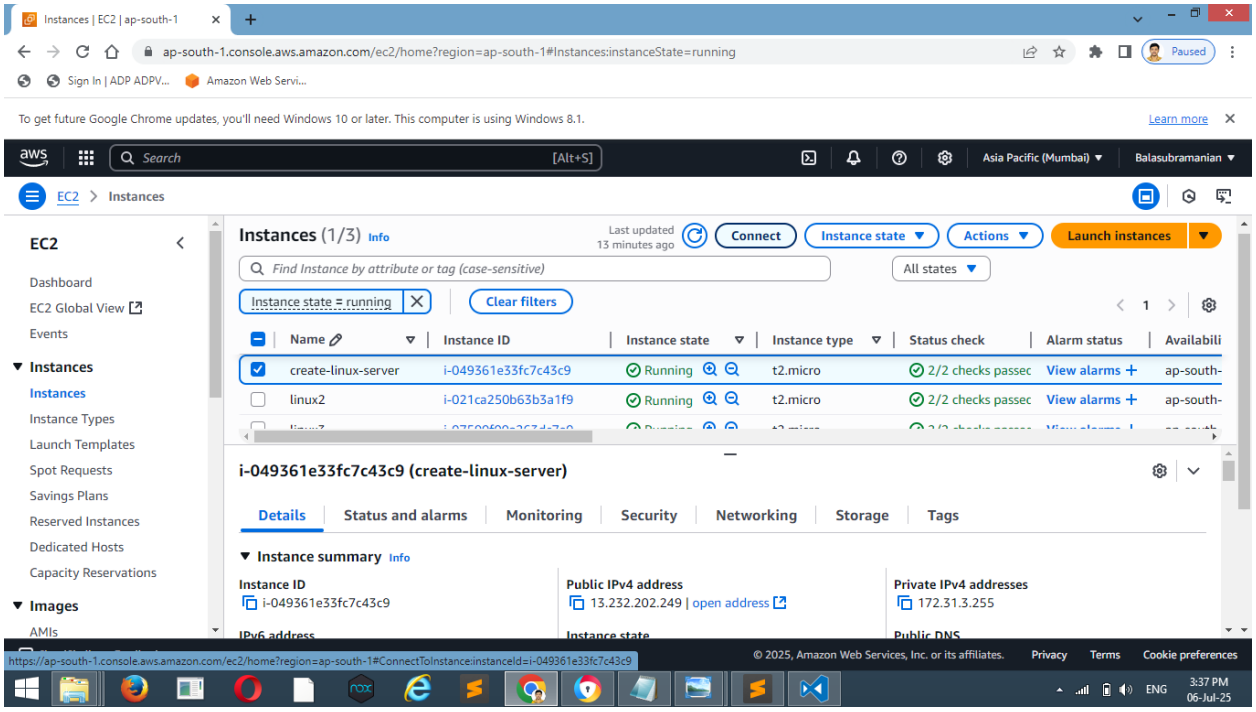
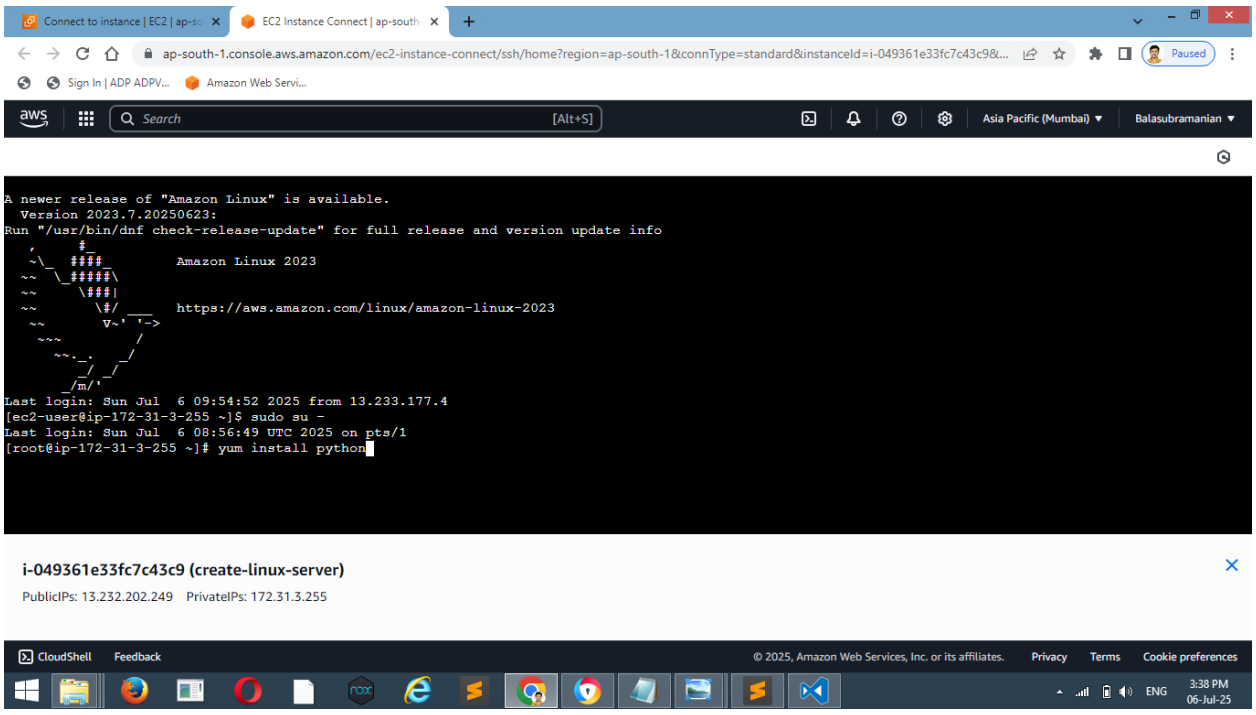
CONFIGURATION MANAGEMENT WITH ANSIBLE

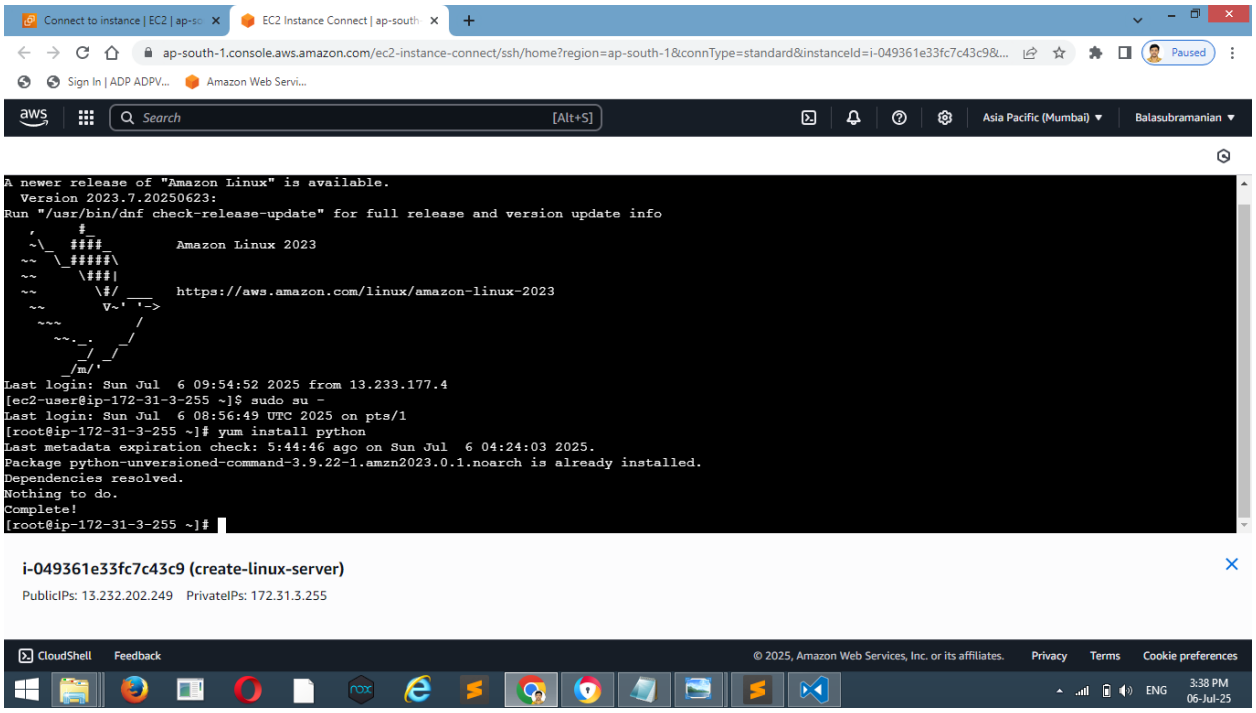
SUMMARY: CONNECTED MAIN AND SLAVE MACHINES USING ANSIBLE FOR REMOTE DEPLOYMENT AUTOMATION.

STEP 1: OPEN AWS WEBSITE, GO TO THE EC2 SERVICE, SELECT AN INSTANCE RUNNING AWS LINUX OS AND CLICK ON THE CONNECT BUTTON

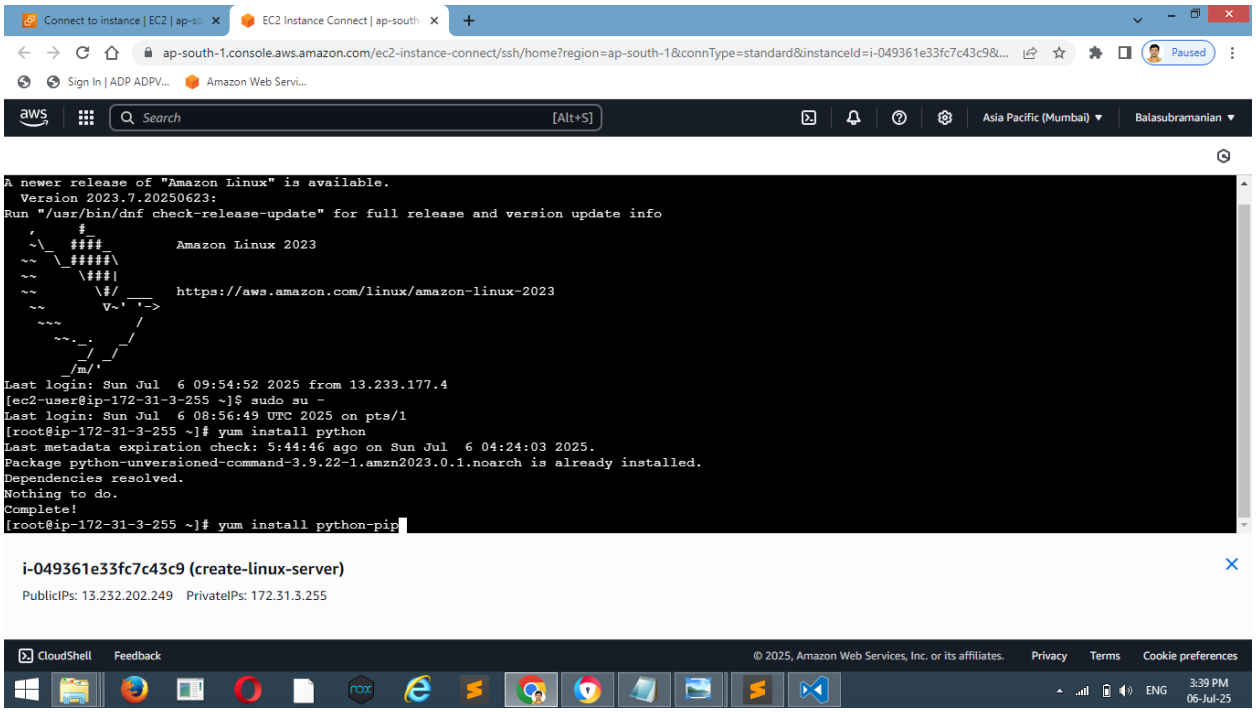


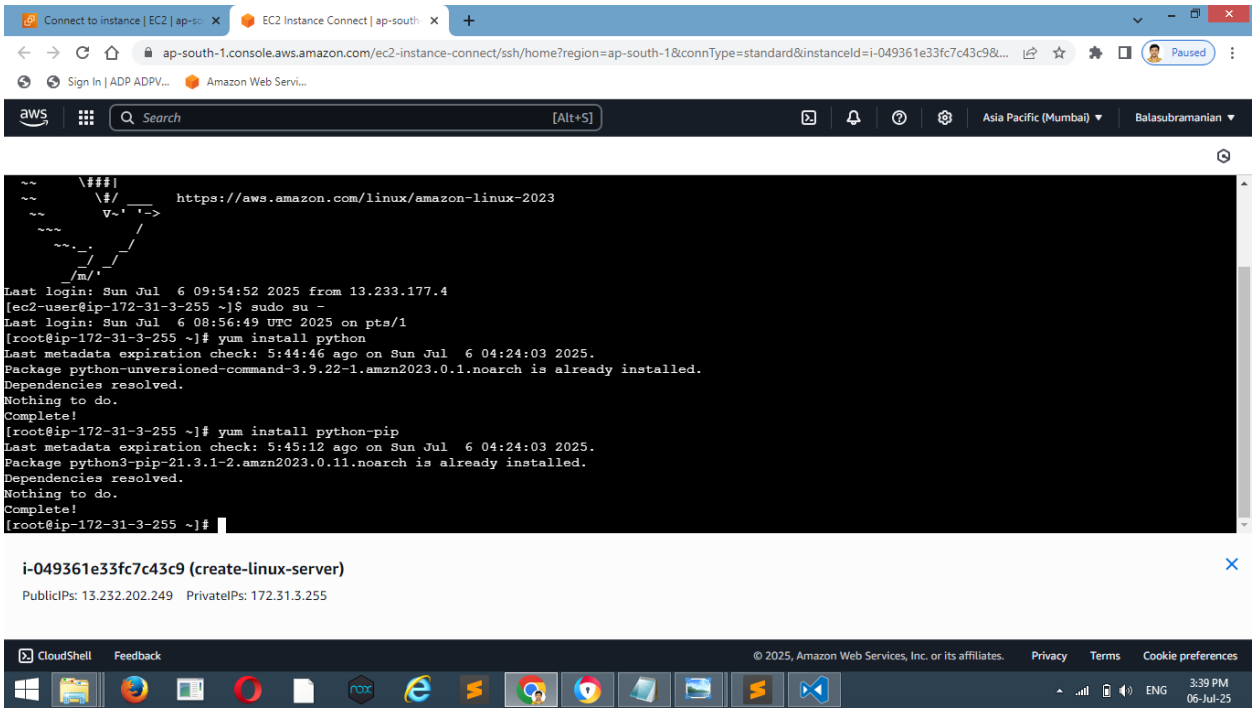
STEP 2: I WILL SWITCHES THE USER TO ROOT ACCOUNT AND INSTALLS PYTHON USING THE YUM PACKAGE MANAGER



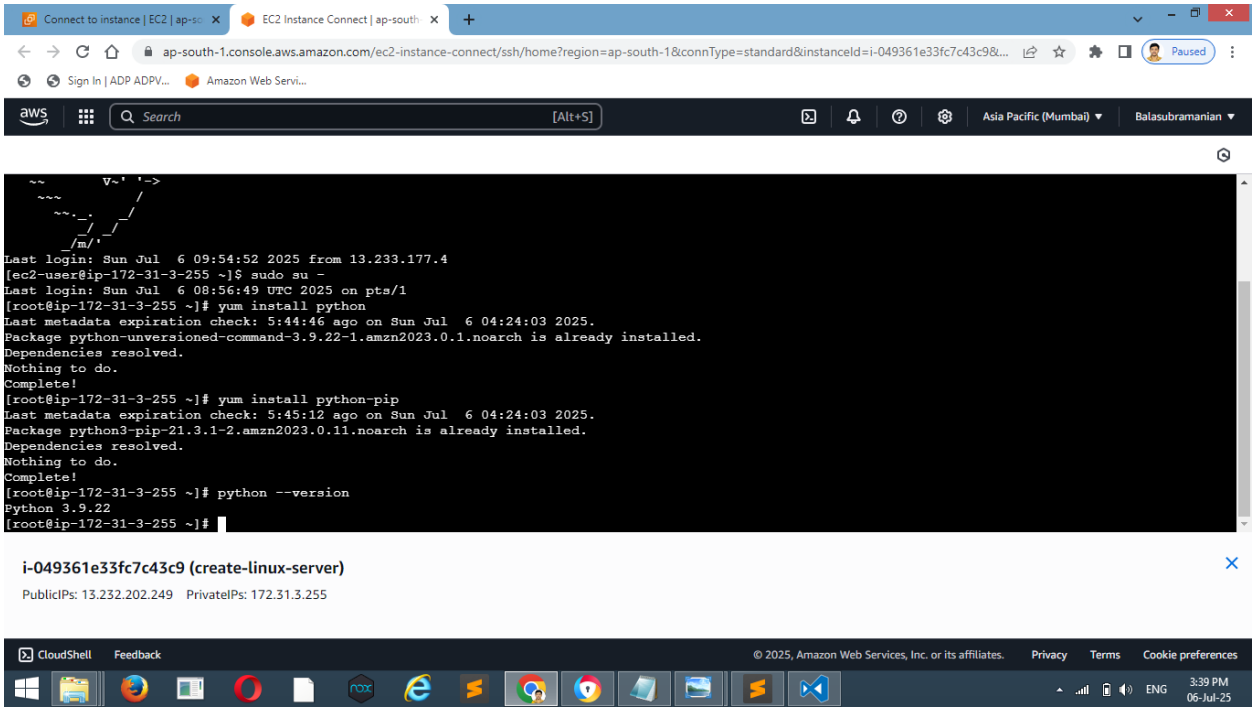


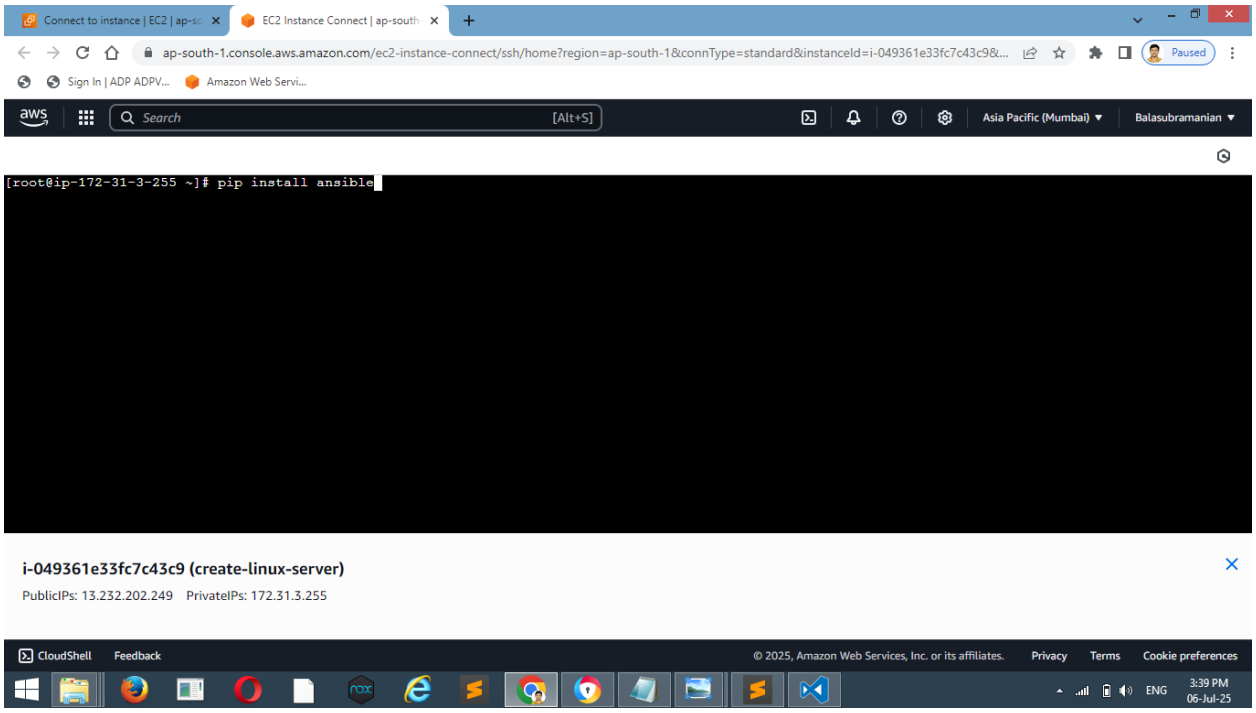
STEP 3: INSTALLS PIP, THE PYTHON PACKAGE MANAGER, USING YUM



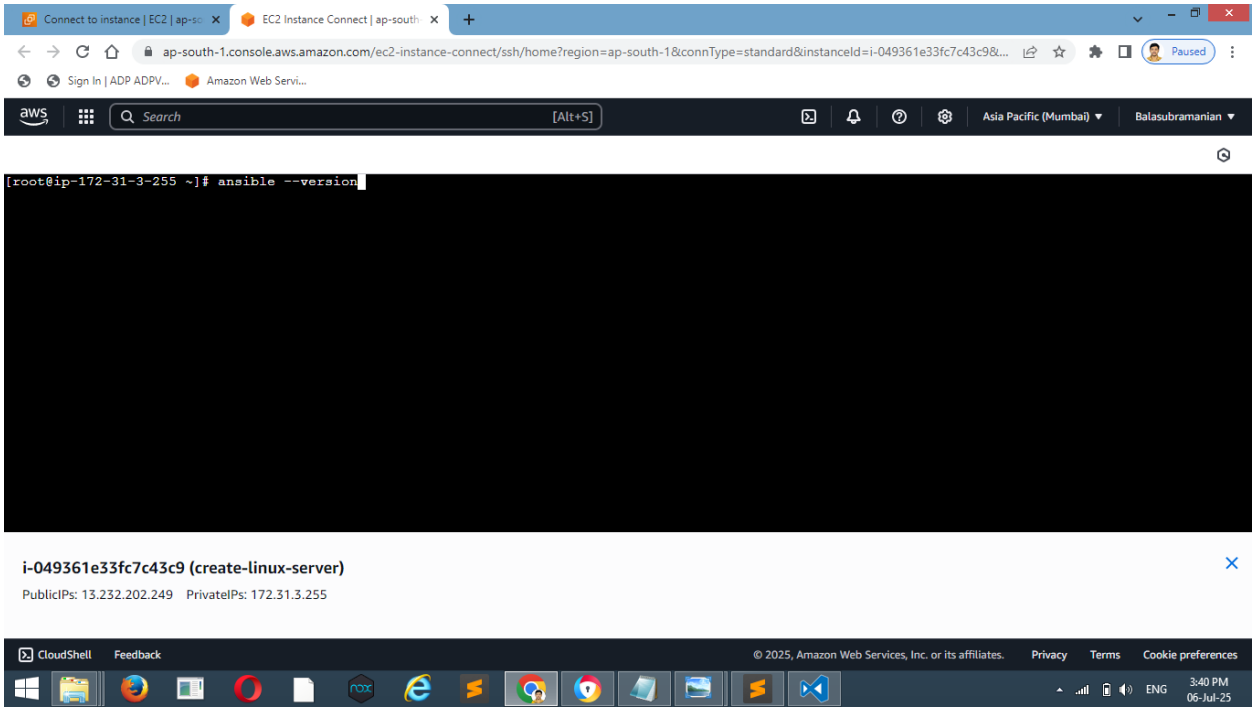


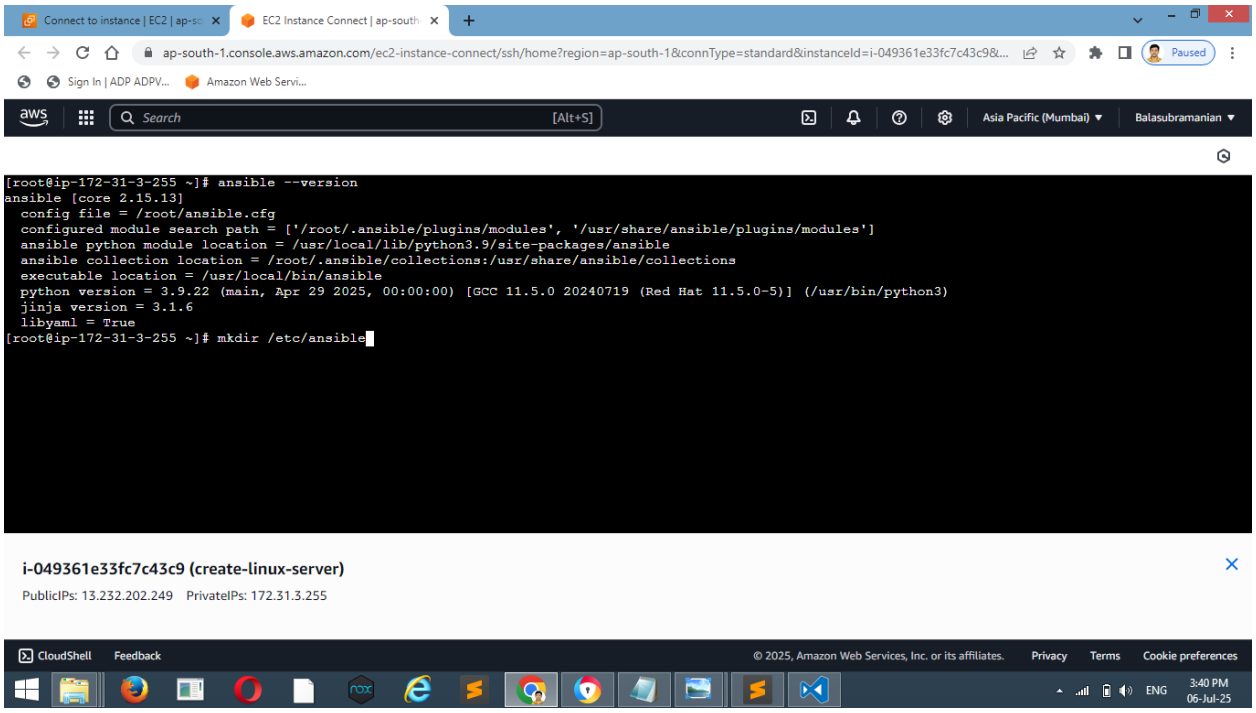
STEP 4: DISPLAYS THE INSTALLED PYTHON VERSION AND I WILL INSTALL ANSIBLE USING PIP





STEP 5: DISPLAYS THE INSTALLED ANSIBLE VERSION AND I WILL CREATE DIRECTORY AND OPENS THE ANSIBLE.CFG FILE IN THE VI EDITOR




Connect to instance | EC2 | ap-so
EC2 Instance Connect | ap-south
ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=ap-south-1&connType=standard&instanceId=i-049361e33fc7c43c9&...
Paused
Sign In | ADP ADPV...
Amazon Web Servi...
aws
Search
[Alt+S]
Asia Pacific (Mumbai)
Balasubramanian
[root@ip-172-31-3-255 ~]# ansible --version
ansible [core 2.15.13]
config file = /root/ansible.cfg
configured module search path = ['/root/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
ansible python module location = /usr/local/lib/python3.9/site-packages/ansible
ansible collection location = /root/.ansible/collections:/usr/share/ansible/collections
executable location = /usr/local/bin/ansible
python version = 3.9.22 (main, Apr 29 2025, 00:00:00) [GCC 11.5.0 20240719 (Red Hat 11.5.0-5)] (/usr/bin/python3)
jinja version = 3.1.6
libyaml = True
[root@ip-172-31-3-255 ~]# mkdir /etc/ansible
i-049361e33fc7c43c9 (create-linux-server)
PublicIPs: 13.232.202.249 PrivateIPs: 172.31.3.255
CloudShell
Feedback
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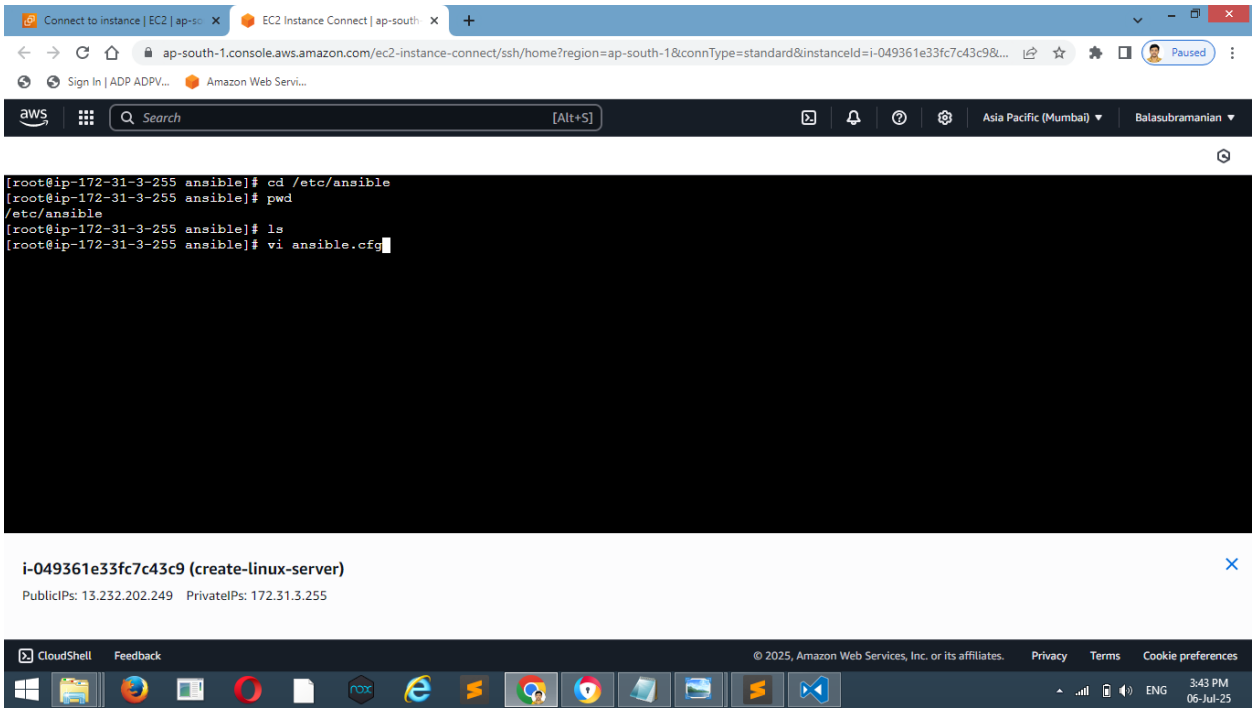
Connect to instance | EC2 | ap-so
EC2 Instance Connect | ap-south
ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=ap-south-1&connType=standard&instanceId=i-049361e33fc7c43c9&...
Paused
Sign In | ADP ADPV...
Amazon Web Servi...
aws
Search
[Alt+S]
Asia Pacific (Mumbai)
Balasubramanian
[root@ip-172-31-3-255 ansible]# cd /etc/ansible
[root@ip-172-31-3-255 ansible]# pwd
/etc/ansible
[root@ip-172-31-3-255 ansible]# ls
[root@ip-172-31-3-255 ansible]# vi ansible.cfg
i-049361e33fc7c43c9 (create-linux-server)
PublicIPs: 13.232.202.249 PrivateIPs: 172.31.3.255
CloudShell
Feedback
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Terms
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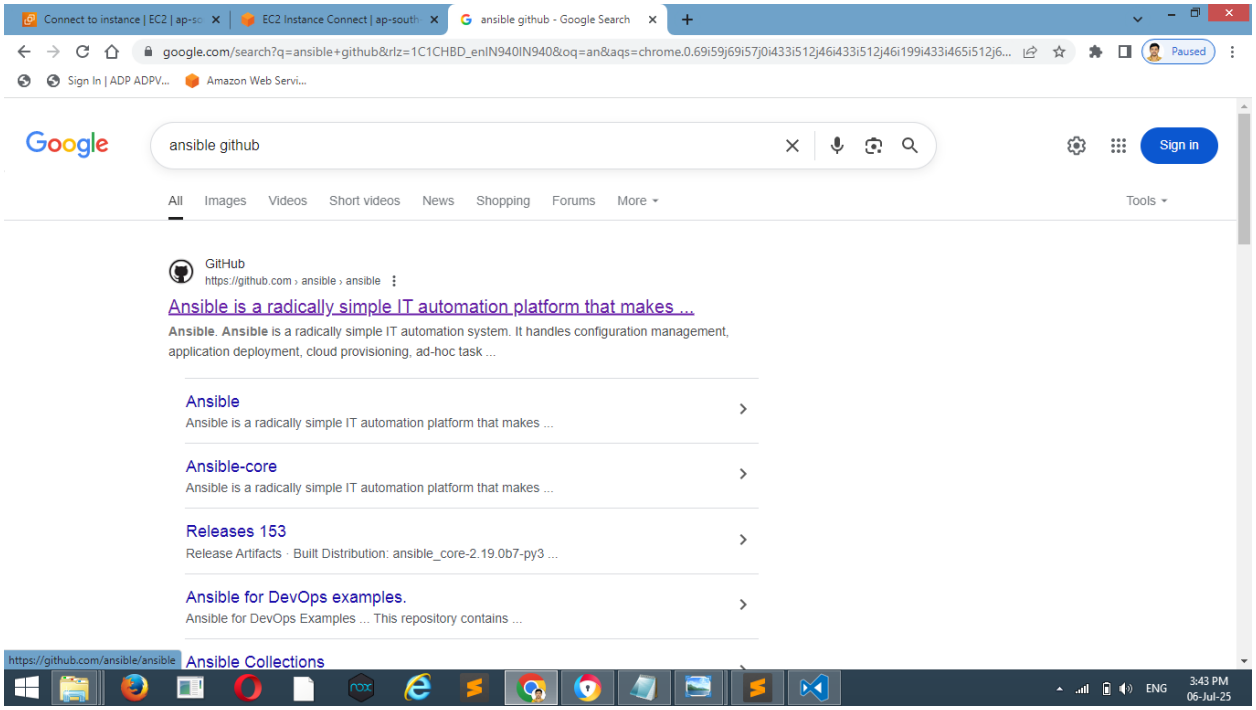
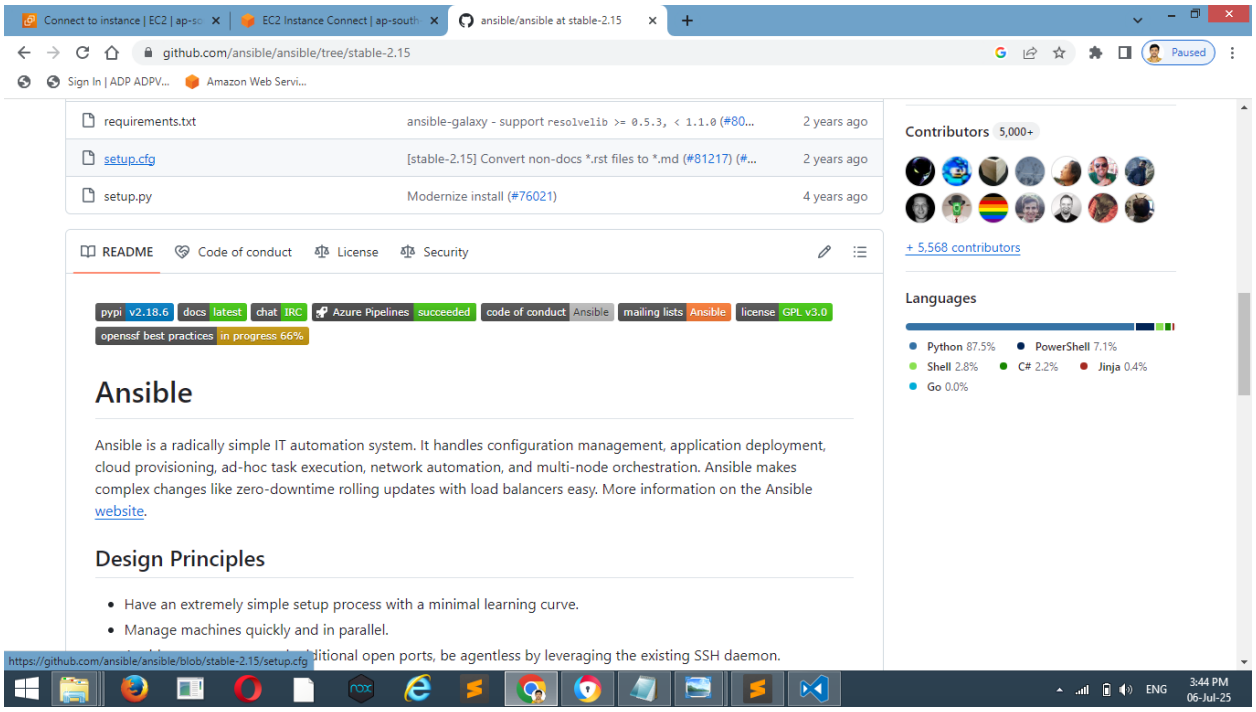
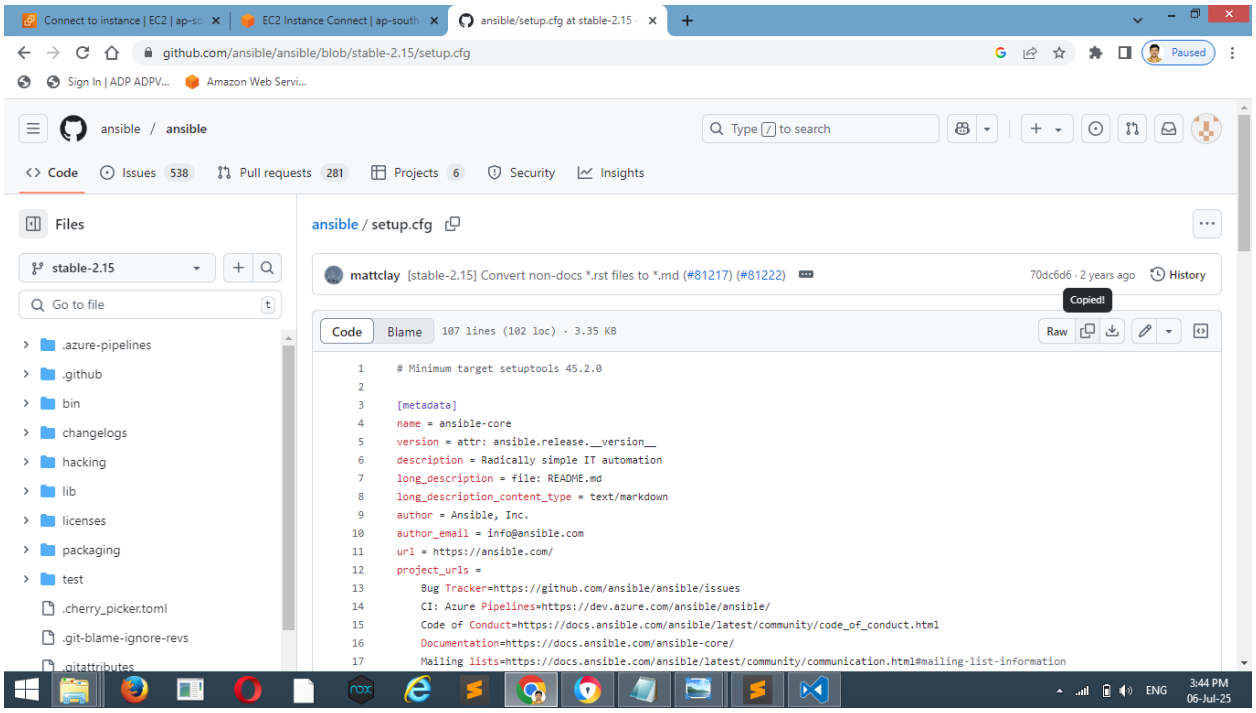
STEP 6: I WILL BROWSE FOR ANSIBLE GITHUB AND COPY THE SETUP.CFG FILE AND PASTE IT IN ANSIBLE.CFG FILE






Connect to instance | EC2 | ap-so
EC2 Instance Connect | ap-south
ansible/setup.cfg at stable-2.15
github.com/ansible/ansible/blob/stable-2.15/setup.cfg
Paused
Sign In | ADP ADPV...
Amazon Web Servi...
ansible / ansible
Type / to search
Code
Issues 538
Pull requests 281
Projects 6
Security
Insights
Files
stable-2.15
Go to file
.azure-pipelines
.github
bin
changelogs
hacking
lib
licenses
packaging
test
.cherry_picker.toml
.git-blame-ignore-revs
.gitattributes
ansible / setup.cfg
mattclay [stable-2.15] Convert non-docs *.rst files to *.md (#81217) (#81222)
70dc6d6 · 2 years ago
History
Copied!
Code
Blame
107 lines (102 loc) · 3.35 KB
Raw
Minimum target setuptools 45.2.0
[metadata]
name = ansible-core
version = attr: ansible.release.__version__
description = Radically simple IT automation
long_description = file: README.md
long_description_content_type = text/markdown
author = Ansible, Inc.
author_email = info@ansible.com
url = https://ansible.com/
project_urls =
Bug Tracker=https://github.com/ansible/ansible/issues
CI: Azure Pipelines=https://dev.azure.com/ansible/ansible/
Code of Conduct=https://docs.ansible.com/ansible/latest/community/code_of_conduct.html
Documentation=https://docs.ansible.com/ansible-core/
Mailing lists=https://docs.ansible.com/ansible/latest/community/communication.html#mailing-list-information
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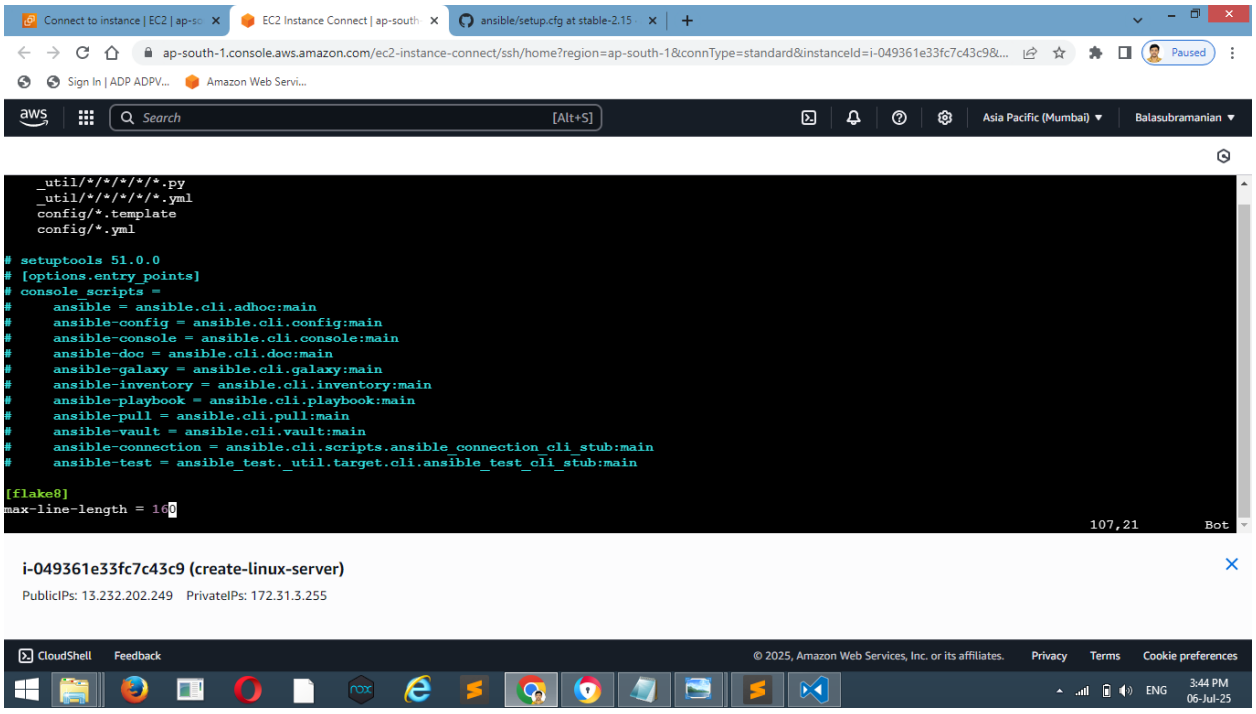
Connect to instance | EC2 | ap-so
EC2 Instance Connect | ap-south
ansible/setup.cfg at stable-2.15
ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=ap-south-1&connType=standard&instanceId=i-049361e33fc7c43c9&...
Paused
Sign In | ADP ADPV...
Amazon Web Servi...
aws
Search
[Alt+S]
Asia Pacific (Mumbai)
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_util/*/*/*/*.py
_util/*/*/*/*.yml
config/*.template
config/*.yml
setuptools 51.0.0
[options.entry_points]
console_scripts =
ansible = ansible.cli.adhoc:main
ansible-config = ansible.cli.config:main
ansible-console = ansible.cli.console:main
ansible-doc = ansible.cli.doc:main
ansible-galaxy = ansible.cli.galaxy:main
ansible-inventory = ansible.cli.inventory:main
ansible-playbook = ansible.cli.playbook:main
ansible-pull = ansible.cli.pull:main
ansible-vault = ansible.cli.vault:main
ansible-connection = ansible.cli.scripts.ansible_connection_cli_stub:main
ansible-test = ansible_test._util.target.cli.ansible_test_cli_stub:main
[flake8]
max-line-length = 160
107,21
Bot
i-049361e33fc7c43c9 (create-linux-server)
PublicIPs: 13.232.202.249 PrivateIPs: 172.31.3.255
CloudShell
Feedback
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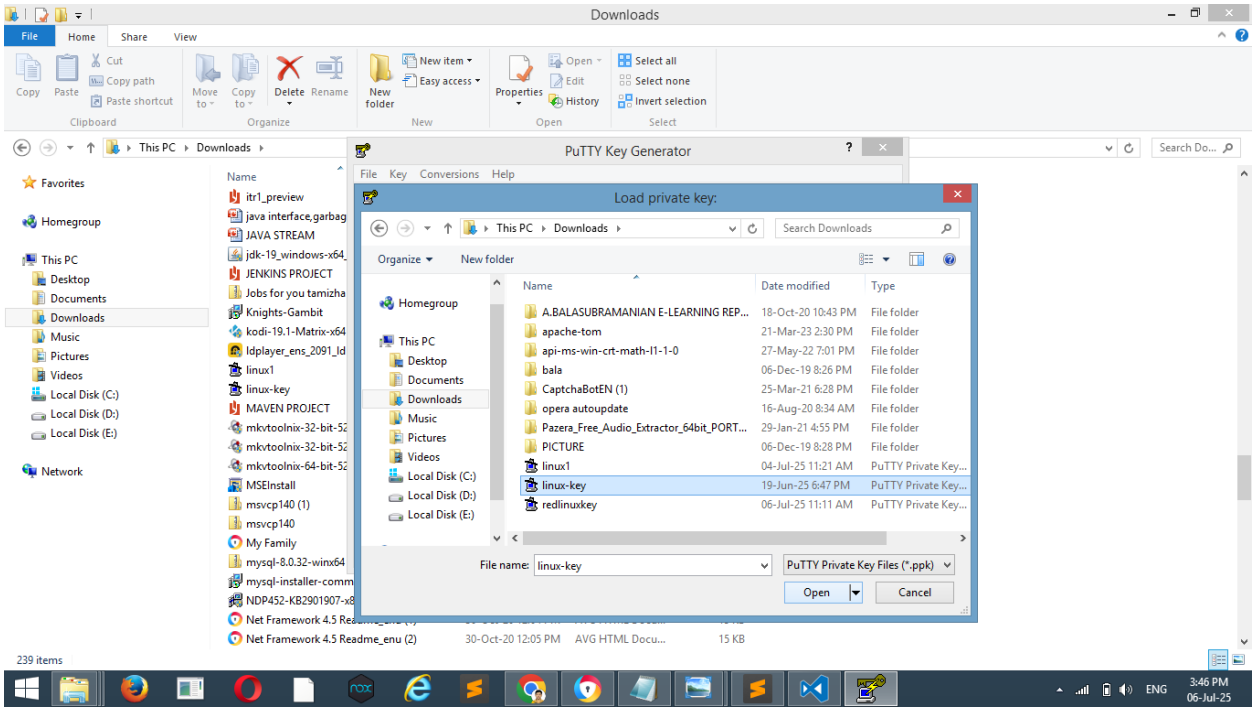
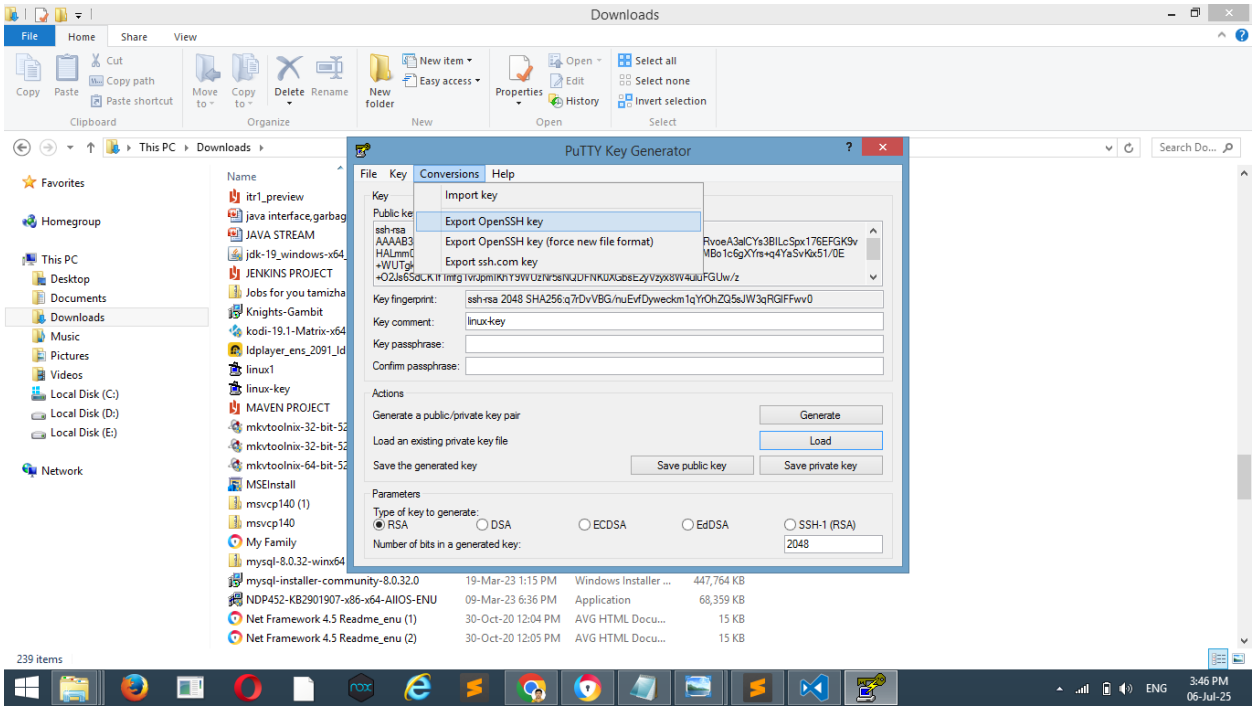
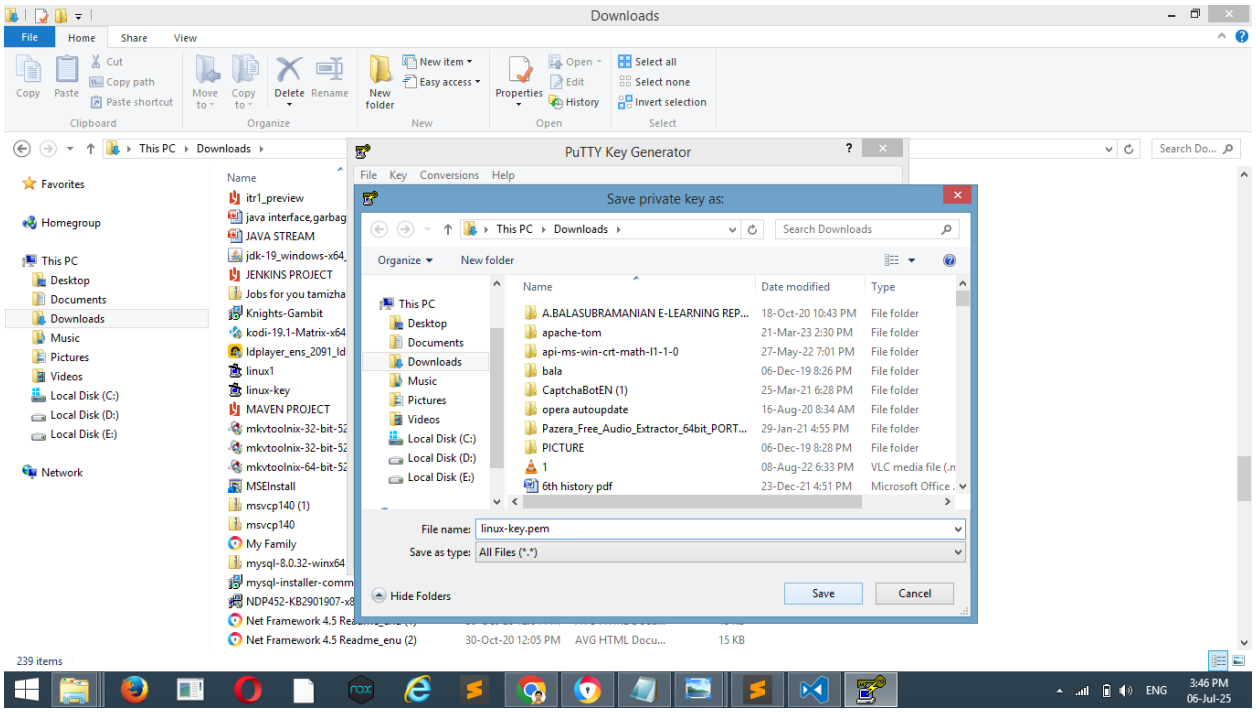
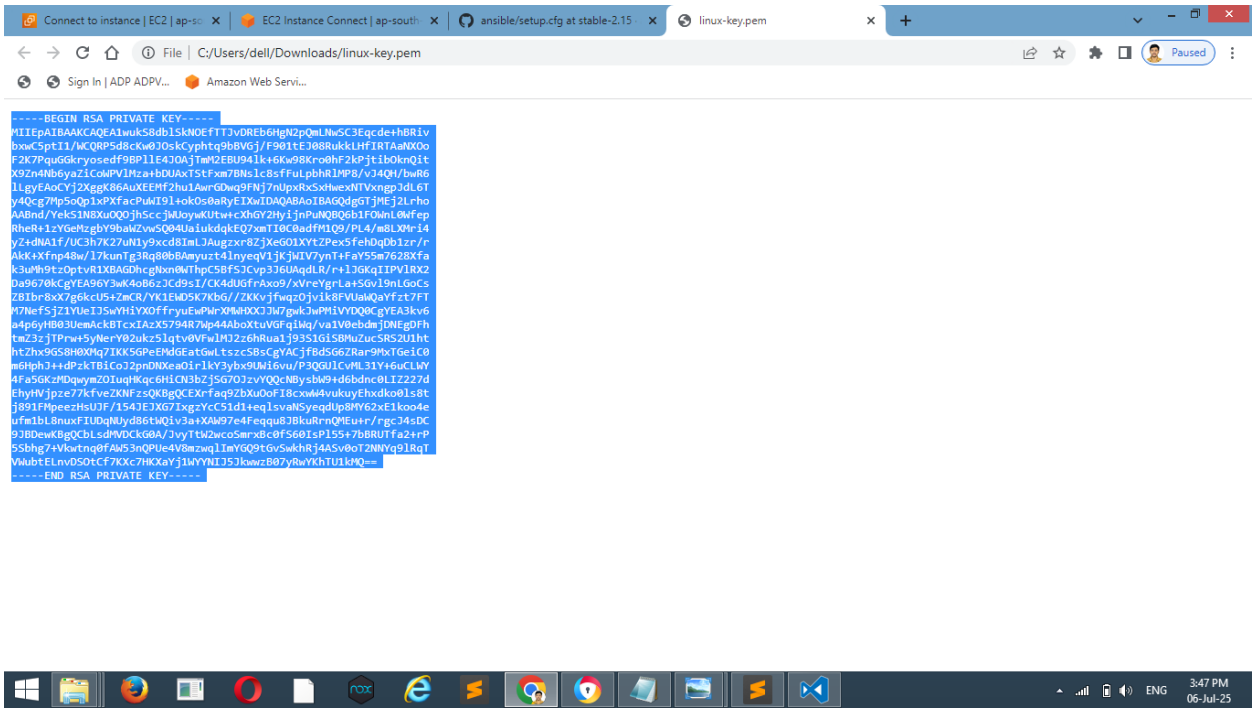
STEP 7: I WILL CONVERT PPK KEY FILE TO PEM KEY FILE USING PUTTYGEN

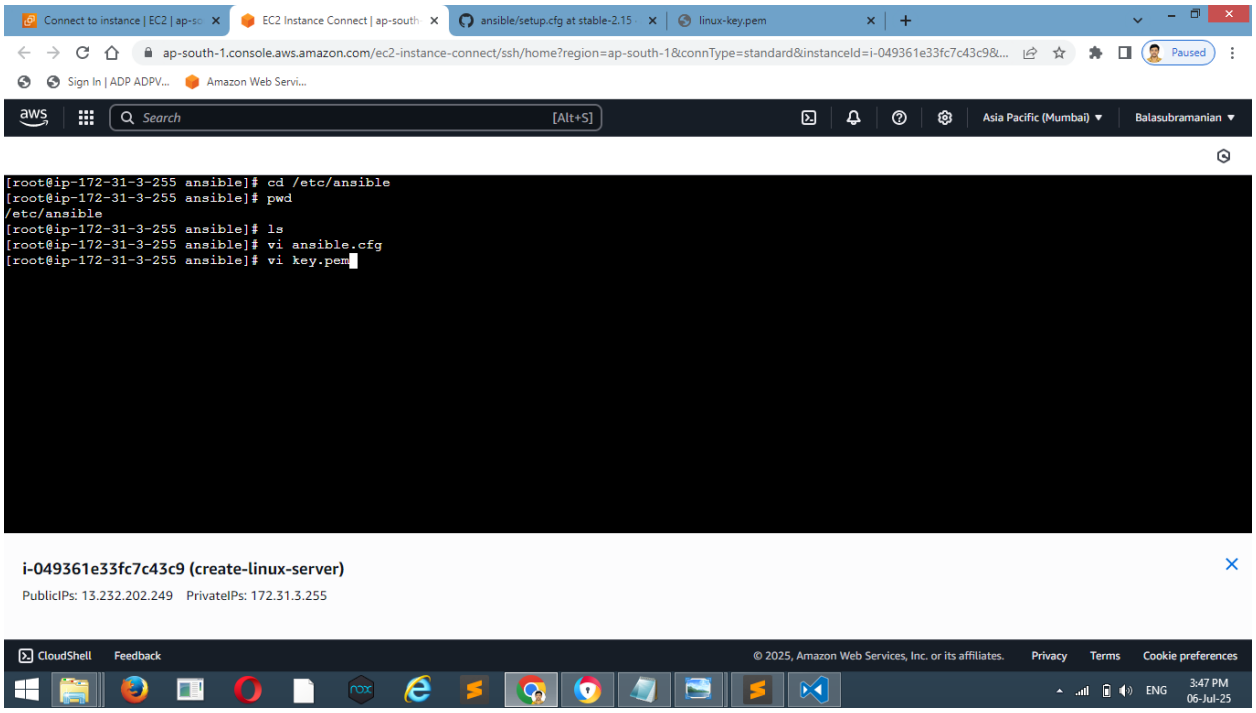






STEP 8: COPY THE PEM KEY FILE AND OPEN KEY.PEM FILE AND PASTE IT




Connect to instance | EC2 | ap-so
EC2 Instance Connect | ap-south
ansible/setup.cfg at stable-2.15
linux-key.pem
ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=ap-south-1&connType=standard&instanceId=i-049361e33fc7c43c9&...
Paused
Sign In | ADP ADPV...
Amazon Web Servi...
aws
Search
[Alt+S]
Asia Pacific (Mumbai)
Balasubramanian
[root@ip-172-31-3-255 ansible]# cd /etc/ansible
[root@ip-172-31-3-255 ansible]# pwd
/etc/ansible
[root@ip-172-31-3-255 ansible]# ls
[root@ip-172-31-3-255 ansible]# vi ansible.cfg
[root@ip-172-31-3-255 ansible]# vi key.pem
i-049361e33fc7c43c9 (create-linux-server)
PublicIPs: 13.232.202.249 PrivateIPs: 172.31.3.255
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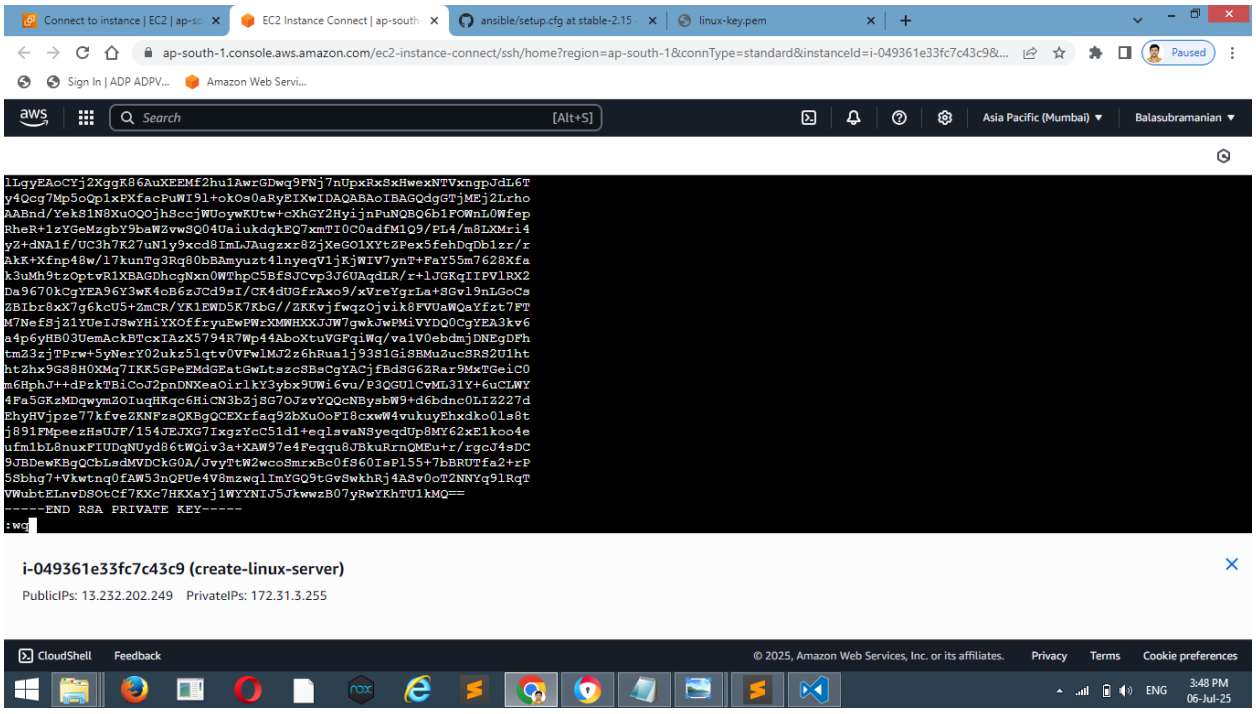
Connect to instance | EC2 | ap-so
EC2 Instance Connect | ap-south
ansible/setup.cfg at stable-2.15
linux-key.pem
ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=ap-south-1&connType=standard&instanceId=i-049361e33fc7c43c9&...
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aws
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Asia Pacific (Mumbai)
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lLgyEAoCYj2XggK86AuXEEMf2hu1AwrGDwq9FNj7nUpxRxSxHwexNTVxngpJdL6T
y4Qcg7Mp5oQp1xPXfacPuWI9l+okOs0aRyEIXwIDAQABAoIBAGQdgGTjMEj2Lrho
AABnd/YekS1N8XuOQOjhSccjWUoywKUtw+cXhGY2HyijnPuNQBQ6b1FOWnL0Wfep
RheR+1zYGeMzgbY9baWzwsQ04Uaiukdqk EQ7xmTI0C0adfM1Q9/PL4/m8LXMri4
y2+dNA1f/UC3h7K27uN1y9xcd8ImLJAugzxr8ZjXeGO1XYtZPex5fehDqDb1zr/r
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ZBIbr8xX7g6kcU5+ZmCR/YK1EWD5K7KbG//ZKKvjfwqzOjvik8FVUaWQaYfzt7FT
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a4p6yHB03UemAckBTcxIAzX5794R7Wp44AboXtuVGFqiWq/valV0ebdmjDNEgDFh
tmZ3zjTPrw+5yNerY02ukz5lqtv0VFwlMJ2z6hRua1j93S1GiSBMuZucSRS2U1ht
htZhx9GS8H0XMq7IKK5GPeEMdGEatGwLtszcSBsCgYACjfBdSG6ZRar9MxTGeiC0
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4Fa5GKzMDqwymZOIuqHKqc6HiCN3bZjSG7OJzvYQQcNBysbW9+d6bdnc0LI2227d
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VWubtELnvDSOtCf7KXc7HKXaYj1WYYNIJ5JkwwzB07yRwYKhTU1kMQ==
-----END RSA PRIVATE KEY-----
:wq
i-049361e33fc7c43c9 (create-linux-server)
PublicIPs: 13.232.202.249 PrivateIPs: 172.31.3.255
CloudShell
Feedback
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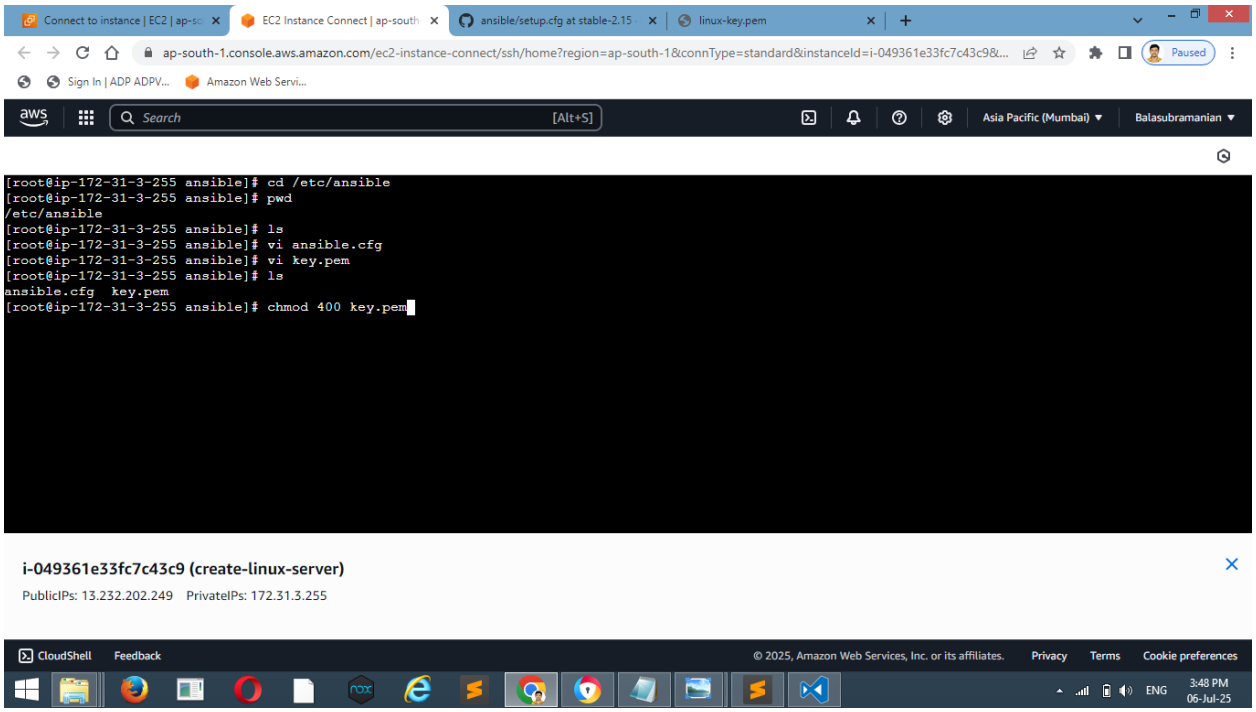
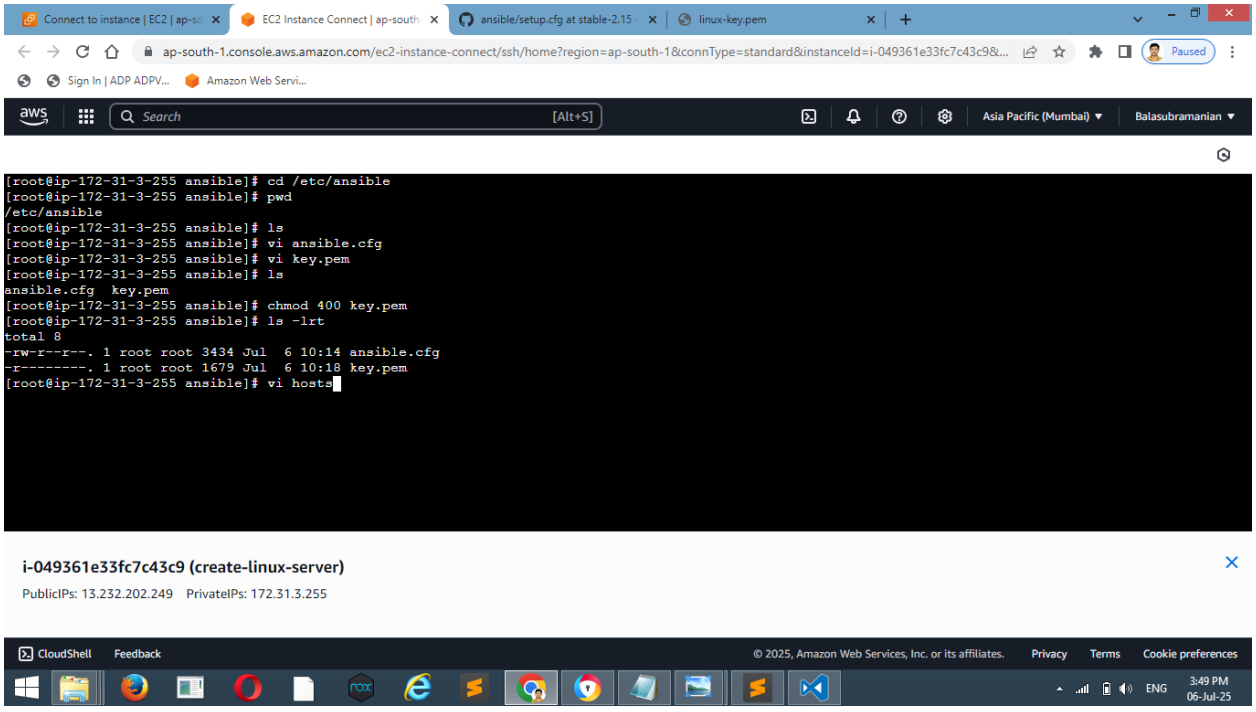
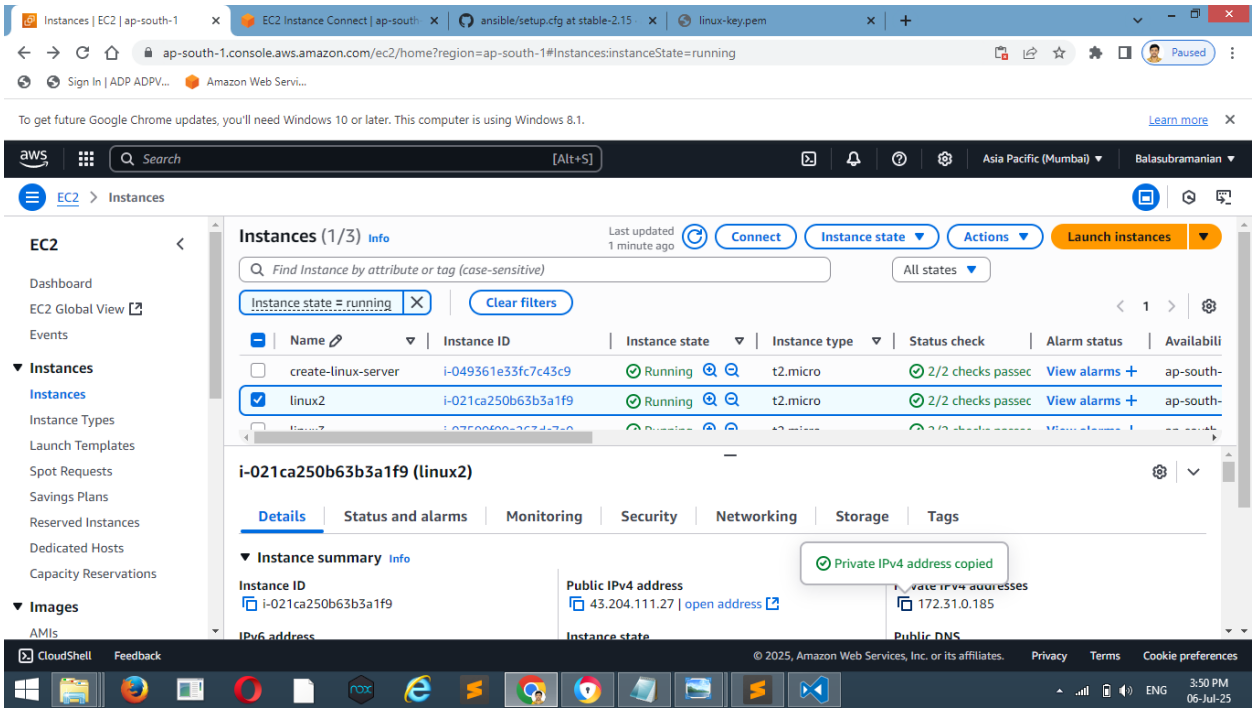
STEP 9: SETS READ-ONLY PERMISSIONS FOR THE KEY.PEM FILE



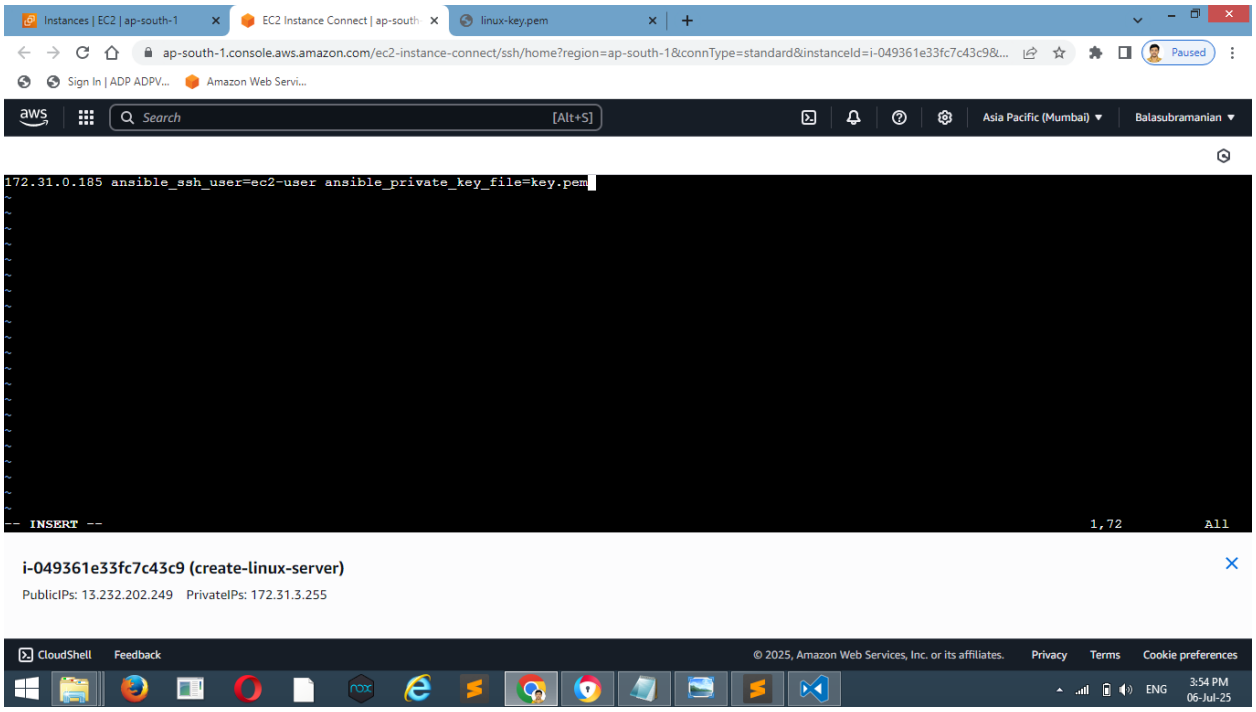
STEP 10: I WILL OPENS THE HOSTS FILE IN THE VI EDITOR FOR EDITING



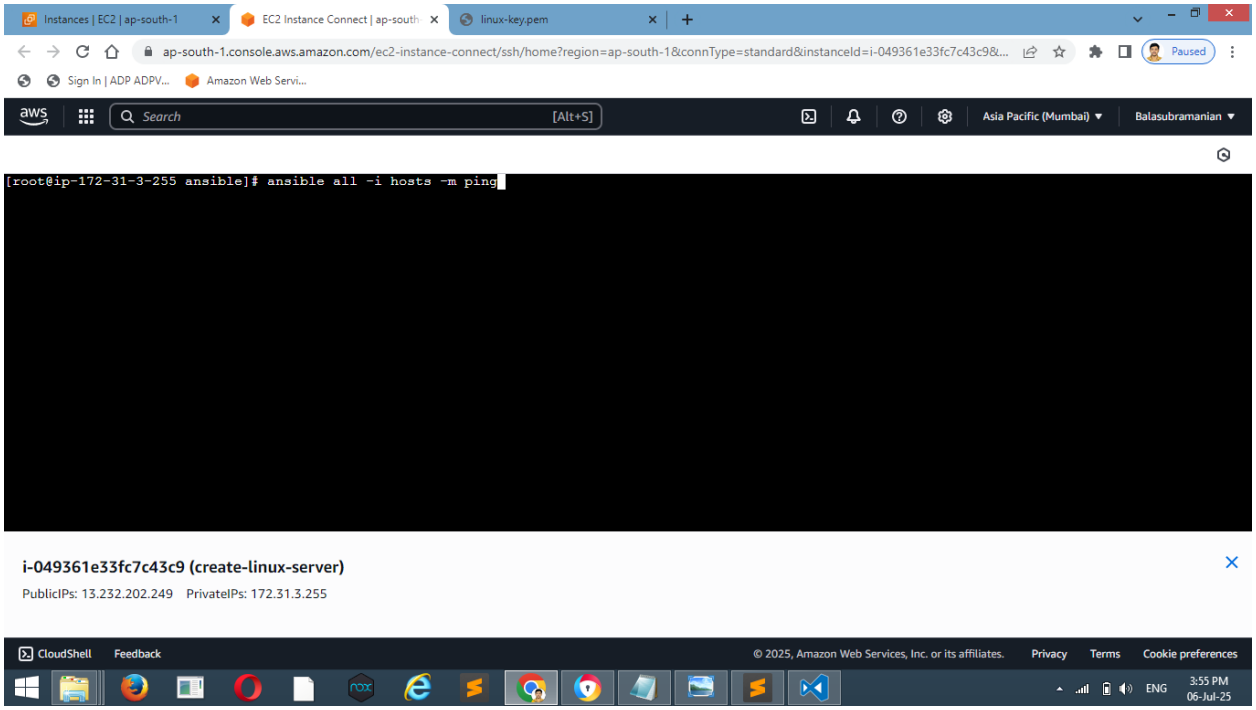
STEP 11: CONNECTING SLAVE MACHINE SO I WILL COPY PRIVATE IP ADDRESS

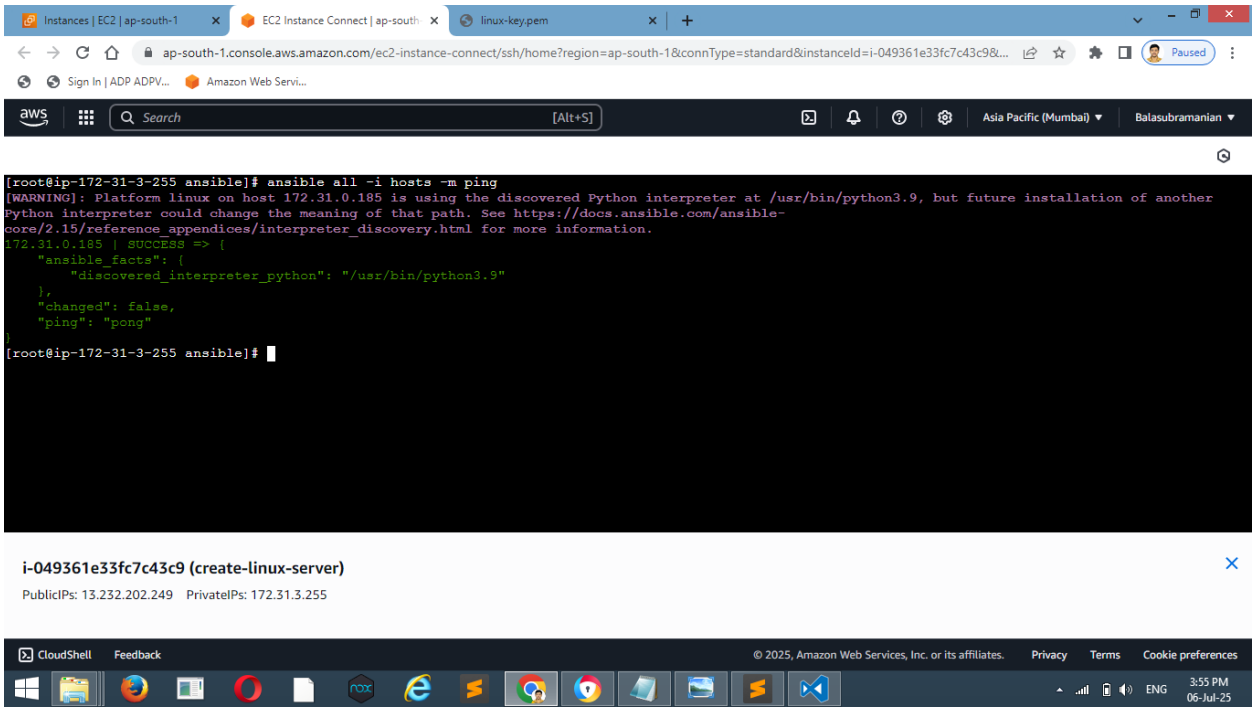


STEP 12: PASTE THE IP ADDRESS IN HOST FILE AND SSH USER FOR CONNECTING TO THE INSTANCE AT THAT TIME SSH PRIVATE KEY USED FOR AUTHENTICATION

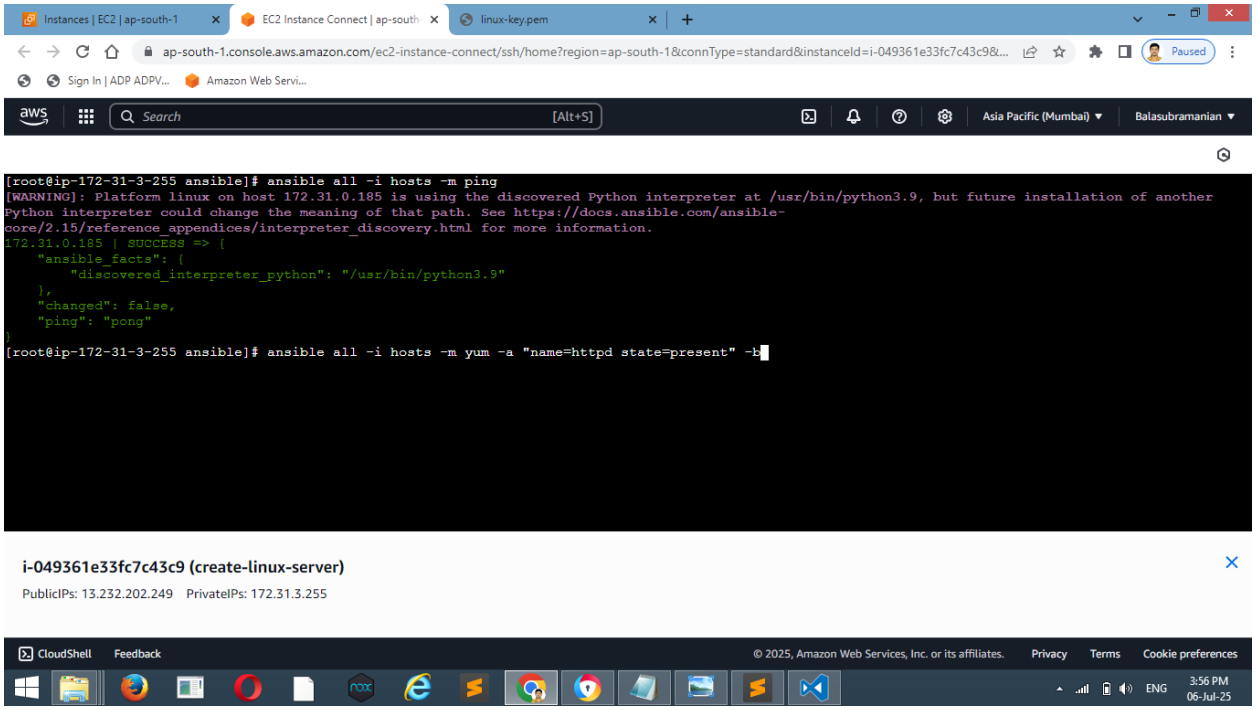


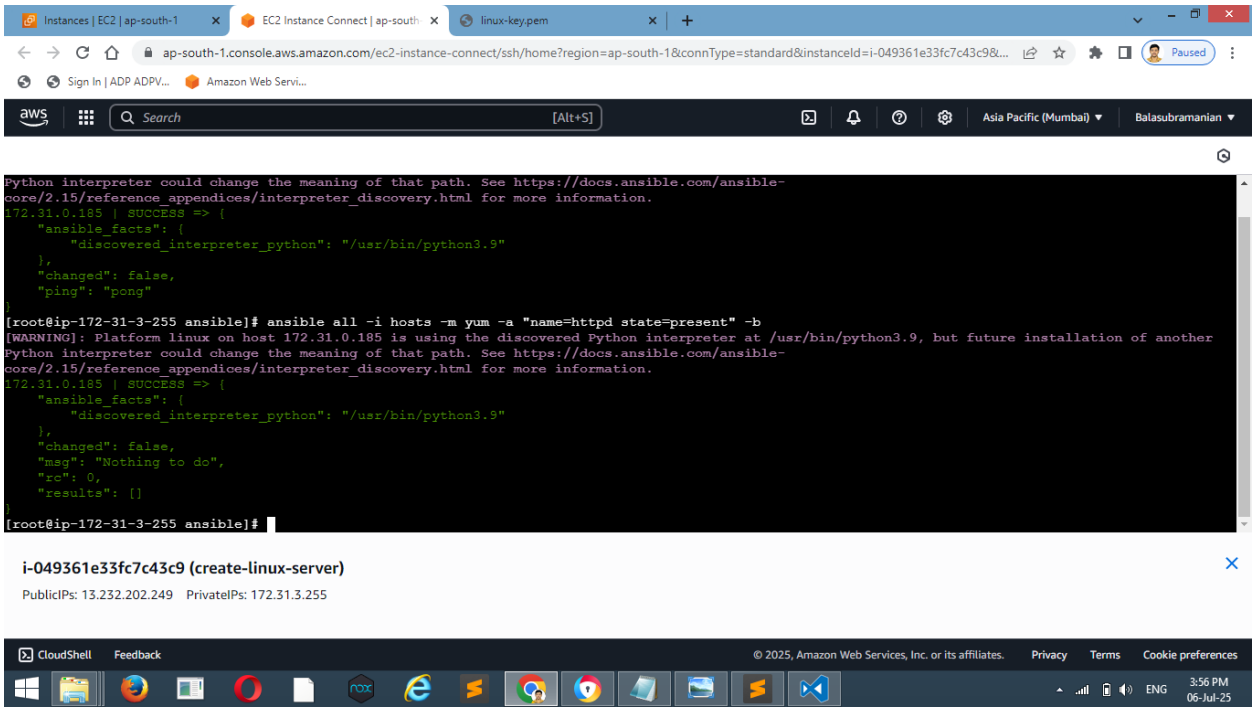
STEP 13: PINGS ALL THE HOSTS LISTED IN THE HOSTS FILE TO CHECK CONNECTIVITY



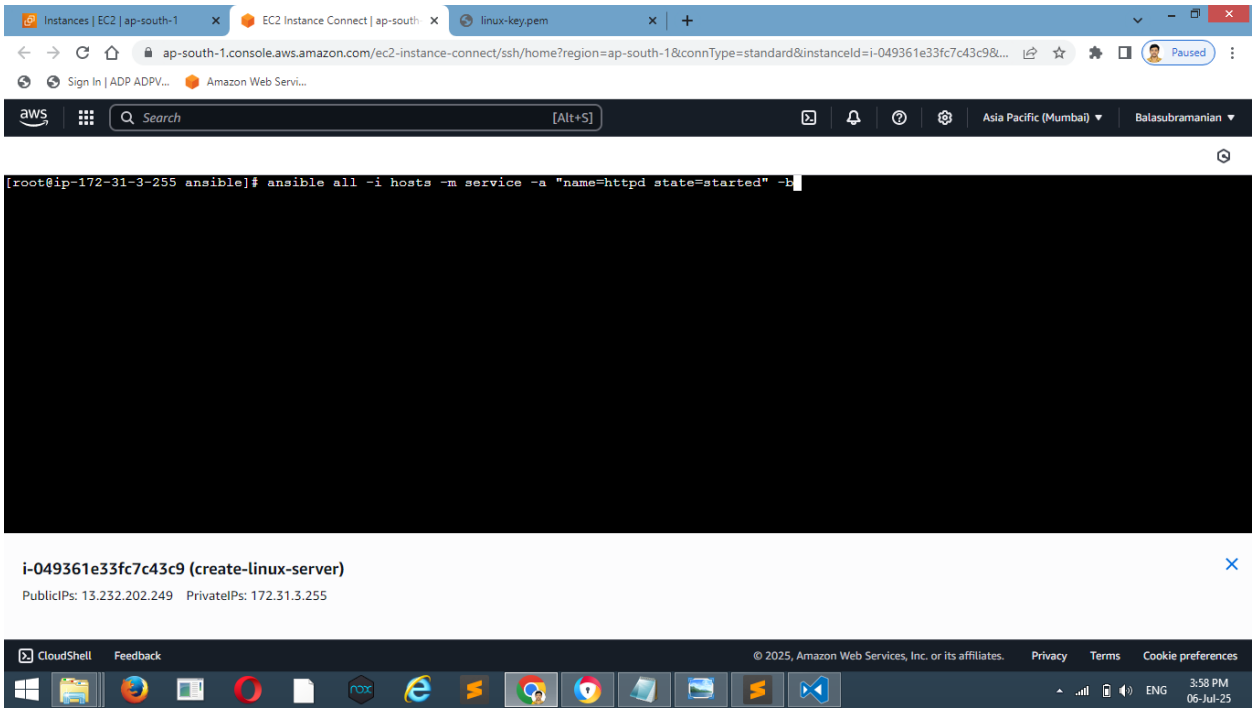


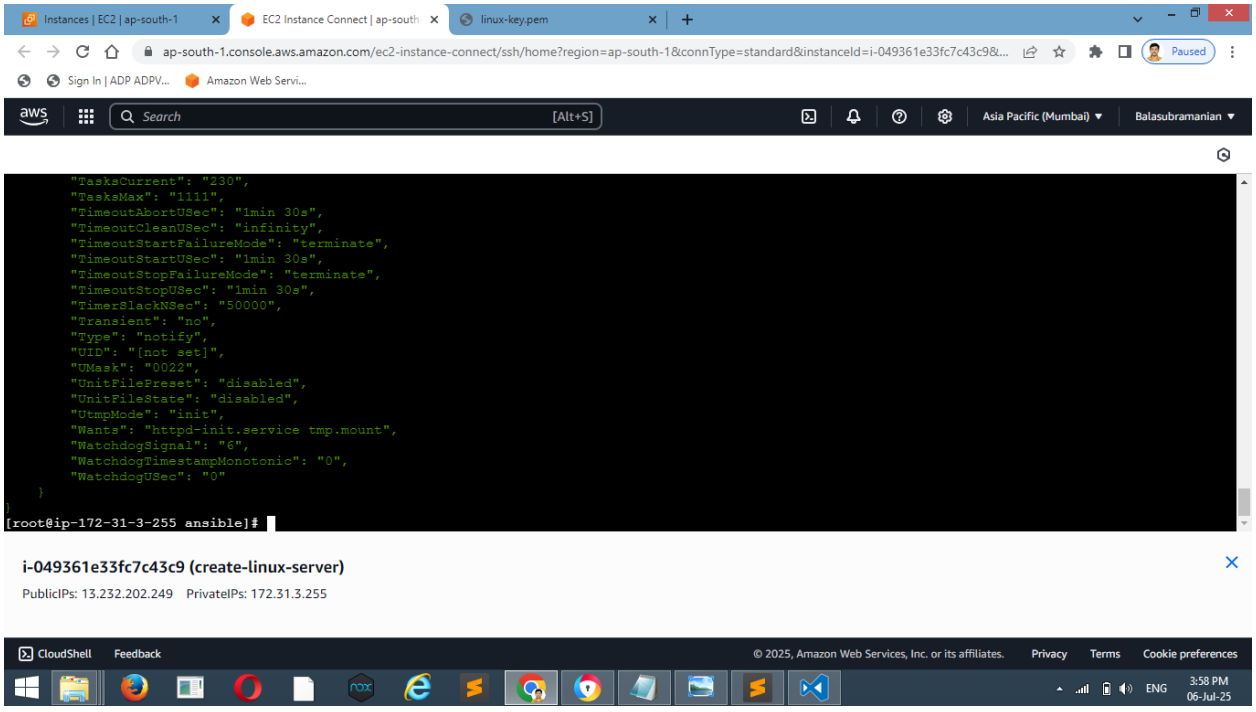
STEP 14: I WILL INSTALL THE HTTPD PACKAGE ON ALL HOSTS LISTED IN THE HOSTS FILE USING ANSIBLE WITH YUM AND ESCALATED PRIVILEGES



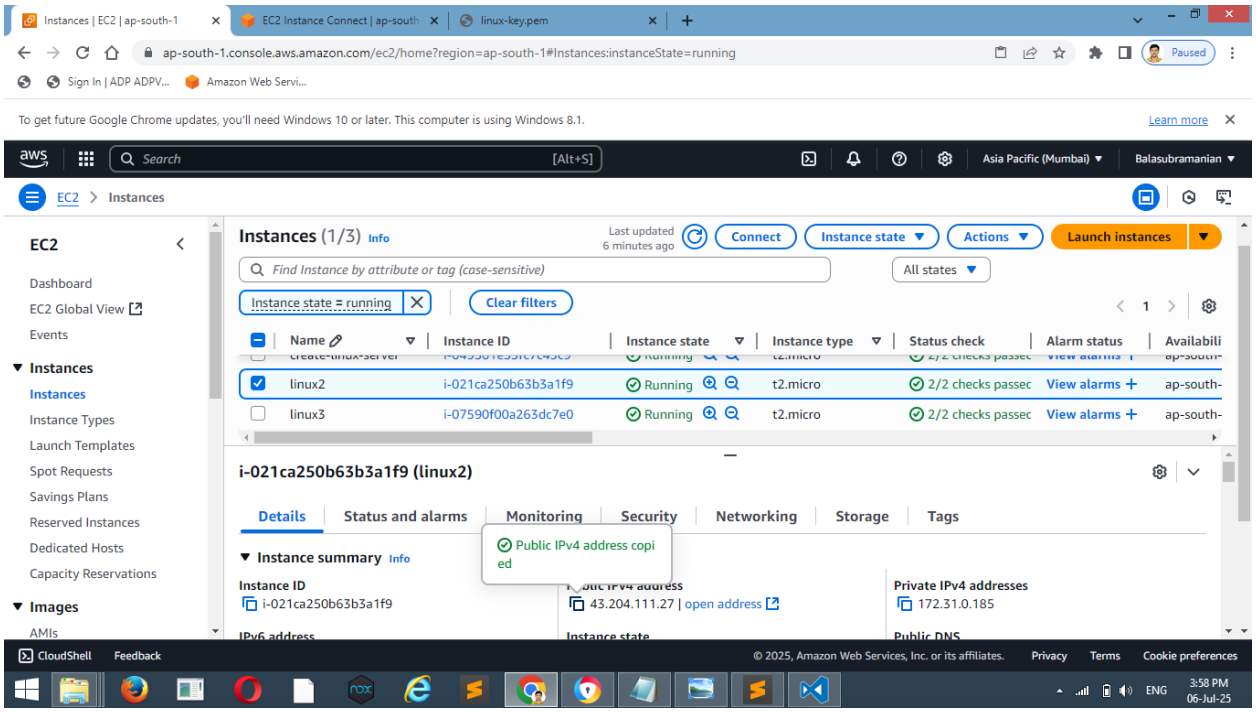


STEP 15: I WILL START THE HTTPD SERVICE ON ALL THE HOSTS

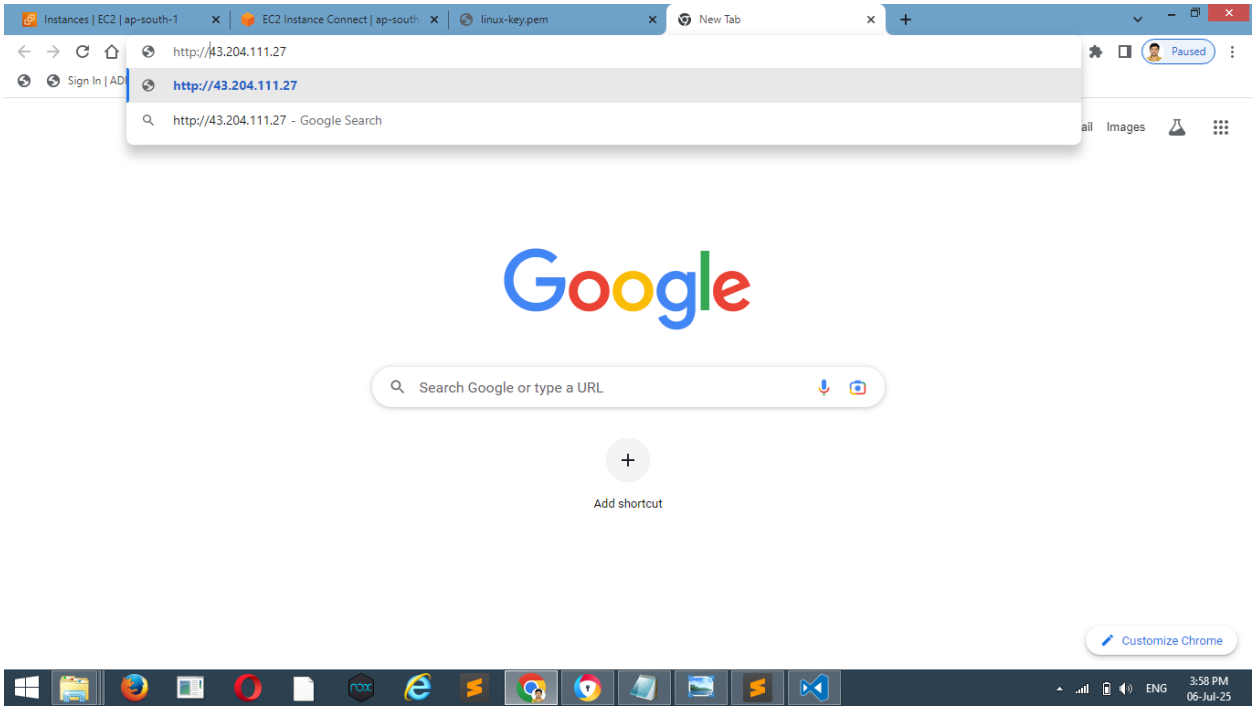




STEP 16: I WILL COPY THE SLAVE MACHINE PUBLIC IP ADDRESS



STEP 17: PASTE IT IN THE BROWSER



STEP 18: FINALLY SUCCESSFULLY MAIN MACHINE IS CONNECTED TO SLAVE MACHINE