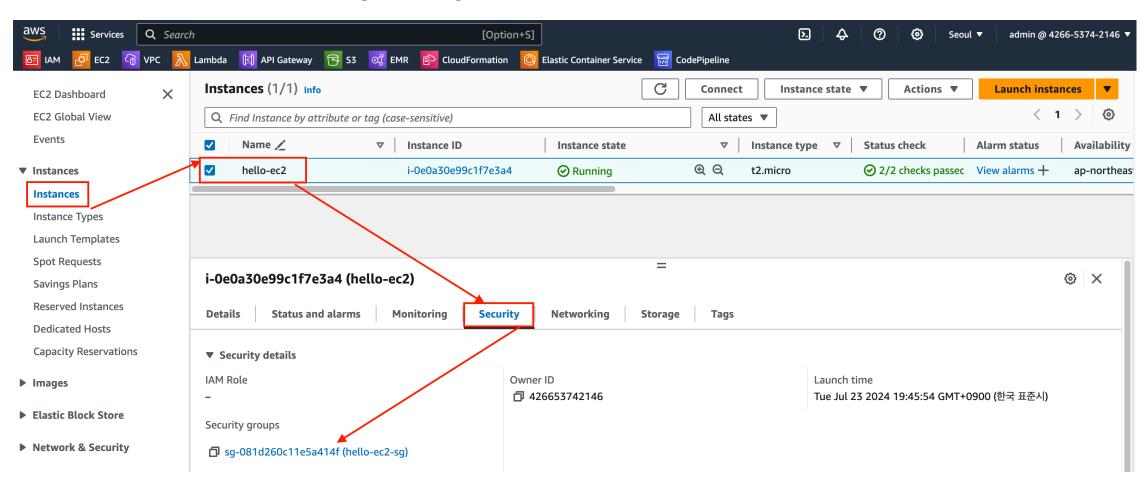
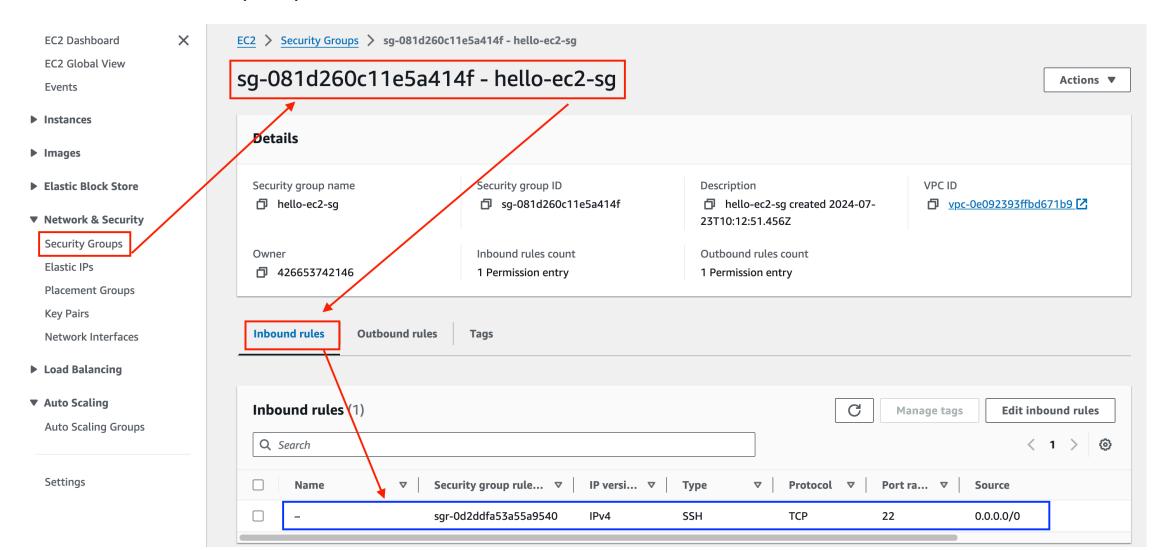
Security Group 확인

단계1: Instance의 Security Group 확인



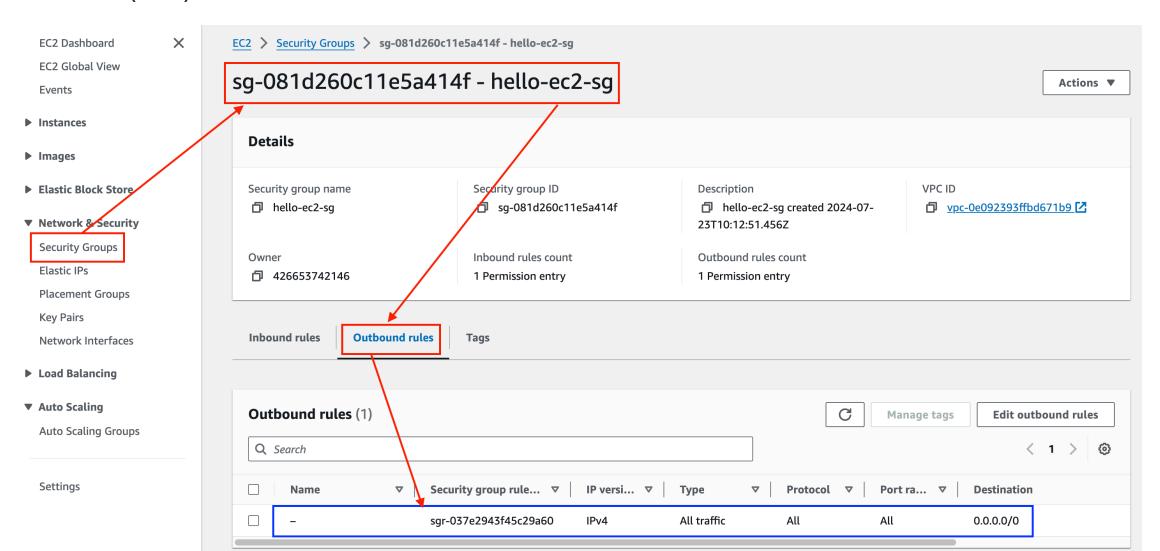
단계2: Inbound rules 확인

• 외부에서 내부(ec2)에 접속할 수 있는 Rule 정의



단계3: Outbound rules 확인

• 내부(ec2)에서 외부로 접속할 수 있는 Rule 정의



Nginx 접속 테스트

단계1: ec2 접속

ssh hello-ec2

```
\%1
                                                                        ubuntu@ip-172-31-
13%
                                                                                   Ⅲ 8
 good593 K ~
 ssh hello-ec2
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1009-aws x86_64)
 * Documentation: https://help.ubuntu.com
                  https://landscape.canonical.com
 * Management:
                  https://ubuntu.com/pro
 * Support:
 System information as of Wed Jul 24 04:41:15 UTC 2024
  System load: 0.0
                                 Processes:
                                                        115
  Usage of /: 29.7% of 6.71GB Users logged in:
                                                        0
```

단계2: update

sudo apt-get update

```
■ ● ● ▼#1

ubuntu@ip-172-31-14-95:~

ubuntu@ip-172-31-14-95:~$ sudo apt-get update

Hit:1 http://ap-northeast-2.ec2.archive.ubuntu.com/ubuntu noble InRelease

Get:2 http://ap-northeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease

[126 kB]

Hit:3 http://ap-northeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease

Get:4 http://ap-northeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd

64 Packages [280 kB]
```

단계3: install nginx

sudo apt-get install nginx -y

```
ubuntu@ip-172-31-14-95: ~
                                          Ⅲ 7.8 GB
ubuntu@ip-172-31-14-95:~$ sudo apt-get install nginx -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  nginx-common
Suggested packages:
  fcgiwrap nginx-doc ssl-cert
The following NEW packages will be installed:
  nginx nginx-common
```

단계4: nginx server 실행 확인

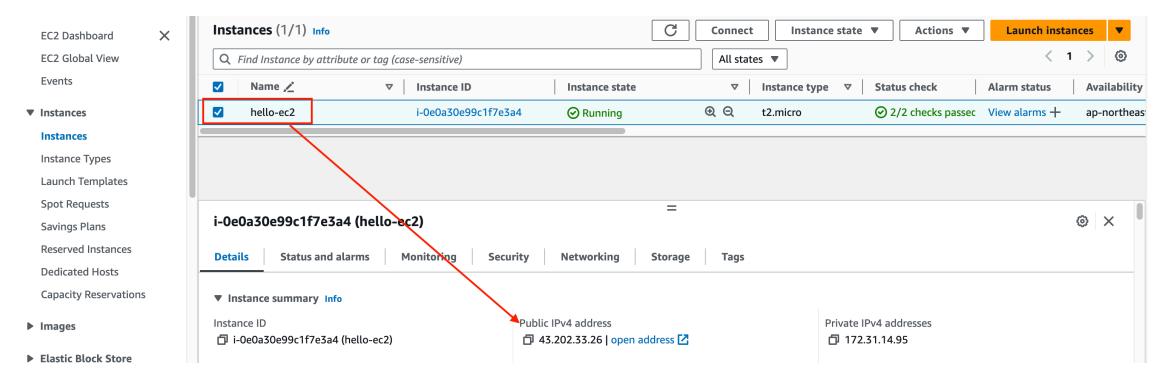
systemctl status nginx

```
1第7 🔵 🔵
                                                                          ubuntu@ip-172-31-14-95: ~
                                                                                     Ⅲ 8.1 GB -
ubuntu@ip-172-31-14-95:~$ systemctl status nginx

    nginx.service - A high performance web server and a reverse proxy server

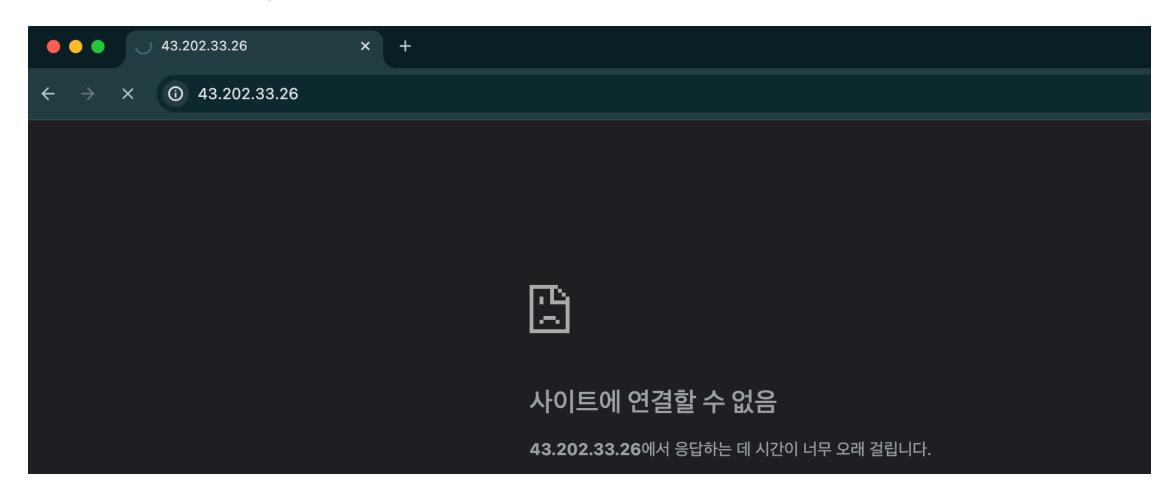
     Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
     Active: active (running) since Wed 2024-07-24 03:49:11 UTC; 3min 15s ago
       Docs: man:nginx(8)
    Process: 4436 ExecStartPre=/usr/sbin/nginx -t -g -g daemon on; master process on; (code=exited, status=0/SUCCESS)
    Process: 4437 ExecStart=/usr/sbin/nginx -g daemon on; master process on; (code=exited, status=0/SUCCESS)
   Main PID: 4439 (nginx)
      Tasks: 2 (limit: 1130)
     Memory: 2.1M (peak: 2.3M)
        CPU: 16ms
     CGroup: /system.slice/nginx.service
              —4439 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
             4440 "nginx: worker process"
Jul 24 03:49:11 ip-172-31-14-95 systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
Jul 24 03:49:11 ip-172-31-14-95 systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.
ubuntu@ip-172-31-14-95:~$
```

단계5: Public IP 확인

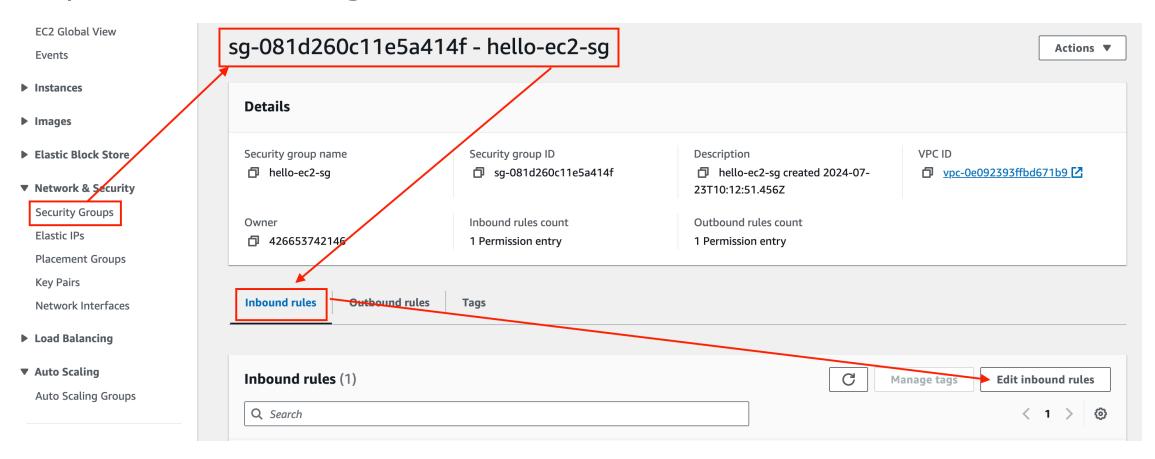


단계6: nginx 접속 실패

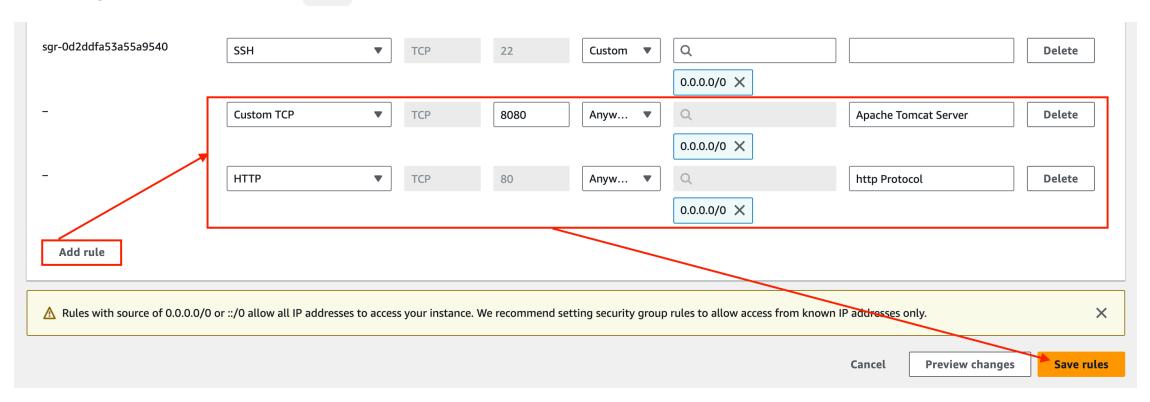
• Public IP로 접속 시도



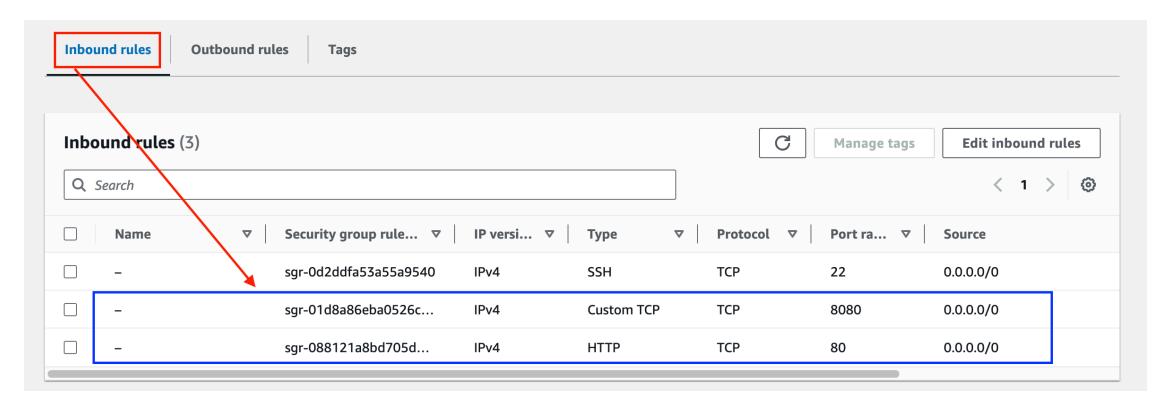
단계7: Inbound rules 변경



- 예제: http 프로토콜 & Apache Tomcat Server 추가
- Nginx Server Port: 80



• 변경 내용 확인



단계8: nginx 접속 성공

• Public IP로 접속 시도

