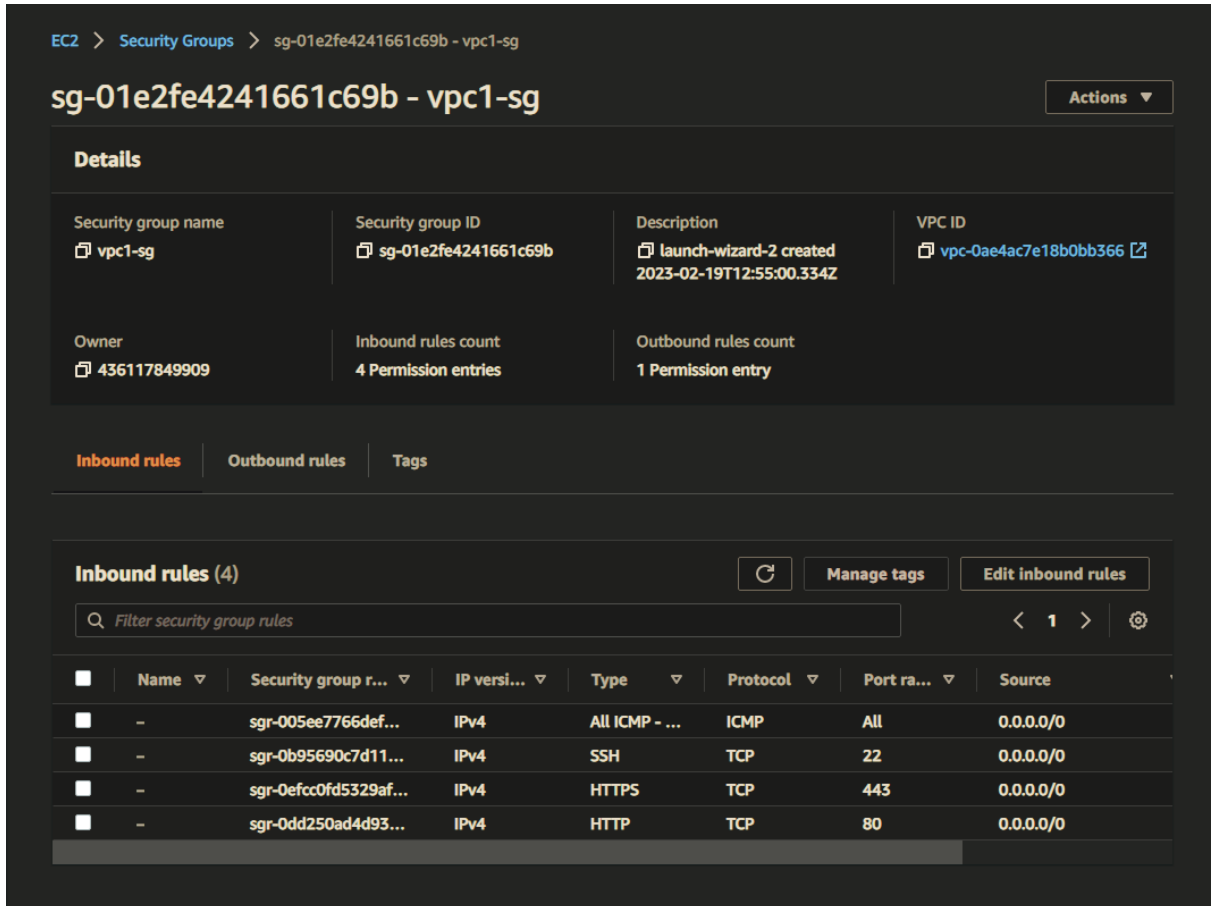


# HOST A WEBSITE USING APACHE

- Create a Linux instance with public IP enabled
- Change the Security group inbound rules as shown in below image.



- Now open the instance using putty.
- Use command “sudo su -” to switch to root user.

```
login as: ec2-user
Authenticating with public key "imported-openssh-key"

  _ | _ | _ )
  _ | ( _ - /   Amazon Linux 2 AMI
  _ | \ _ | _ |

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-10-0-0-31 ~]$ sudo su -
\[root@ip-10-0-0-31 ~]#
```

- Now use command “yum install httpd -y” to download the Apache software.
- After that do “sudo systemctl start httpd” to start the apache.  
“sudo systemctl enable httpd” to enable apache software.  
“sudo systemctl is-enabled httpd” to check the status of the apache whether it is enabled.

```
[root@ip-10-0-0-31 ~]# sudo systemctl start httpd
[root@ip-10-0-0-31 ~]# sudo systemctl enable httpd
[root@ip-10-0-0-31 ~]# sudo systemctl is-enabled httpd
enabled
[root@ip-10-0-0-31 ~]#
```

- After enabling check whether the test page of the apache server arrives by putting the public IP in the browser.

**Test Page**

This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at this site is working properly.

**If you are a member of the general public:**

The fact that you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing routine maintenance.

If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.

For example, if you experienced problems while visiting `www.example.com`, you should send e-mail to `"webmaster@example.com"`.

**If you are the website administrator:**

You may now add content to the directory `/var/www/html/`. Note that until you do so, people visiting your website will see this page, and not your content. To prevent this page from ever being used, follow the instructions in the file `/etc/httpd/conf.d/welcome.conf`.

You are free to use the image below on web sites powered by the Apache HTTP Server:



- Use command and go to html repository "cd /var/www/html"

```
[root@ip-10-0-0-31 ~]# cd /var/www/html
[root@ip-10-0-0-31 html]#
```

- Now use command "vi index.html" for making index.html file.

```
[root@ip-10-0-0-31 html]# vi index.html
```

- Edit the file as shown in below Image below.

```
<p>Welcome to the website <p>  
This is Your website hosted in the Apache web server  
~  
~  
~  
~  
~  
-- INSERT -- 2,54 All
```

- After saving the file now put the public IP of the instance in the browser now you will see the index.html page you have created.

