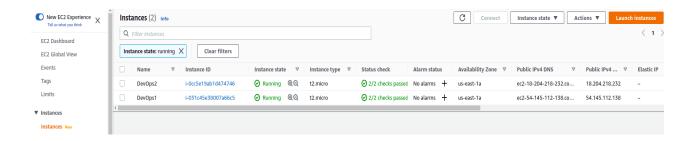
## Add users to EC2 instances with SSH Access (Ansible)

• 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.

```
Open  

in ansible_hosts

//Desktop/DevOps Assignment/Add-SSH-Key-EC2-Ansi...

[hosts_to_add_key]

3 54.145.112.138

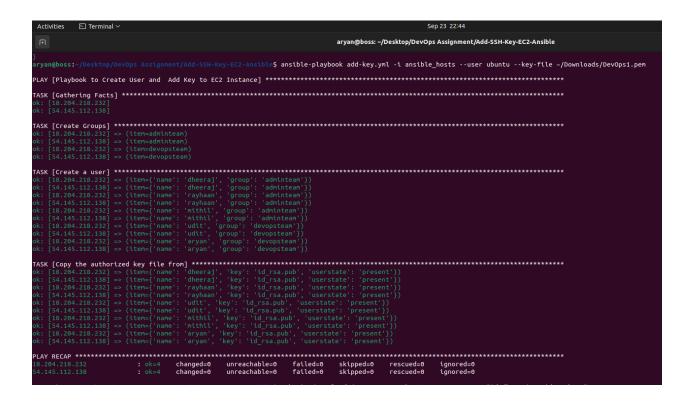
4 18.204.218.232

[hosts_to_add_key:vars]

7 ansible_ssh_common_args="-o StrictHostKeyChecking=no"
```

 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"

```
aryan@boss: ~/Desktop/DevOps Assignment/Add-SSH-Key-EC2-Ansible Q = - D S

aryan@boss: ~/Desktop/DevOps Assignment/Add-SSH-Key-EC2-Ansible$ ssh -i ~/Downloads/DevOps1.pem ubuntu@18.204.2  

18.232 "id dheeraj && id aryan && id mithil && id udit && id rayhaan"  
uid=1001(dheeraj) gid=1001(adminteam) groups=1001(adminteam)  
uid=1005(aryan) gid=1003(groupmember) groups=1003(groupmember)  
uid=1003(mithil) gid=1001(adminteam) groups=1001(adminteam)  
uid=1004(udit) gid=1002(devopsteam) groups=1002(devopsteam)  
uid=1002(rayhaan) gid=1001(adminteam) groups=1001(adminteam)  
aryan@boss: ~/Desktop/DevOps Assignment/Add-SSH-Key-EC2-Ansible$ [
```

- 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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