Student’s Name: Darshini Venkatesha Murthy Nag

SID: 016668951

Professor’s Name: Andrew Bond

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**CMPE\_272\_Homework\_1 – Ansible**

Git repo URL: <https://github.com/darshcloud/CMPE_272_HW1_Ansible.git>

Graphical user interface, text

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**Step 1:** Created 3 Ubuntu EC2 instances on AWS. Below are the details

* Name: AnsibleServer

Public IP: ec2-13-56-160-12.us-west-1.compute.amazonaws.com

* Name: WebServer-1

Public IP: ec2-54-183-189-25.us-west-1.compute.amazonaws.com

* Name: WebServer-2

Public IP: ec2-54-67-92-71.us-west-1.compute.amazonaws.com

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**Step 2:** Generated RSA key pairs for the all the three ec2 instances created and saved the private key.

Keypair created for ec2 instance named AnsibleServer

A screenshot of a computer

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Keypair created for ec2 instance named WebServer-1

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Keypair created for ec2 instance named WebServer-2

A screenshot of a computer

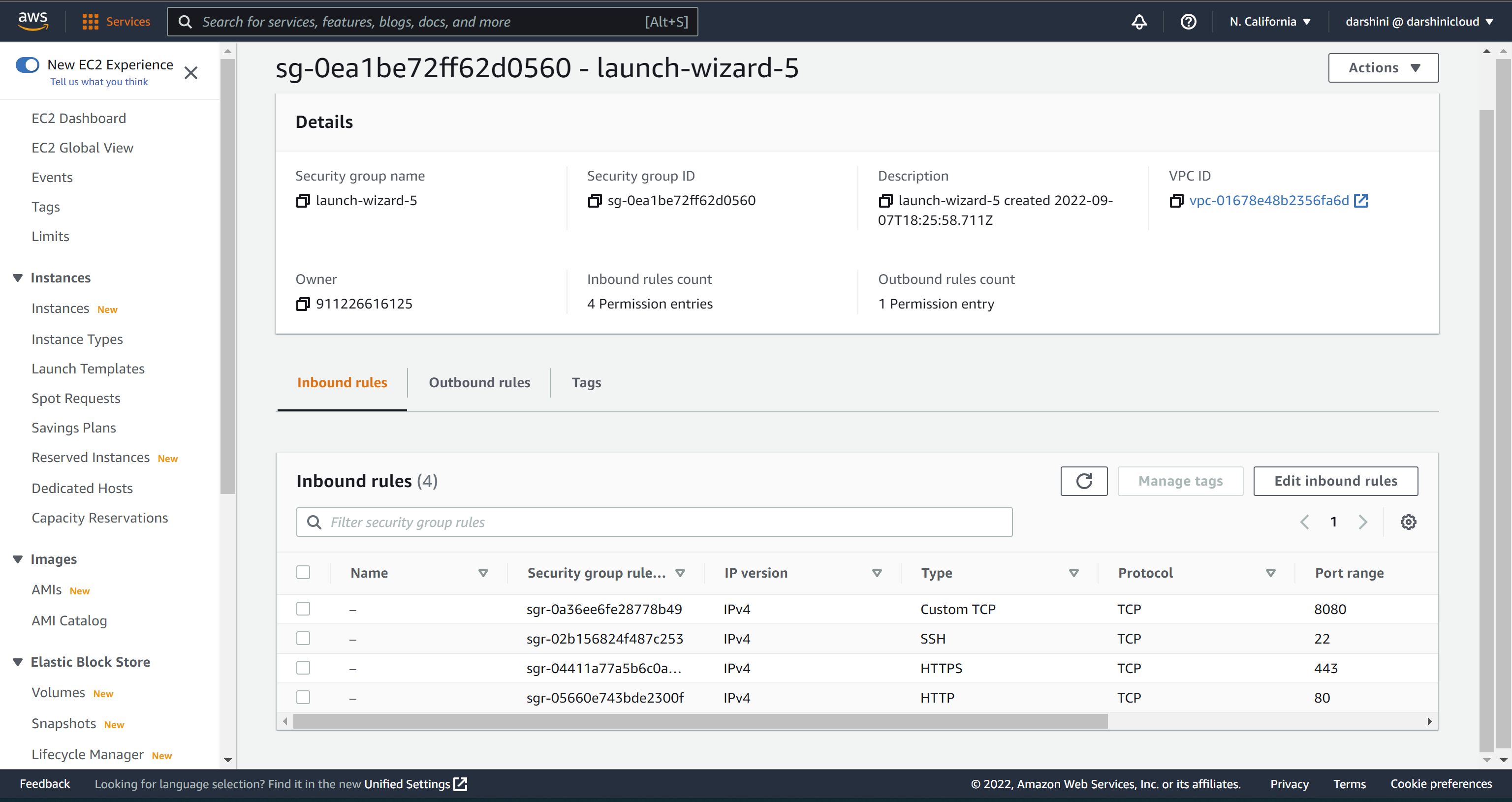
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**Step 3:** Allowed HTTP and HTTPs traffic on WebServer-1 and WebServer-2 ec2 instances during instance creation and configure security group to allow traffic on port 8080.

WebServer-1snapshot:

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WebServer-2 snapshot:

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**Step 4:** Steps followed to install Ansible on AnsibleServer EC2 instance.

1. Connected to AnsibleServer EC2 instance remotely through ssh.

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1. Using the below commands to install python and ansible on AnsibleServer ec2 instance.

sudo apt-get update

sudo -i

apt-get install python3

apt-get install ansible

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1. Ansible installed.

ansible --version

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**Step 5:** Created hosts file and added the webservers to the file.

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**Step 6:** Made the below changes to ansible.cfg file

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**Step 6:** Connectivity check done by pinging the webservers with the below command

ansible -i hosts webservers -m ping

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**Step 7:** Created Two ansible playbooks for deploying and undeploying webserver resources.

webserver\_deploy.yml

webserver\_undeploy.yml

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**Step 8:** To deploy the webserver resources used the below command

Ansible-playbook webserver\_deploy.yml

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**Step 9:** To undeploy the webserver resources used the below command

Ansible-playbook webserver\_undeploy.yml

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# References

Ansible Documentation: <https://docs.ansible.com/>