with the following jobs:
    a. Job1 : build
    b. Job2 : test
    c. Job3 : prod


Instances | EC2 | us-east-2
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aws
Services
Search
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Ohio
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EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Instances (1/3) Info
Last updated less than a minute ago
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
1
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Nagesha-DevOps-Caps1-Master
i-008355c408e4c28ce
Running
t2.micro
Initializing
View alarms
Nagesha-DevOps-Caps1-Test
i-0ae4443a2dcbc84e9
Running
t2.micro
Initializing
View alarms
Nagesha-DevOps-Caps1-Prod
i-011fa76bf854d2176
Running
t2.micro
Initializing
View alarms
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
Details
Status and alarms
Monitoring
Security
Networking
Storage
Tags
Instance summary Info
Instance ID
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
Public IPv4 address
3.137.180.179 | open address
Private IPv4 addresses
172.31.5.220
IPv6 address
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Instance state
Running
Public IPv4 DNS
ec2-3-137-180-179.us-east-
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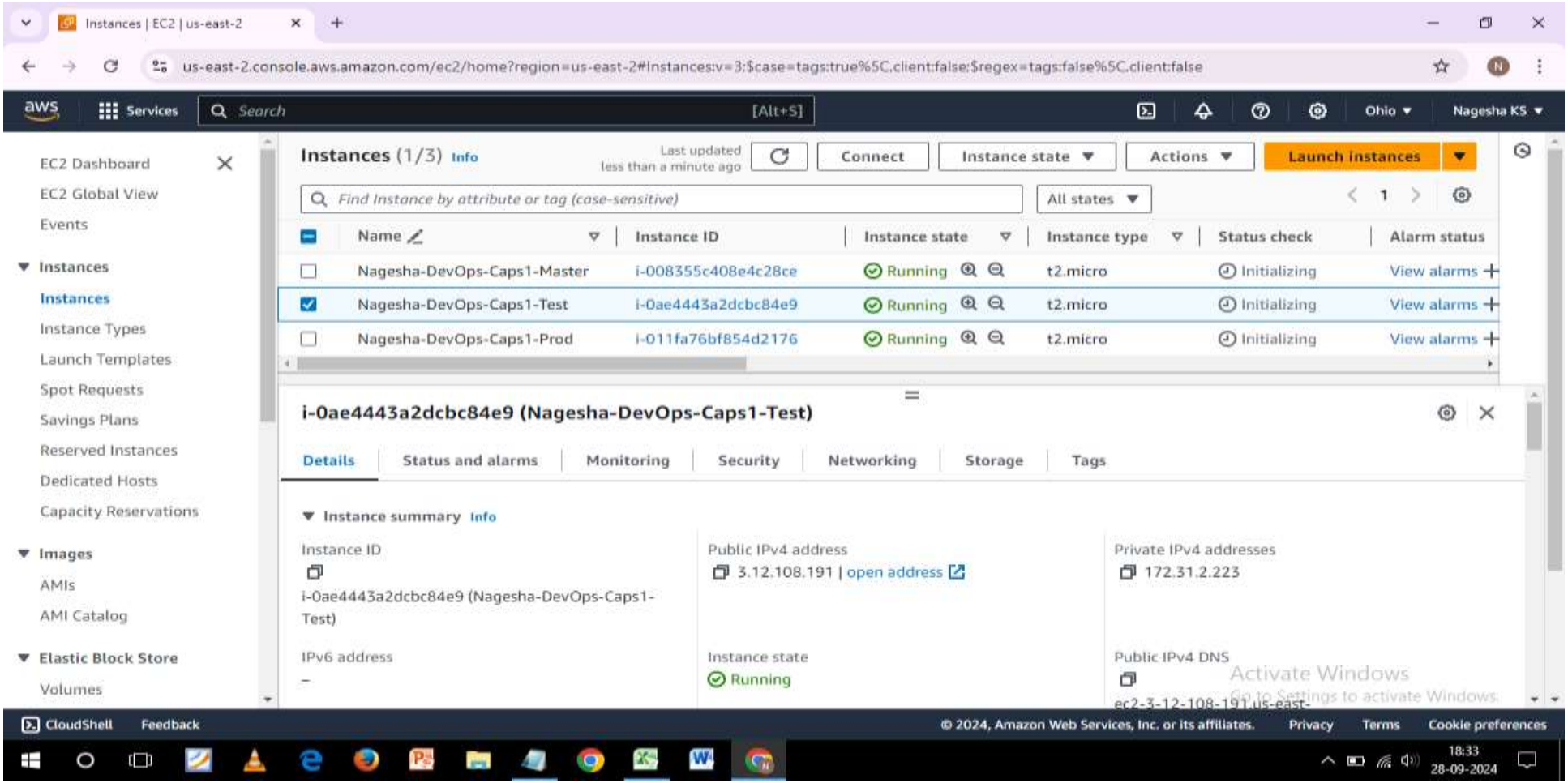
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us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Instances:v=3:$case=tags:true%5C,client:false:$regex=tags:false%5C,client:false
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Instance summary Info
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i-0ae4443a2dcbc84e9 (Nagesha-DevOps-Caps1-Test)
Public IPv4 address
3.12.108.191 | open address
Private IPv4 addresses
172.31.2.223
IPv6 address
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Instance state
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Public IPv4 DNS
ec2-3-12-108-191.us-east-
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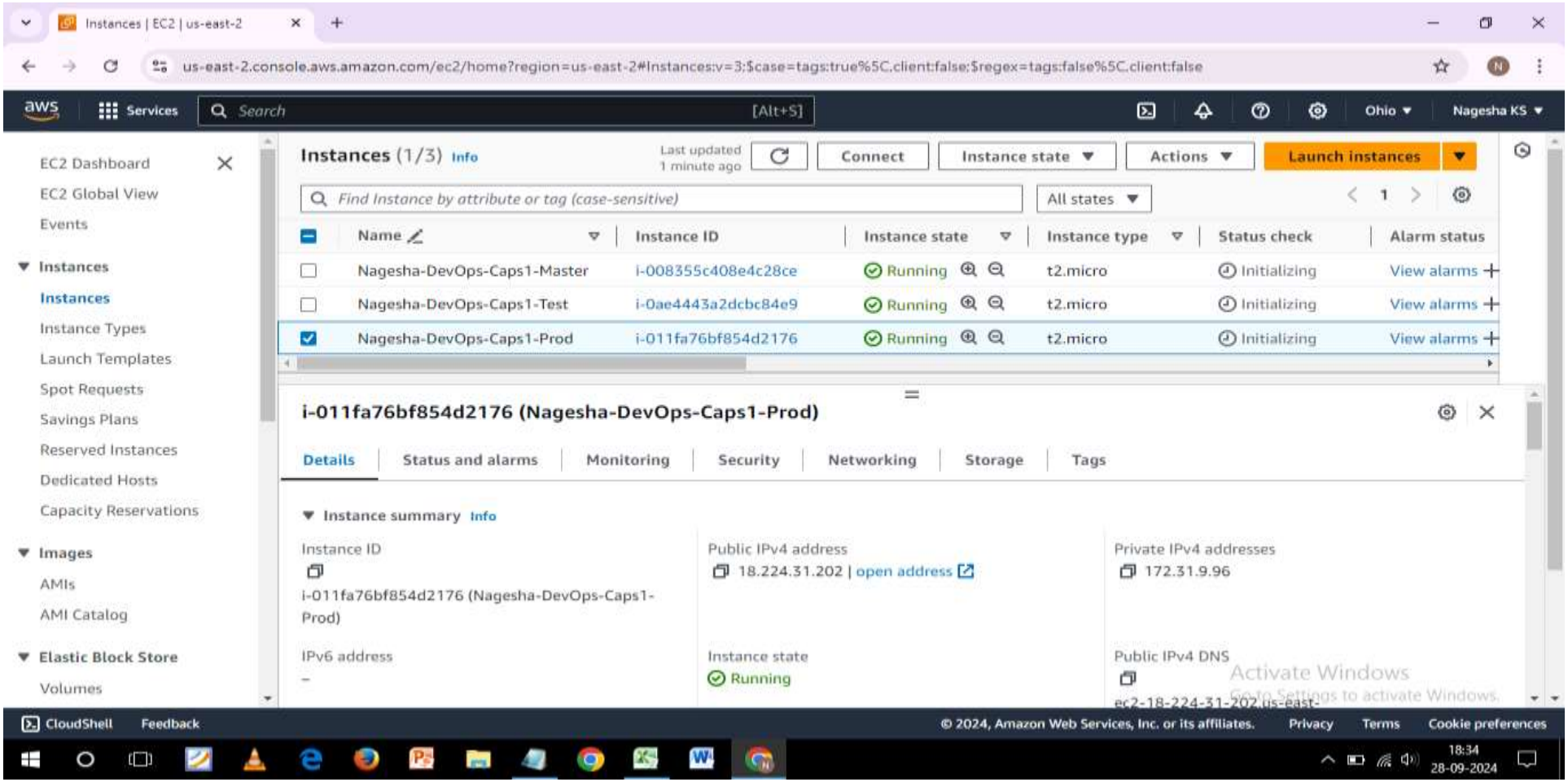
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Public IPv4 address
18.224.31.202 | open address
Private IPv4 addresses
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Public IPv4 DNS
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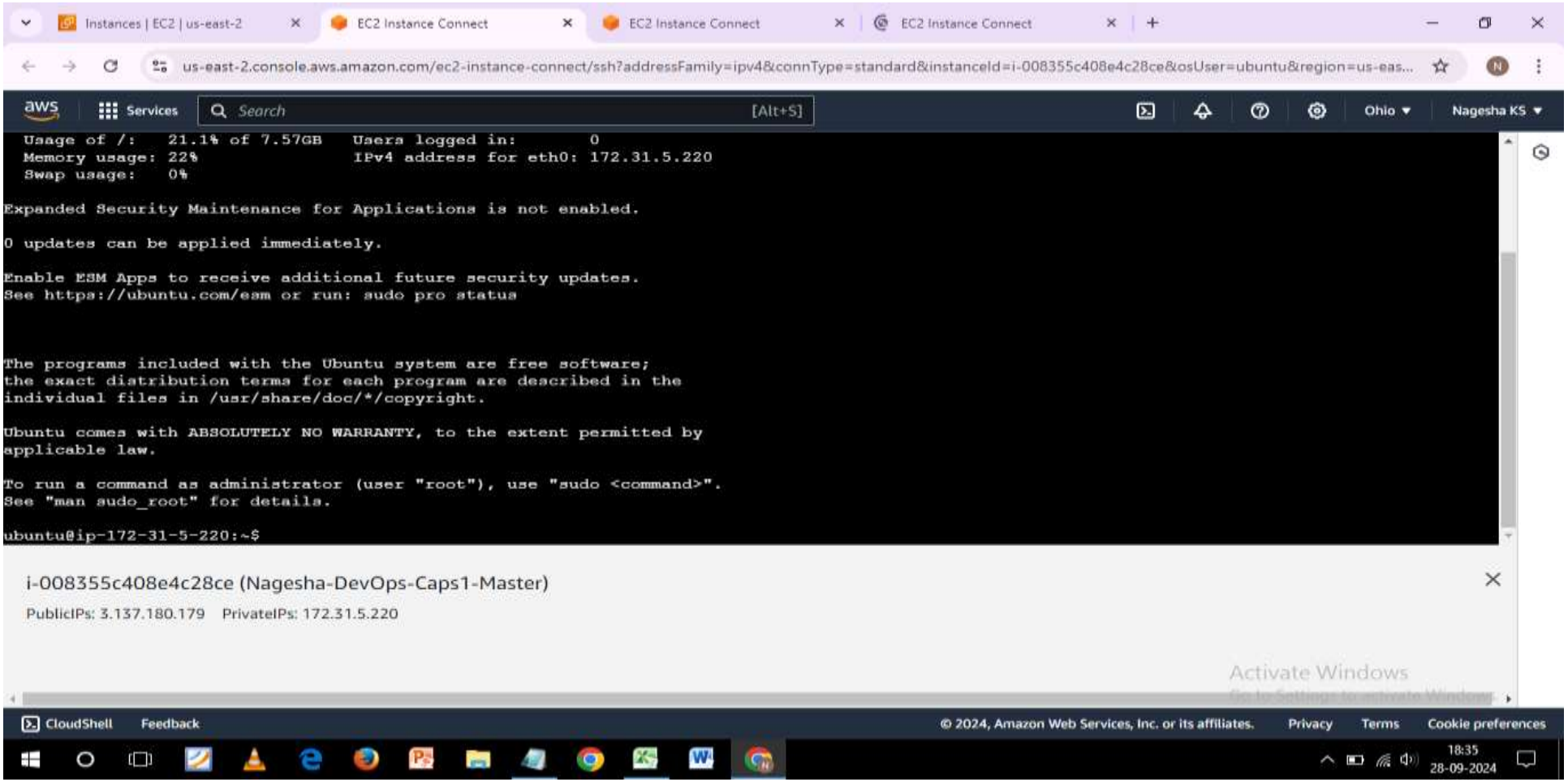
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EC2 Instance Connect
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us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-008355c408e4c28ce&osUser=ubuntu&region=us-eas...
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Usage of /: 21.1% of 7.57GB Users logged in: 0
Memory usage: 22% IPv4 address for eth0: 172.31.5.220
Swap usage: 0%
Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
ubuntu@ip-172-31-5-220:~$
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
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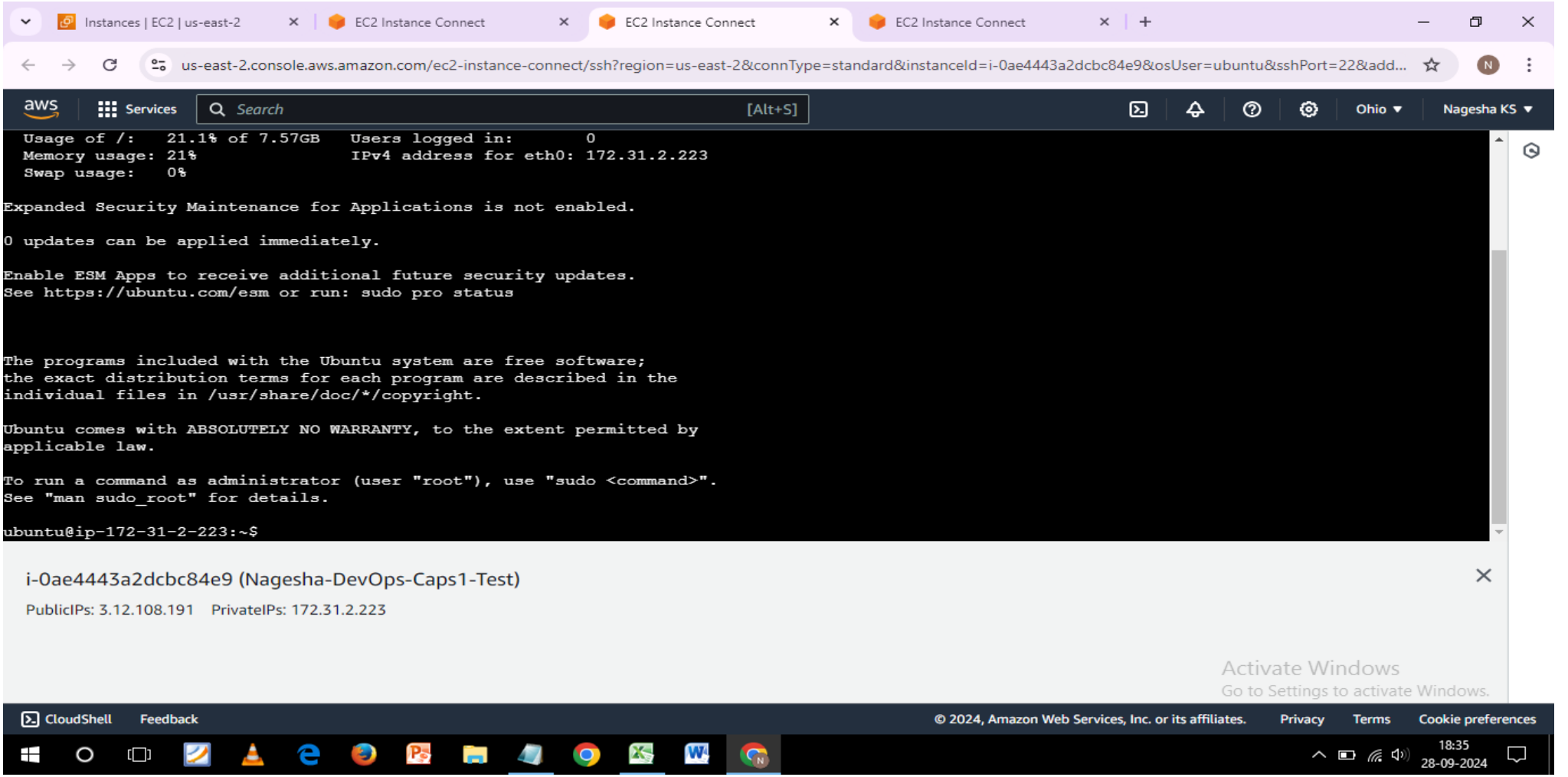
Instances | EC2 | us-east-2
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EC2 Instance Connect
us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-0ae4443a2dcbc84e9&osUser=ubuntu&sshPort=22&add...
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ubuntu@ip-172-31-2-223:~$
i-0ae4443a2dcbc84e9 (Nagesha-DevOps-Caps1-Test)
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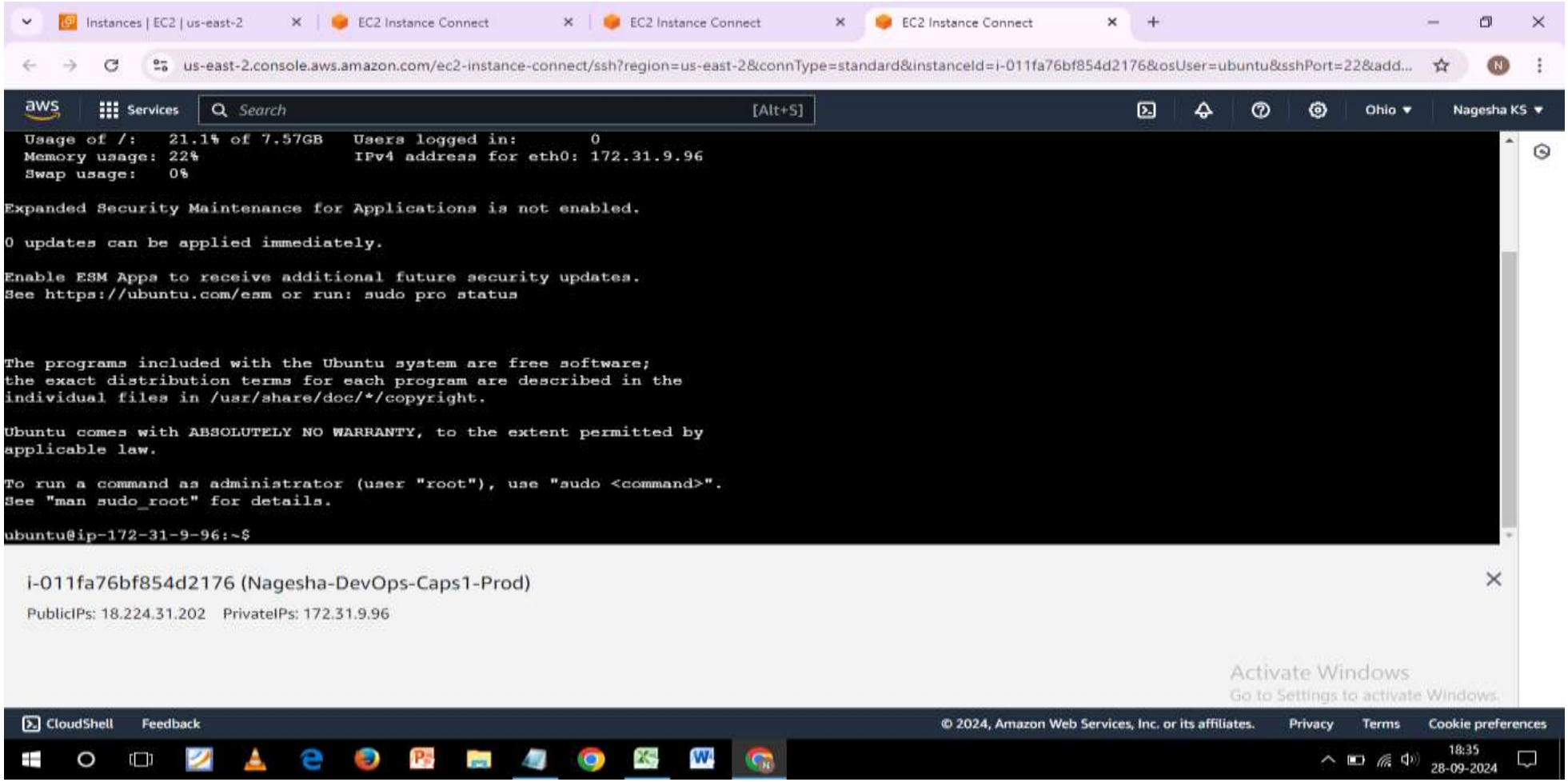
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us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-011fa76bf854d2176&osUser=ubuntu&sshPort=22&add...
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To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
ubuntu@ip-172-31-9-96:~$
i-011fa76bf854d2176 (Nagesha-DevOps-Caps1-Prod)
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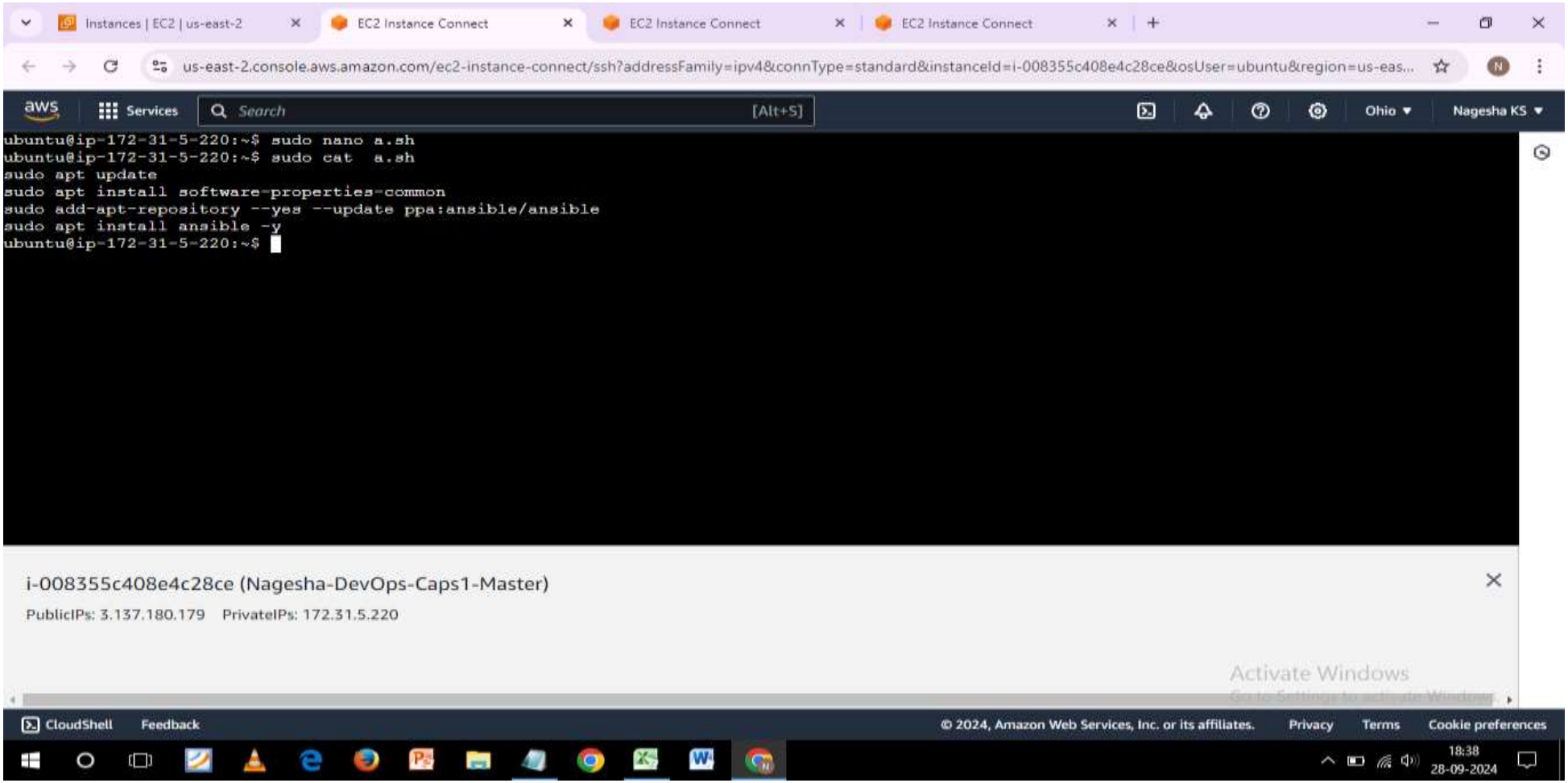
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us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-008355c408e4c28ce&osUser=ubuntu&region=us-eas...
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ubuntu@ip-172-31-5-220:~$ sudo nano a.sh
ubuntu@ip-172-31-5-220:~$ sudo cat a.sh
sudo apt update
sudo apt install software-properties-common
sudo add-apt-repository --yes --update ppa:ansible/ansible
sudo apt install ansible -y
ubuntu@ip-172-31-5-220:~$
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
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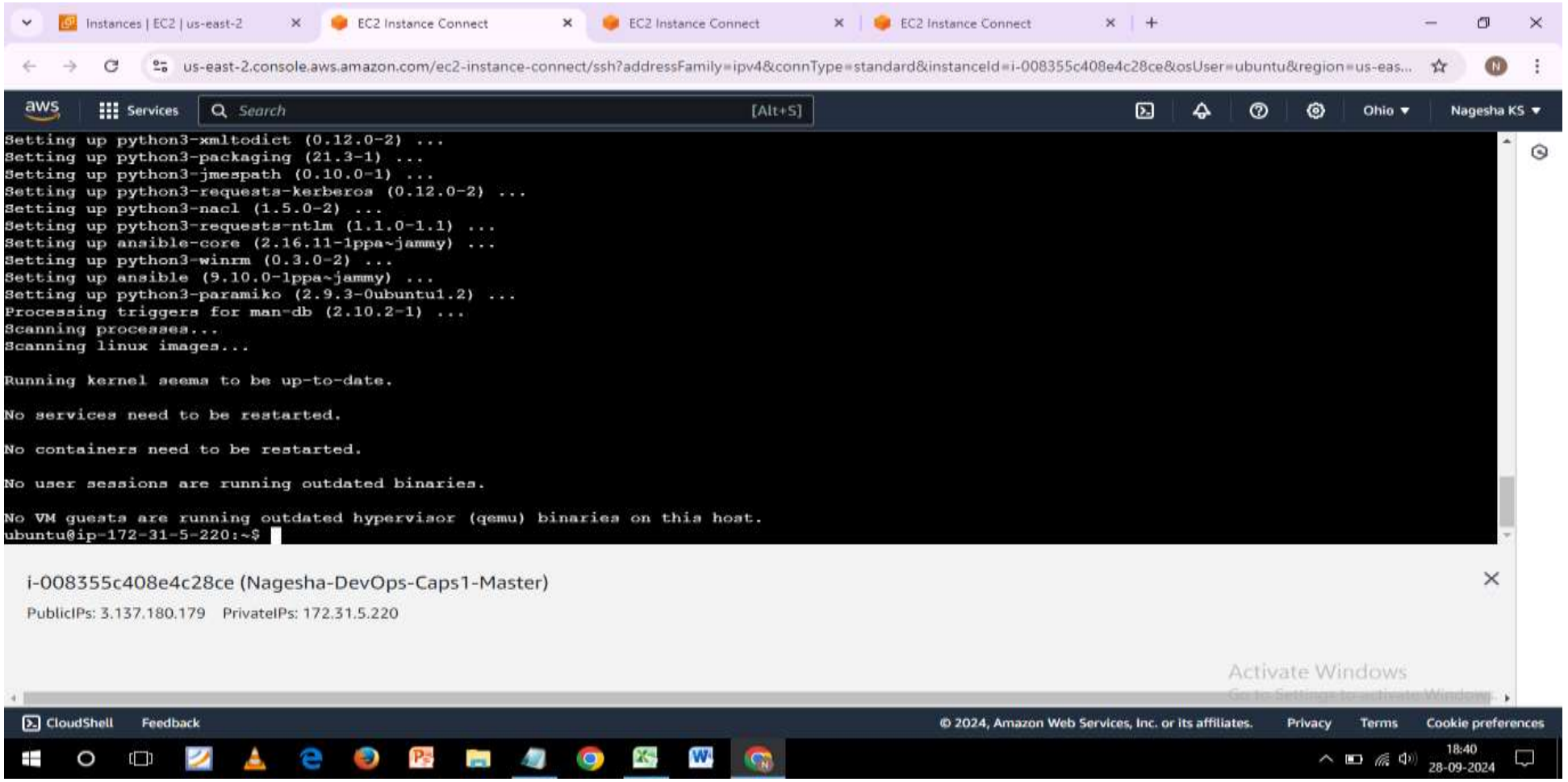
Instances | EC2 | us-east-2
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EC2 Instance Connect
us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-008355c408e4c28ce&osUser=ubuntu&region=us-eas...
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Setting up python3-xmltodict (0.12.0-2) ...
Setting up python3-packaging (21.3-1) ...
Setting up python3-jmespath (0.10.0-1) ...
Setting up python3-requests-kerberos (0.12.0-2) ...
Setting up python3-nacl (1.5.0-2) ...
Setting up python3-requests-ntlm (1.1.0-1.1) ...
Setting up ansible-core (2.16.11-1ppa~jammy) ...
Setting up python3-winrm (0.3.0-2) ...
Setting up ansible (9.10.0-1ppa~jammy) ...
Setting up python3-paramiko (2.9.3-0ubuntu1.2) ...
Processing triggers for man-db (2.10.2-1) ...
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.
ubuntu@ip-172-31-5-220:~$
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
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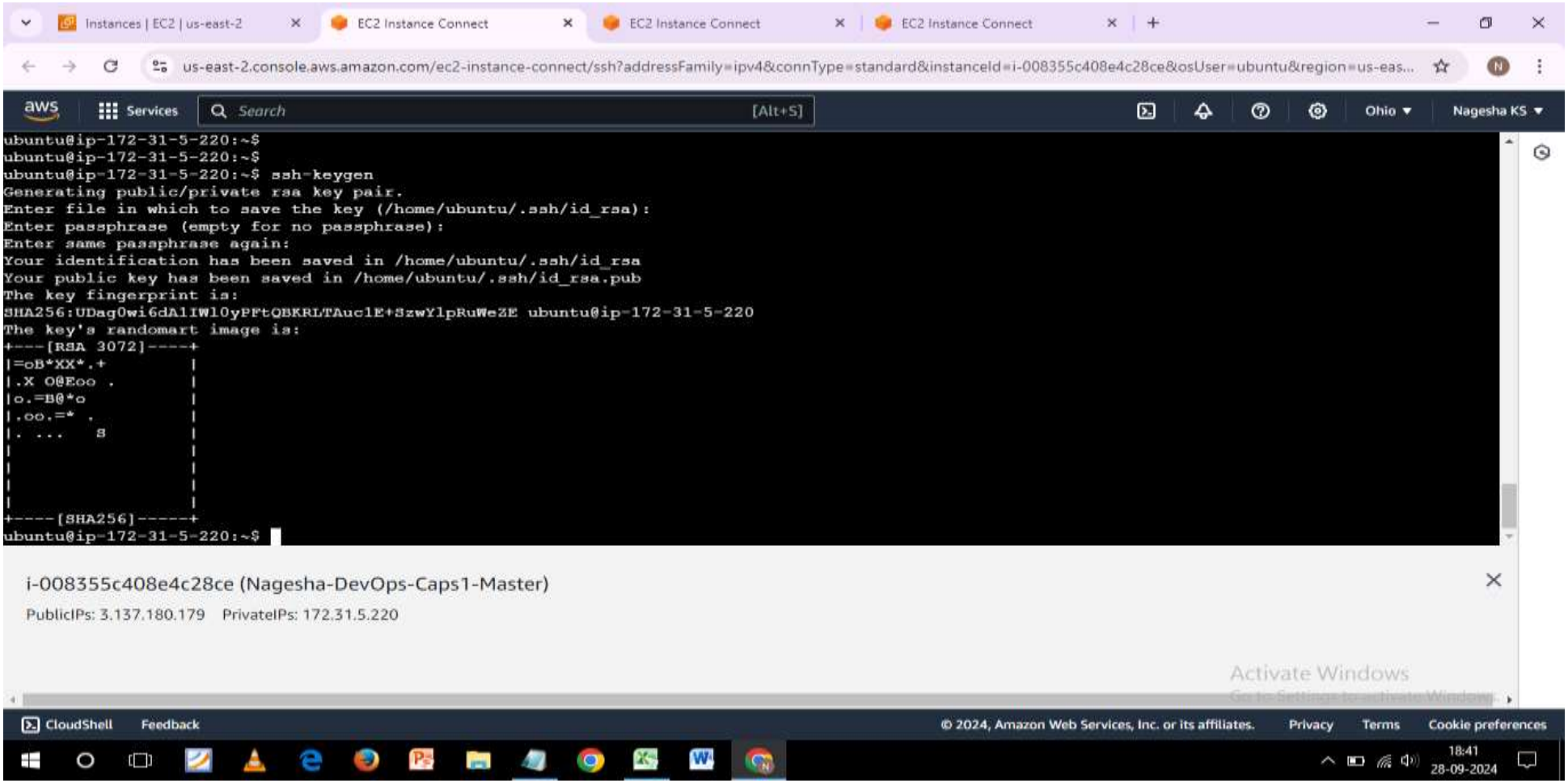
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EC2 Instance Connect
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us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-008355c408e4c28ce&osUser=ubuntu&region=us-eas...
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ubuntu@ip-172-31-5-220:~$
ubuntu@ip-172-31-5-220:~$
ubuntu@ip-172-31-5-220:~$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/ubuntu/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/ubuntu/.ssh/id_rsa
Your public key has been saved in /home/ubuntu/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:UDagOwi6dA1IWl0yPFtQBKRLTAuc1E+SzwYlpRuWeZE ubuntu@ip-172-31-5-220
The key's randomart image is:
+---[RSA 3072]----+
|=oB*XX*.+ |
|.X O@Eoo . |
|o.=B@*o |
|.oo.=* . |
|. ...   S |
| |
| |
| |
| |
+----[SHA256]-----+
ubuntu@ip-172-31-5-220:~$
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
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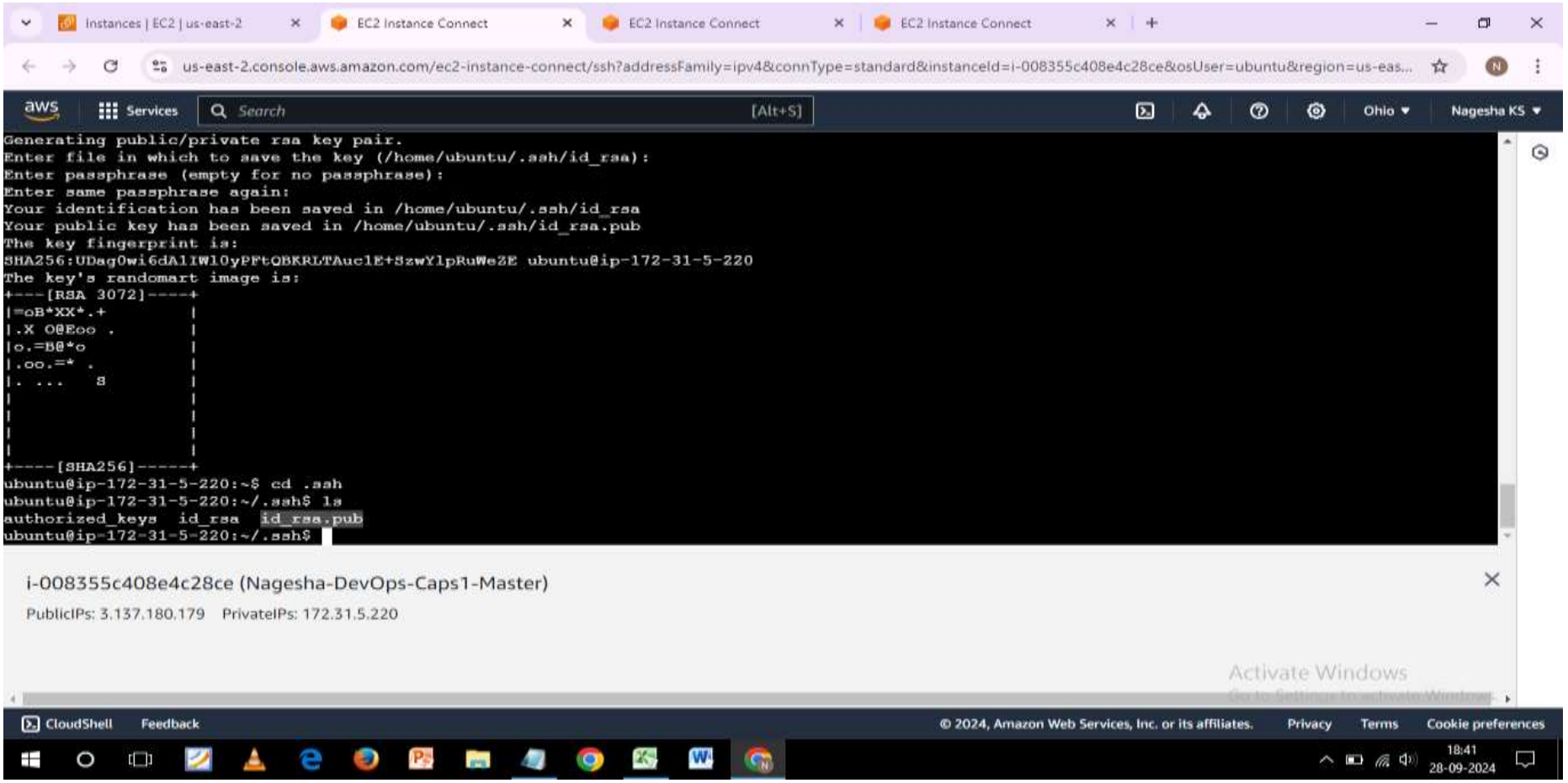
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EC2 Instance Connect
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us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-008355c408e4c28ce&osUser=ubuntu&region=us-eas...
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Generating public/private rsa key pair.
Enter file in which to save the key (/home/ubuntu/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
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Your identification has been saved in /home/ubuntu/.ssh/id_rsa
Your public key has been saved in /home/ubuntu/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:UDagOwi6dA1IWl0yPFtQBKRLTAuc1E+SzwYlpRuWe3E ubuntu@ip-172-31-5-220
The key's randomart image is:
+---[RSA 3072]----+
|=oB*XX*.+ |
|.X O@Eoo . |
|o.=B@*o |
|.oo.=* . |
|. ...   S |
| |
| |
| |
| |
+----[SHA256]-----+
ubuntu@ip-172-31-5-220:~$ cd .ssh
ubuntu@ip-172-31-5-220:~/.ssh$ ls
authorized_keys id_rsa id_rsa.pub
ubuntu@ip-172-31-5-220:~/.ssh$
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
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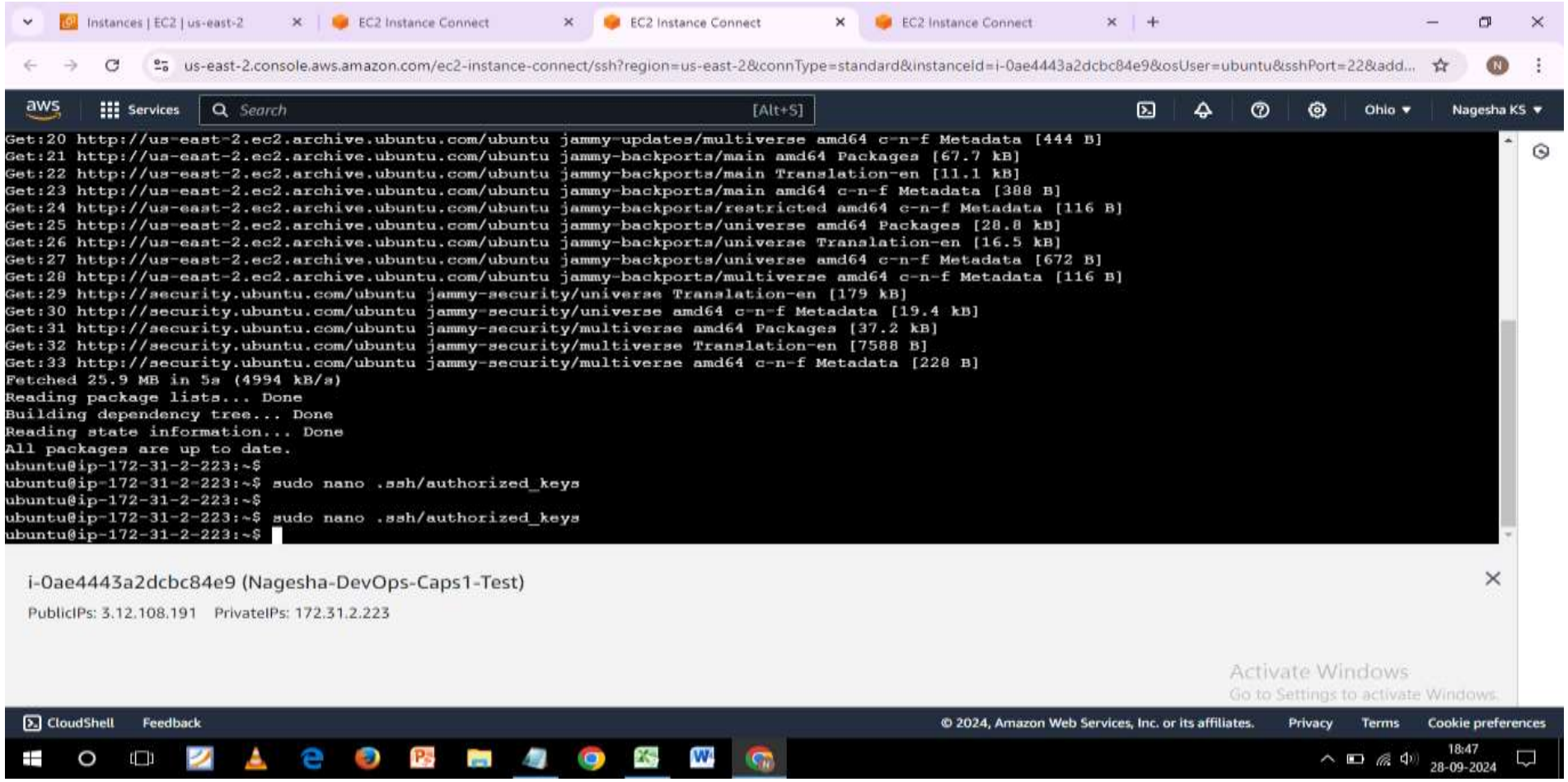
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EC2 Instance Connect
us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-0ae4443a2dcbc84e9&osUser=ubuntu&sshPort=22&add...
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Get:20 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [444 B]
Get:21 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [67.7 kB]
Get:22 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [11.1 kB]
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Get:29 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [179 kB]
Get:30 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [19.4 kB]
Get:31 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [37.2 kB]
Get:32 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [7588 B]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [228 B]
Fetched 25.9 MB in 5s (4994 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
ubuntu@ip-172-31-2-223:~$
ubuntu@ip-172-31-2-223:~$ sudo nano .ssh/authorized_keys
ubuntu@ip-172-31-2-223:~$
ubuntu@ip-172-31-2-223:~$ sudo nano .ssh/authorized_keys
ubuntu@ip-172-31-2-223:~$
i-0ae4443a2dcbc84e9 (Nagesha-DevOps-Caps1-Test)
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18:47
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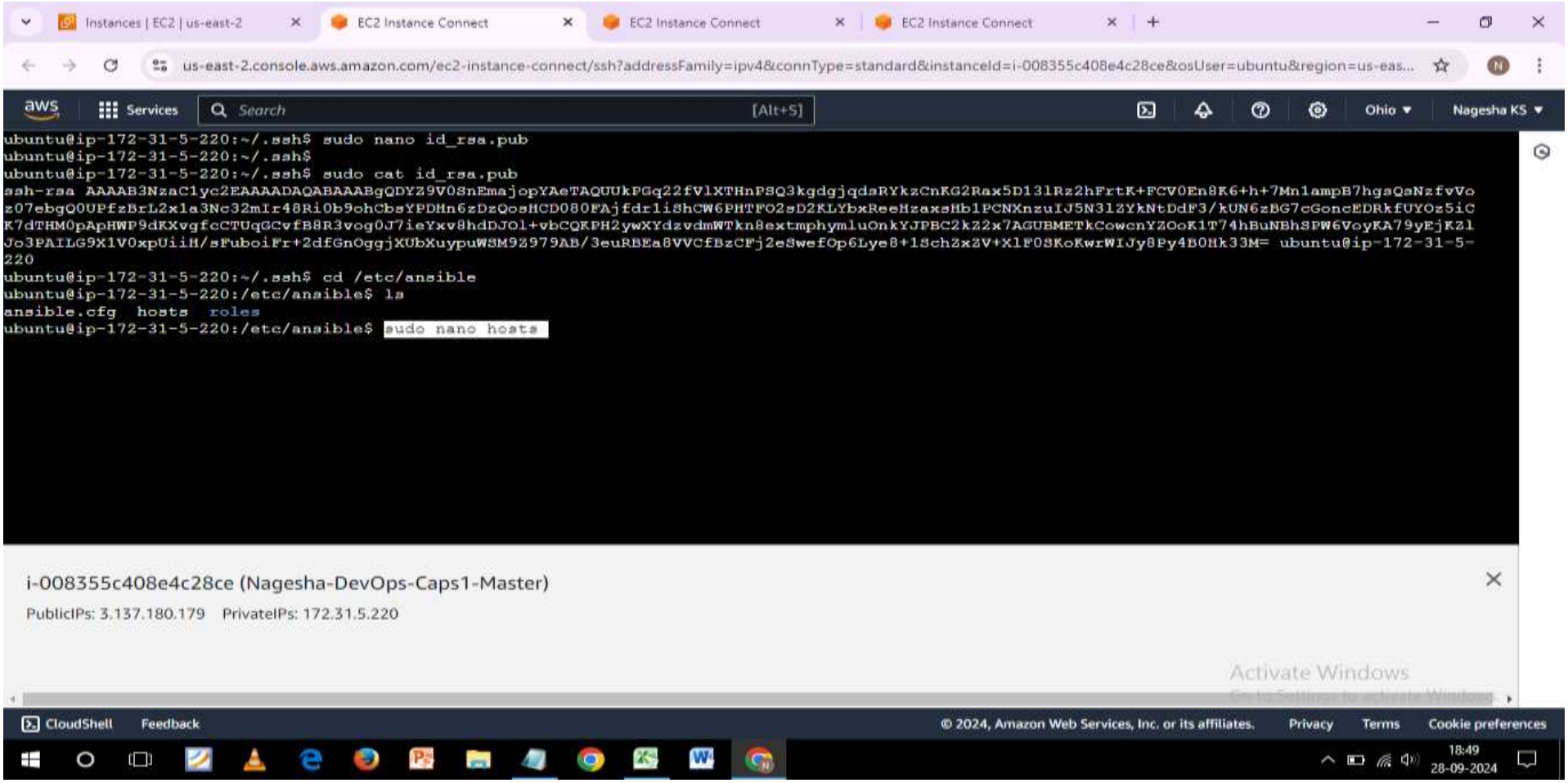
Instances | EC2 | us-east-2
EC2 Instance Connect
EC2 Instance Connect
EC2 Instance Connect
us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-008355c408e4c28ce&osUser=ubuntu&region=us-eas...
aws
Services
Search
[Alt+S]
Ohio
Nagesha KS
ubuntu@ip-172-31-5-220:~/.ssh$ sudo nano id_rsa.pub
ubuntu@ip-172-31-5-220:~/.ssh$
ubuntu@ip-172-31-5-220:~/.ssh$ sudo cat id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABgQDYZ9V0SnEmajopYAeTAQUUkPGq22fVlXTHnPSQ3kgdgjqdsRYkzCnKG2Rax5D131Rz2hFrtK+FCV0En8K6+h+7Mn1ampB7hgsQsNzfvVo
z07ebgQ0UPfzBrL2x1a3Nc32mIr48Ri0b9ohCbsYPDHn6zDzQosHCD080FAjfdr1i8hCW6PHTFO2sD2KLYbxReeHzaxsHb1PCNXnzuIJ5N312YkNtDdF3/kUN6zBG7cGoncEDRkfUYOz5iC
K7dTHM0pApHWP9dKXvgfcCTUqGCvfB8R3vog0J7ieYxv8hdDJOl+vbCQKPH2ywXYdzvdmWTkn8extmphymluOnkYJPBC2kZ2x7AGUBMETkCowcnYZOoK1T74hBuNBhSPW6VoyKA79yEjKZl
Jo3PAILG9X1V0xpUiiH/sFuboiFr+2dfGnOggjXUbXuypuW3M9Z979AB/3euRBEa8VVCfBzCFj2eSwefOp6Lye8+1SchZxZV+XlFO8KoKwrWIJy8Py4B0Hk33M= ubuntu@ip-172-31-5-
220
ubuntu@ip-172-31-5-220:~/.ssh$ cd /etc/ansible
ubuntu@ip-172-31-5-220:/etc/ansible$ ls
ansible.cfg hosts roles
ubuntu@ip-172-31-5-220:/etc/ansible$ sudo nano hosts
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
PublicIPs: 3.137.180.179 PrivateIPs: 172.31.5.220
Activate Windows
CloudShell
Feedback
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18:49
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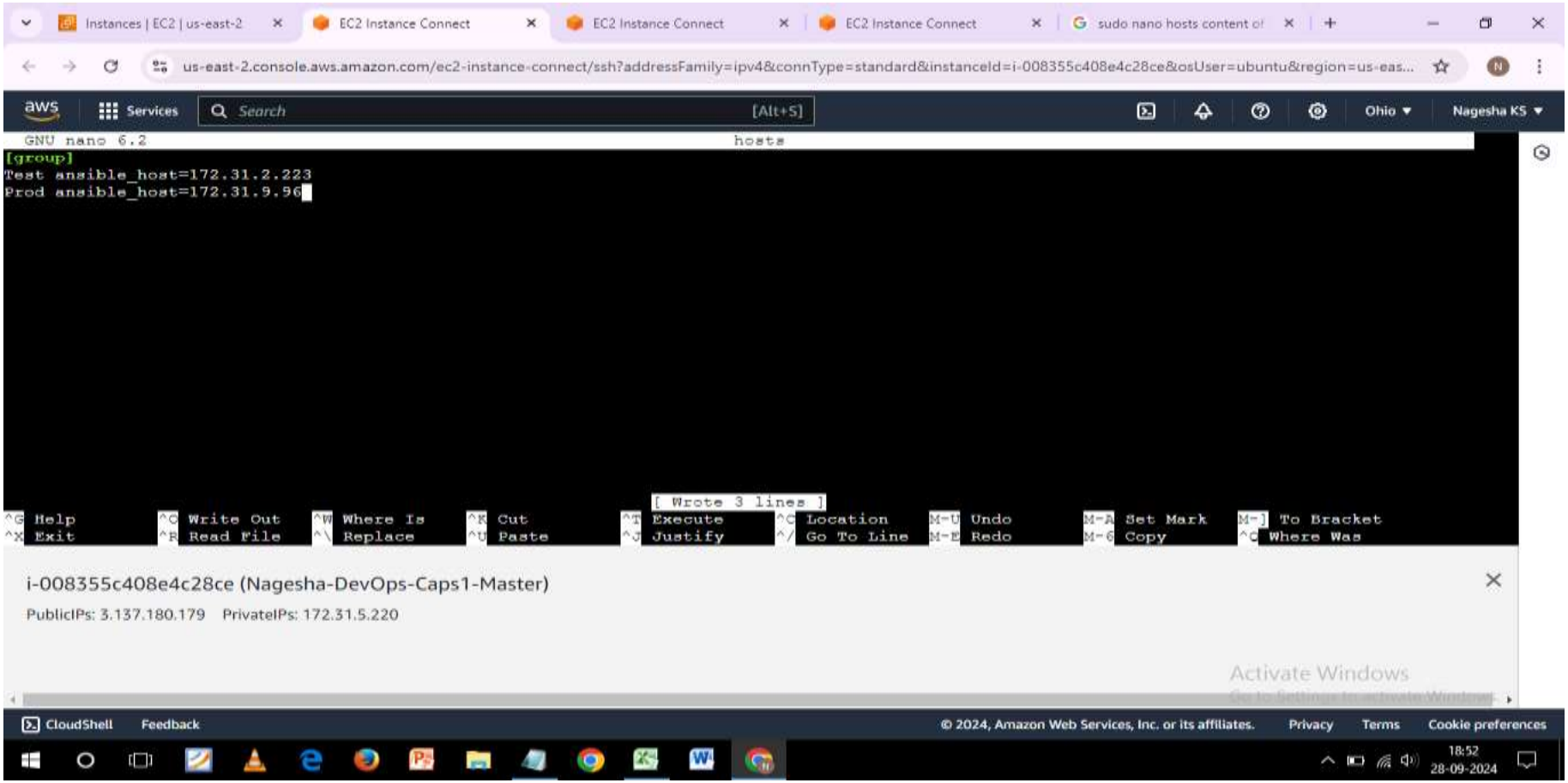
Instances | EC2 | us-east-2
EC2 Instance Connect
EC2 Instance Connect
EC2 Instance Connect
sudo nano hosts content of
us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-008355c408e4c28ce&osUser=ubuntu&region=us-eas...
aws
Services
Search
[Alt+S]
Ohio
Nagesha KS
GNU nano 6.2
hosts
[group]
Test ansible_host=172.31.2.223
Prod ansible_host=172.31.9.96
[Wrote 3 lines]
^G Help
^X Exit
^O Write Out
^R Read File
^W Where Is
^\ Replace
^K Cut
^U Paste
^T Execute
^J Justify
^C Location
^/ Go To Line
M-U Undo
M-E Redo
M-A Set Mark
M-6 Copy
M-] To Bracket
^C Where Was
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
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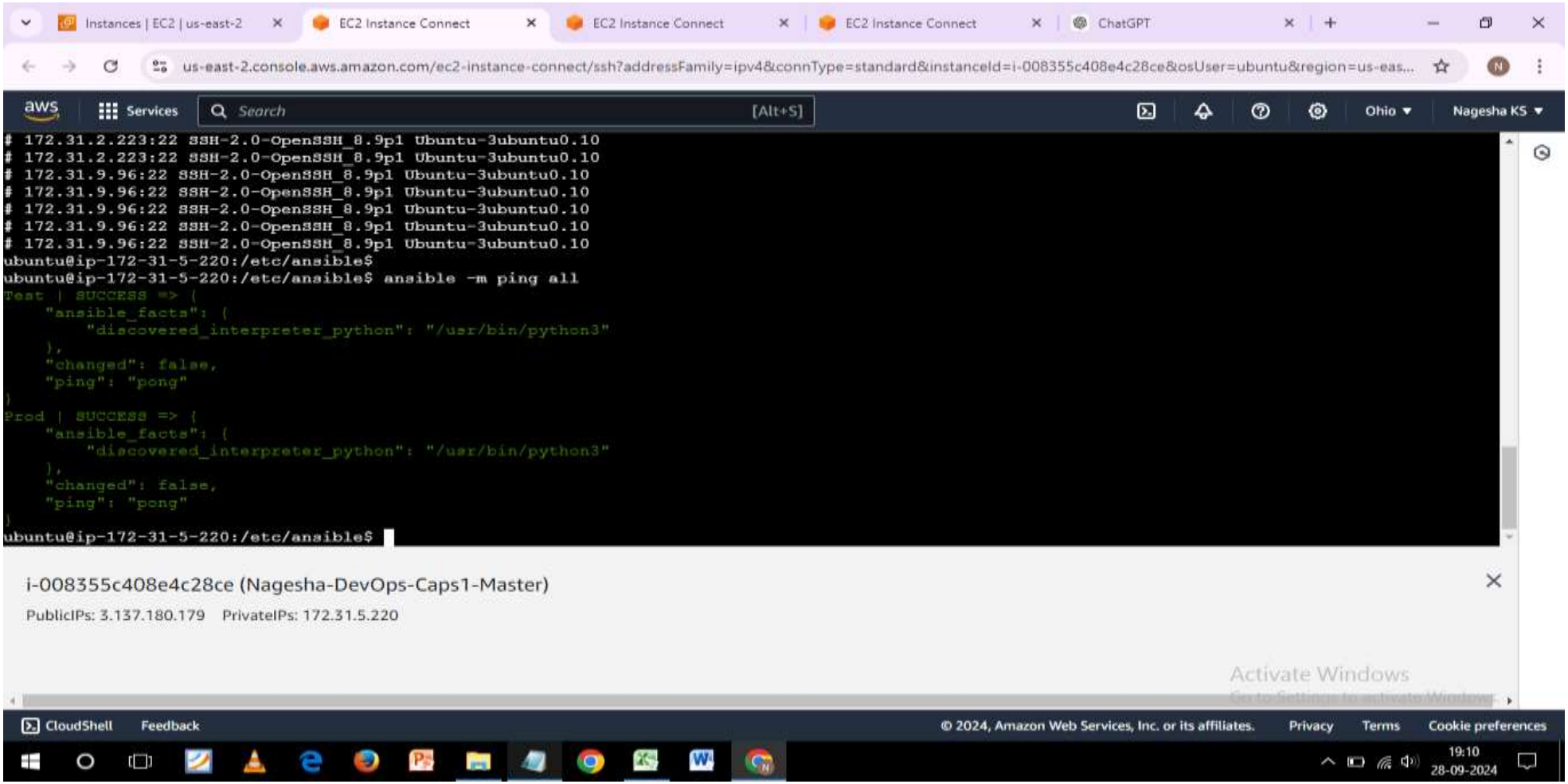
Instances | EC2 | us-east-2
EC2 Instance Connect
EC2 Instance Connect
EC2 Instance Connect
ChatGPT
us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-008355c408e4c28ce&osUser=ubuntu&region=us-eas...
aws
Services
Search
[Alt+S]
Ohio
Nagesha KS
172.31.2.223:22 SSH-2.0-OpenSSH_8.9p1 Ubuntu-3ubuntu0.10
172.31.2.223:22 SSH-2.0-OpenSSH_8.9p1 Ubuntu-3ubuntu0.10
172.31.9.96:22 SSH-2.0-OpenSSH_8.9p1 Ubuntu-3ubuntu0.10
172.31.9.96:22 SSH-2.0-OpenSSH_8.9p1 Ubuntu-3ubuntu0.10
172.31.9.96:22 SSH-2.0-OpenSSH_8.9p1 Ubuntu-3ubuntu0.10
172.31.9.96:22 SSH-2.0-OpenSSH_8.9p1 Ubuntu-3ubuntu0.10
172.31.9.96:22 SSH-2.0-OpenSSH_8.9p1 Ubuntu-3ubuntu0.10
ubuntu@ip-172-31-5-220:/etc/ansible$
ubuntu@ip-172-31-5-220:/etc/ansible$ ansible -m ping all
Test | SUCCESS => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python3"
},
"changed": false,
"ping": "pong"
}
Prod | SUCCESS => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python3"
},
"changed": false,
"ping": "pong"
}
ubuntu@ip-172-31-5-220:/etc/ansible$
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
PublicIPs: 3.137.180.179 PrivateIPs: 172.31.5.220
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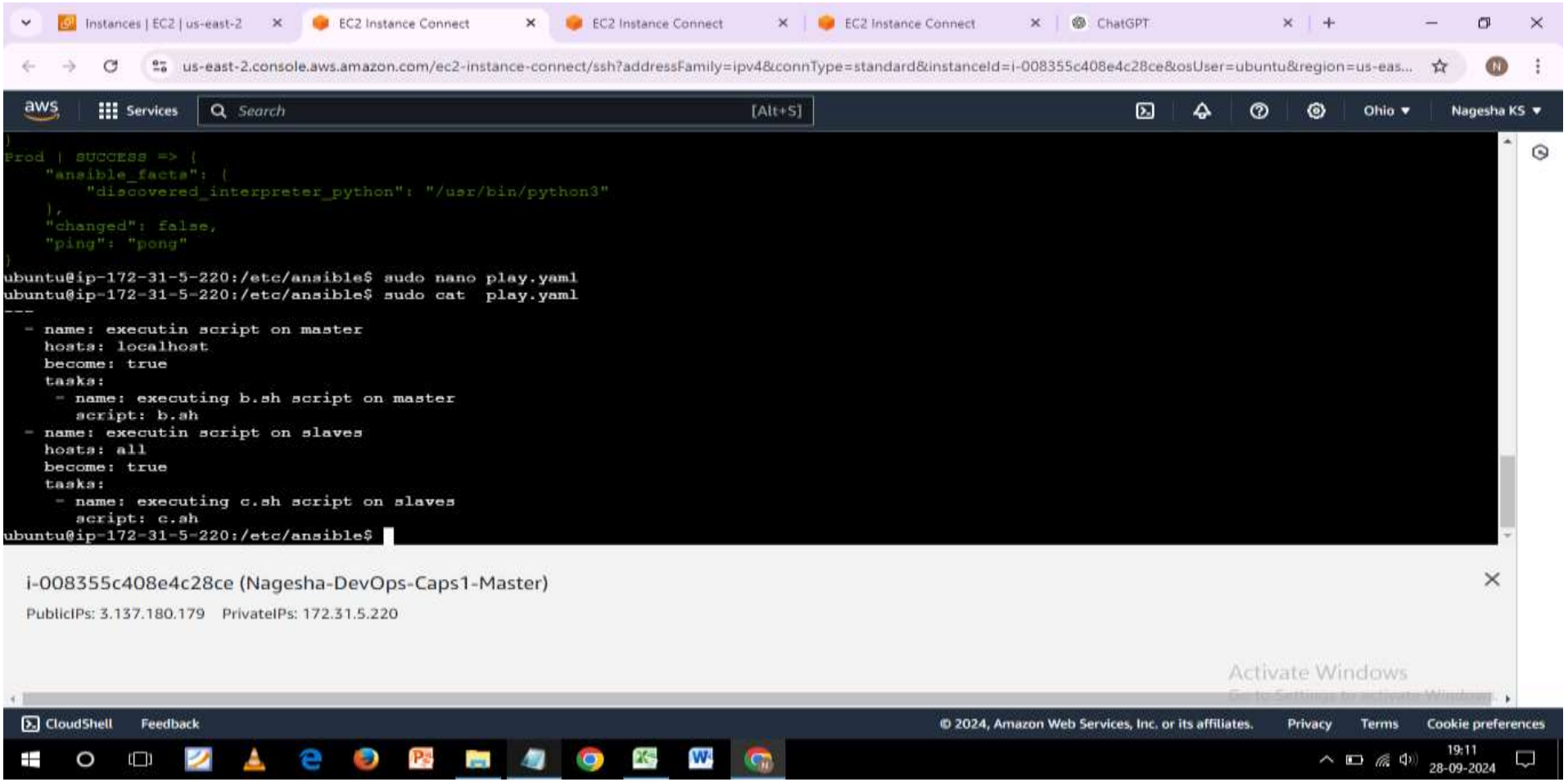
Instances | EC2 | us-east-2
EC2 Instance Connect
EC2 Instance Connect
EC2 Instance Connect
ChatGPT
us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-008355c408e4c28ce&osUser=ubuntu&region=us-eas...
aws
Services
Search
[Alt+S]
Ohio
Nagesha KS
}
Prod | SUCCESS => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python3"
},
"changed": false,
"ping": "pong"
}
ubuntu@ip-172-31-5-220:/etc/ansible$ sudo nano play.yaml
ubuntu@ip-172-31-5-220:/etc/ansible$ sudo cat play.yaml

- name: executin script on master
hosts: localhost
become: true
tasks:
- name: executing b.sh script on master
script: b.sh
- name: executin script on slaves
hosts: all
become: true
tasks:
- name: executing c.sh script on slaves
script: c.sh
ubuntu@ip-172-31-5-220:/etc/ansible$
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
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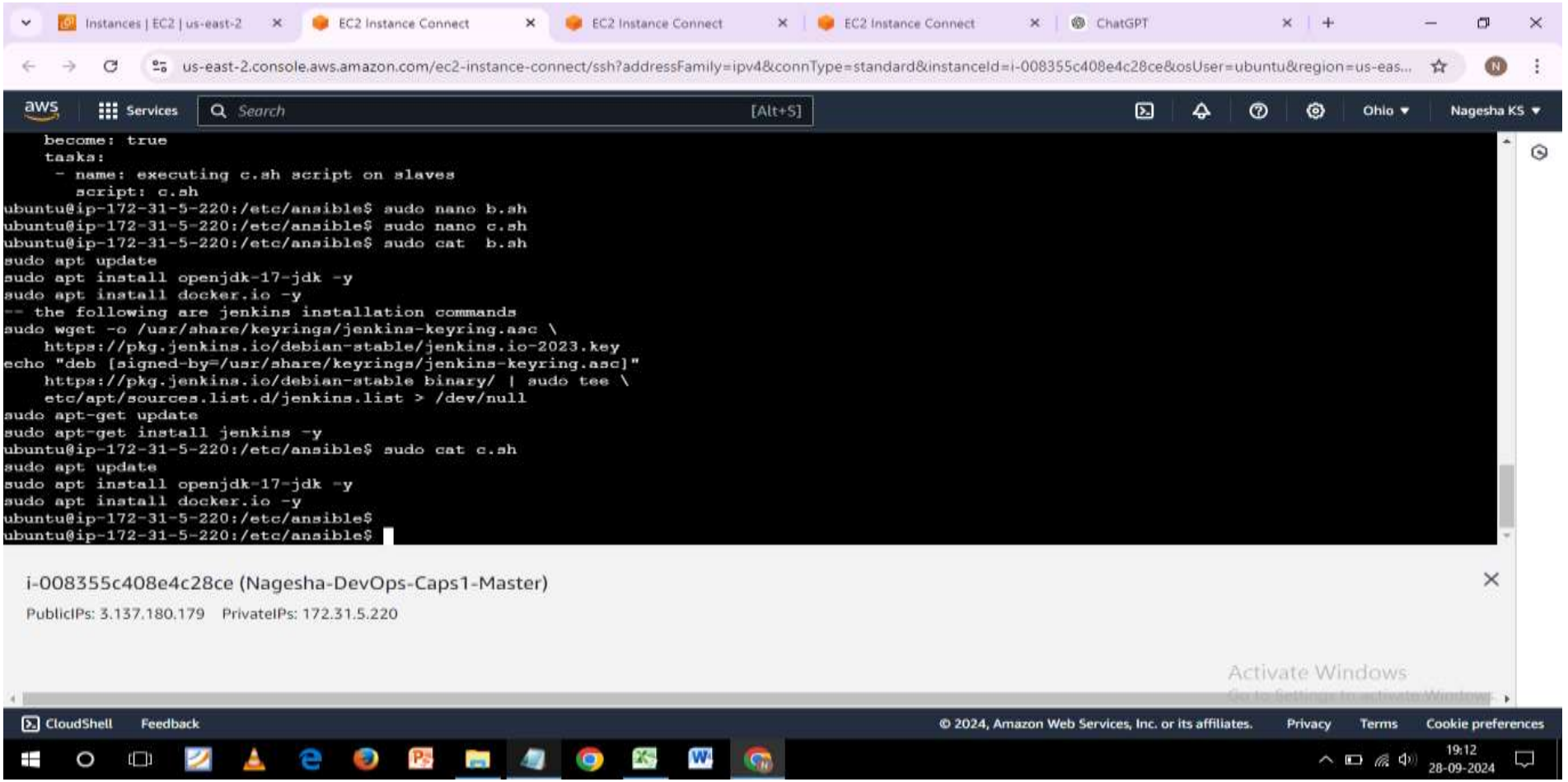
28-09-2024


Instances | EC2 | us-east-2
EC2 Instance Connect
EC2 Instance Connect
EC2 Instance Connect
ChatGPT
us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-008355c408e4c28ce&osUser=ubuntu&region=us-eas...
aws
Services
Search
[Alt+S]
Ohio
Nagesha KS
become: true
tasks:
- name: executing c.sh script on slaves
script: c.sh
ubuntu@ip-172-31-5-220:/etc/ansible$ sudo nano b.sh
ubuntu@ip-172-31-5-220:/etc/ansible$ sudo nano c.sh
ubuntu@ip-172-31-5-220:/etc/ansible$ sudo cat b.sh
sudo apt update
sudo apt install openjdk-17-jdk -y
sudo apt install docker.io -y
-- the following are jenkins installation commands
sudo wget -o /usr/share/keyrings/jenkins-keyring.asc \
https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key
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-get update
sudo apt-get install jenkins -y
ubuntu@ip-172-31-5-220:/etc/ansible$ sudo cat c.sh
sudo apt update
sudo apt install openjdk-17-jdk -y
sudo apt install docker.io -y
ubuntu@ip-172-31-5-220:/etc/ansible$
ubuntu@ip-172-31-5-220:/etc/ansible$
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
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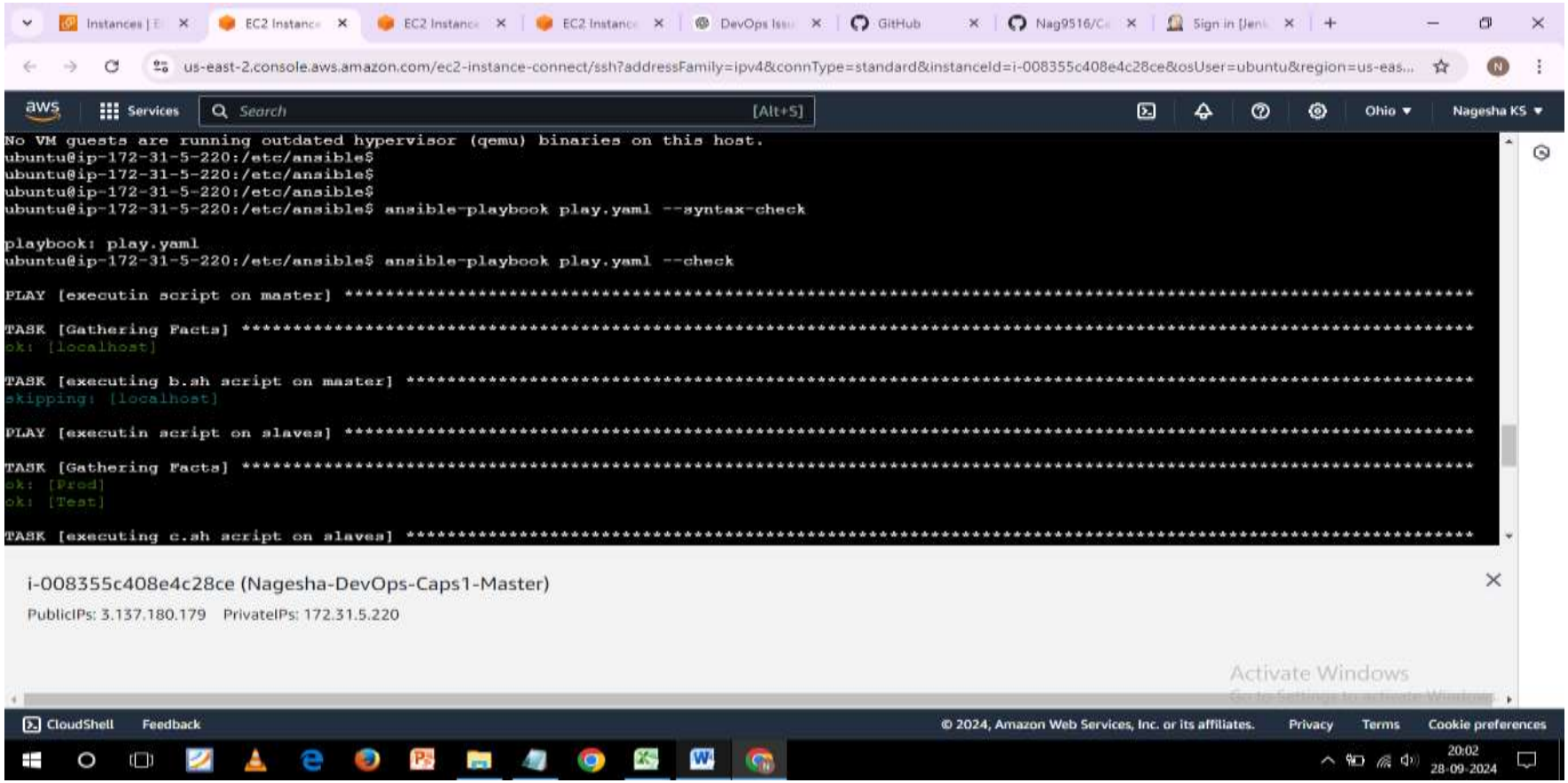
28-09-2024


us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-008355c408e4c28ce&osUser=ubuntu&region=us-eas...
Services
Search
[Alt+S]
Ohio
Nagesha KS
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-5-220:/etc/ansible$
ubuntu@ip-172-31-5-220:/etc/ansible$
ubuntu@ip-172-31-5-220:/etc/ansible$
ubuntu@ip-172-31-5-220:/etc/ansible$ ansible-playbook play.yaml --syntax-check
playbook: play.yaml
ubuntu@ip-172-31-5-220:/etc/ansible$ ansible-playbook play.yaml --check
PLAY [executin script on master] ***********
TASK [Gathering Facts] ***********
ok: [localhost]
TASK [executing b.sh script on master] ***********
skipping: [localhost]
PLAY [executin script on slaves] ***********
TASK [Gathering Facts] ***********
ok: [Prod]
ok: [Test]
TASK [executing c.sh script on slaves] ***********
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
PublicIPs: 3.137.180.179 PrivateIPs: 172.31.5.220
Activate Windows
CloudShell
Feedback
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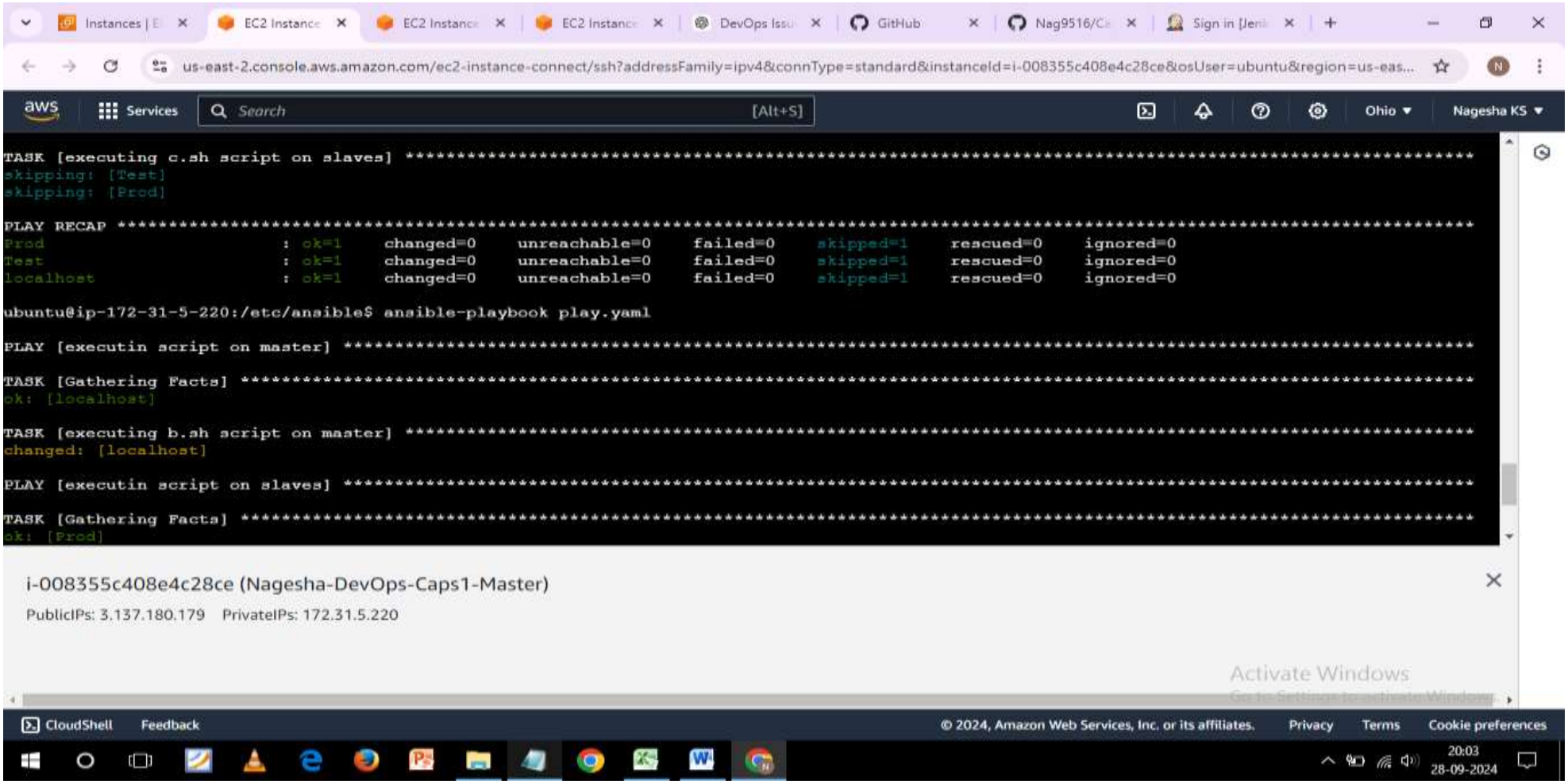
20:02
28-09-2024


Instances | E
EC2 Instance
EC2 Instance
EC2 Instance
DevOps Issu
GitHub
Nag9516/Ca
Sign in [Jenk
us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-008355c408e4c28ce&osUser=ubuntu&region=us-eas...
aws
Services
Search
[Alt+S]
Ohio
Nagesha KS
TASK [executing c.sh script on slaves] **
skipping: [Test]
skipping: [Prod]
PLAY RECAP **
Prod : ok=1 changed=0 unreachable=0 failed=0 skipped=1 rescued=0 ignored=0
Test : ok=1 changed=0 unreachable=0 failed=0 skipped=1 rescued=0 ignored=0
localhost : ok=1 changed=0 unreachable=0 failed=0 skipped=1 rescued=0 ignored=0
ubuntu@ip-172-31-5-220:/etc/ansible$ ansible-playbook play.yaml
PLAY [executin script on master] **
TASK [Gathering Facts] **
ok: [localhost]
TASK [executing b.sh script on master] **
changed: [localhost]
PLAY [executin script on slaves] **
TASK [Gathering Facts] **
ok: [Prod]
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
PublicIPs: 3.137.180.179 PrivateIPs: 172.31.5.220
Activate Windows
CloudShell
Feedback
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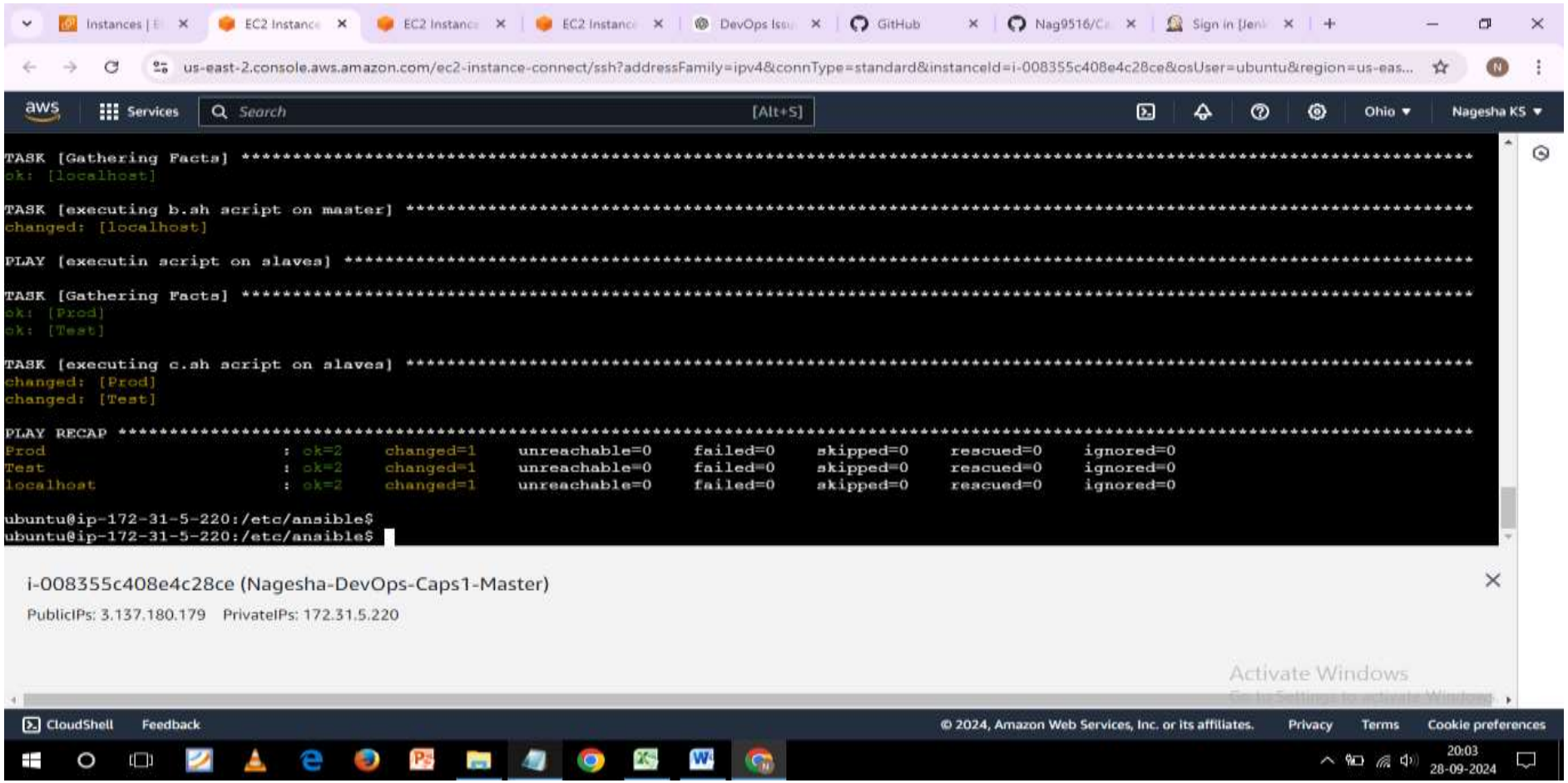
Terms
Cookie preferences
20:03
28-09-2024


Instances | E
EC2 Instance
EC2 Instance
EC2 Instance
DevOps Issu
GitHub
Nag9516/C
Sign in [Jen
us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-008355c408e4c28ce&osUser=ubuntu&region=us-eas...
aws
Services
Search
[Alt+S]
Ohio
Nagesha KS
TASK [Gathering Facts] ***********
ok: [localhost]
TASK [executing b.sh script on master] ***********
changed: [localhost]
PLAY [executin script on slaves] ***********
TASK [Gathering Facts] ***********
ok: [Prod]
ok: [Test]
TASK [executing c.sh script on slaves] ***********
changed: [Prod]
changed: [Test]
PLAY RECAP ***********
Prod : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
Test : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
localhost : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
ubuntu@ip-172-31-5-220:/etc/ansible$
ubuntu@ip-172-31-5-220:/etc/ansible$
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
PublicIPs: 3.137.180.179 PrivateIPs: 172.31.5.220
Activate Windows
CloudShell
Feedback
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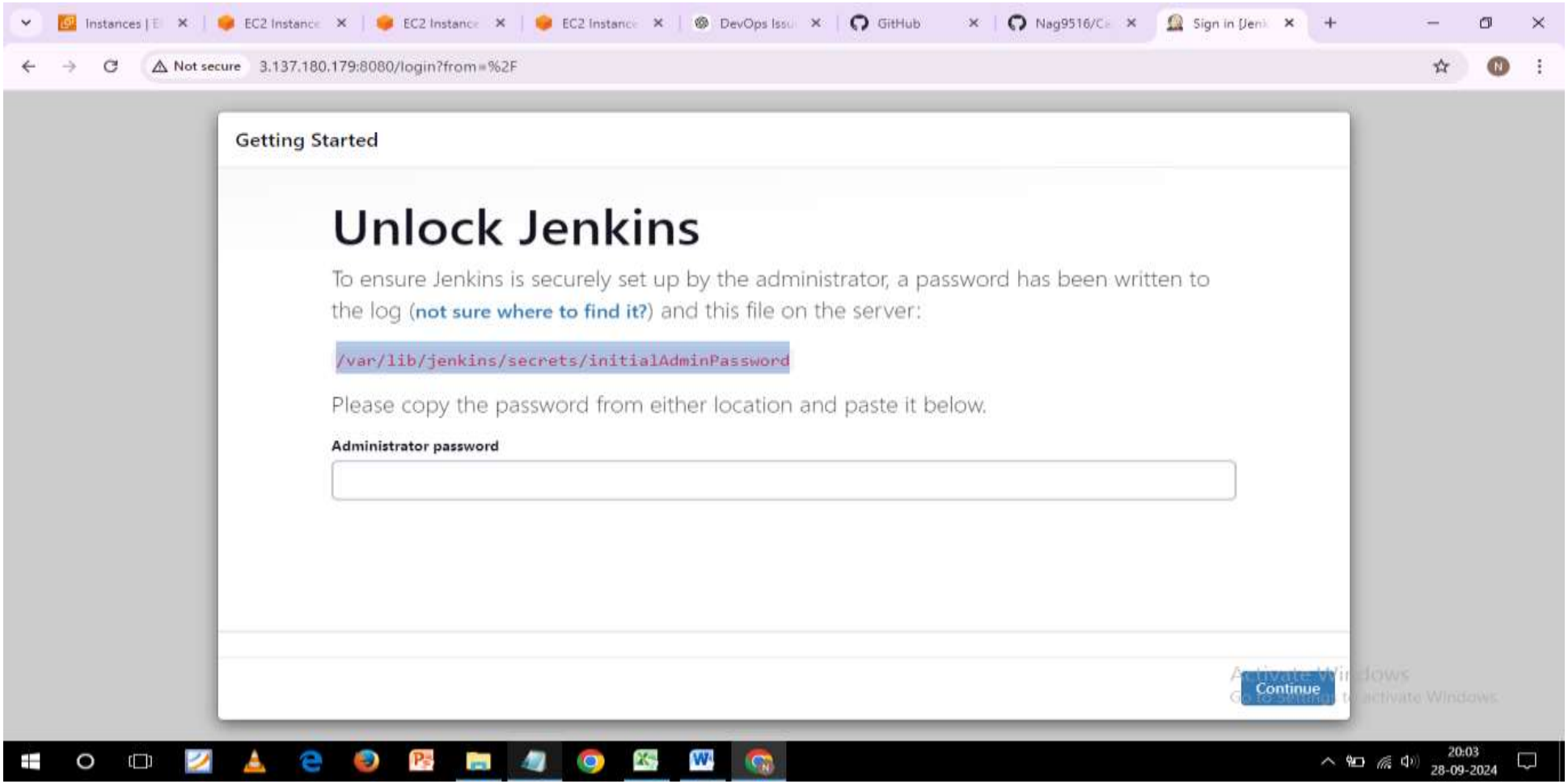
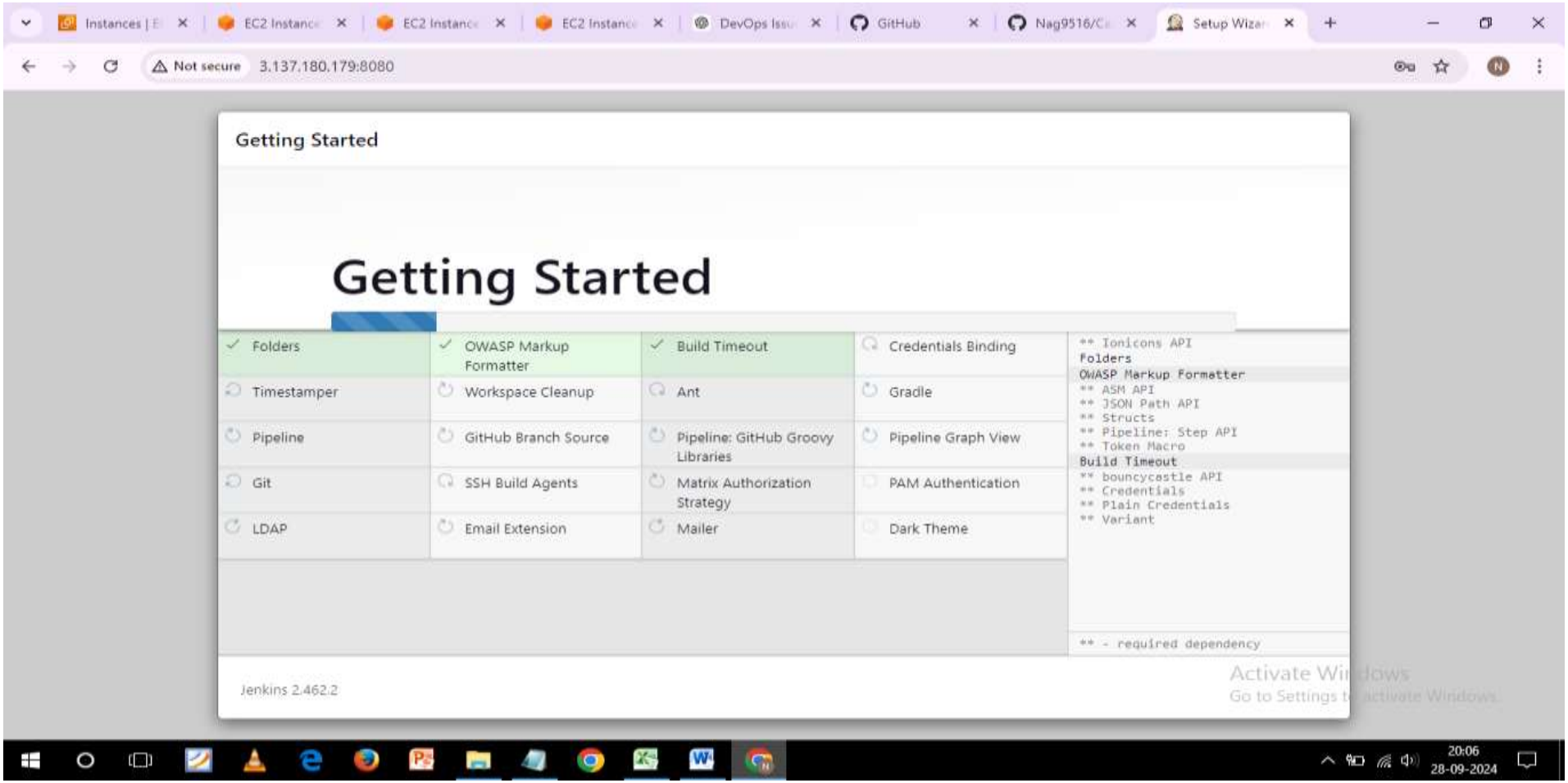
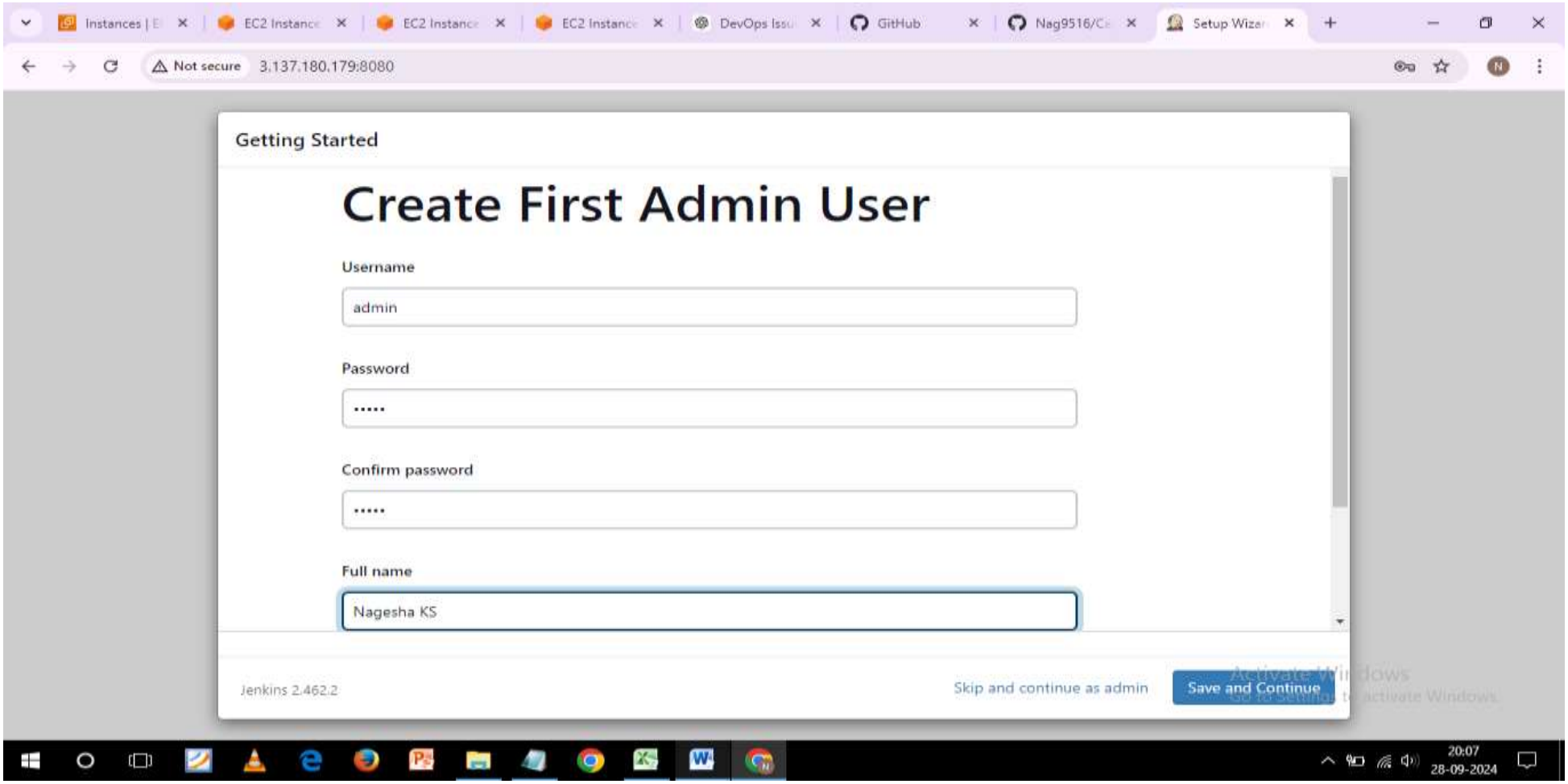
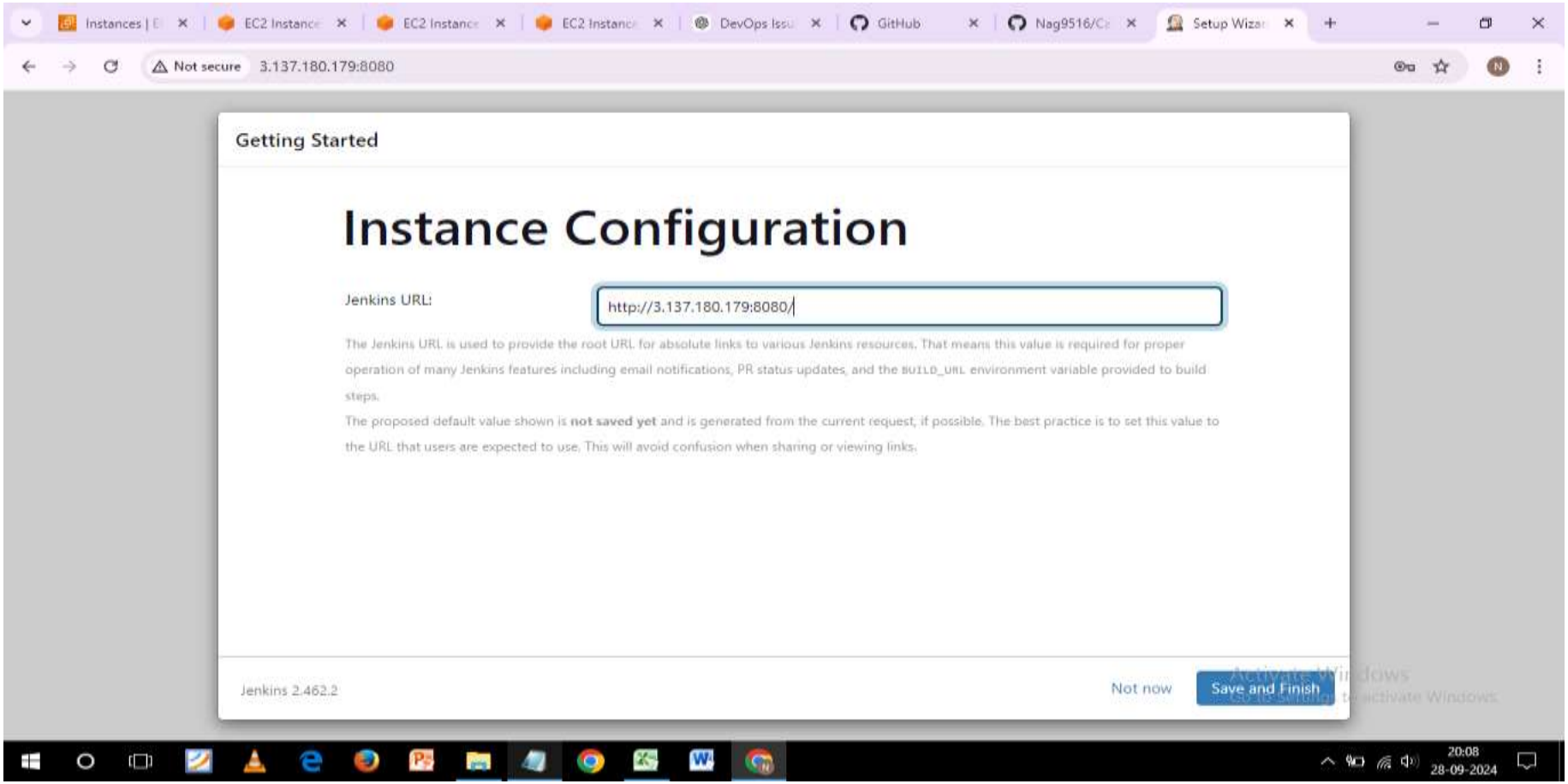
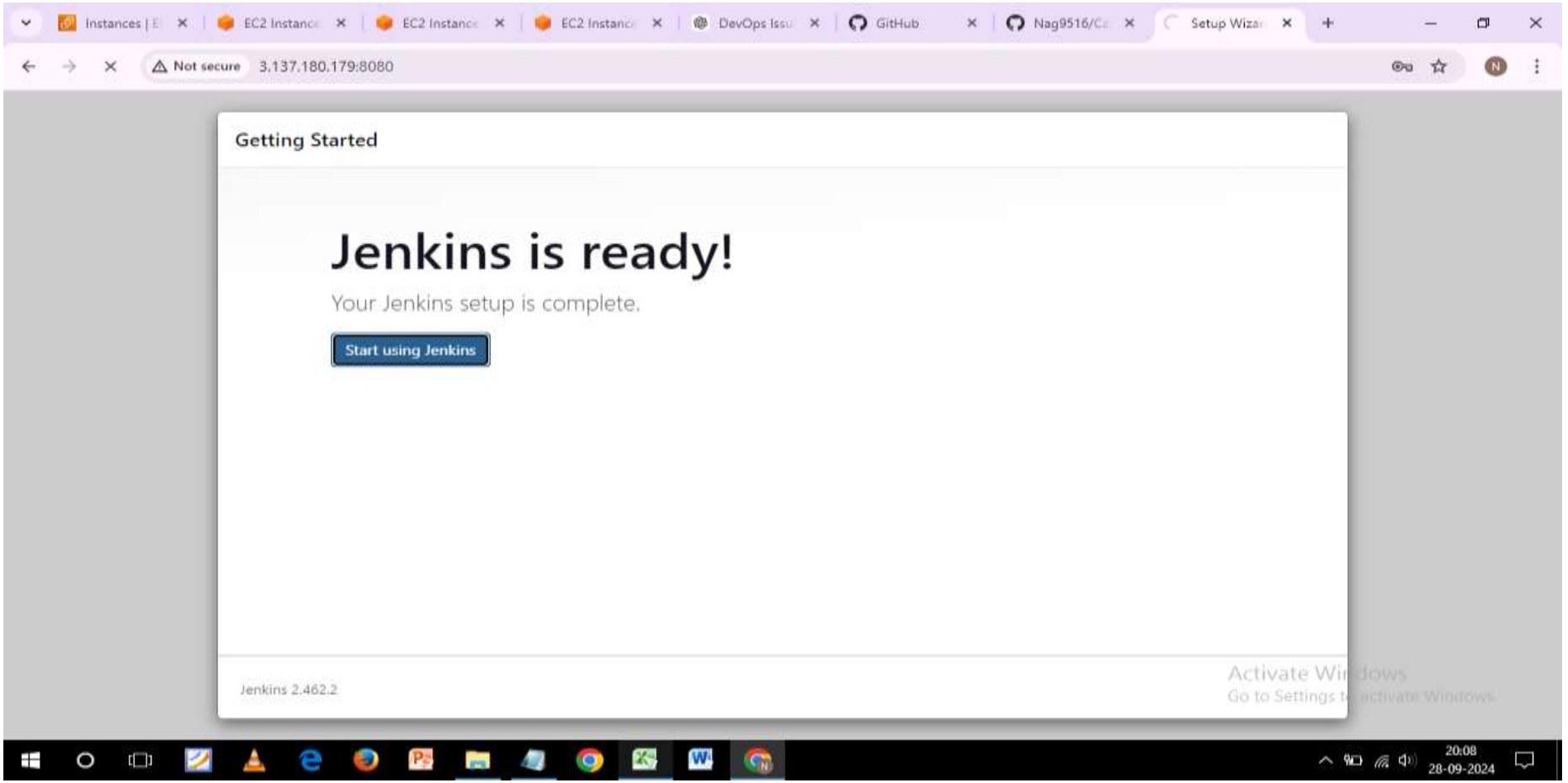
20:03
28-09-2024

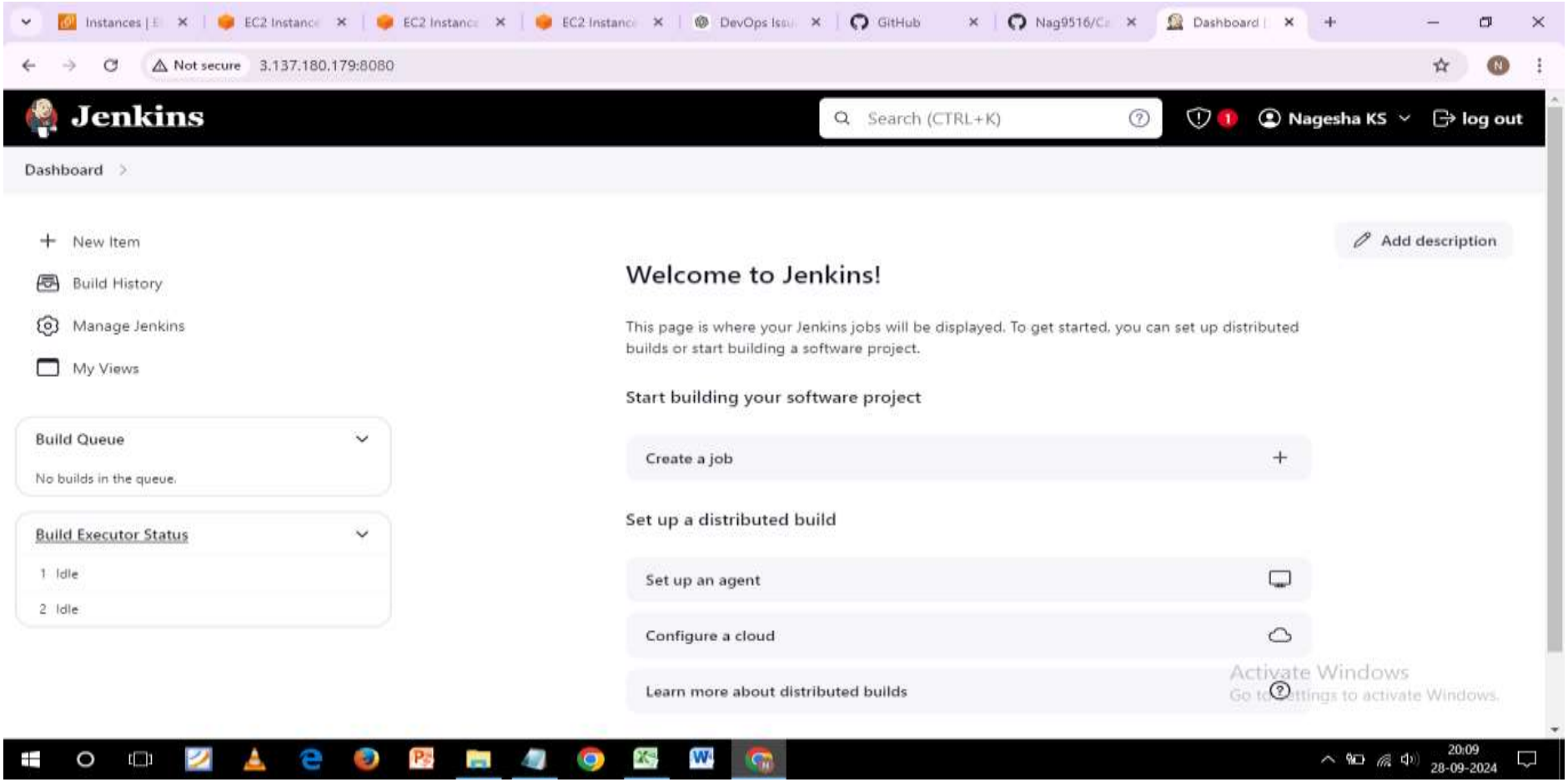

Instances | E
EC2 Instance
EC2 Instance
EC2 Instance
DevOps Issu
GitHub
Nag9516/Ce
Sign in [Jenk
Not secure
3.137.180.179:8080/login?from=%2F
Getting Started
Unlock Jenkins
To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server:
/var/lib/jenkins/secrets/initialAdminPassword
Please copy the password from either location and paste it below.
Administrator password
Continue
Activate Windows
Go to Settings to activate Windows.
20:03
28-09-2024

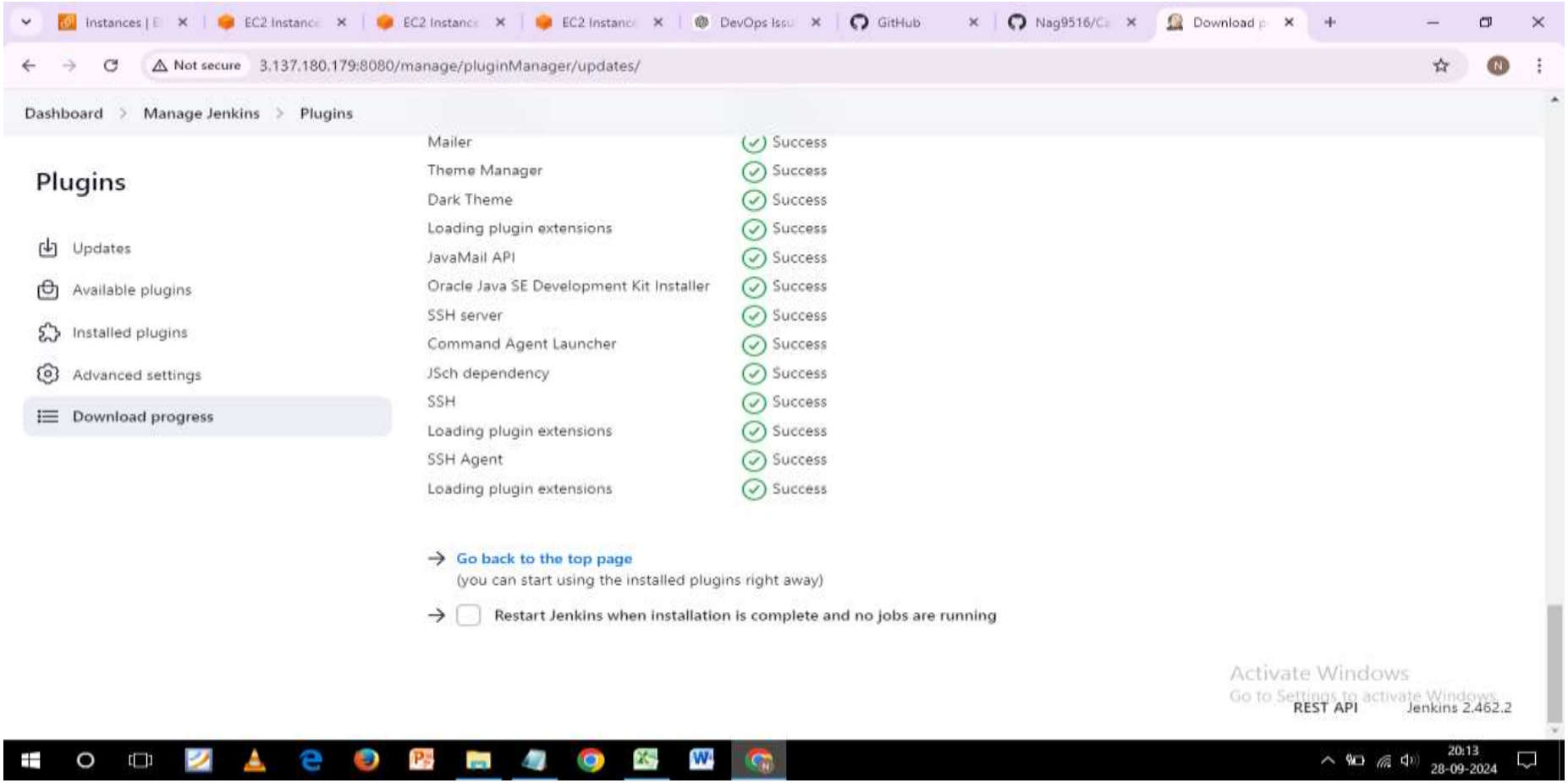

Instances | E
EC2 Instance
EC2 Instance
EC2 Instance
DevOps Issu
GitHub
Nag9516/C
Setup Wizar
Not secure
3.137.180.179:8080
Getting Started
Getting Started
Folders
OWASP Markup Formatter
Build Timeout
Credentials Binding
Timestamper
Workspace Cleanup
Ant
Gradle
Pipeline
GitHub Branch Source
Pipeline: GitHub Groovy Libraries
Pipeline Graph View
Git
SSH Build Agents
Matrix Authorization Strategy
PAM Authentication
LDAP
Email Extension
Mailer
Dark Theme
** Ionicons API
Folders
OWASP Markup Formatter
** ASM API
** JSON Path API
** Structs
** Pipeline: Step API
** Token Macro
Build Timeout
** bouncycastle API
** Credentials
** Plain Credentials
** Variant
** - required dependency
Jenkins 2.462.2
Activate Windows
Go to Settings to activate Windows.
20:06
28-09-2024

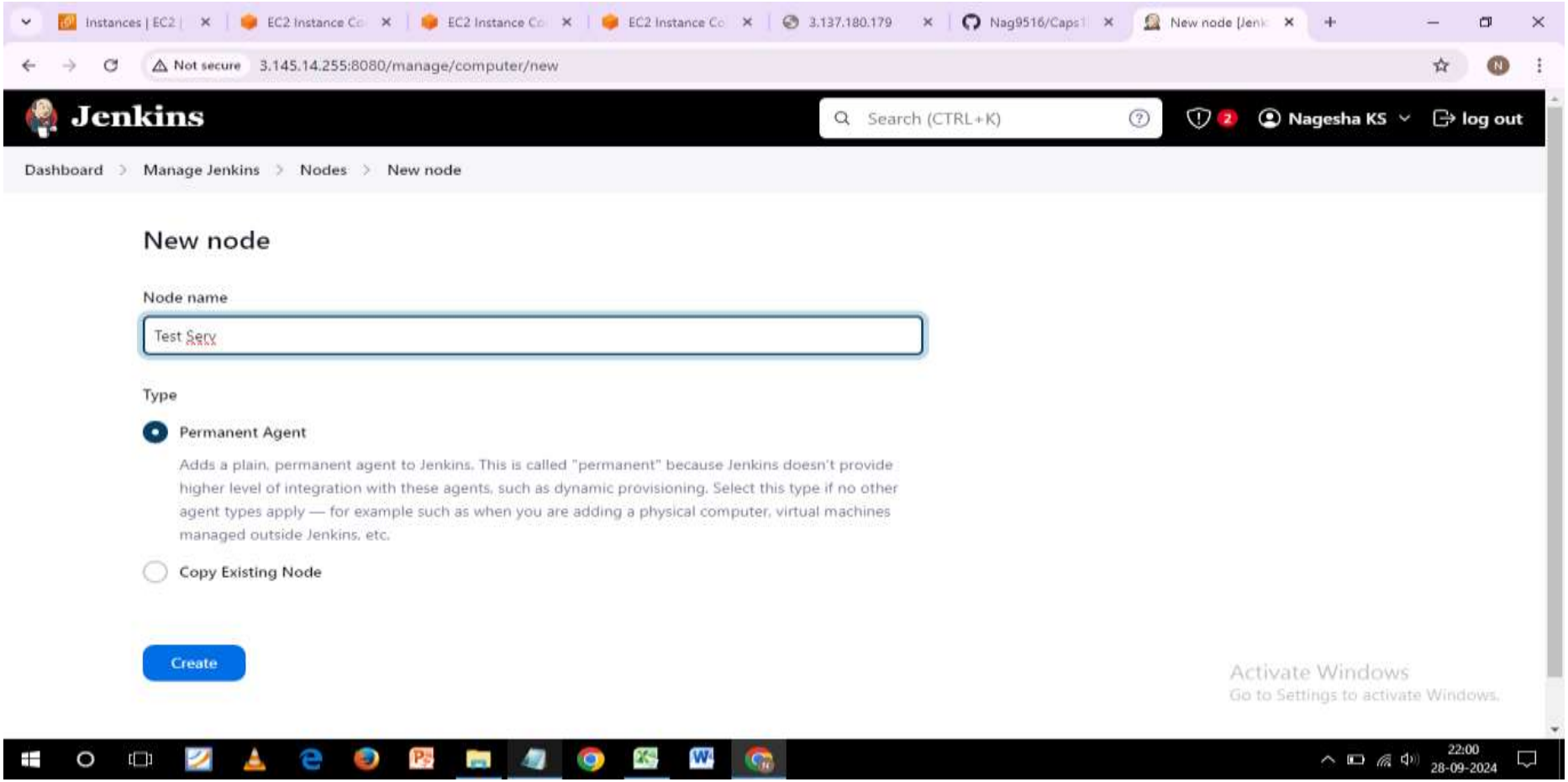

Not secure
3.137.180.179:8080
Getting Started
Create First Admin User
Username
admin
Password
Confirm password
Full name
Nagesha KS
Jenkins 2.462.2
Skip and continue as admin
Save and Continue
20:07
28-09-2024

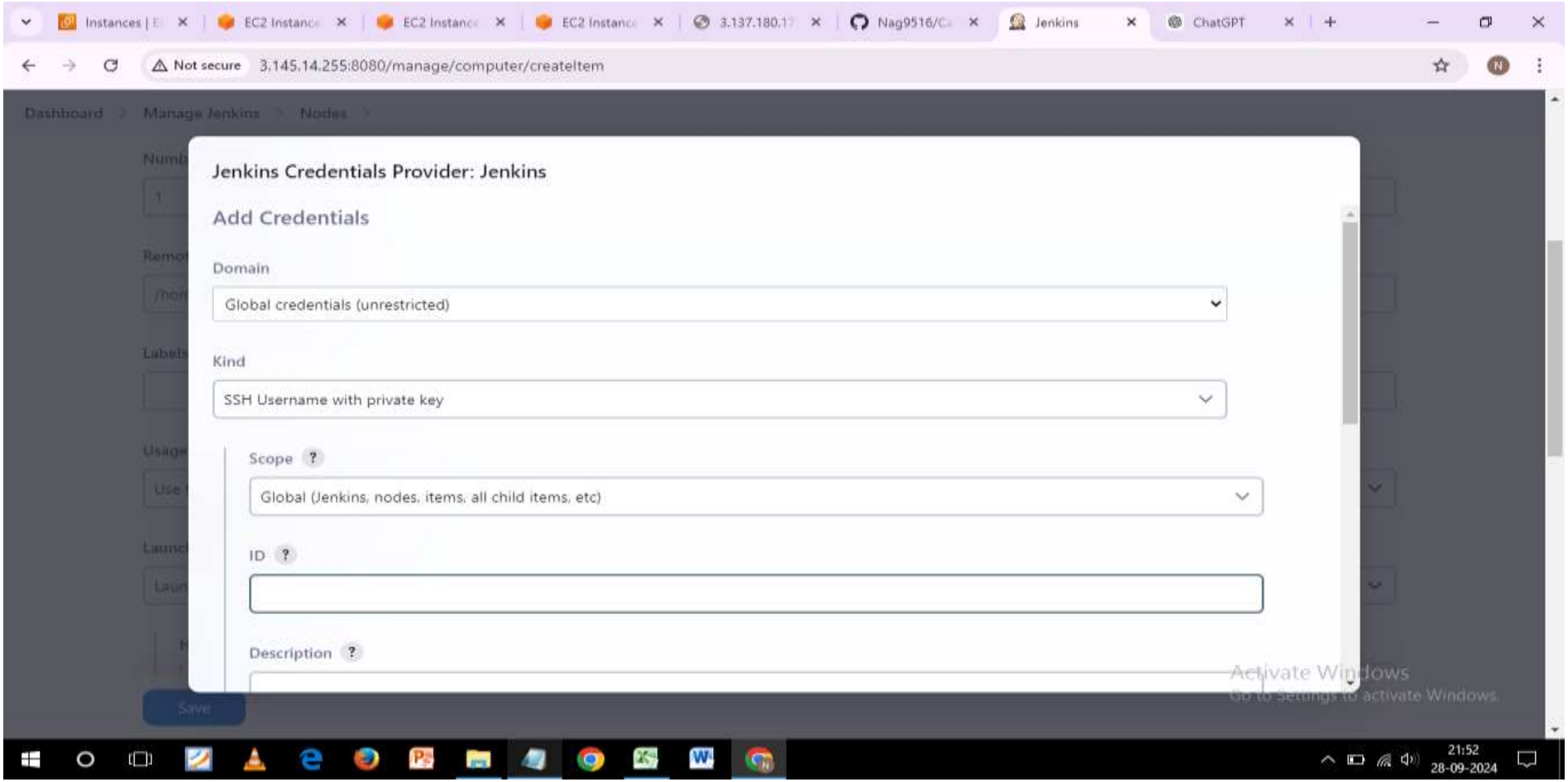

Instances | E
EC2 Instance
EC2 Instance
EC2 Instance
DevOps Issu
GitHub
Nag9516/C
Setup Wizar
Not secure
3.137.180.179:8080
Getting Started
Instance Configuration
Jenkins URL:
http://3.137.180.179:8080/
The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the BUILD_URL environment variable provided to build steps.
The proposed default value shown is not saved yet and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.
Jenkins 2.462.2
Not now
Save and Finish
Activate Windows
20:08
28-09-2024

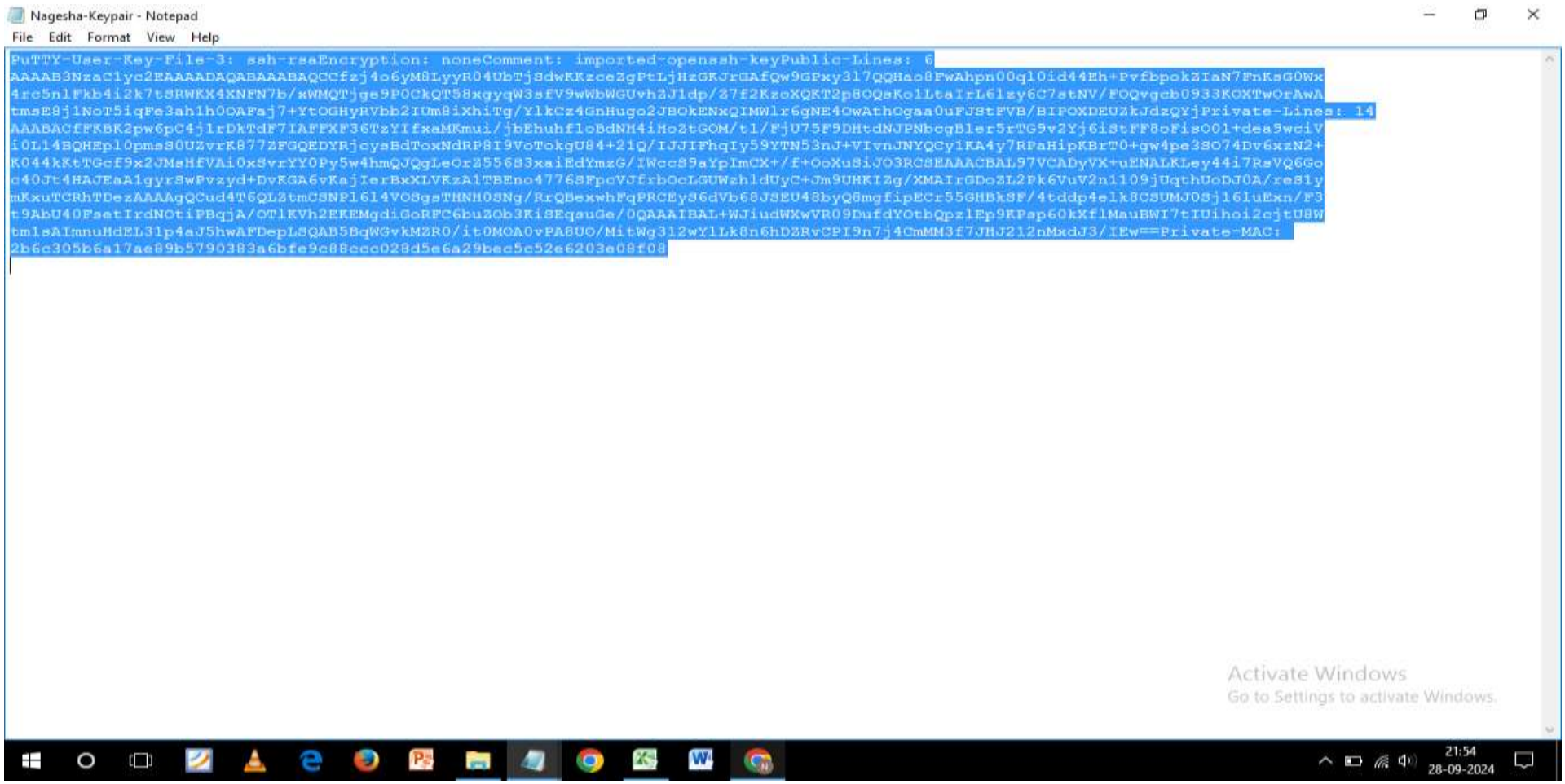

Not secure
3.137.180.179:8080
Getting Started
Jenkins is ready!
Your Jenkins setup is complete.
Start using Jenkins
Jenkins 2.462.2
Activate Windows
Go to Settings to activate Windows.
20:08
28-09-2024

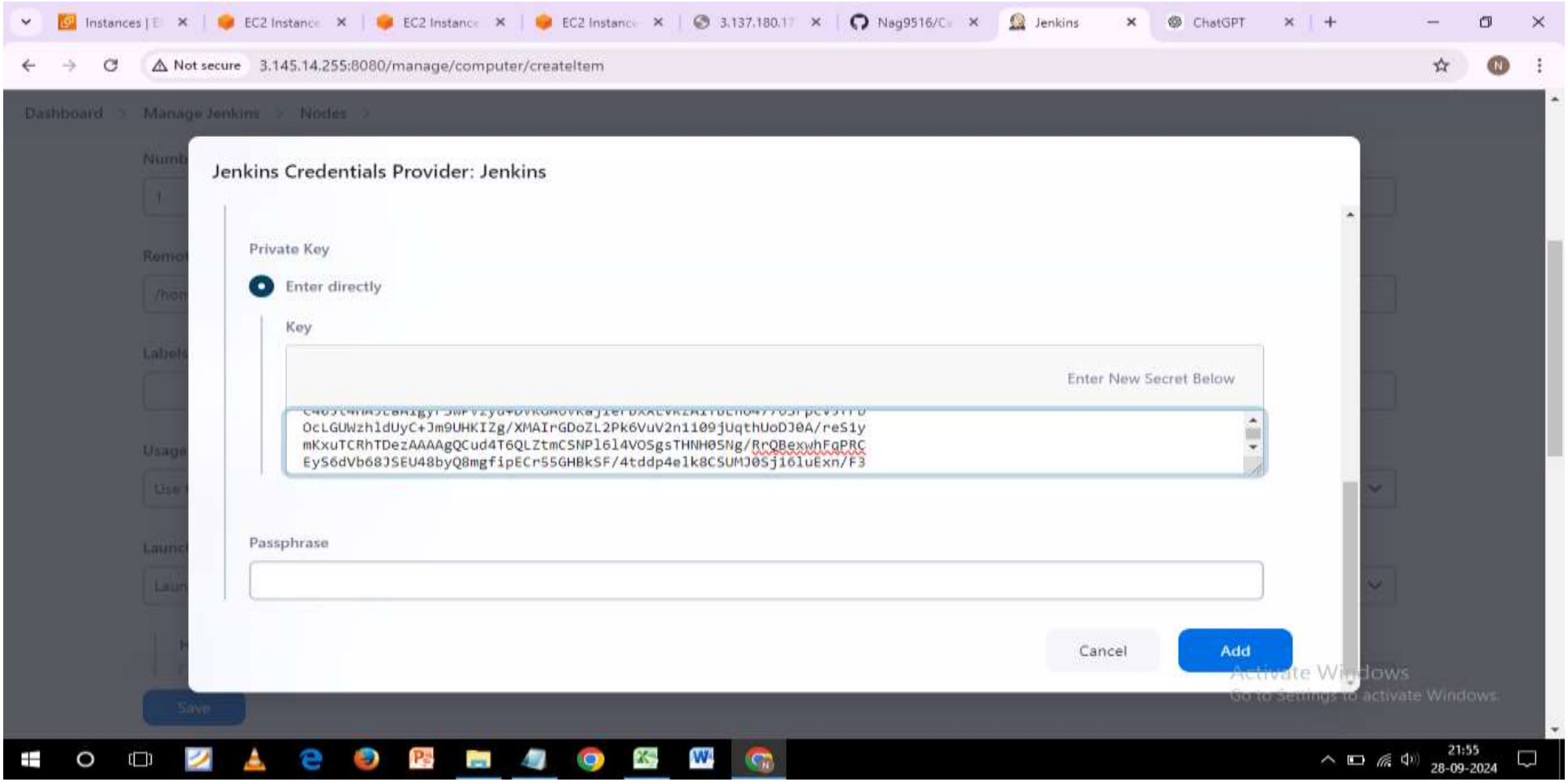

Not secure
3.137.180.179:8080
Jenkins
Search (CTRL+K)
Nagesha KS
log out
Dashboard
New Item
Build History
Manage Jenkins
My Views
Build Queue
No builds in the queue.
Build Executor Status
1 Idle
2 Idle
Add description
Welcome to Jenkins!
This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.
Start building your software project
Create a job
Set up a distributed build
Set up an agent
Configure a cloud
Learn more about distributed builds
Activate Windows
20:09
28-09-2024

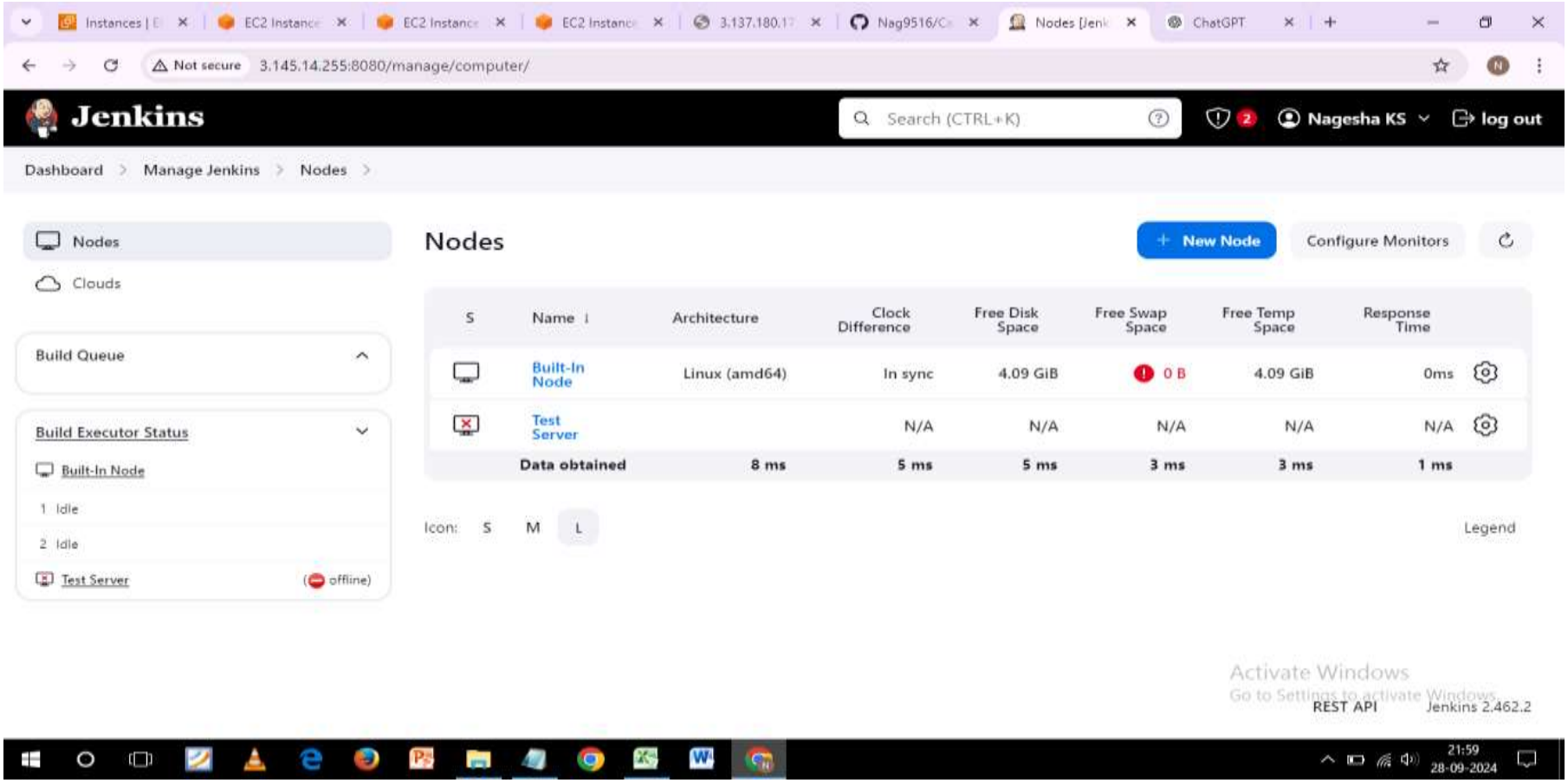

Instances | E
EC2 Instance
EC2 Instance
EC2 Instance
DevOps Issu
GitHub
Nag9516/Ca
Download p
Not secure
3.137.180.179:8080/manage/pluginManager/updates/
Dashboard > Manage Jenkins > Plugins
Plugins
Updates
Available plugins
Installed plugins
Advanced settings
Download progress
Mailer Success
Theme Manager Success
Dark Theme Success
Loading plugin extensions Success
JavaMail API Success
Oracle Java SE Development Kit Installer Success
SSH server Success
Command Agent Launcher Success
JSch dependency Success
SSH Success
Loading plugin extensions Success
SSH Agent Success
Loading plugin extensions Success
Go back to the top page
(you can start using the installed plugins right away)
Restart Jenkins when installation is complete and no jobs are running
Activate Windows
Go to Settings to activate Windows.
REST API
Jenkins 2.462.2
20:13
28-09-2024

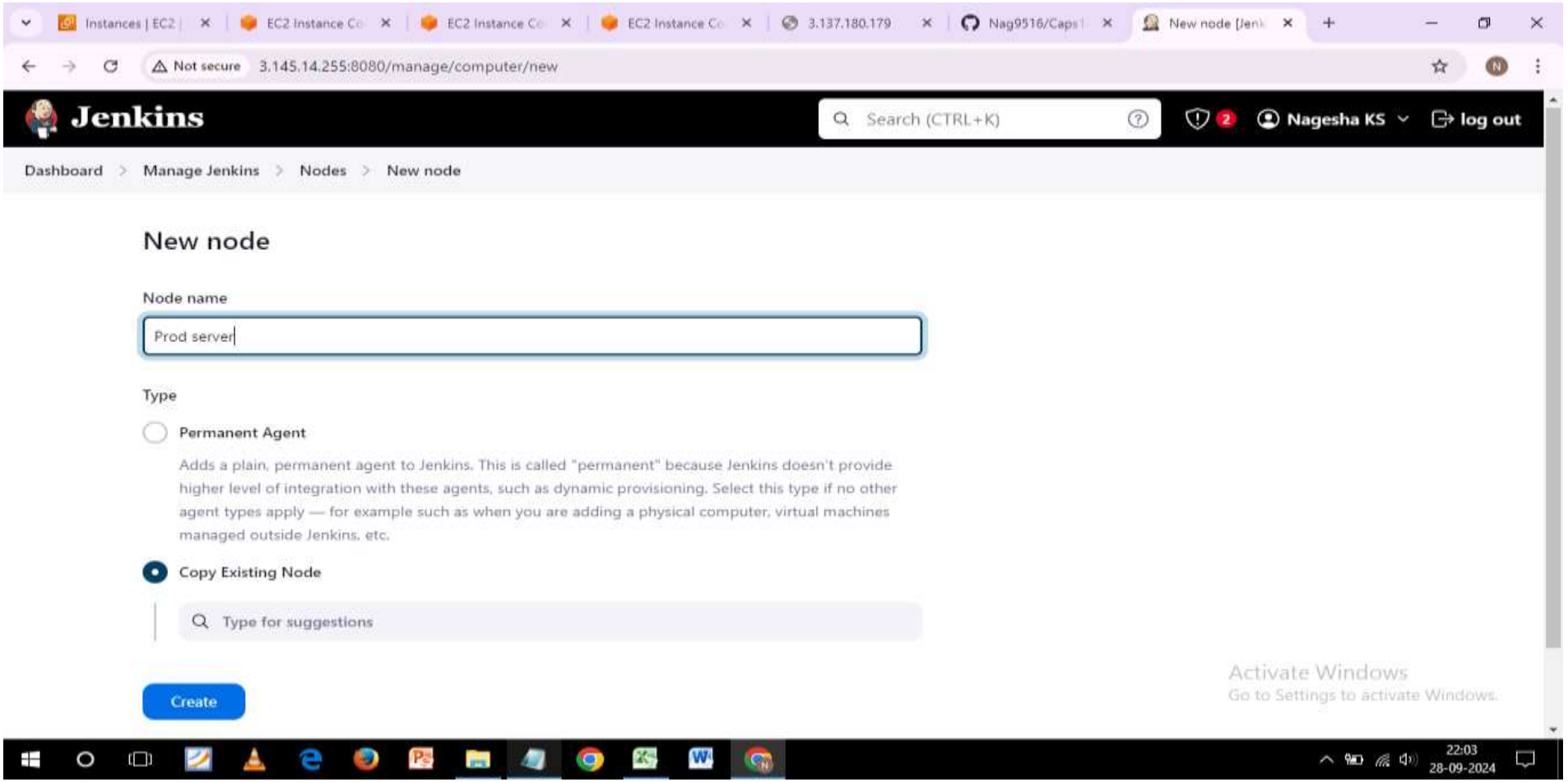

Instances | EC2
EC2 Instance Co
EC2 Instance Co
EC2 Instance Co
3.137.180.179
Nag9516/Caps1
New node [Jenk
Not secure
3.145.14.255:8080/manage/computer/new
Jenkins
Search (CTRL+K)
2
Nagesha KS
log out
Dashboard
Manage Jenkins
Nodes
New node
New node
Node name
Test Serv
Type
Permanent Agent
Adds a plain, permanent agent to Jenkins. This is called "permanent" because Jenkins doesn't provide higher level of integration with these agents, such as dynamic provisioning. Select this type if no other agent types apply — for example such as when you are adding a physical computer, virtual machines managed outside Jenkins, etc.
Copy Existing Node
Create
Activate Windows
Go to Settings to activate Windows.
22:00
28-09-2024

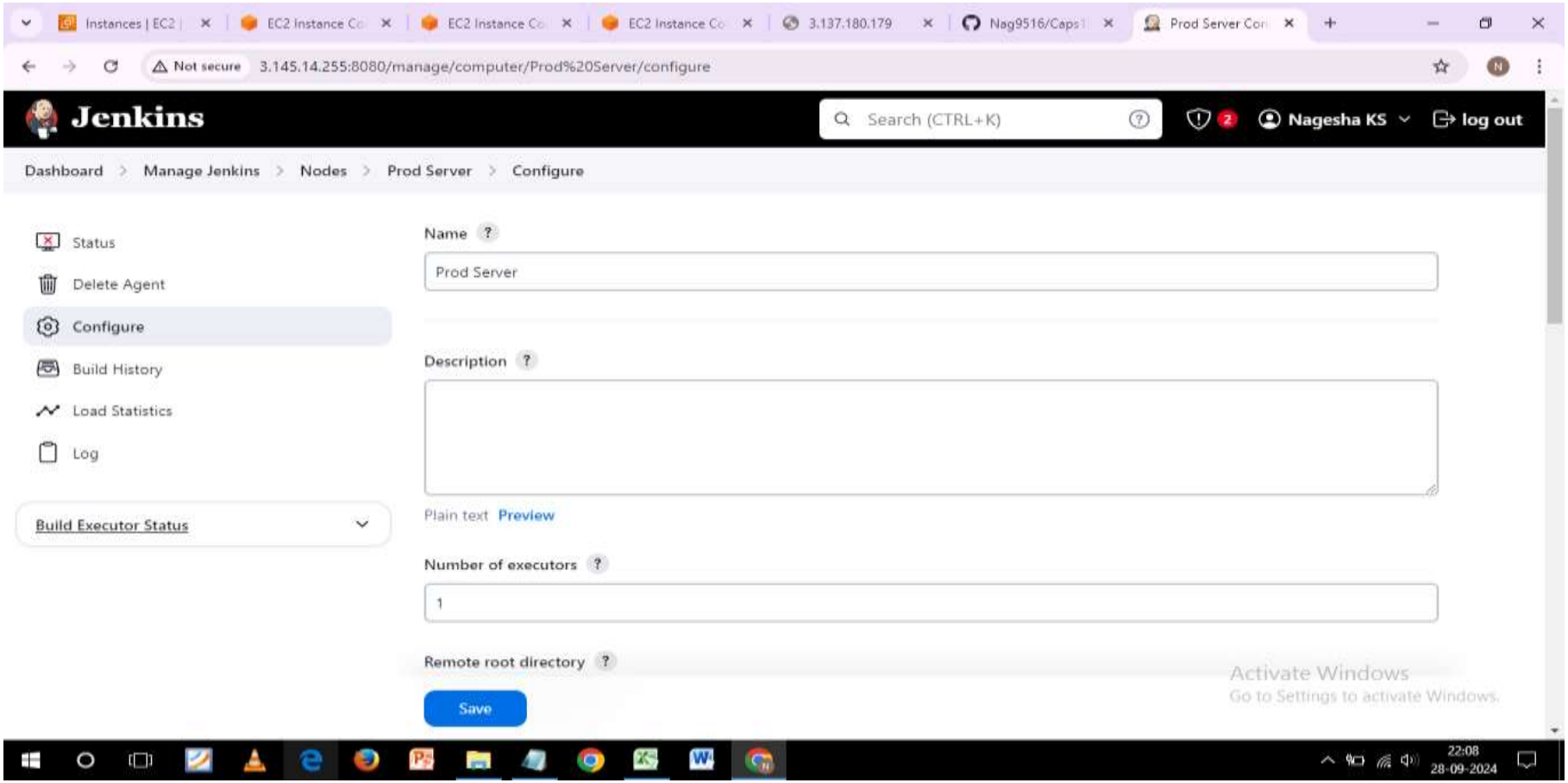

Not secure
3.145.14.255:8080/manage/computer/createItem
Jenkins
ChatGPT
Dashboard
Manage Jenkins
Nodes
Jenkins Credentials Provider: Jenkins
Add Credentials
Domain
Global credentials (unrestricted)
Kind
SSH Username with private key
Scope
Global (Jenkins, nodes, items, all child items, etc)
ID
Description
Save
Activate Windows
Go to Settings to activate Windows.
21:52
28-09-2024

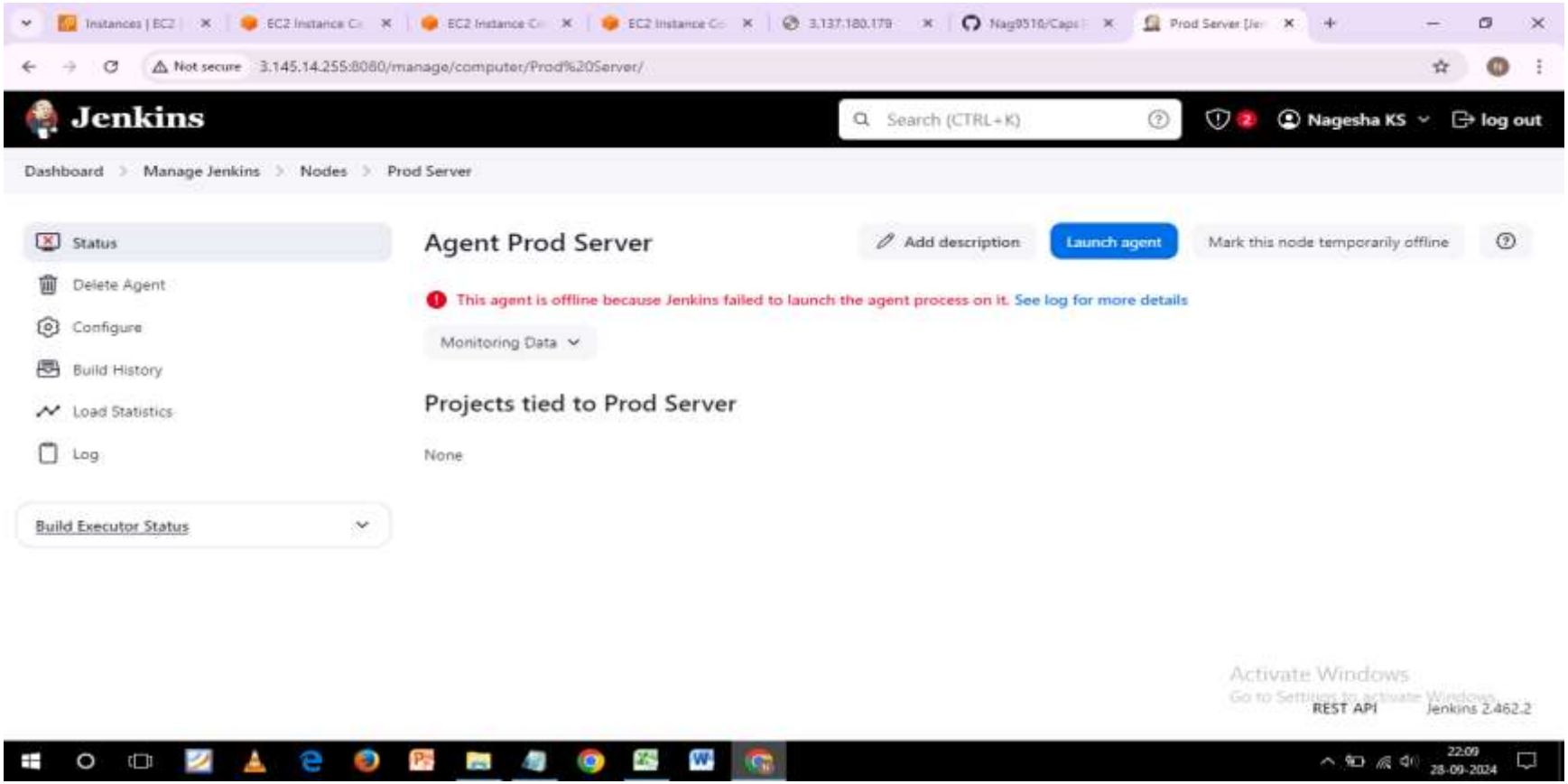

Nagesha-Keypair - Notepad
File Edit Format View Help
PuTTY-User-Key-File-3: ssh-rsa Encryption: none Comment: imported-openssh-key Public-Lines: 6
AAAAB3NzaC1yc2EAAAADAQABAAABAQCCfzj4o6yM8LyyR04UbTjSdwKKzceZgPtLjHzGKJrGAfQw9GPxy3l7QQHao8FwAhpn00q10id44Eh+PvfbpokZIaN7FnKsG0Wx
4rc5nlFkb4i2k7t3RWKX4XNFN7b/xWMQTjge9P0CkQT58xgyqW3sfV9wWbWGUvh2J1dp/27f2KzoXQRT2p8OQsKo1LtaIrL6lzy6C7stNV/FOQvqcb0933KOXTwOrAwA
tmsE8j1NoT5iqFe3ah1h0OAFaj7+YtOGHyRVbb2IUm8iXhiTg/YlkCz4GnHugo2JBOkENxQIMWlr6gNE4OwAthOgaa0uFJStFVB/BIPOXDEU2kJdzQYjPrivate-Lines: 14
AAABACfFKBK2pw6pC4j1rDkTdF7IAFFXF36TzYIfxaMKmui/jbEhuhfloBdNH4iHo2tGQM/t1/FjU75F9DHtdNJPNbcgBler5rTG9v2Yj6i8tFF8oFisO01+dea9wciV
i0L14BQHEp10pma80UZvrK877ZFGQEDYRjcysBdToxNdRP8I9VoTokgU84+21Q/IJJIFhqIy59YTN53nJ+VIvnJNYQCy1KA4y7RPaHipKBrT0+gw4pe3SO74Dv6xzN2+
K044kKtTGcf9x2JMsHfVAi0x8vrYY0Py5w4hmQJQgLeOr255683xaiEdYmzG/IWcc89aYpImCX+/f+OoXu8iJO3RC8EAAACBAL97VCADyVX+uENALKLey44i7RsVQ6Go
c40Jt4HAJEaA1gyr8wPvzyd+DvKGA6vKajIerBxXLVKzAlTBEno47768FpcVJfrbOcLGUWzhldUyC+Jm9UHKI2g/XMAIrGDo3L2Pk6VuV2n1109jUqthUoDJ0A/re81y
mKxuTCRhTDezAAAAgQCud4T6QL2tmC8NP1614VO8gsTHNH08Ng/RrQBexwhFqPRCEyS6dVb68J8EU48byQ8mgfipECr55GHBk8F/4tddp4elk8C8UMJ08j161uExn/F3
t9AbU40FaetIrdNOtiPBqjA/OTlKVh2EKEMgdiGoRFC6bu2Ob3KiSEqauGe/0QAAAIBAL+WJiudWXwVR09DufdYOtbQpzlEp9KPap60kXflMauBWI7tIUihoi2cjtU8W
tm1sAImnuHdEL31p4aJ5hwAFDepL8QAB5BqWGvkM2RO/it0MOA0vPA8UO/MitWg312wYlLk8n6hD2RvCPI9n7j4CmMM3f7JHJ212nMxdJ3/IEw==Private-MAC:
2b6c305b6a17ae89b5790383a6bfe9c88ccc028d5e6a29bec5c52e6203e08f08
Activate Windows
Go to Settings to activate Windows.
21:54
28-09-2024

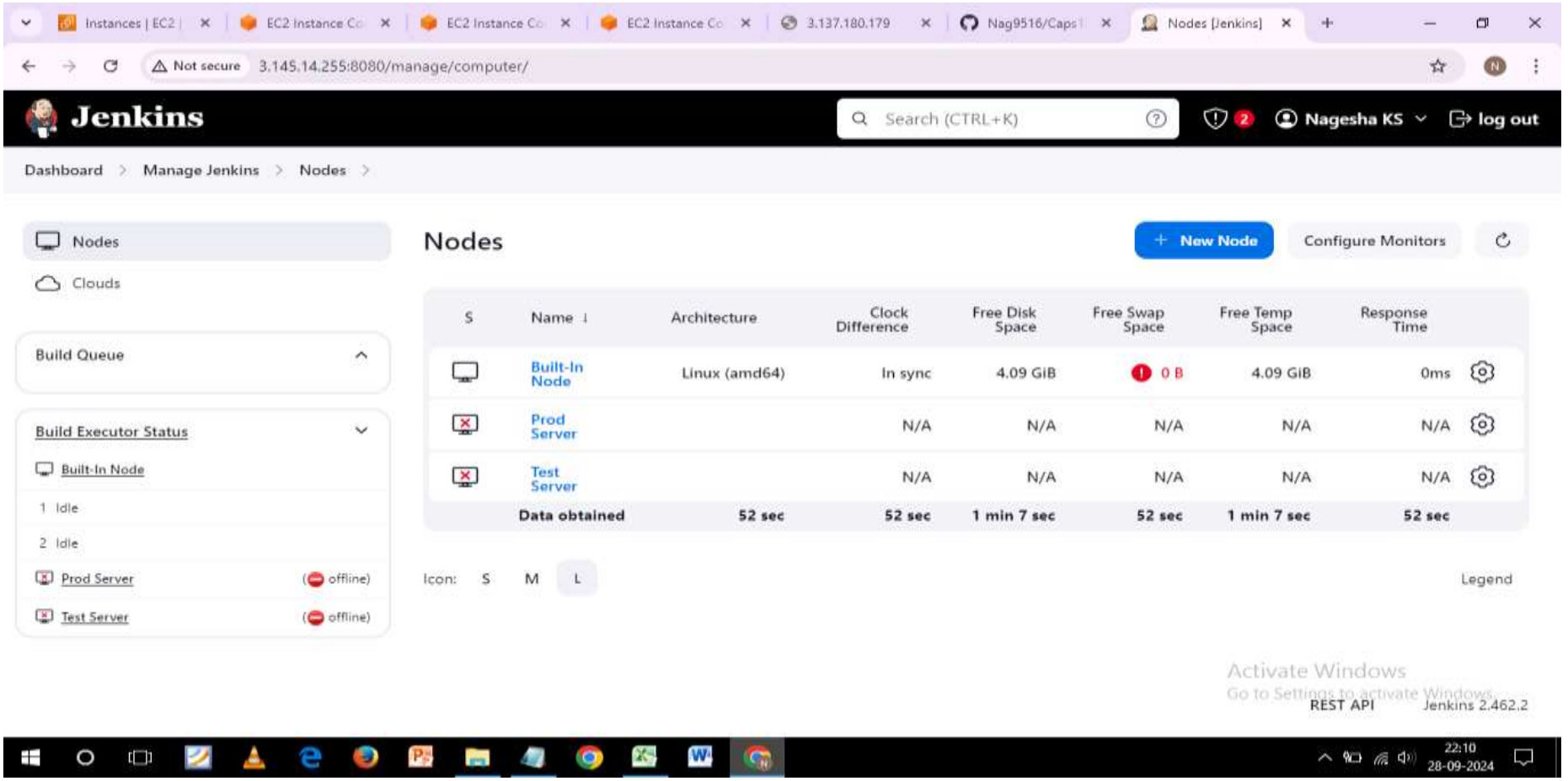

Not secure
3.145.14.255:8080/manage/computer/createItem
Dashboard
Manage Jenkins
Nodes
Jenkins Credentials Provider: Jenkins
Private Key
Enter directly
Key
Enter New Secret Below
OcLGUWzhldUyC+Jm9UHKIZg/XMAIrGDoZL2Pk6VuV2n1109jUqthUoDJ0A/reS1y
mKxuTCRhTDezAAAAgQCud4T6QLZtmCSNPl6l4VOSgsTHNH0SNg/RrQBexwhFqPRC
EyS6dVb68JSEU48byQ8mgfipECr55GHBkSF/4tddp4e1k8CSUMJ0Sj16luExn/F3
Passphrase
Cancel
Add
Activate Windows
Go to Settings to activate Windows.
21:55
28-09-2024

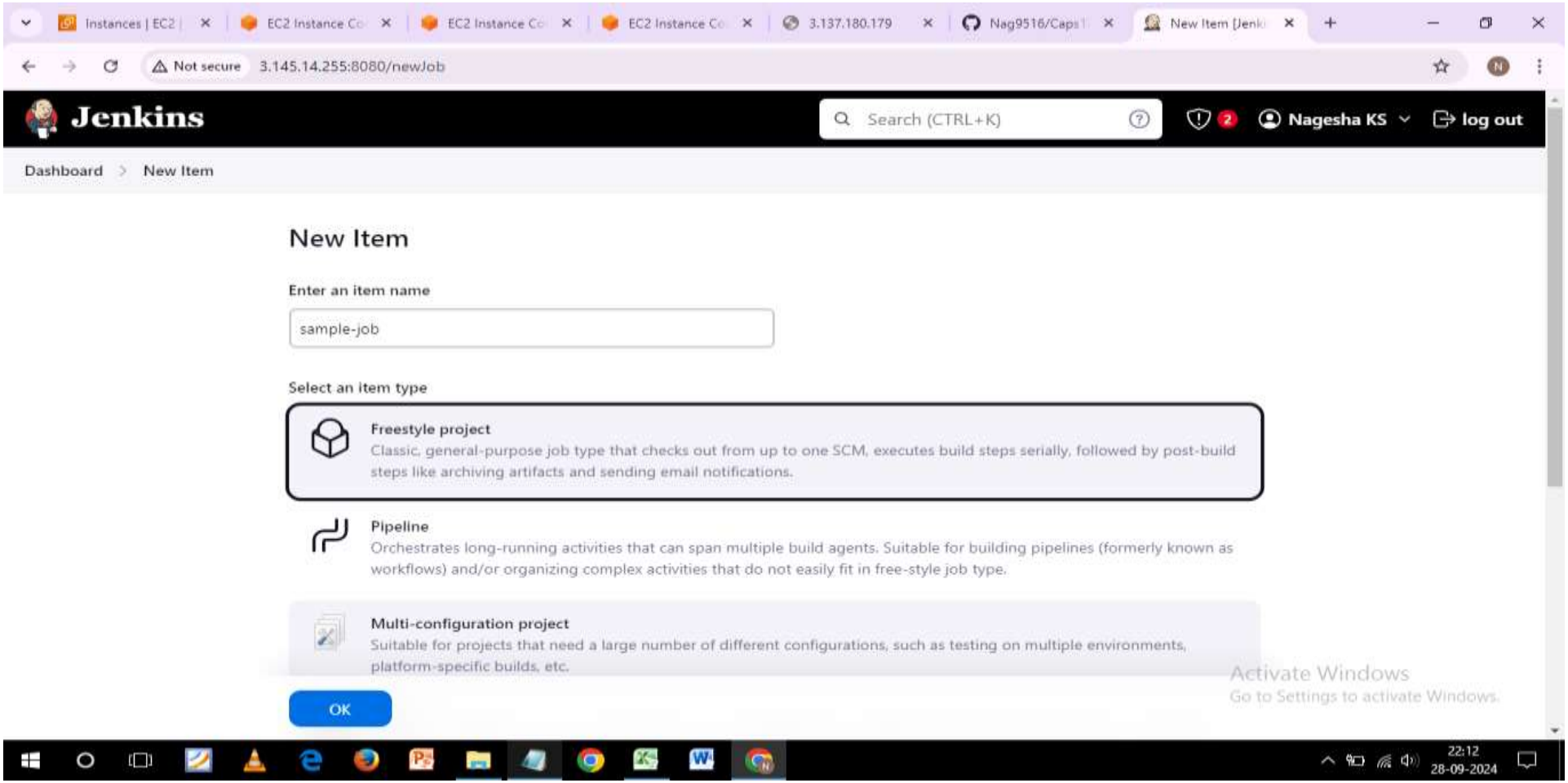

Not secure
3.145.14.255:8080/manage/computer/
Jenkins
Search (CTRL+K)
Nagesha KS
log out
Dashboard
Manage Jenkins
Nodes
Nodes
Clouds
Build Queue
Build Executor Status
Built-In Node
1 Idle
2 Idle
Test Server
offline
Nodes
New Node
Configure Monitors
S
Name
Architecture
Clock Difference
Free Disk Space
Free Swap Space
Free Temp Space
Response Time
Built-In Node
Linux (amd64)
In sync
4.09 GiB
0 B
4.09 GiB
0ms
Test Server
N/A
N/A
N/A
N/A
N/A
Data obtained
8 ms
5 ms
5 ms
3 ms
3 ms
1 ms
Icon:
S
M
L
Legend
Activate Windows
Go to Settings to activate Windows.
REST API
Jenkins 2.462.2
21:59
28-09-2024

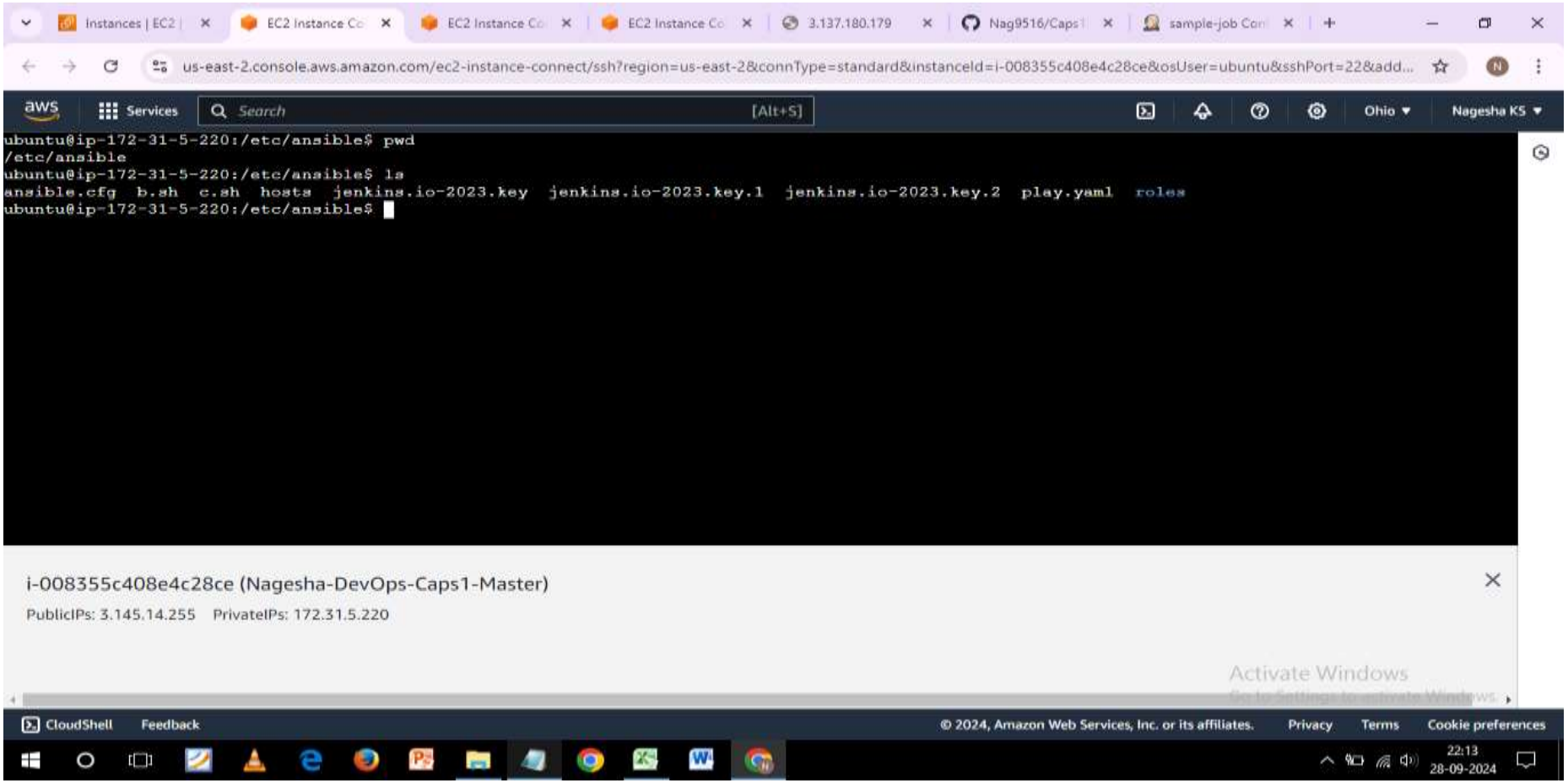

Instances | EC2
EC2 Instance Co
EC2 Instance Co
EC2 Instance Co
3.137.180.179
Nag9516/Caps
New node [Jenk
Not secure
3.145.14.255:8080/manage/computer/new
Jenkins
Search (CTRL+K)
2
Nagesha KS
log out
Dashboard
Manage Jenkins
Nodes
New node
New node
Node name
Prod server
Type
Permanent Agent
Adds a plain, permanent agent to Jenkins. This is called "permanent" because Jenkins doesn't provide higher level of integration with these agents, such as dynamic provisioning. Select this type if no other agent types apply — for example such as when you are adding a physical computer, virtual machines managed outside Jenkins, etc.
Copy Existing Node
Type for suggestions
Create
Activate Windows
Go to Settings to activate Windows.
22:03
28-09-2024

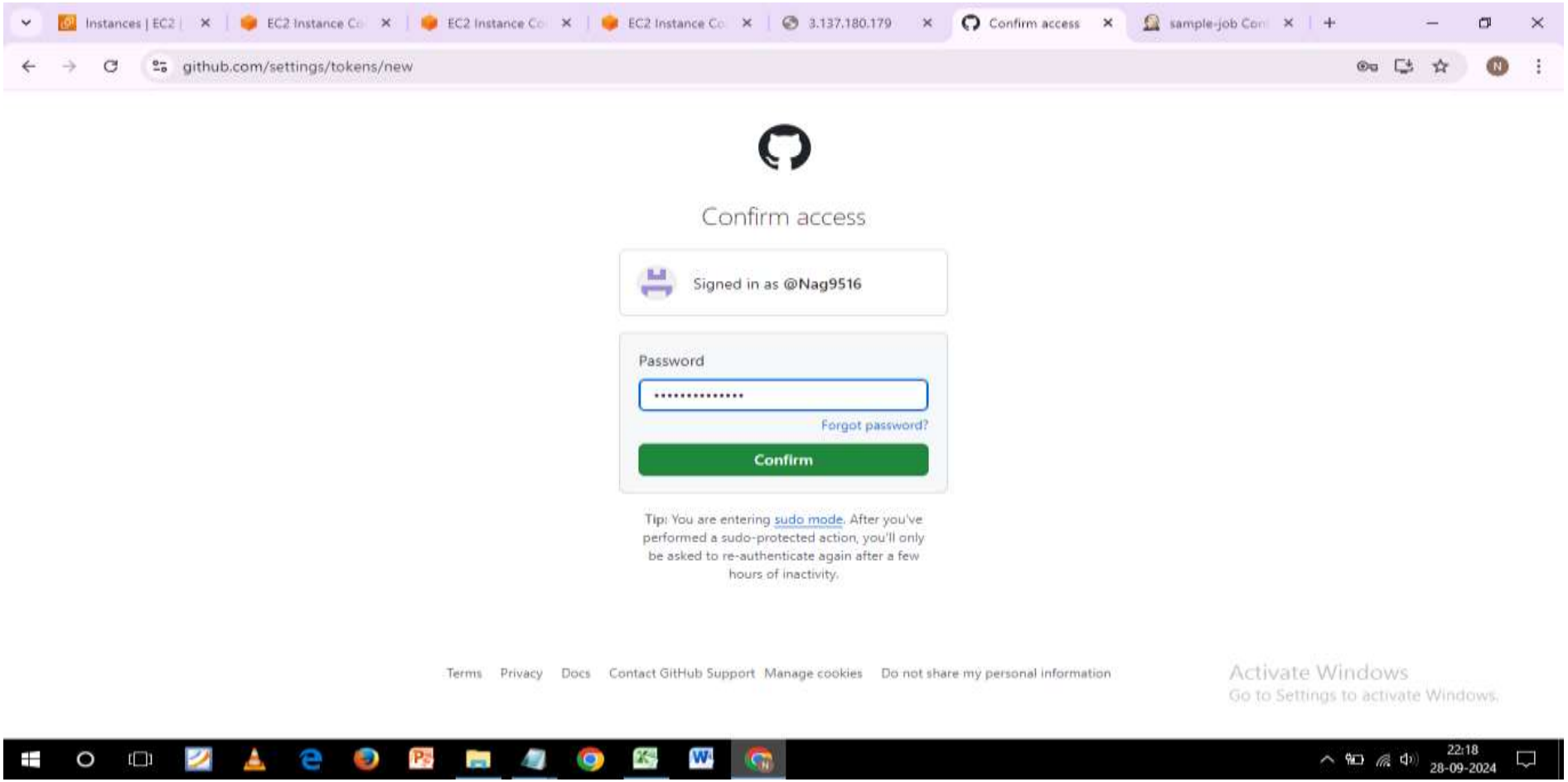

Not secure
3.145.14.255:8080/manage/computer/Prod%20Server/configure
Jenkins
Search (CTRL+K)
Nagesha KS
log out
Dashboard
Manage Jenkins
Nodes
Prod Server
Configure
Status
Delete Agent
Configure
Build History
Load Statistics
Log
Build Executor Status
Name
Prod Server
Description
Plain text
Preview
Number of executors
1
Remote root directory
Save
Activate Windows
Go to Settings to activate Windows.
22:08
28-09-2024

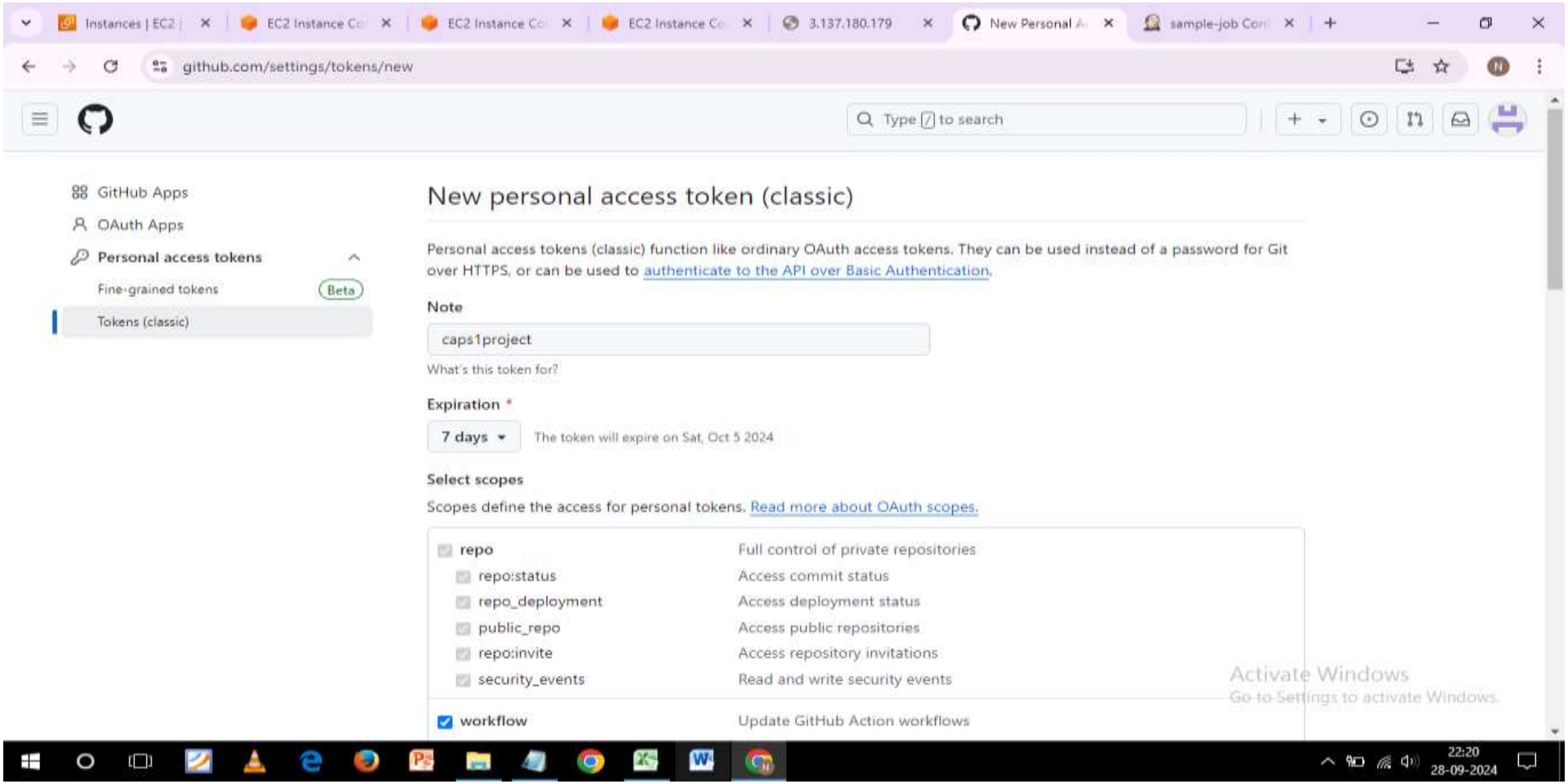

Not secure 3.145.14.255:8080/manage/computer/Prod%20Server/
Jenkins
Search (CTRL+K)
Nagesha KS
log out
Dashboard > Manage Jenkins > Nodes > Prod Server
Status
Delete Agent
Configure
Build History
Load Statistics
Log
Build Executor Status
Agent Prod Server
Add description
Launch agent
Mark this node temporarily offline
This agent is offline because Jenkins failed to launch the agent process on it. See log for more details
Monitoring Data
Projects tied to Prod Server
None
Activate Windows
REST API
Jenkins 2.462.2
22:09
28-09-2024

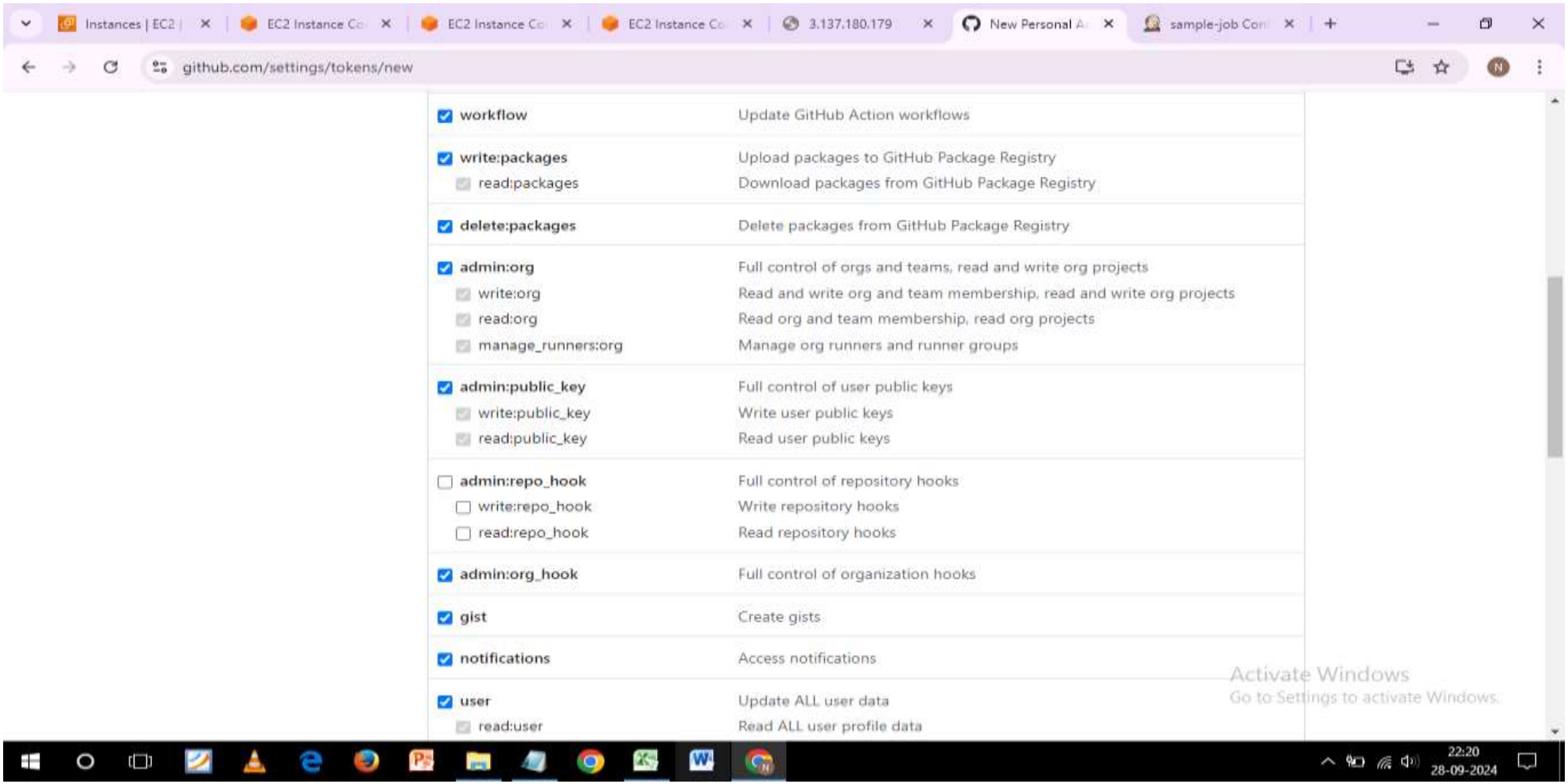

Instances | EC2
EC2 Instance Co
EC2 Instance Co
EC2 Instance Co
3.137.180.179
Nag9516/Caps
Nodes [Jenkins]
Not secure
3.145.14.255:8080/manage/computer/
Jenkins
Search (CTRL+K)
2
Nagesha KS
log out
Dashboard
Manage Jenkins
Nodes
Nodes
Clouds
Build Queue
Build Executor Status
Built-In Node
1 Idle
2 Idle
Prod Server (offline)
Test Server (offline)
Nodes
New Node
Configure Monitors
S
Name
Architecture
Clock Difference
Free Disk Space
Free Swap Space
Free Temp Space
Response Time
Built-In Node
Linux (amd64)
In sync
4.09 GiB
0 B
4.09 GiB
0ms
Prod Server
N/A
N/A
N/A
N/A
N/A
Test Server
N/A
N/A
N/A
N/A
N/A
Data obtained
52 sec
52 sec
1 min 7 sec
52 sec
1 min 7 sec
52 sec
Icon: S M L
Legend
Activate Windows
Go to Settings to activate Windows.
REST API
Jenkins 2.462.2
22:10
28-09-2024

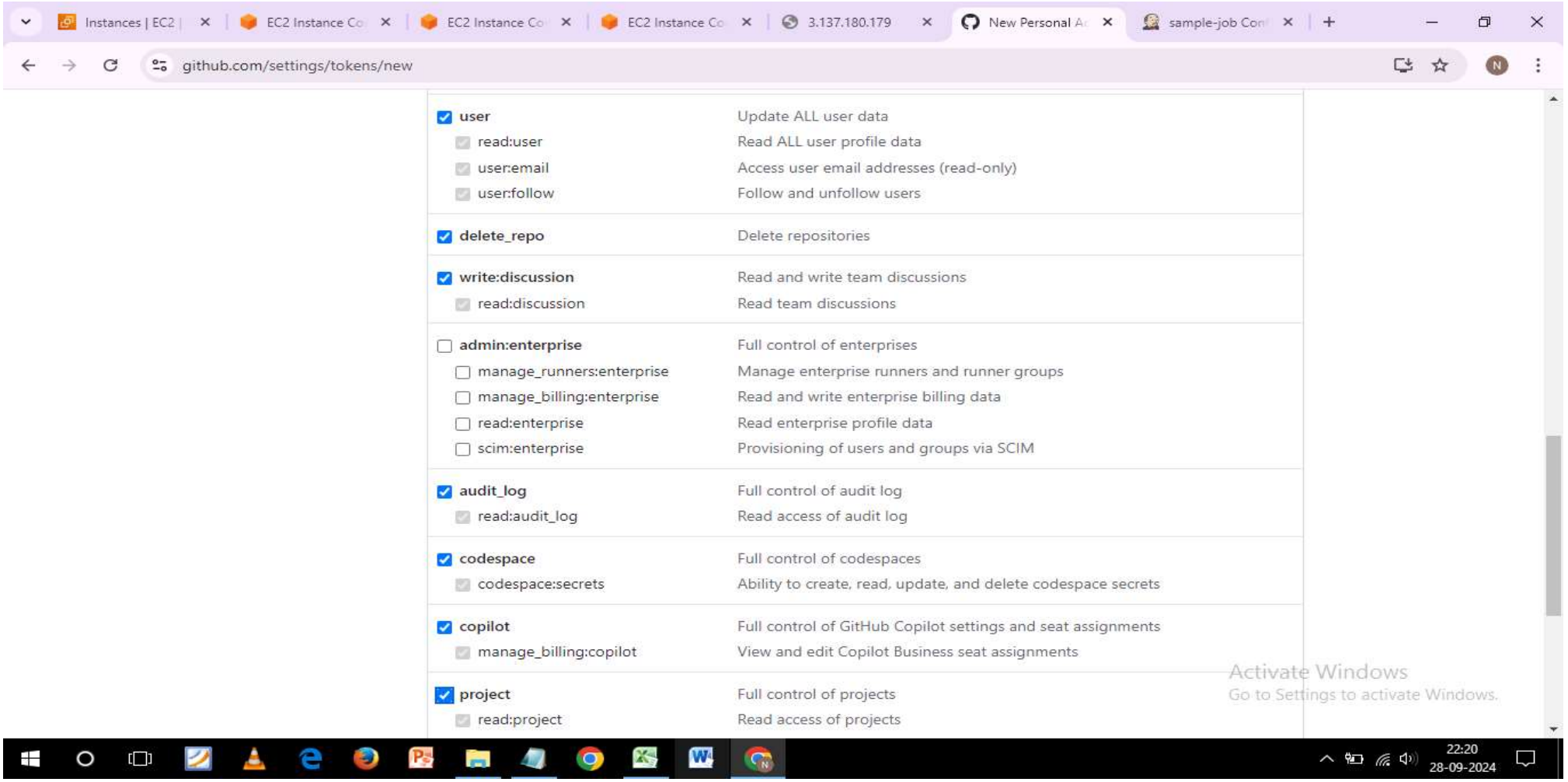

Instances | EC2
EC2 Instance Co
EC2 Instance Co
EC2 Instance Co
3.137.180.179
Nag9516/Caps1
New Item [Jenki
Not secure
3.145.14.255:8080/newJob
Jenkins
Search (CTRL+K)
Nagesha KS
log out
Dashboard
New Item
New Item
Enter an item name
sample-job
Select an item type
Freestyle project
Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.
Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.
OK
Activate Windows
Go to Settings to activate Windows.
22:12
28-09-2024

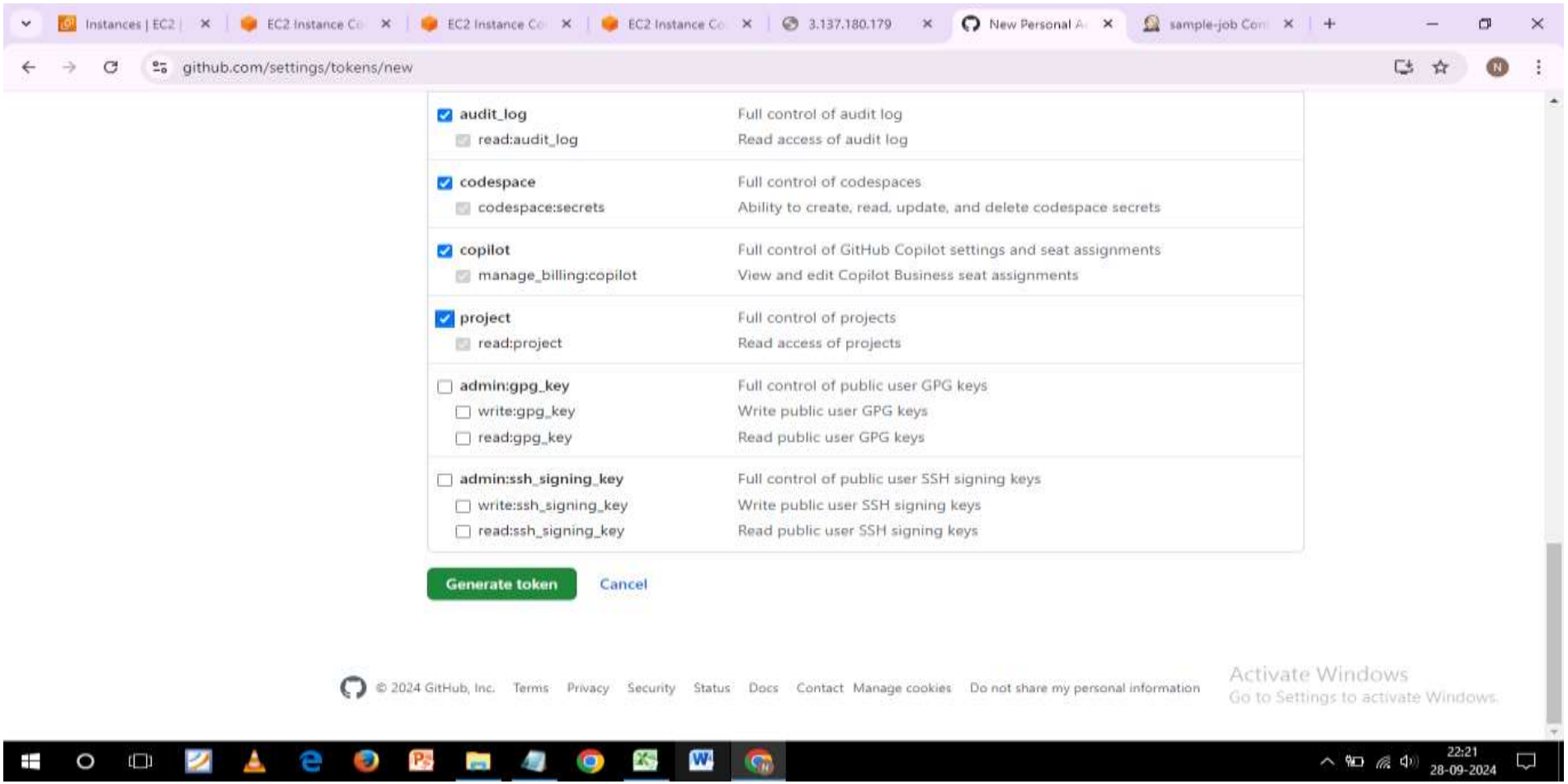

Instances | EC2
EC2 Instance Co
EC2 Instance Co
EC2 Instance Co
3.137.180.179
Nag9516/Caps1
sample-job Con
us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-008355c408e4c28ce&osUser=ubuntu&sshPort=22&add...
aws
Services
Search
[Alt+S]
Ohio
Nagesha K5
ubuntu@ip-172-31-5-220:/etc/ansible$ pwd
/etc/ansible
ubuntu@ip-172-31-5-220:/etc/ansible$ ls
ansible.cfg b.sh c.sh hosts jenkins.io-2023.key jenkins.io-2023.key.1 jenkins.io-2023.key.2 play.yaml roles
ubuntu@ip-172-31-5-220:/etc/ansible$
i-008355c408e4c28ce (Nagesha-DevOps-Caps1-Master)
PublicIPs: 3.145.14.255 PrivateIPs: 172.31.5.220
Activate Windows
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
22:13
28-09-2024

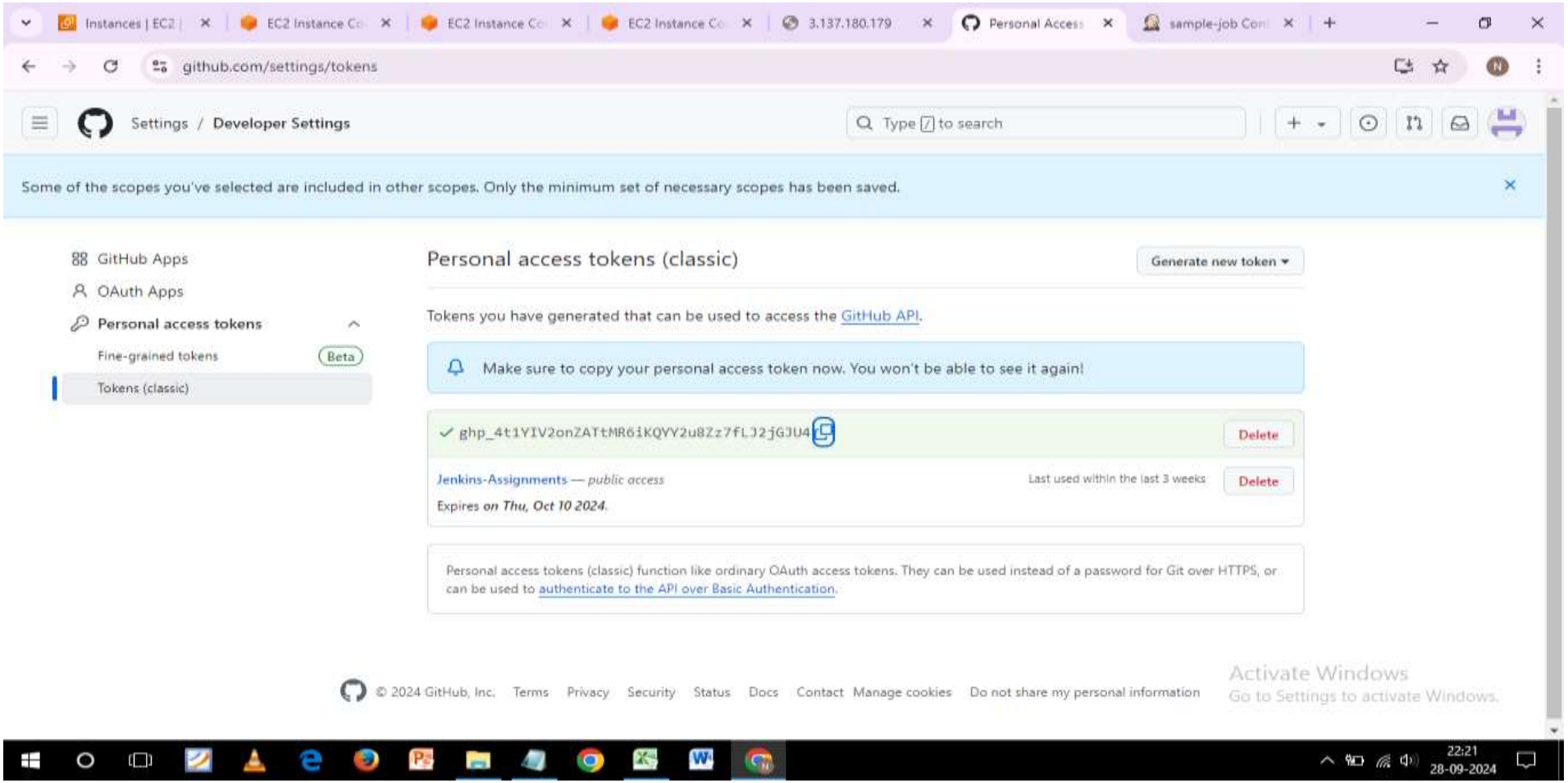

Instances | EC2
EC2 Instance Co
EC2 Instance Co
EC2 Instance Co
3.137.180.179
Confirm access
sample-job Con
github.com/settings/tokens/new
Confirm access
Signed in as @Nag9516
Password
Forgot password?
Confirm
Tip: You are entering sudo mode. After you've performed a sudo-protected action, you'll only be asked to re-authenticate again after a few hours of inactivity.
Terms
Privacy
Docs
Contact GitHub Support
Manage cookies
Do not share my personal information
Activate Windows
Go to Settings to activate Windows.
22:18
28-09-2024

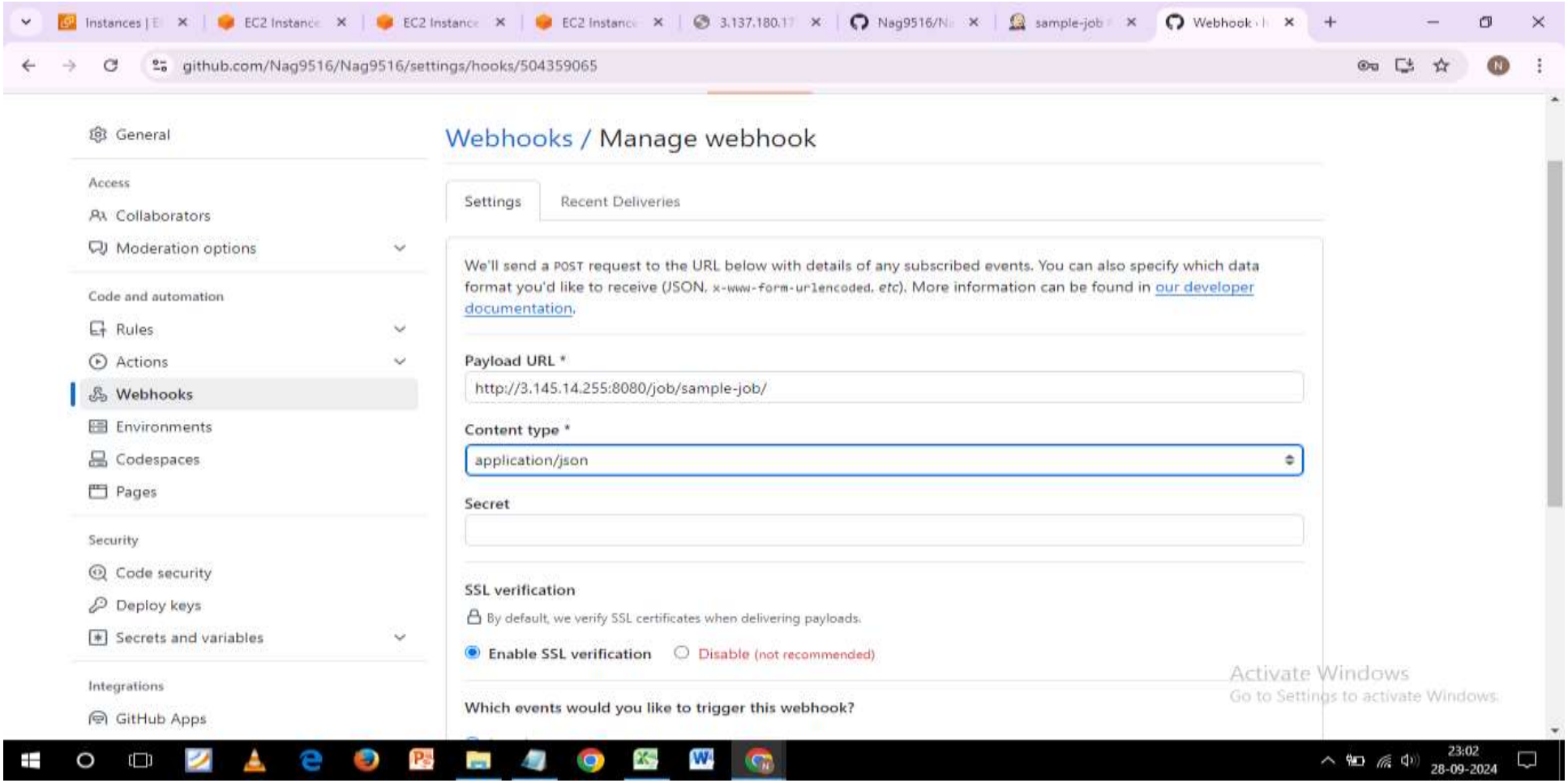

Instances | EC2
EC2 Instance Co
EC2 Instance Co
EC2 Instance Co
3.137.180.179
New Personal A
sample-job Conf
github.com/settings/tokens/new
Type / to search
GitHub Apps
OAuth Apps
Personal access tokens
Fine-grained tokens
Beta
Tokens (classic)
New personal access token (classic)
Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to authenticate to the API over Basic Authentication.
Note
caps1project
What's this token for?
Expiration *
7 days
The token will expire on Sat, Oct 5 2024
Select scopes
Scopes define the access for personal tokens. Read more about OAuth scopes.
repo
Full control of private repositories
repo:status
Access commit status
repo_deployment
Access deployment status
public_repo
Access public repositories
repo:invite
Access repository invitations
security_events
Read and write security events
workflow
Update GitHub Action workflows
Activate Windows
Go to Settings to activate Windows.
22:20
28-09-2024

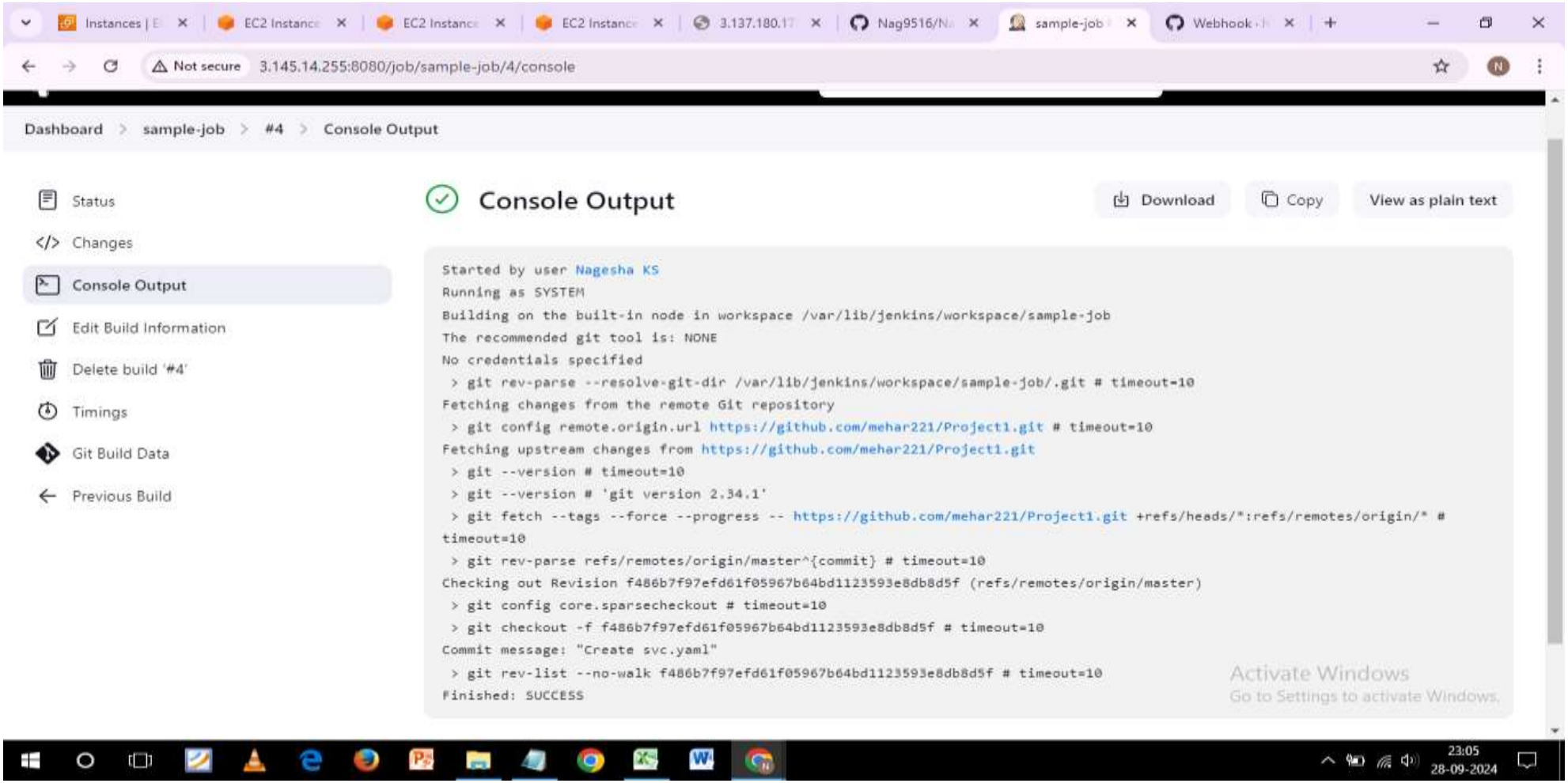

Instances | EC2
EC2 Instance Co
EC2 Instance Co
EC2 Instance Co
3.137.180.179
New Personal A
sample-job Con
github.com/settings/tokens/new
workflow
Update GitHub Action workflows
write:packages
Upload packages to GitHub Package Registry
read:packages
Download packages from GitHub Package Registry
delete:packages
Delete packages from GitHub Package Registry
admin:org
Full control of orgs and teams, read and write org projects
write:org
Read and write org and team membership, read and write org projects
read:org
Read org and team membership, read org projects
manage_runners:org
Manage org runners and runner groups
admin:public_key
Full control of user public keys
write:public_key
Write user public keys
read:public_key
Read user public keys
admin:repo_hook
Full control of repository hooks
write:repo_hook
Write repository hooks
read:repo_hook
Read repository hooks
admin:org_hook
Full control of organization hooks
gist
Create gists
notifications
Access notifications
user
Update ALL user data
read:user
Read ALL user profile data
Activate Windows
Go to Settings to activate Windows.
22:20
28-09-2024

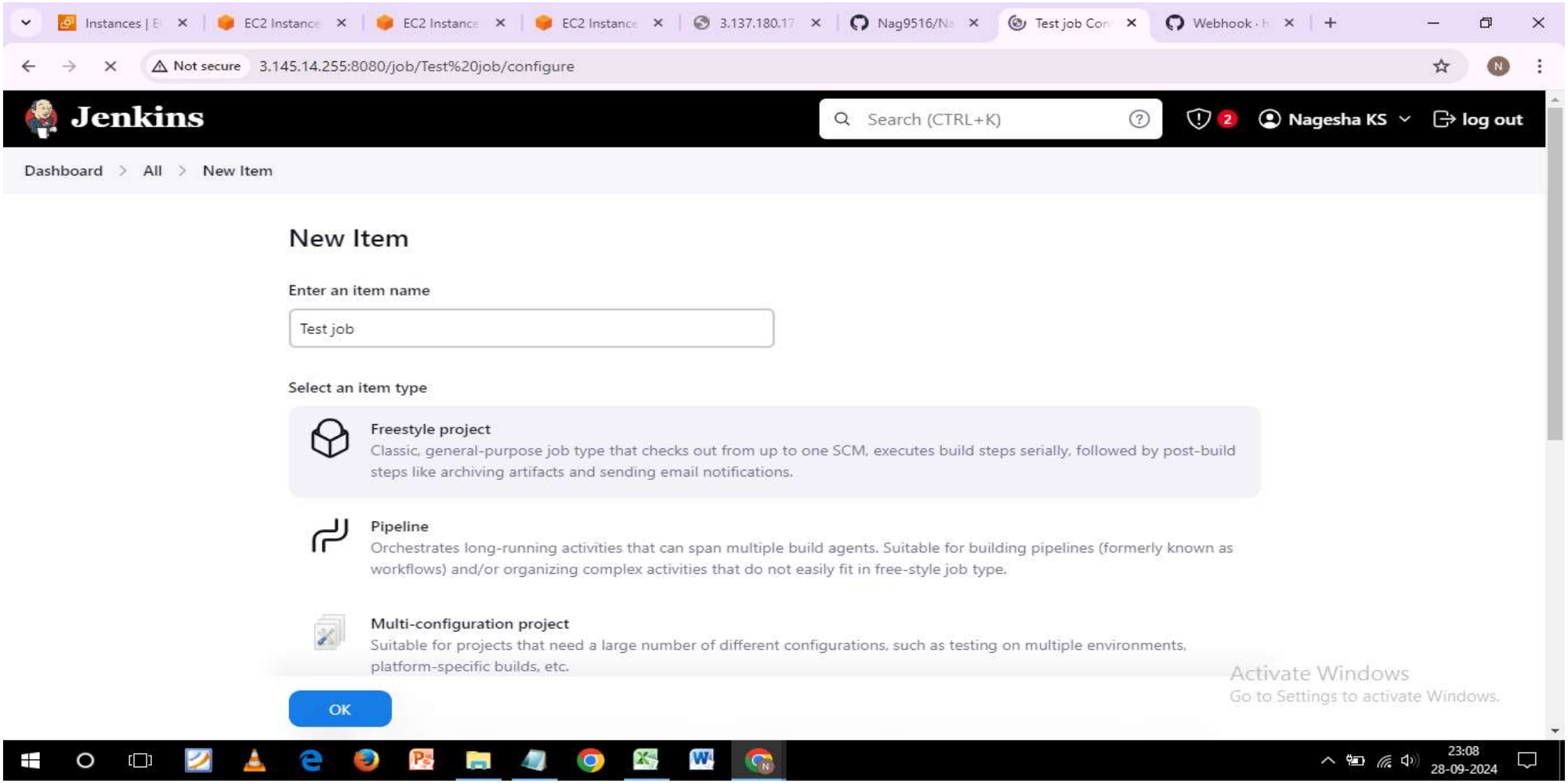

Instances | EC2
EC2 Instance Co
EC2 Instance Co
EC2 Instance Co
3.137.180.179
New Personal A
sample-job Con
github.com/settings/tokens/new
user
Update ALL user data
read:user
Read ALL user profile data
user:email
Access user email addresses (read-only)
user:follow
Follow and unfollow users
delete_repo
Delete repositories
write:discussion
Read and write team discussions
read:discussion
Read team discussions
admin:enterprise
Full control of enterprises
manage_runners:enterprise
Manage enterprise runners and runner groups
manage_billing:enterprise
Read and write enterprise billing data
read:enterprise
Read enterprise profile data
scim:enterprise
Provisioning of users and groups via SCIM
audit_log
Full control of audit log
read:audit_log
Read access of audit log
codespace
Full control of codespaces
codespace:secrets
Ability to create, read, update, and delete codespace secrets
copilot
Full control of GitHub Copilot settings and seat assignments
manage_billing:copilot
View and edit Copilot Business seat assignments
project
Full control of projects
read:project
Read access of projects
Activate Windows
Go to Settings to activate Windows.
22:20
28-09-2024

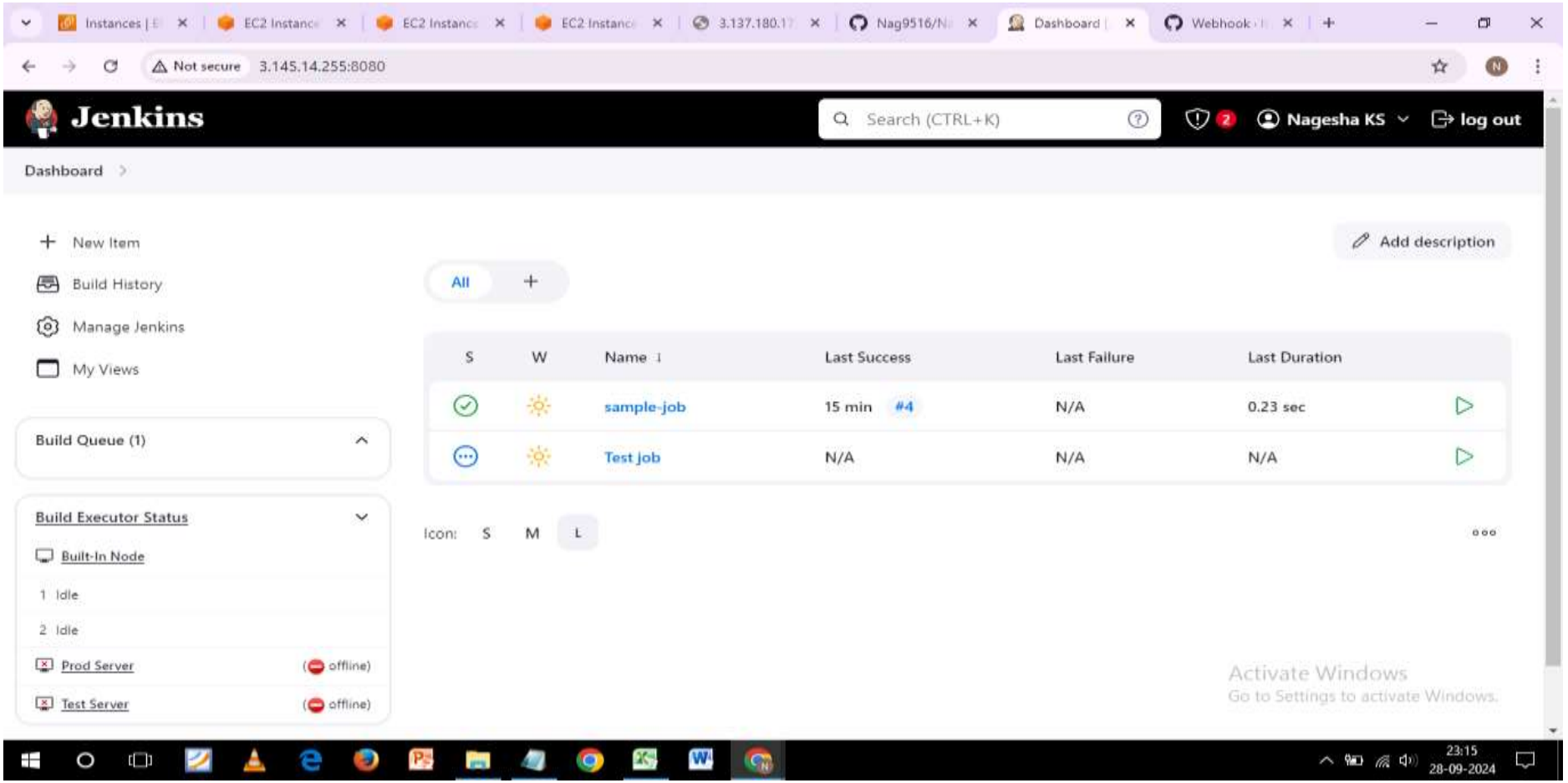

Instances | EC2
EC2 Instance Co
EC2 Instance Co
EC2 Instance Co
3.137.180.179
New Personal A
sample-job Con
github.com/settings/tokens/new
audit_log
Full control of audit log
read:audit_log
Read access of audit log
codespace
Full control of codespaces
codespace:secrets
Ability to create, read, update, and delete codespace secrets
copilot
Full control of GitHub Copilot settings and seat assignments
manage_billing:copilot
View and edit Copilot Business seat assignments
project
Full control of projects
read:project
Read access of projects
admin:gpg_key
Full control of public user GPG keys
write:gpg_key
Write public user GPG keys
read:gpg_key
Read public user GPG keys
admin:ssh_signing_key
Full control of public user SSH signing keys
write:ssh_signing_key
Write public user SSH signing keys
read:ssh_signing_key
Read public user SSH signing keys
Generate token
Cancel
© 2024 GitHub, Inc.
Terms
Privacy
Security
Status
Docs
Contact
Manage cookies
Do not share my personal information
Activate Windows
Go to Settings to activate Windows.
22:21
28-09-2024

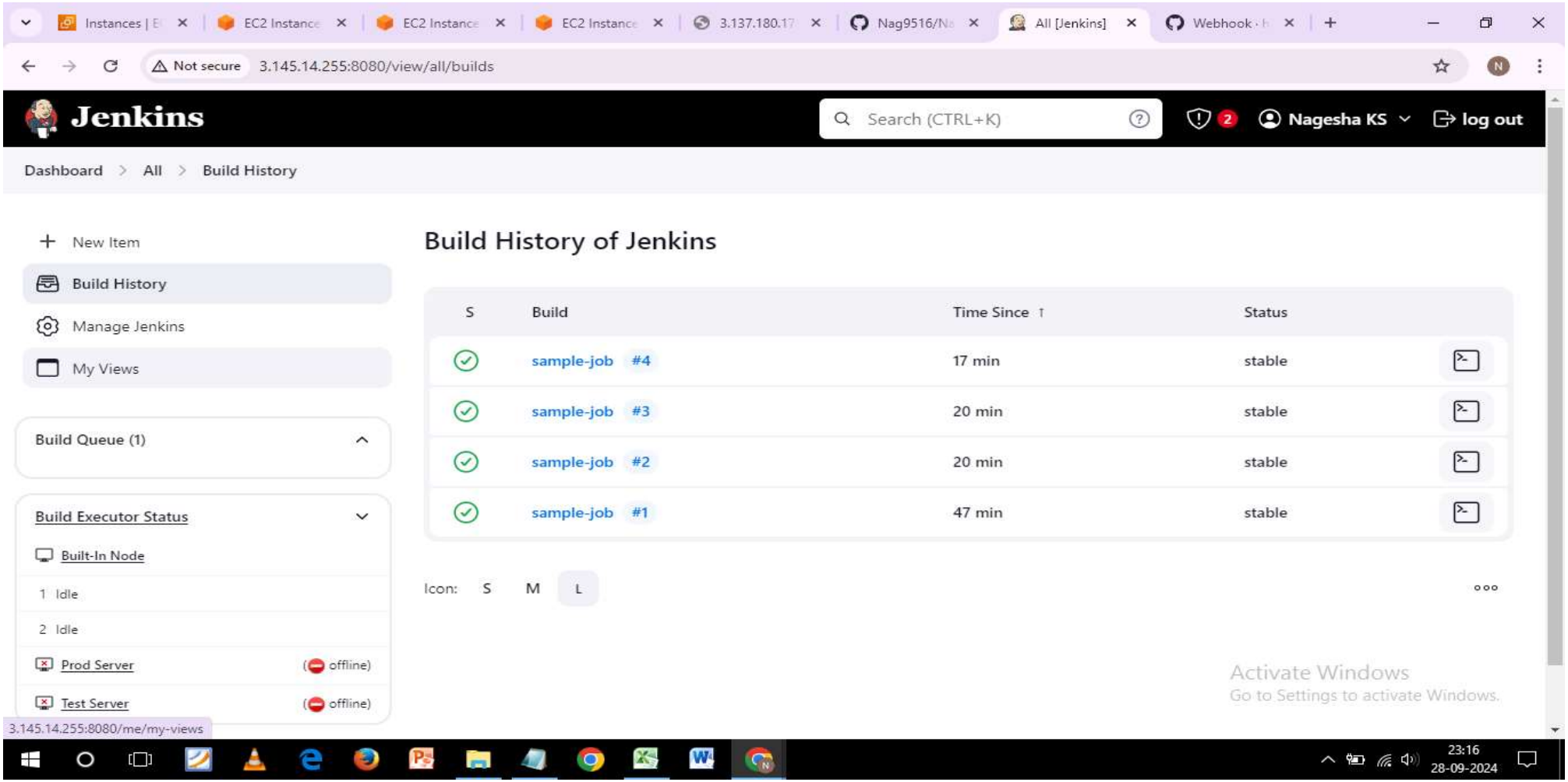

Instances | EC2
EC2 Instance Co
EC2 Instance Co
EC2 Instance Co
3.137.180.179
Personal Access
sample-job Con
github.com/settings/tokens
Settings / Developer Settings
Type / to search
Some of the scopes you've selected are included in other scopes. Only the minimum set of necessary scopes has been saved.
GitHub Apps
OAuth Apps
Personal access tokens
Fine-grained tokens
Beta
Tokens (classic)
Personal access tokens (classic)
Generate new token
Tokens you have generated that can be used to access the GitHub API.
Make sure to copy your personal access token now. You won't be able to see it again!
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
Delete
Jenkins-Assignments — public access
Last used within the last 3 weeks
Delete
Expires on Thu, Oct 10 2024.
Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to authenticate to the API over Basic Authentication.
© 2024 GitHub, Inc. Terms Privacy Security Status Docs Contact Manage cookies Do not share my personal information
Activate Windows
Go to Settings to activate Windows.
22:21
28-09-2024

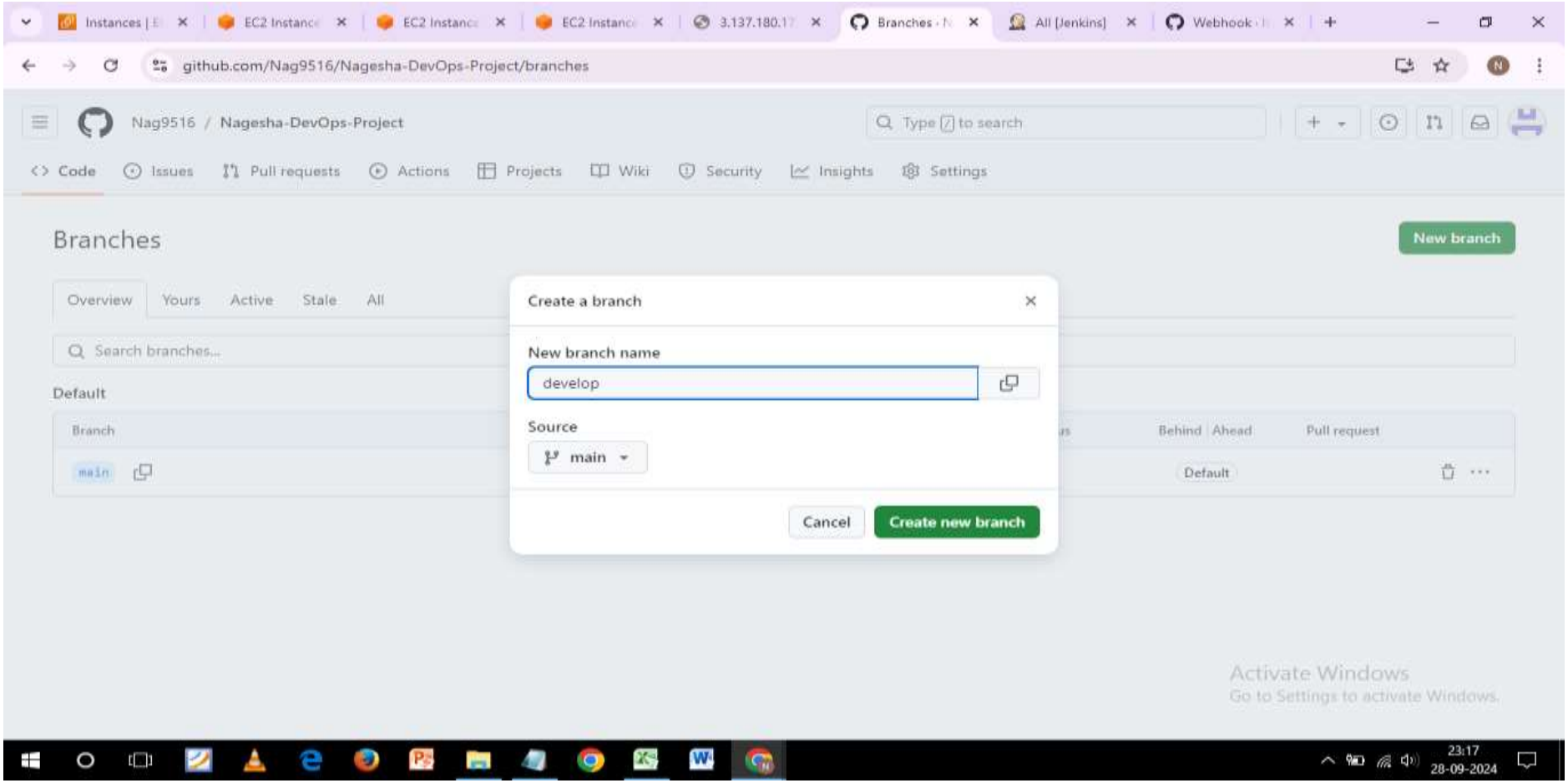

Instances | E
EC2 Instance
EC2 Instance
EC2 Instance
3.137.180.17
Nag9516/Na
sample-job
Webhook
github.com/Nag9516/Nag9516/settings/hooks/504359065
General
Access
Collaborators
Moderation options
Code and automation
Rules
Actions
Webhooks
Environments
Codespaces
Pages
Security
Code security
Deploy keys
Secrets and variables
Integrations
GitHub Apps
Webhooks / Manage webhook
Settings
Recent Deliveries
We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in our developer documentation.
Payload URL *
http://3.145.14.255:8080/job/sample-job/
Content type *
application/json
Secret
SSL verification
By default, we verify SSL certificates when delivering payloads.
Enable SSL verification
Disable (not recommended)
Which events would you like to trigger this webhook?
Activate Windows
Go to Settings to activate Windows.
23:02
28-09-2024

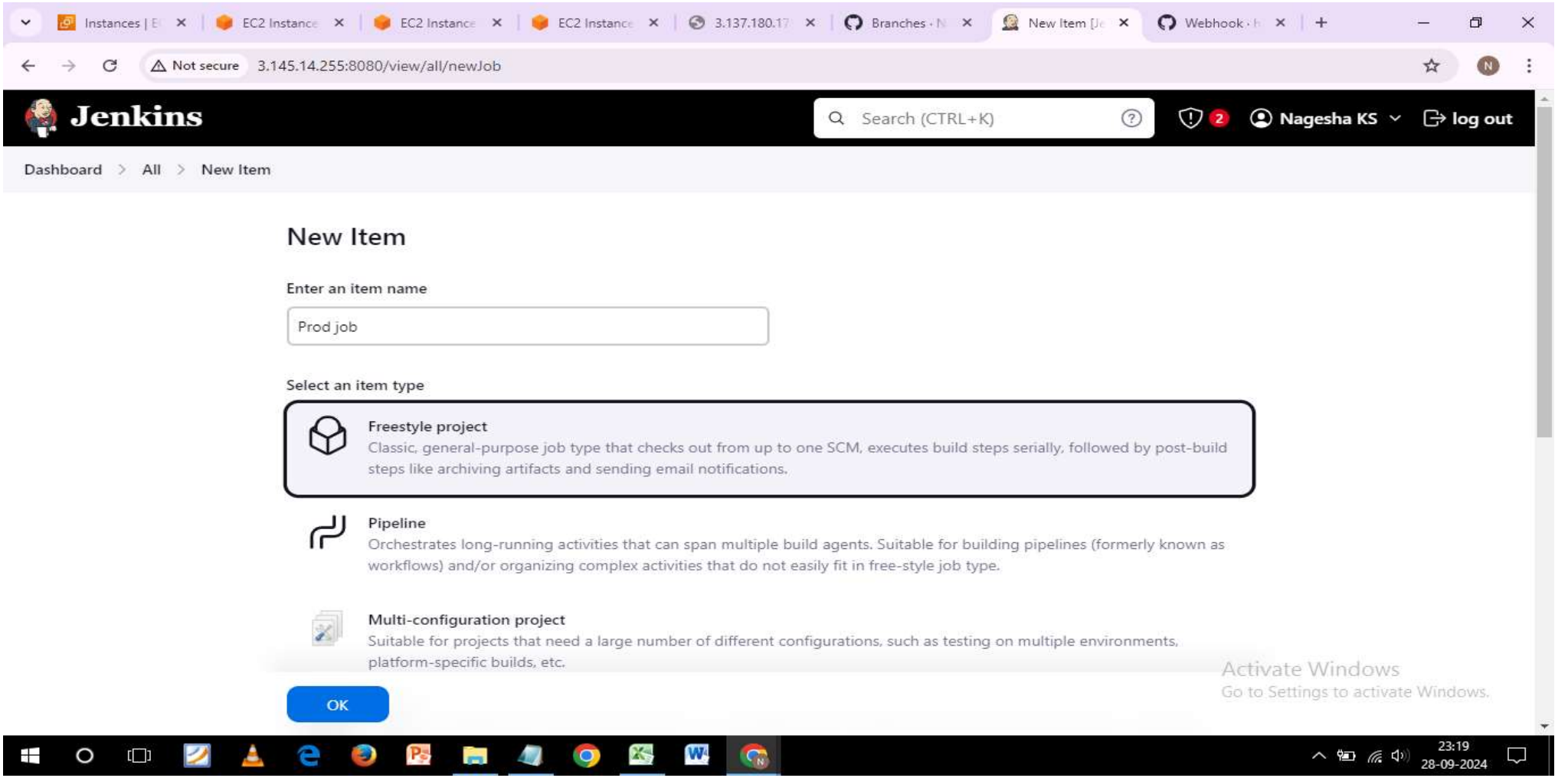

Instances | E
EC2 Instance
EC2 Instance
EC2 Instance
3.137.180.17
Nag9516/Na
sample-job
Webhook
Not secure
3.145.14.255:8080/job/sample-job/4/console
Dashboard > sample-job > #4 > Console Output
Status
Changes
Console Output
Edit Build Information
Delete build '#4'
Timings
Git Build Data
Previous Build
Console Output
Download
Copy
View as plain text
Started by user Nagesha KS
Running as SYSTEM
Building on the built-in node in workspace /var/lib/jenkins/workspace/sample-job
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/sample-job/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/mehar221/Project1.git # timeout=10
Fetching upstream changes from https://github.com/mehar221/Project1.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
> git fetch --tags --force --progress -- https://github.com/mehar221/Project1.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision f486b7f97efd61f05967b64bd1123593e8db8d5f (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f f486b7f97efd61f05967b64bd1123593e8db8d5f # timeout=10
Commit message: "Create svc.yaml"
> git rev-list --no-walk f486b7f97efd61f05967b64bd1123593e8db8d5f # timeout=10
Finished: SUCCESS
Activate Windows
Go to Settings to activate Windows.
23:05
28-09-2024

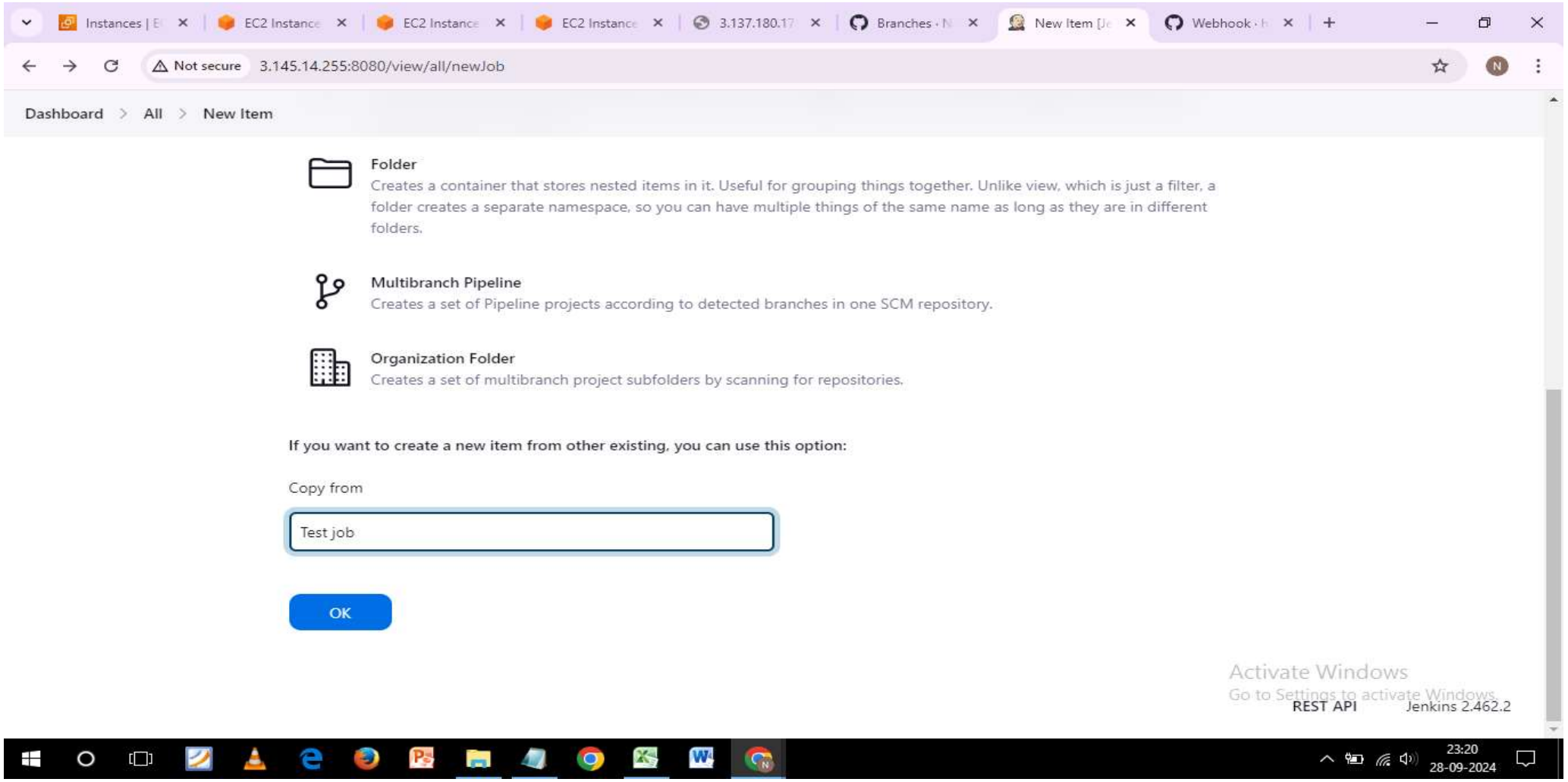

Instances | E
EC2 Instance
EC2 Instance
EC2 Instance
3.137.180.17
Nag9516/Na
Test job Con
Webhook · H
Not secure
3.145.14.255:8080/job/Test%20job/configure
Jenkins
Search (CTRL+K)
2
Nagesha KS
log out
Dashboard
All
New Item
New Item
Enter an item name
Test job
Select an item type
Freestyle project
Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.
Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.
OK
Activate Windows
Go to Settings to activate Windows.
23:08
28-09-2024

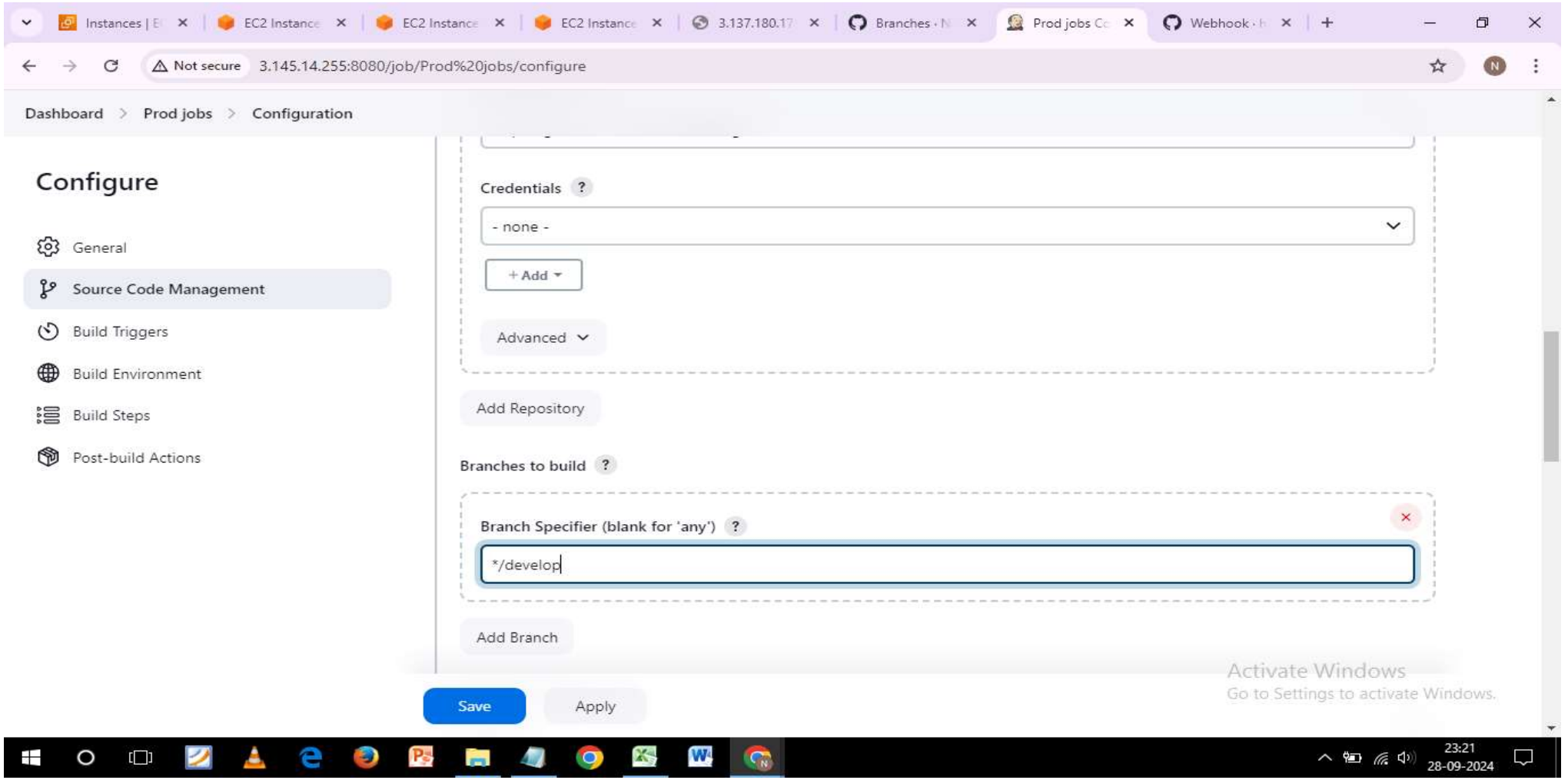

Not secure 3.145.14.255:8080
Jenkins
Search (CTRL+K)
Nagesha KS
log out
Dashboard
New Item
Build History
Manage Jenkins
My Views
Add description
All
S W Name Last Success Last Failure Last Duration
sample-job 15 min #4 N/A 0.23 sec
Test job N/A N/A N/A
Build Queue (1)
Build Executor Status
Built-In Node
1 Idle
2 Idle
Prod Server (offline)
Test Server (offline)
Icon: S M L
Activate Windows
Go to Settings to activate Windows.
23:15
28-09-2024

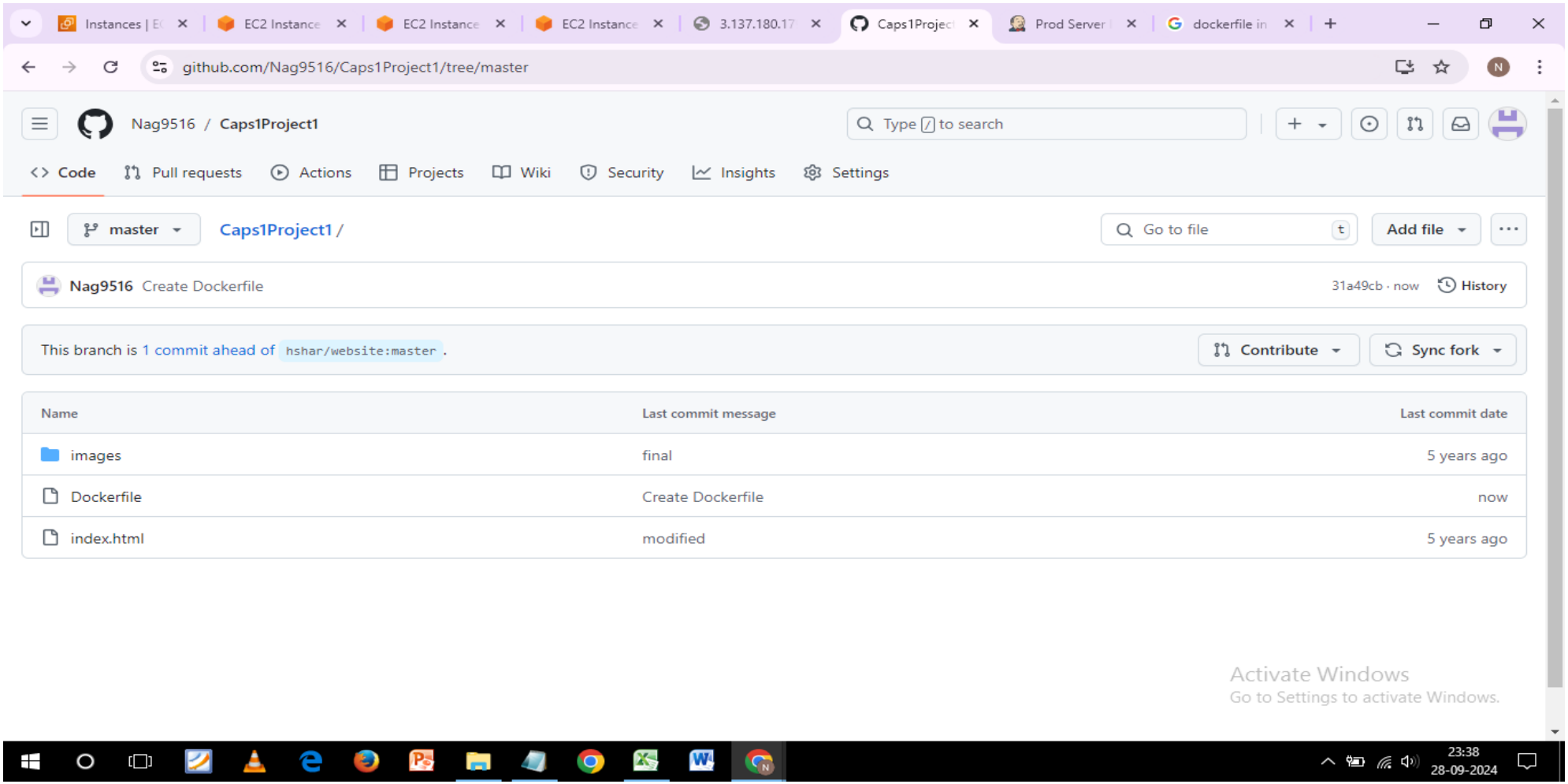

Instances | E
EC2 Instance
EC2 Instance
EC2 Instance
3.137.180.17
Nag9516/Na
All [Jenkins]
Webhook · h
Not secure
3.145.14.255:8080/view/all/builds
Jenkins
Search (CTRL+K)
2
Nagesha KS
log out
Dashboard
All
Build History
New Item
Build History
Manage Jenkins
My Views
Build Queue (1)
Build Executor Status
Built-In Node
1 Idle
2 Idle
Prod Server
(offline)
Test Server
(offline)
Build History of Jenkins
S
Build
Time Since
Status
sample-job #4
17 min
stable
sample-job #3
20 min
stable
sample-job #2
20 min
stable
sample-job #1
47 min
stable
Icon: S M L
Activate Windows
Go to Settings to activate Windows.
3.145.14.255:8080/me/my-views
23:16
28-09-2024


github.com/Nag9516/Nagesha-DevOps-Project/branches
Nag9516 / Nagesha-DevOps-Project
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Branches
New branch
Overview
Yours
Active
Stale
All
Search branches...
Default
Branch
Behind | Ahead
Pull request
main
Default
Create a branch
New branch name
develop
Source
main
Cancel
Create new branch
Activate Windows
Go to Settings to activate Windows.
23:17
28-09-2024


Instances | E
EC2 Instance
EC2 Instance
EC2 Instance
3.137.180.17
Branches · N
New Item [Je
Webhook · h
Not secure
3.145.14.255:8080/view/all/newJob
Jenkins
Search (CTRL+K)
2
Nagesha KS
log out
Dashboard
All
New Item
New Item
Enter an item name
Prod job
Select an item type
Freestyle project
Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.
Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.
OK
Activate Windows
Go to Settings to activate Windows.
23:19
28-09-2024


Instances | E
EC2 Instance
EC2 Instance
EC2 Instance
3.137.180.17
Branches · N
New Item [J
Webhook · h
Not secure
3.145.14.255:8080/view/all/newJob
Dashboard
All
New Item
Folder
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.
Multibranch Pipeline
Creates a set of Pipeline projects according to detected branches in one SCM repository.
Organization Folder
Creates a set of multibranch project subfolders by scanning for repositories.
If you want to create a new item from other existing, you can use this option:
Copy from
Test job
OK
Activate Windows
Go to Settings to activate Windows.
REST API
Jenkins 2.462.2
23:20
28-09-2024


Instances | E
EC2 Instance
EC2 Instance
EC2 Instance
3.137.180.17
Branches · N
Prod jobs Co
Webhook · h
Not secure
3.145.14.255:8080/job/Prod%20jobs/configure
Dashboard > Prod jobs > Configuration
Configure
General
Source Code Management
Build Triggers
Build Environment
Build Steps
Post-build Actions
Credentials
- none -
+ Add
Advanced
Add Repository
Branches to build
Branch Specifier (blank for 'any')
*/develop
Add Branch
Activate Windows
Go to Settings to activate Windows.
Save
Apply
23:21
28-09-2024


Instances | E
EC2 Instance
EC2 Instance
EC2 Instance
3.137.180.17
Caps1Project
Prod Server
dockerfile in
github.com/Nag9516/Caps1Project1/tree/master
Nag9516 / Caps1Project1
Type / to search
Code
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
master
Caps1Project1 /
Go to file
t
Add file
Nag9516 Create Dockerfile
31a49cb · now
History
This branch is 1 commit ahead of hshar/website:master.
Contribute
Sync fork
Name
Last commit message
Last commit date
images
final
5 years ago
Dockerfile
Create Dockerfile
now
index.html
modified
5 years ago
Activate Windows
Go to Settings to activate Windows.
23:38
28-09-2024

Capstone1 Project - Commands

goto AWS console EC2
install 3 EC2 instances
ubuntu t2.micro ami 22.04 keypair security group and launch
rename as

Nagesha-DevOps-Caps1-Master
Nagesha-DevOps-Caps1-Test
Nagesha-DevOps-Caps1-Prod

connect ec2 instnce dashboard to ssh

goto master

sudo nano a.sh
sudo apt update
sudo apt install software-properties-common
sudo add-apt-repository --yes --update ppa:ansible/ansible
sudo apt install ansible -y

bash a.sh

=-- enter keypair
ssh-keygen
Generating public/private e2939393 key pair.
Enter in which to save key (/home/ubuntu/id_ed....): click enter as it is the default location
cd .ssh
ls

sudo cat id_rsa.pub
=-- copy the content

goto text slave1 (Test)
sudo nano .ssh/authorized_keys

goto prod slave2 (Prod)
bash a.sh
sudo nano .ssh/authorized_keys

goto master
cd /etc/ansible
ls
sudo nano hosts

[group]
Test ansible_host=<private IP of test slave1>
Prod ansible_host=<private IP of prod slave2>

[group]
Test ansible_host=172.31.2.223
Prod ansible_host=172.31.9.96

ansible -m ping all

Are you sure you want to continue connecting: yes
Please type 'yes' or the fingerprint: yes
Please type 'yes' or the fingerprint: yes

goto master
sudo nano play.yaml

 - name: executing script on master

```
  hosts: localhost
  become: true
  tasks:
   - name: executing b.sh script on master
     script: b.sh
 - name: executin script on slaves
  hosts: all
  become: true
  tasks:
   - name: executing c.sh script on slaves
     script: c.sh
```

sudo nano b.sh

```
#!/bin/bash
# Update package list
sudo apt update
# Install OpenJDK 17
sudo apt install openjdk-17-jdk -y
# Install Docker
sudo apt install docker.io -y
# Jenkins installation commands
# Download Jenkins key and add to keyrings
sudo wget -q -O /usr/share/keyrings/jenkins-keyring.asc https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key
# Add Jenkins repository to the sources list
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
# Update package list again to include Jenkins repository
sudo apt-get update
# Install Jenkins
sudo apt-get install jenkins -y
```

sudo nano c.sh

sudo apt update
sudo apt install openjdk-17-jdk -y
sudo apt install docker.io -y

sudo cat play.yaml

ansible-playbook play.yaml --syntax-check
=-- syntax is fine
=-- next is dry run
ansible-playbook play.yaml --check
=-- dry run is successful
=-- next run it
ansible-playbook play.yaml

go to test slave1
docker --version
java --version

goto prod slave2
docker --version
java --version

goto github copy the following github link from "DevOps Capstone Project 1 MANDATORY.pdf"
https://github.com/hshar/website.git
click on fork
create a new fork
give fork name as Caps1Project1
click create fork
https://github.com/hshar/website.git

to access Jenkins

goto master ec2
copy public IP of master
paste public IP and add port :8080
-- port :8080 is jenkins port
Unlock Jenkins

goto master

sudo cat paste the copied address here as mentioned below
sudo cat /var/lib/jenkins/secrets/initialAdminPassword

059c0e6999264c40b46e47e9fae39b56

create username: admin
create password: admin
full name Nagesha KS
e-mail addres
Instance URL:

goto manage jenkins
=-- to get ssh agent
plugins
available plugin
select ssh agent
once done goback to new code and give it as test
select permanent agent
create
remote root directory: /home/ubuntu/jenkins/
launch method: launch agent via ssh
host: copy private ip of test-server
credntials:

add:
domain: Global credentials (unrestricted)
kind: SSH Username with private key
scope: Global (Jenkins nodes items, all child items, etc)
username: ubuntu
private key: click enter directly

key:
open the pem key of your key using the notepad
copy the entire content and paste it here

click add
so ssh credentials as Ubuntu has been created

Host key Veritification Strategy
non verifying verification strategy
add
nodes:
built-in is of master
test

sucessfully created node for test-server

New node
new name: Prod
select copy existing node: Test

goto Nodes
goto to Jenkins dashboard
create jobs
sample-job

Freestyle project
click OK

click Git
repository URL: goto github repository
https://github.com/mehar221/Project1.git
credentils: none

clilck add
jenkins
user name: github username with password
passowrd: here paste the personal token;....
goto github profile/settings/developer settings/persoal acces token > tokens(classic) /new token and get personal token
keep the expiration as 7 days
choose workflow
write packages
deletepackages
admin.org
admin.public_key
admin.org_hook

Generate token
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
goto jenkins dashboard and paste the token

build triggers

to add webhooks

http://3.145.14.255:8080/job/sample-job/

goto github and copy the private ip of master
=-- above is payload done

goto jenkins
click build
check console output

goto test-server

cd jenkins/
cd workplace/
ls
cd sample-job/
ls
images, index.html files are here

create test job and prod job
new item
Test job
freestyle project
selet restrict where this project can be run?
Label Expression
Prod Server
Git
repority info

branch specified
build trigger

apply and save

goto build if its successful
check console output
prod workspace
goto Prod server
paste that and ls

goto github
click branch and new branch develop
create new branch
devlop branch has been created

goto Jenkins dashboard
another job
new item
Prod
freestyle project
copy from

select restrict where this project can be run?

repository is same as previous
branch

buitl trigger

apply and save

build now
prod job is built on test server
test job is built on prod server

gooto console outout
goto test-server
cd paste here
ls

goto github
create job
Project1/Dockerfile

FROM ubuntu
RUN apt-get update
RUN apt-get install apache2 -y
COPY . /var/www/html/
ENTRYPOINT apachectl -D FOREGROUND

commit changes on master branh of github

goto github
copy Dockerfile to develop branch
here create Dockerfile
new file
paste content
commit
goto jenkins
check build history

goto Prod-server
inside Test-Job$ ls
dockerfile is there

goto Build Steps

goto execute shell
command box -- container codes
sudo docker build .-t image
sudo docker run -itd -p 80:80 image1

apply and save

build now
build history

goto test-server
ls
you will see Dockerfile

copy test-server public ip and paste on browser with port :8080

goto github
config

goto jenkins dashboard
goto test-job
config
goto Build Steps
goto execute shell
command box -- container codes
sudo docker build . -t image2
sudo dokere run -itd -p 81:80 image2
apply and save

build now
build history

goto prod-server
sudo docker images
sudo docker ps
copy public ip of prod server and paste it on browser port :81

Done