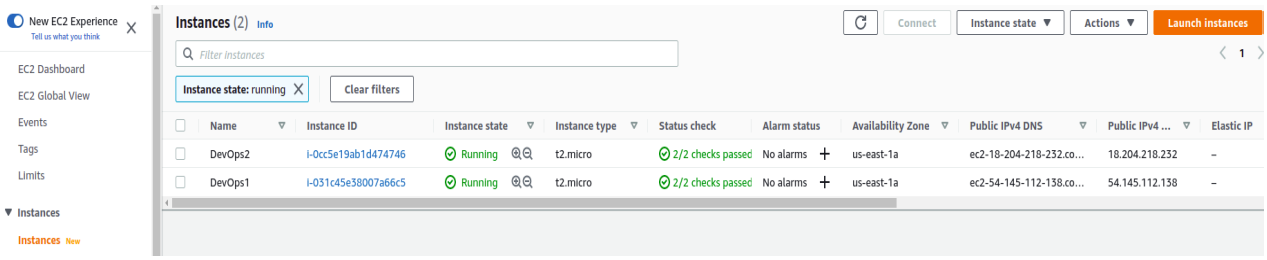
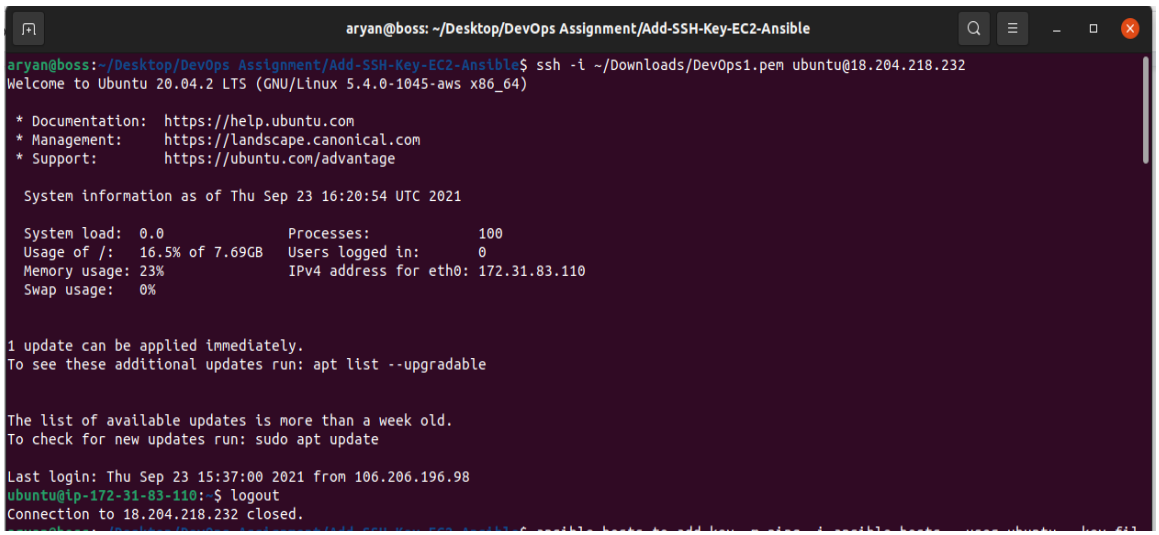
Team 5
DevOps Assignment 3
IIIT DHARWAD
23 Sept 2021

Add users to EC2 instances with SSH Access (Ansible)

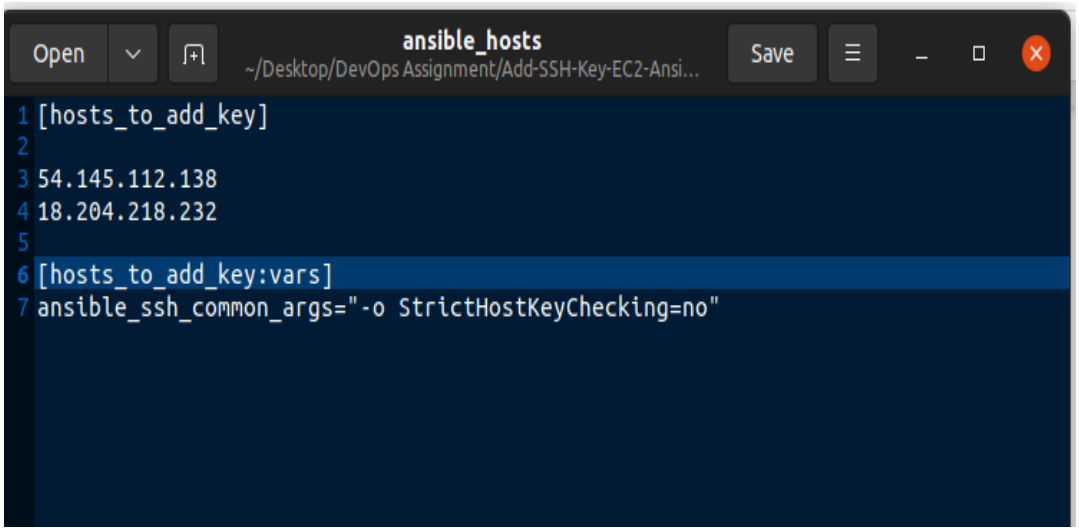
- Step 1: Create 2 or (any numbers of EC2 instances on AWS)



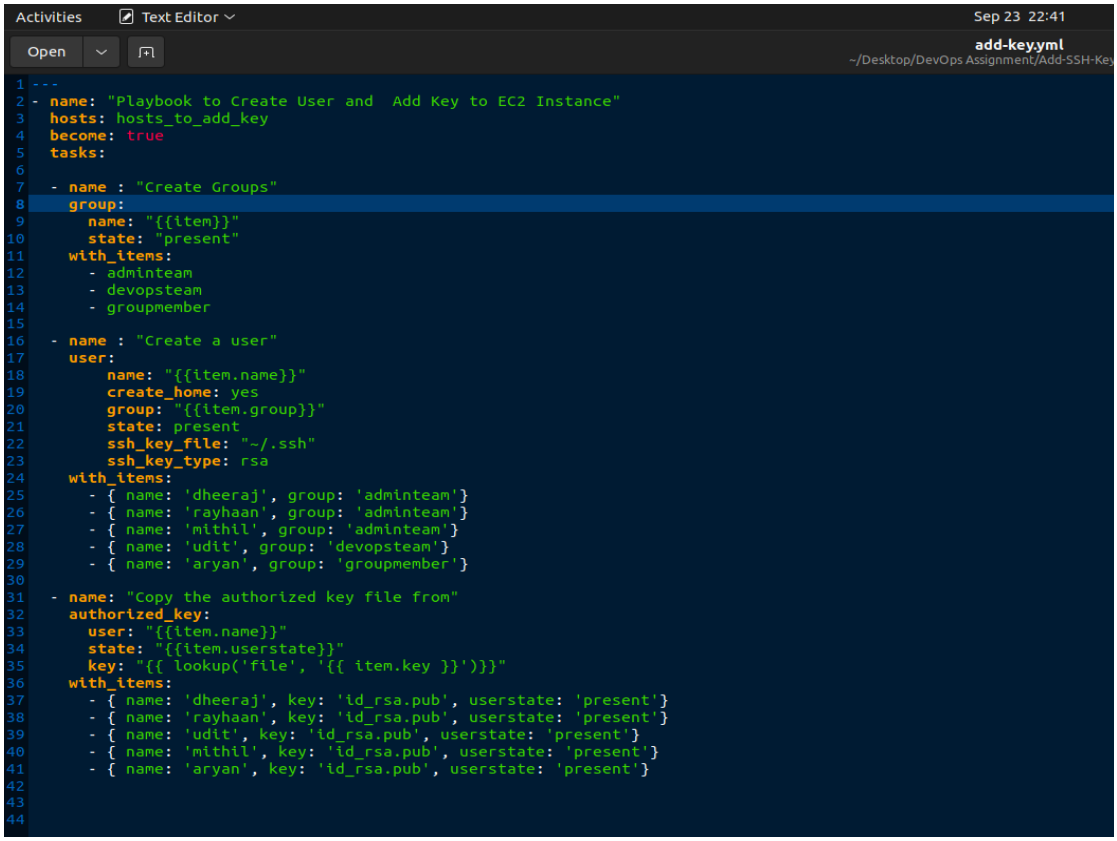
- Install Ansible into Local Machine:
  - *$ sudo apt update*
  - *$ sudo apt install software-properties-common*
  - *$ sudo add-apt-repository --yes --update ppa:ansible/ansible*
  - *$ sudo apt install ansible*
- Check Connecting to EC2 Via SSH Connection:
  - *ssh -i ~/Downloads/DevOps1.pem ubuntu@18.2X4.2X8.232*



- Create a *ansible_hosts* file and mention all IPV4 addresses of EC2 instances.

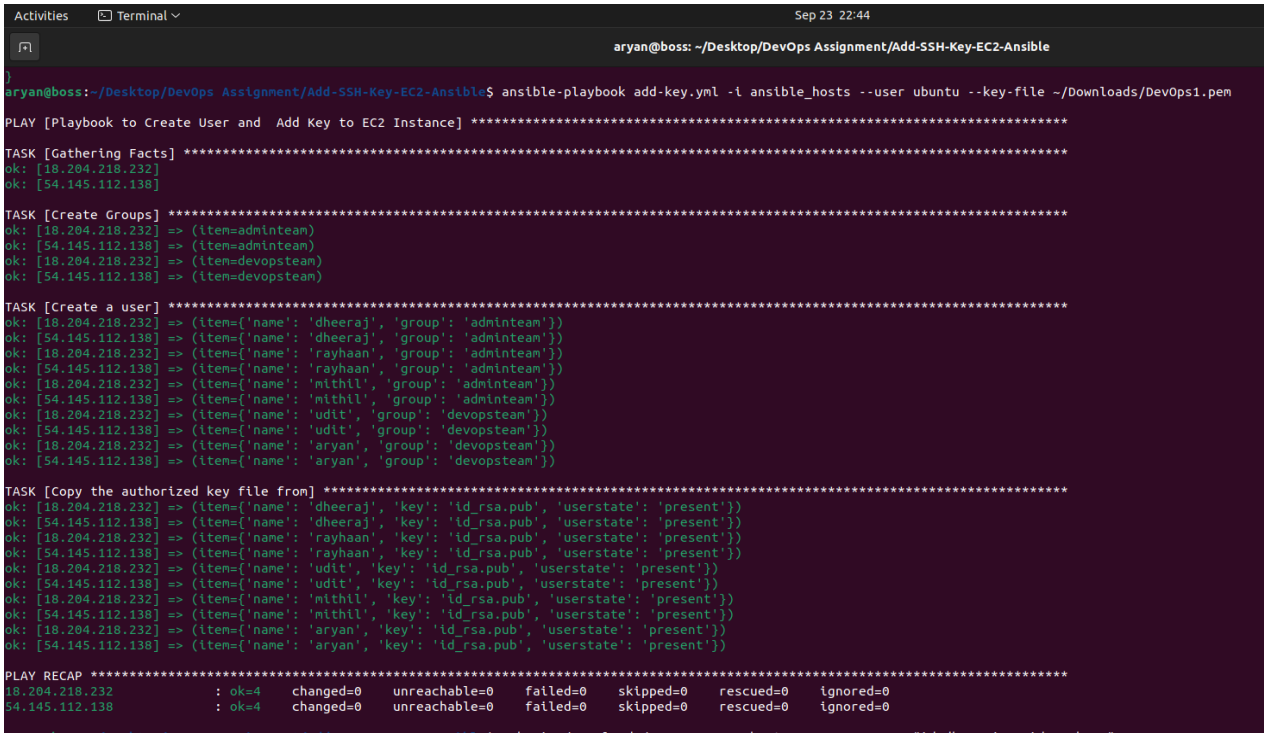


- Create playbook (YAML file) and mention all the tasks i.e, Add users to EC2 instances.

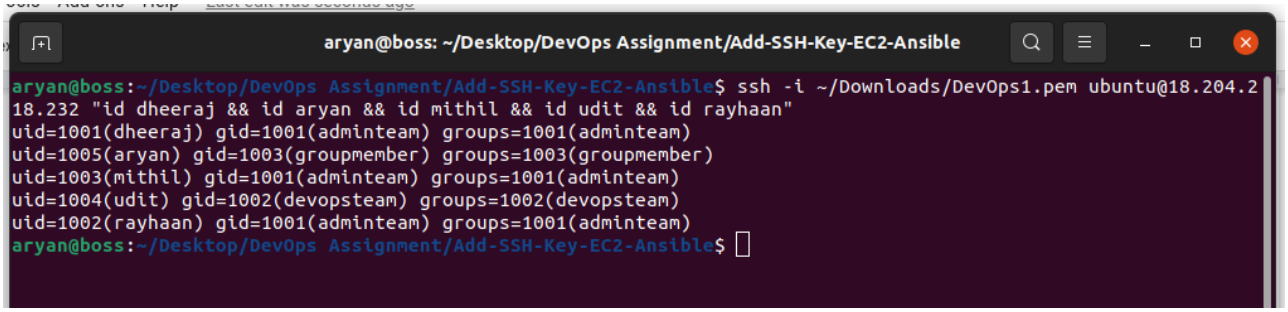


- Execute the following command line to push the playbook instructions to host machines.
    - *ansible-playbook add-key.yml -i ansible_hosts --user ubuntu --key-file ~/Downloads/DevOps1.pem*

- We trying to make 3 groups and add 5 users from different groups in every virtual machine.



- Now Execute the following command line to check the added users and their mapped groups.
    - *ssh -i ~/Downloads/DevOps1.pem ubuntu@18.2X4.2X8.232 "id dheeraj && id aryan && id mithil && id udit && id rayhaan"*



- We can see the playbook has been executed successfully and the user can log in/SSH now with his private key
- As per our configuration, five new users have been created named mithil, dheeraj, aryan, udit and rayhaan and they have been mapped to different groups as well.

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