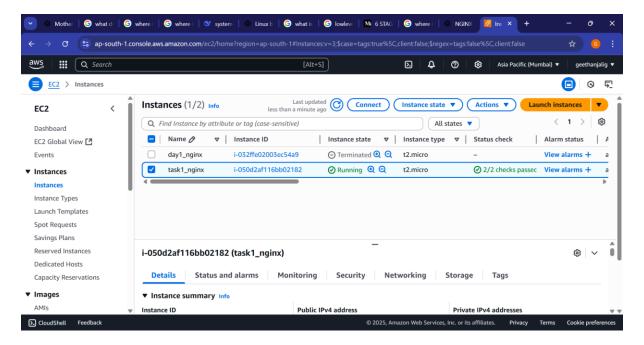
- 1.Install Nginx web server on your local machine
- 2. Host a simple website[index.html] in the default document root, by using Nginx web server.call the website using "firstnginx.test"3.study in deep about nginx service, hosting types and default configurations in Nginx web server

ANSWER:

• Instance creation:



• Installing, starting and enabling the nginx service:

Installing, starting and enabling firewalld service

```
C X

(TootSip-17-2-13-49-3) 2 systemct) status firewalld Unit firewalld Service could not be found, (TootSip-12-2-13-49-3) 2 system status firewalld Units firewalld Subscription Management repositories. Unable to read consumer identity

This system is not registered with an entitlement server. You can use "rhc" or " subscription-manager" to registered with an entitlement server. You can use "rhc" or " subscription-manager" to registered with an entitlement server. You can use "rhc" or " subscription-manager" to registered with an entitlement server. You can use "rhc" or " subscription-manager" to registered with an entitlement server. You can use "rhc" or " subscription-manager" to registered with an entitlement server. You can use "rhc" or " subscription-manager" to registered with a management repository.

East manager to registered with an entitlement server. You can use "rhc" or " subscription-manager" to registered with a management repository.

Package Arch Version Repository Size

First ling dependencies:

Installing dependencies:

Installing:

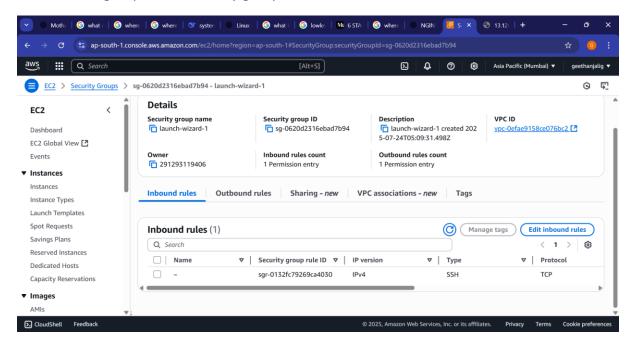
No. 46 7.11-11.19.5 rhel-9-baseos-rhui-rpmm 11 k to the package of the package
```

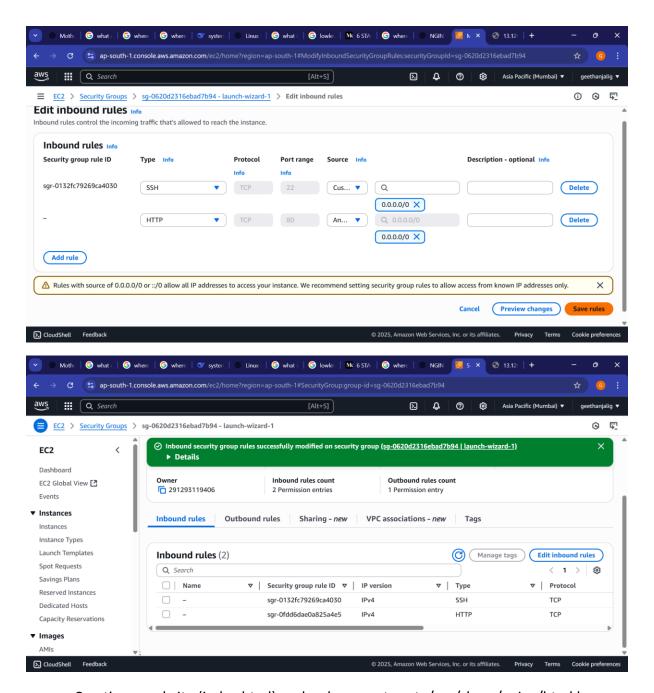
```
[root@ip-172-31-34-93 ~]# systemctl start firewalld
[root@ip-172-31-34-93 ~]# systemctl enable firewalld
[root@ip-172-31-34-93 ~]# firewall-cmd --list-hosts
usage: 'firewall-cmd --help' for usage information or see firewall-cmd(1) man page
firewall-cmd: error: unrecognized arguments: --list-hosts
[root@ip-172-31-34-93 ~]# firewall-cmd --list-all
public (active)
    target: default
    icmp-block-inversion: no
    interfaces: eth0
    sources:
    services: cockpit dhcpv6-client ssh
    ports:
    protocols:
    forward: yes
    masquerade: no
    forward-ports:
    source-ports:
    icmp-blocks:
    rich rules:
```

• Allow http traffic through firewall

```
[root@ip-172-31-34-93 ~]# firewall-cmd --add-service=http --permanent
success
[root@ip-172-31-34-93 ~]# firewall-cmd --reload
success
```

Adding http to the security group





 Creating a website (index.html) under document root, /usr/share/nginx/html by using nginx web server



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- Procedures to call the website using "firstnginx.test" are as follows:
 - 1. Edit config file /etc/nginx/nginx.conf and restart nginx. We specify the name,

After:

Modify /etc/hosts using vim. #vim /etc/hosts

```
orot@ip-172-31-34-93:~

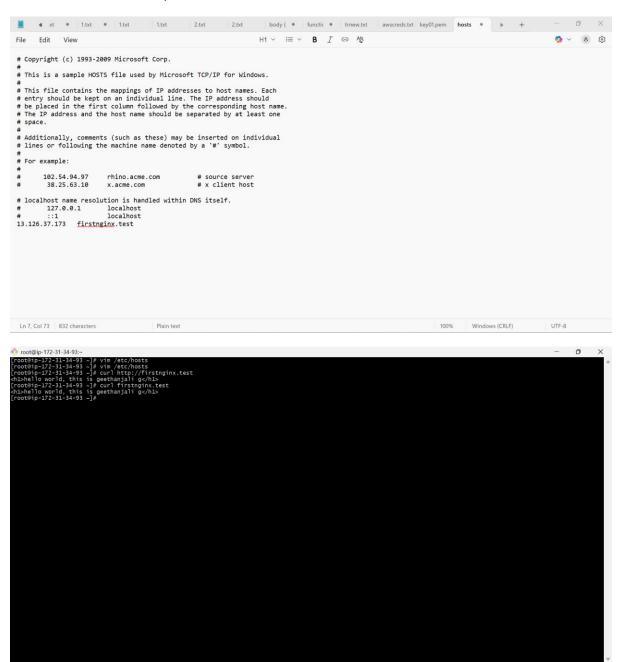
127.0.0.1 localhost localhost.localdomain localhost4 localdomain4

11 localhost localhost localdomain localhost6 localdomain6

13.126.37.173 firstnginx.test
```

On your local computer do the following,
 Click Start → Search "Notepad" → Right-click → Run as Administrator.

File \rightarrow Open. Navigate to this path: C:\Windows\System32\drivers\etc. Select "All Files (.)" from the file type dropdown to see the hosts file. Under the hosts file,





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