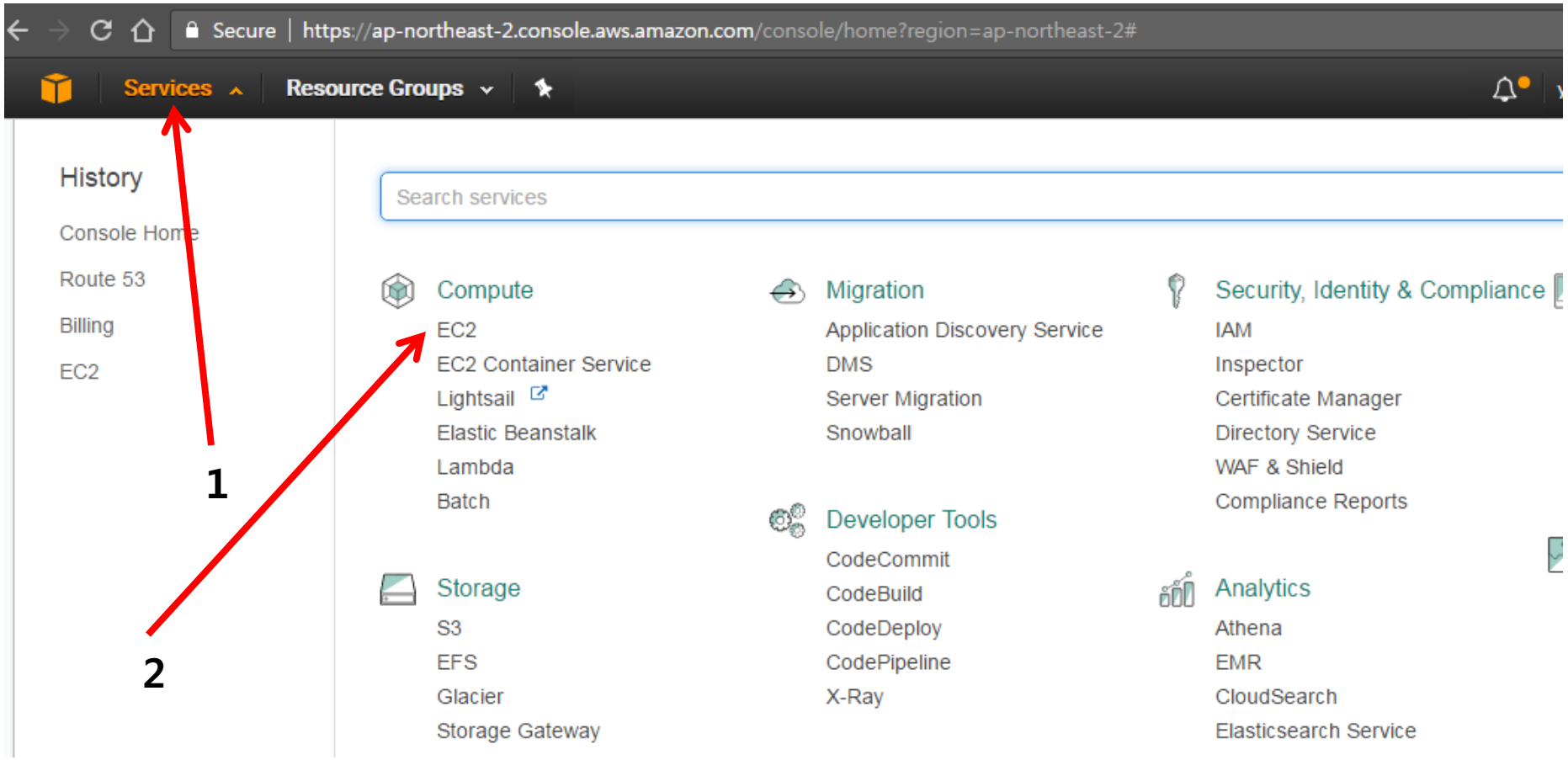
Amazon Aws Service

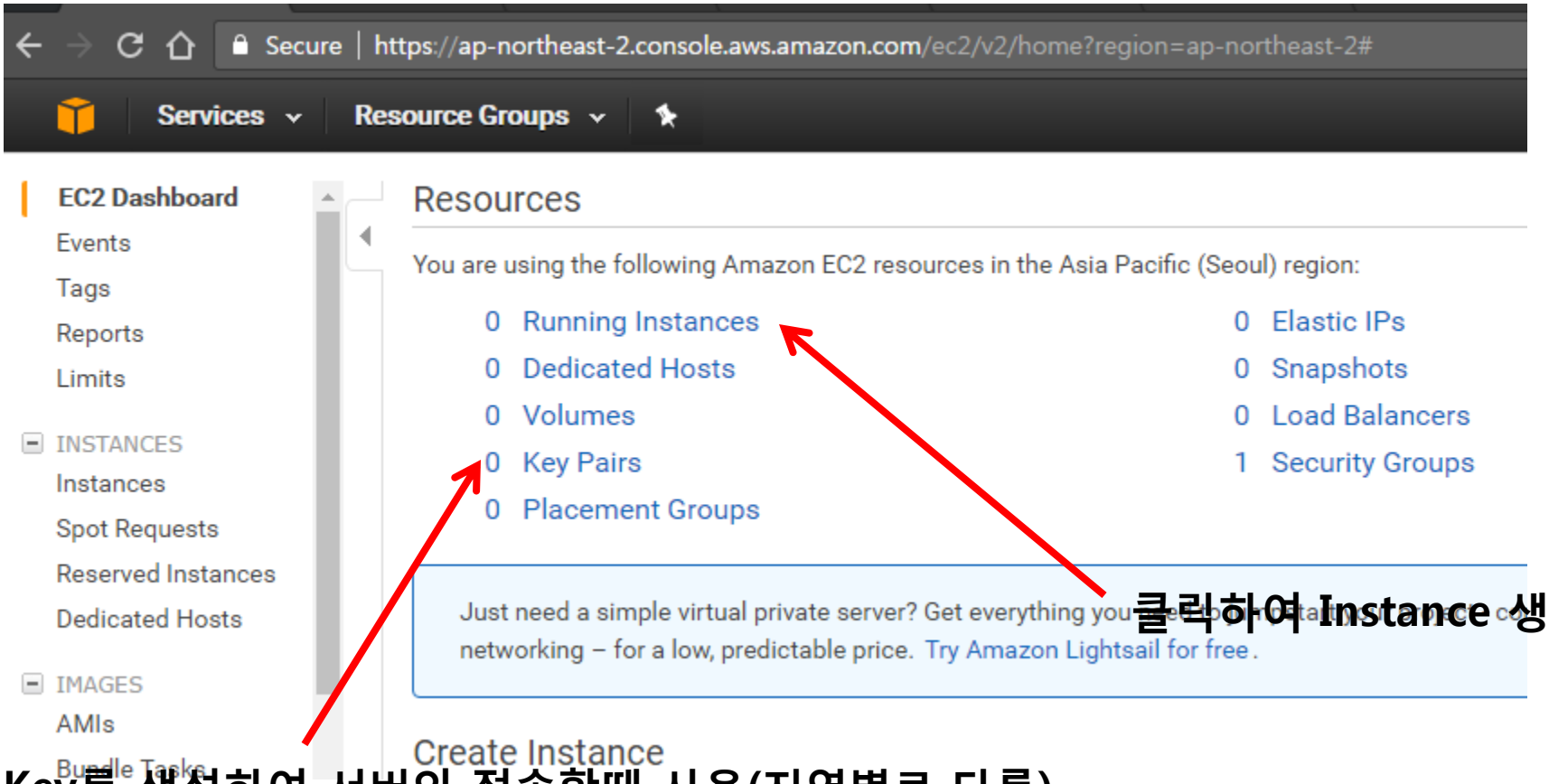
- Instance 생성
- Aws 접속(git bash)
- Nginx 설치
- JDK 설치
- Tomcat 설치
- Tomcat + Nginx
- Elastic IP 및 도메인 설정
- HTTPS(SSL)

1. Instance 생성

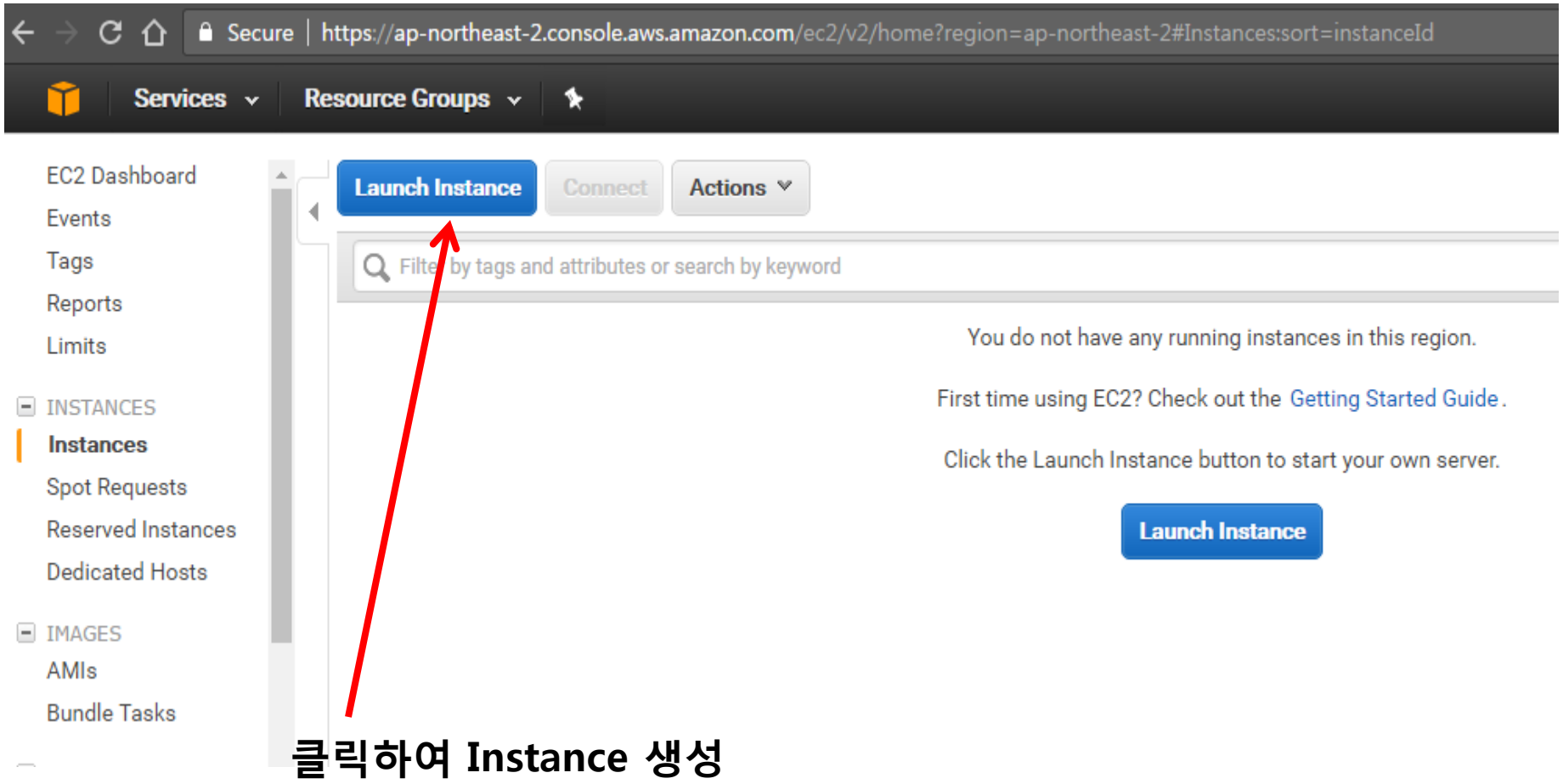


아마존 계정생성 후 로그인 한 후

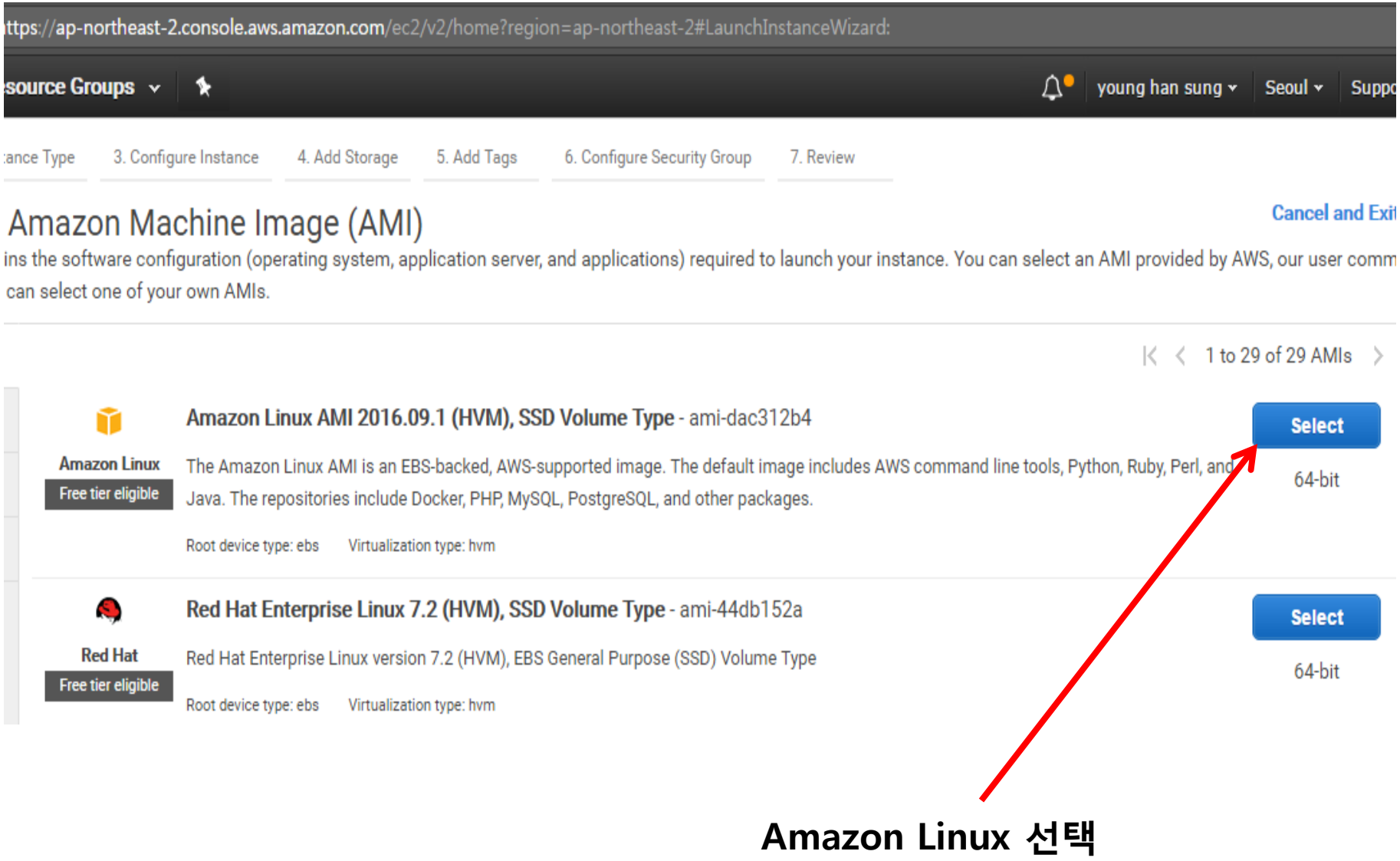
1. Instance 생성



1. Instance 생성



1. Aws 접속 및 Instance 생성



Amazon Linux 선택

1. Instance 생성

Filter by: All instance types | Current generation | Show/Hide Columns

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network P
☐	General purpose	t2.nano	1	0.5	EBS only	-	Low t
☑	General purpose	t2.micro Free tier eligible	1	1	EBS only	-	Low t
☐	General purpose	t2.small	1	2	EBS only	-	Low t
☐	General purpose	t2.medium	2	4	EBS only	-	Low t
☐	General purpose	t2.large	2	8	EBS only	-	Low t

Monthly 5-6천원 정도

Cancel | Previous | Review and Launch

클릭

1. Instance 생성

Free tier eligible

The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.

Root Device Type: ebs Virtualization type: hvm

▼ Instance Type — Edit instance type

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

▶ Security Groups — Edit security groups

▶ Instance Details — Edit instance details

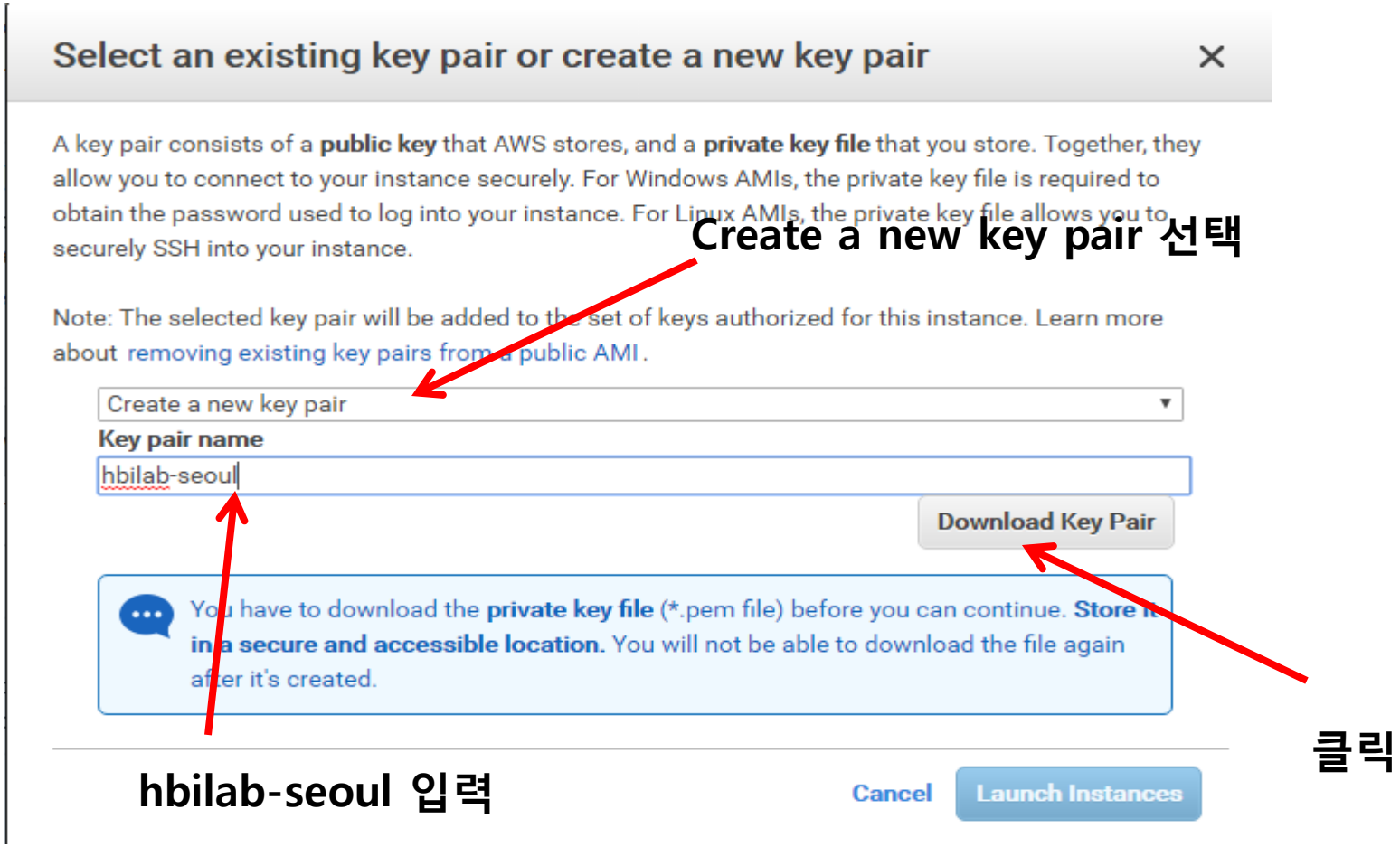
▶ Storage — Edit storage

▶ Tags — Edit tags

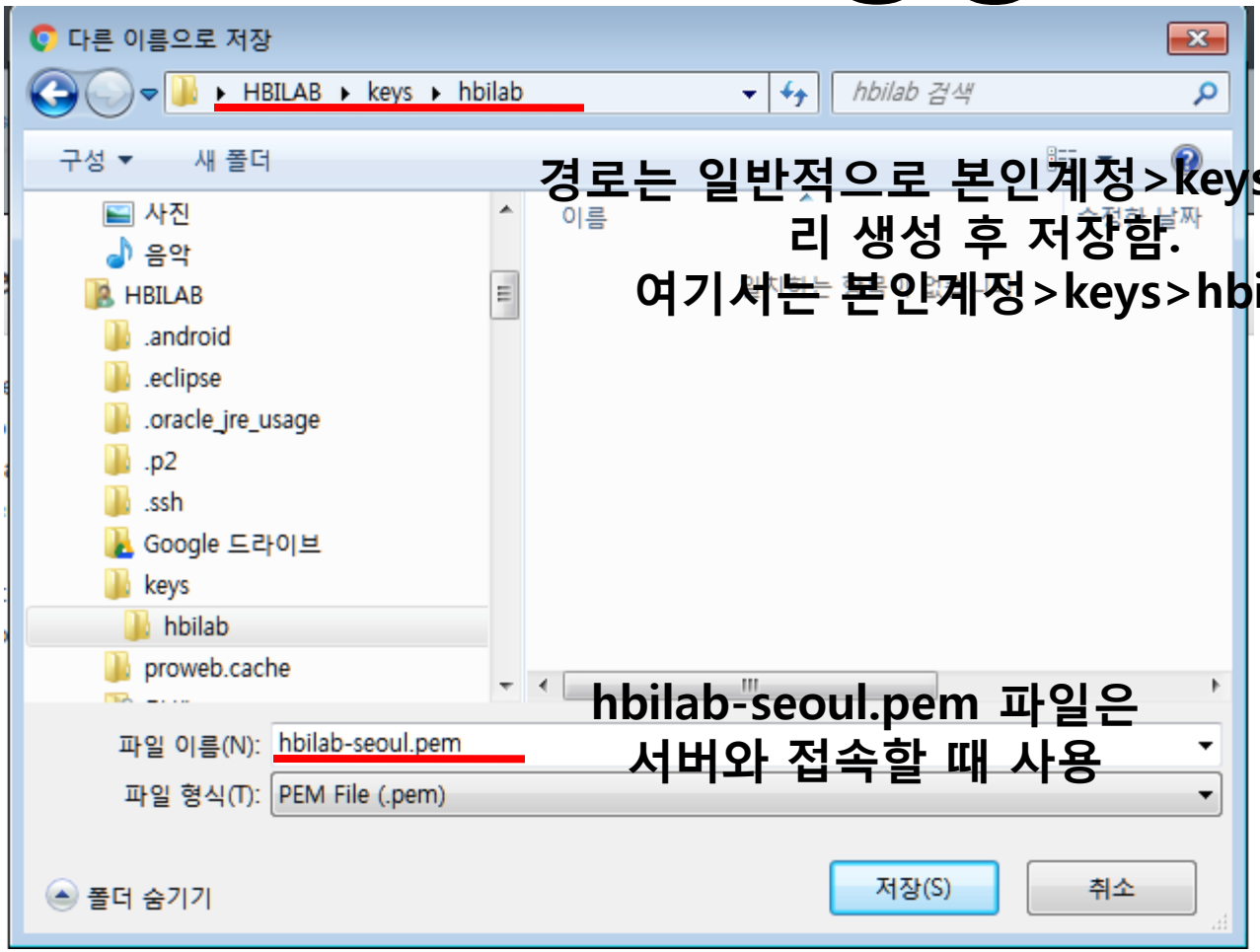
Cancel Previous Launch

클릭

1. Instance 생성



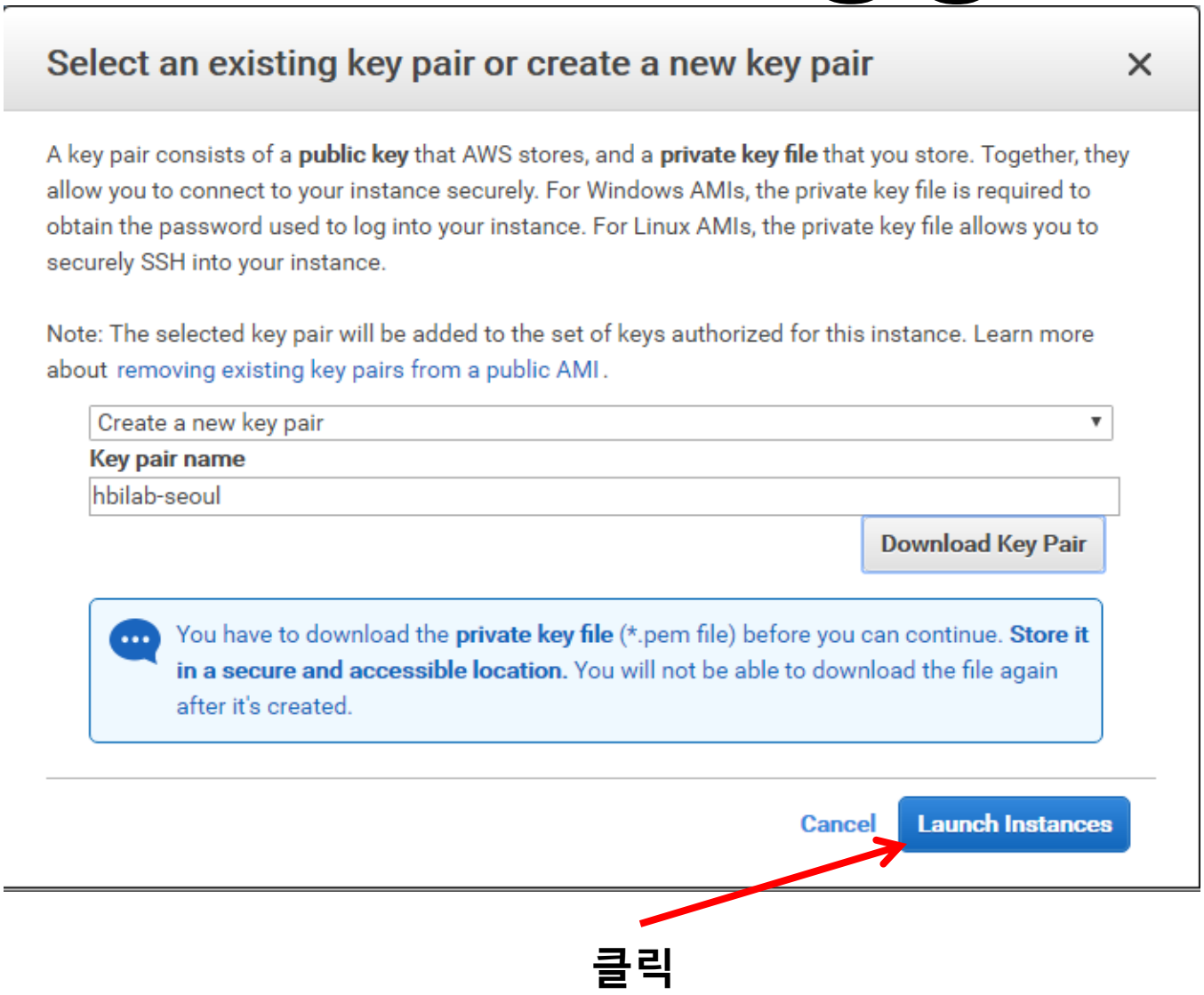
1. Instance 생성



경로는 일반적으로 본인계정>keys 디렉토리 생성 후 저장함.
여기서는 본인계정>keys>hbilab

hbilab-seoul.pem 파일은 서버와 접속할 때 사용

1. Instance 생성



클릭

1. Instance 생성

Launch Status

Your instances are now launching

The following instance launches have been initiated: i-0534ddeb00c65313d View launch log

Get notified of estimated charges

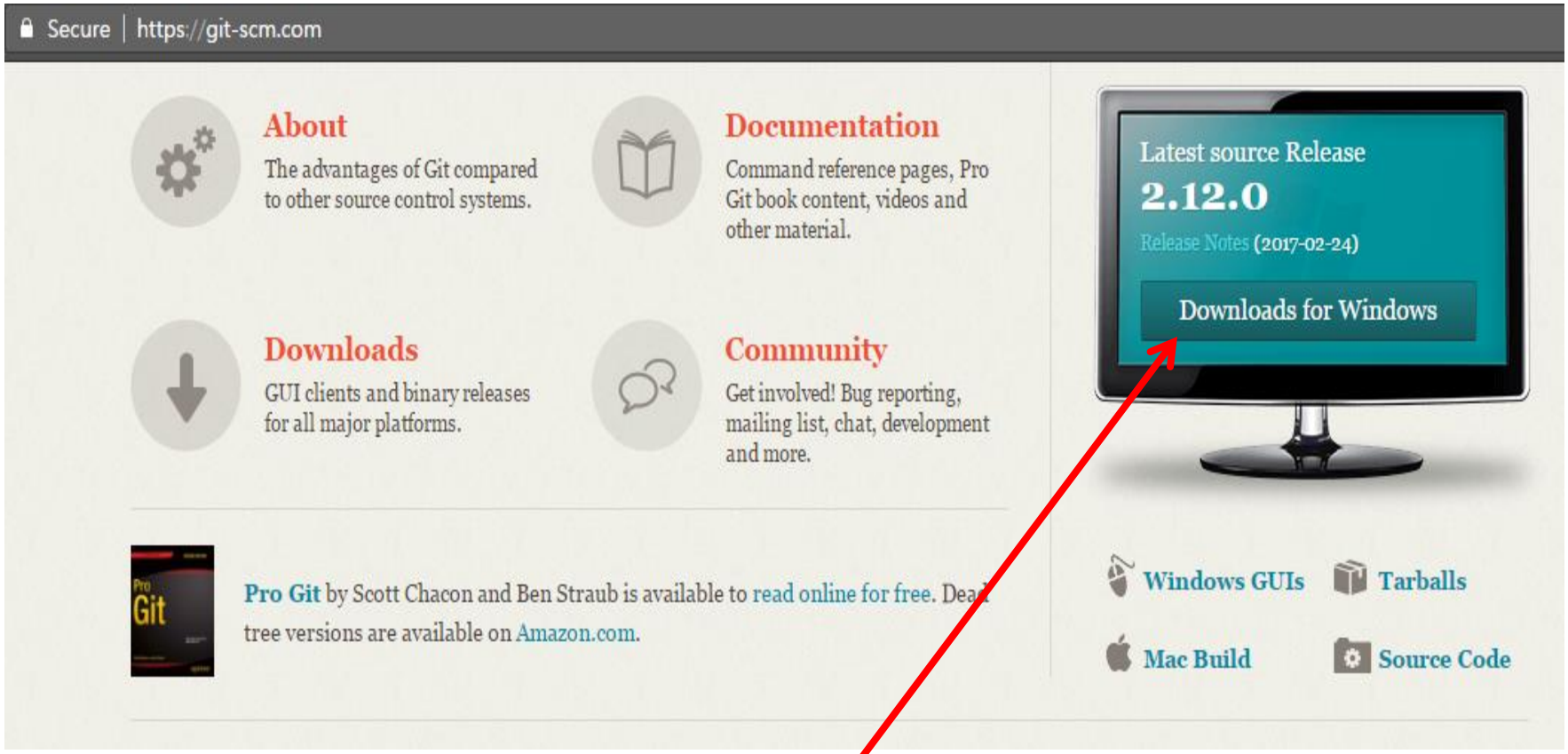
Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (

How to connect to your instances

Your instances are launching, and it may take a few minutes until they are in the **running** state, when they will be ready for you to use. accrue until you stop or terminate your instances.

Click **View Instances** to monitor your instances' status. Once your instances are in the **running** state, you can **connect** to them from

2. Aws 접속(git bash)



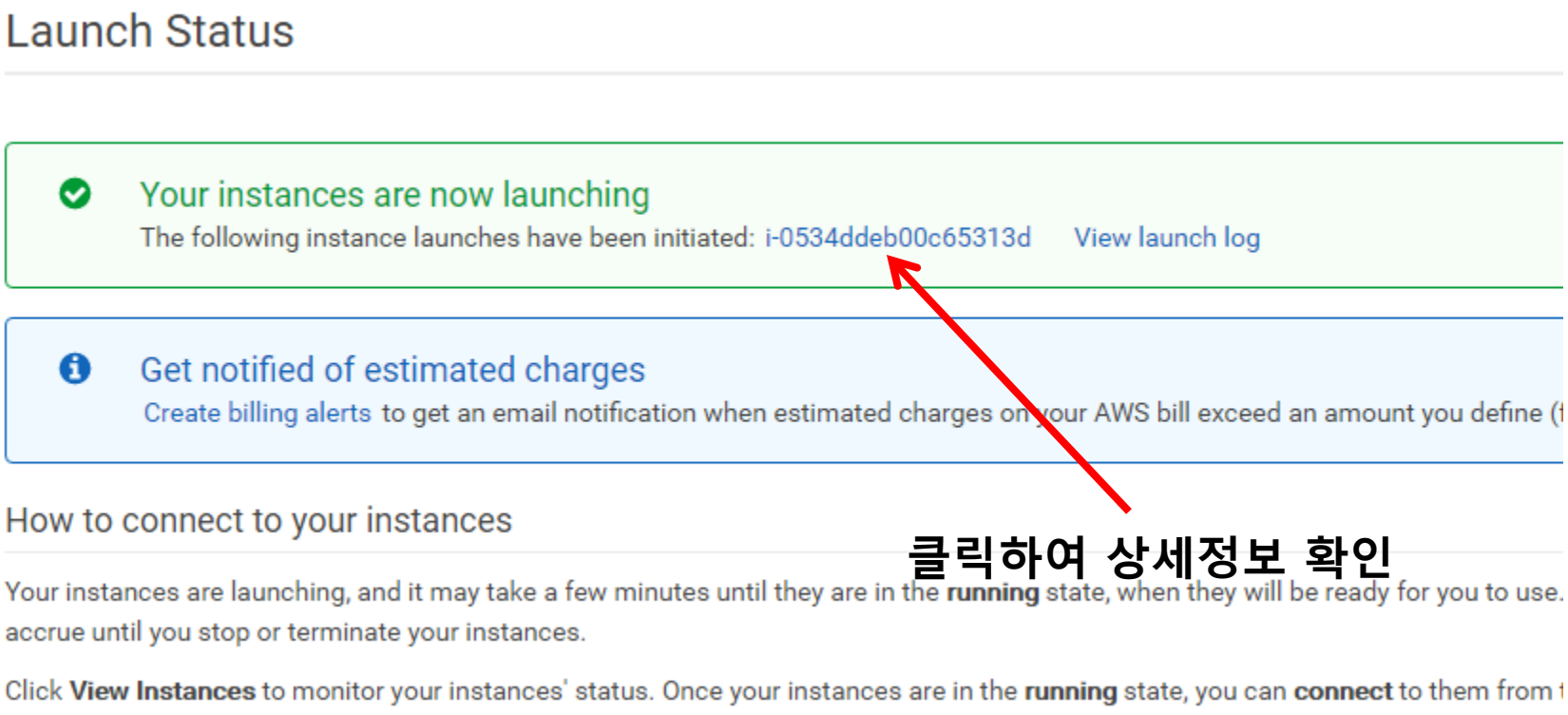
git-scm.com은 아마존 서버 접속이 용이한 툴 git bash 제공

클릭

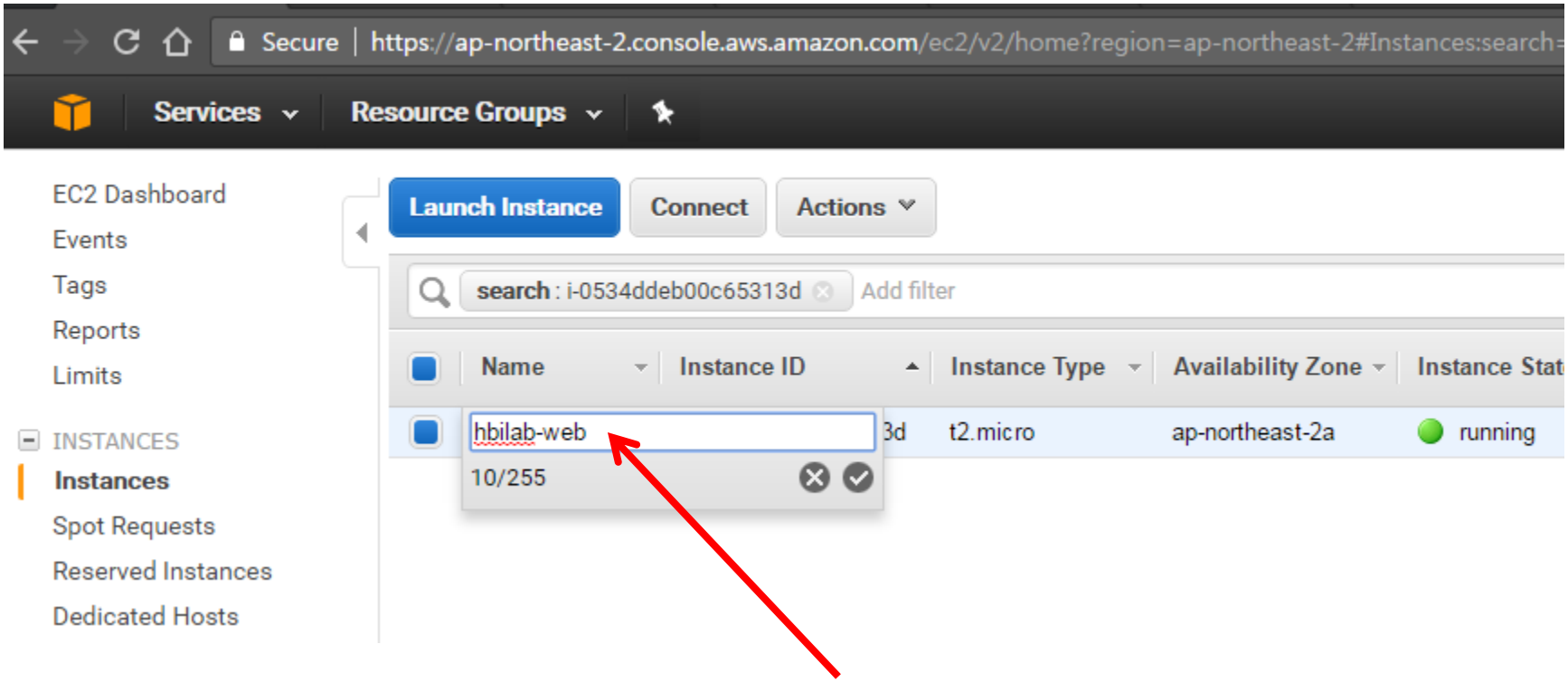
2. Aws 접속(git bash)

클릭하여 다운받은 후 디폴트로 설치

2. Aws 접속(git bash)

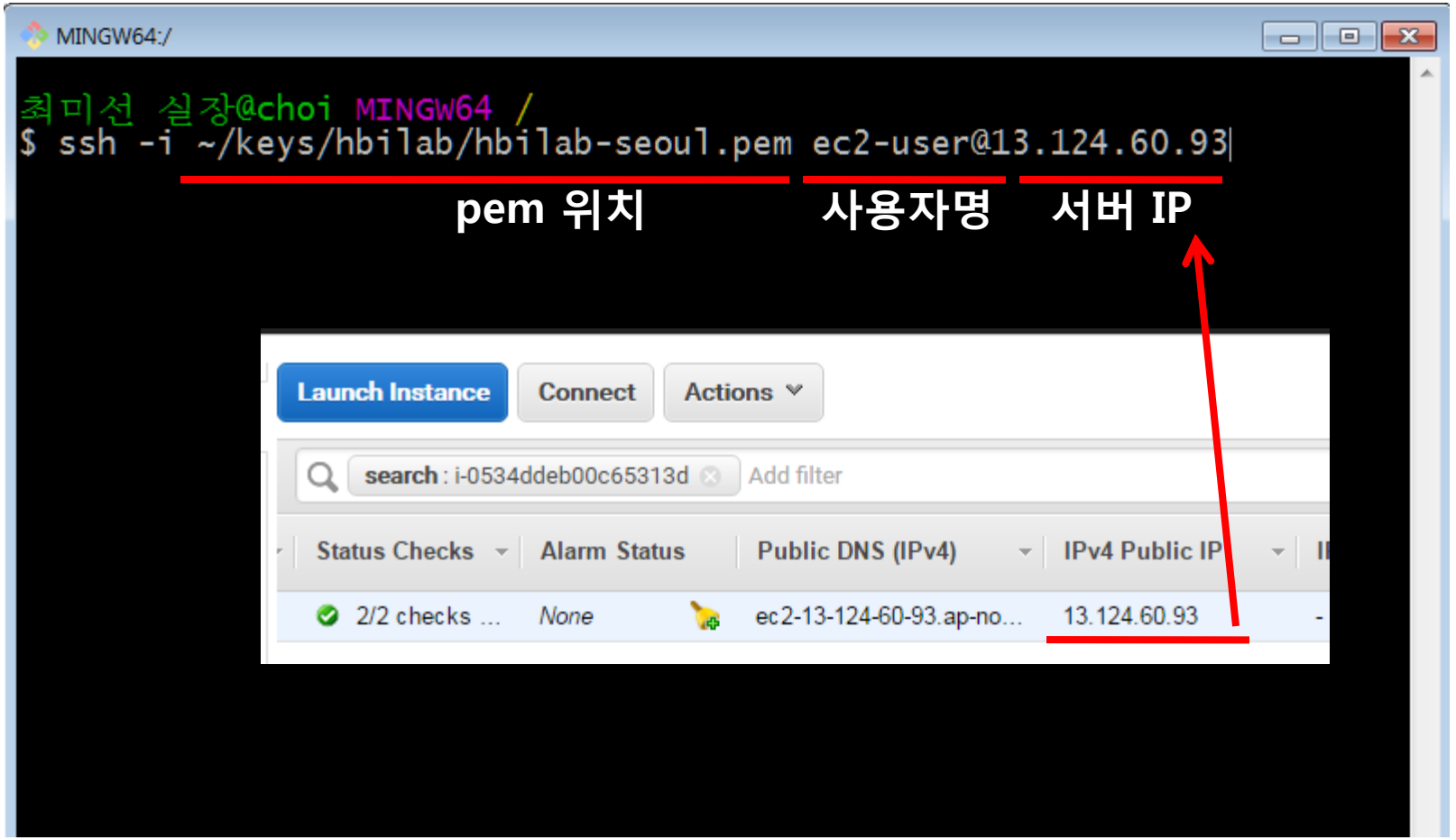


2. Aws 접속(git bash)



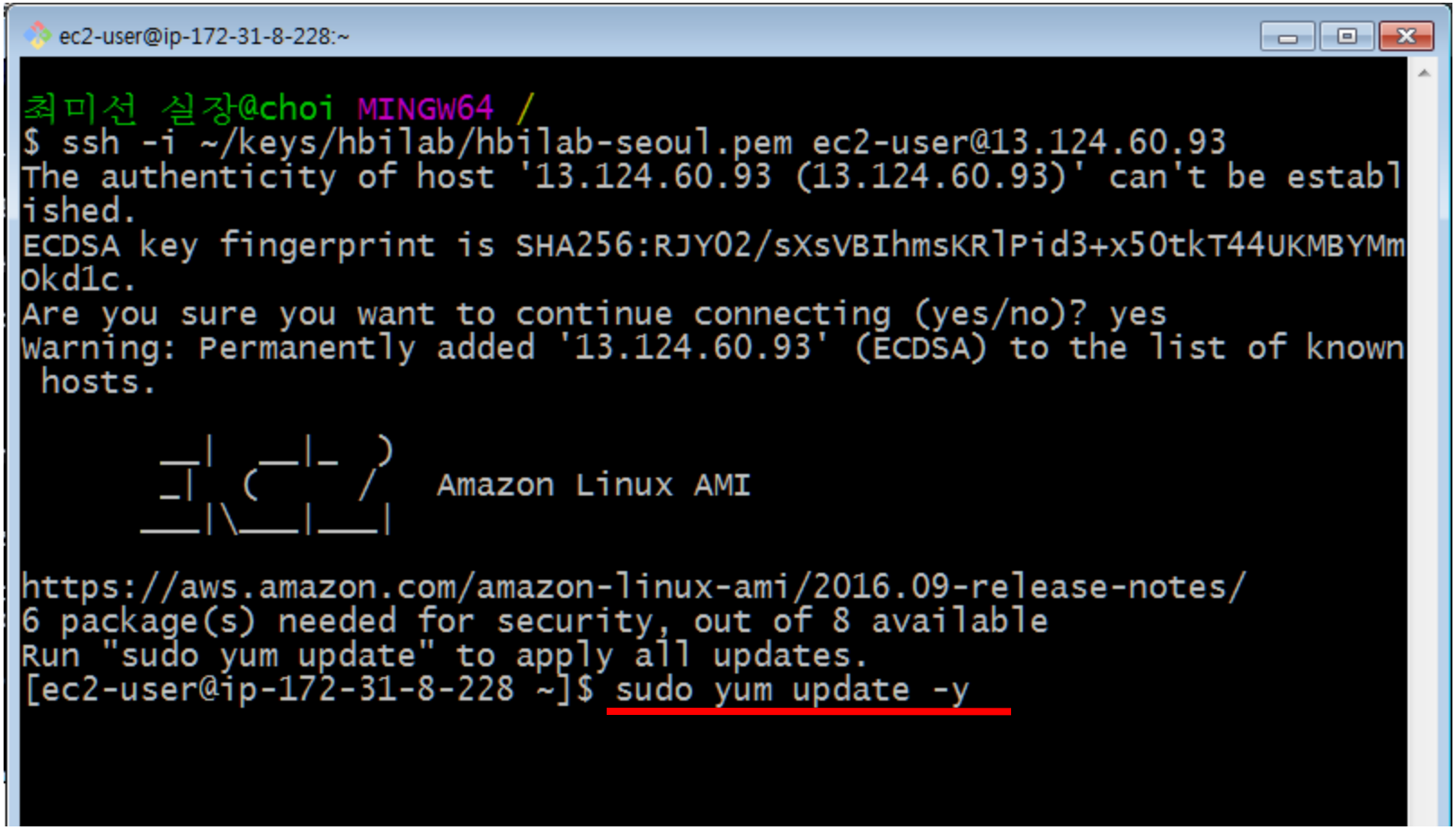
Hbilab-web으로 Name정보 변경

2. Aws 접속(git bash)



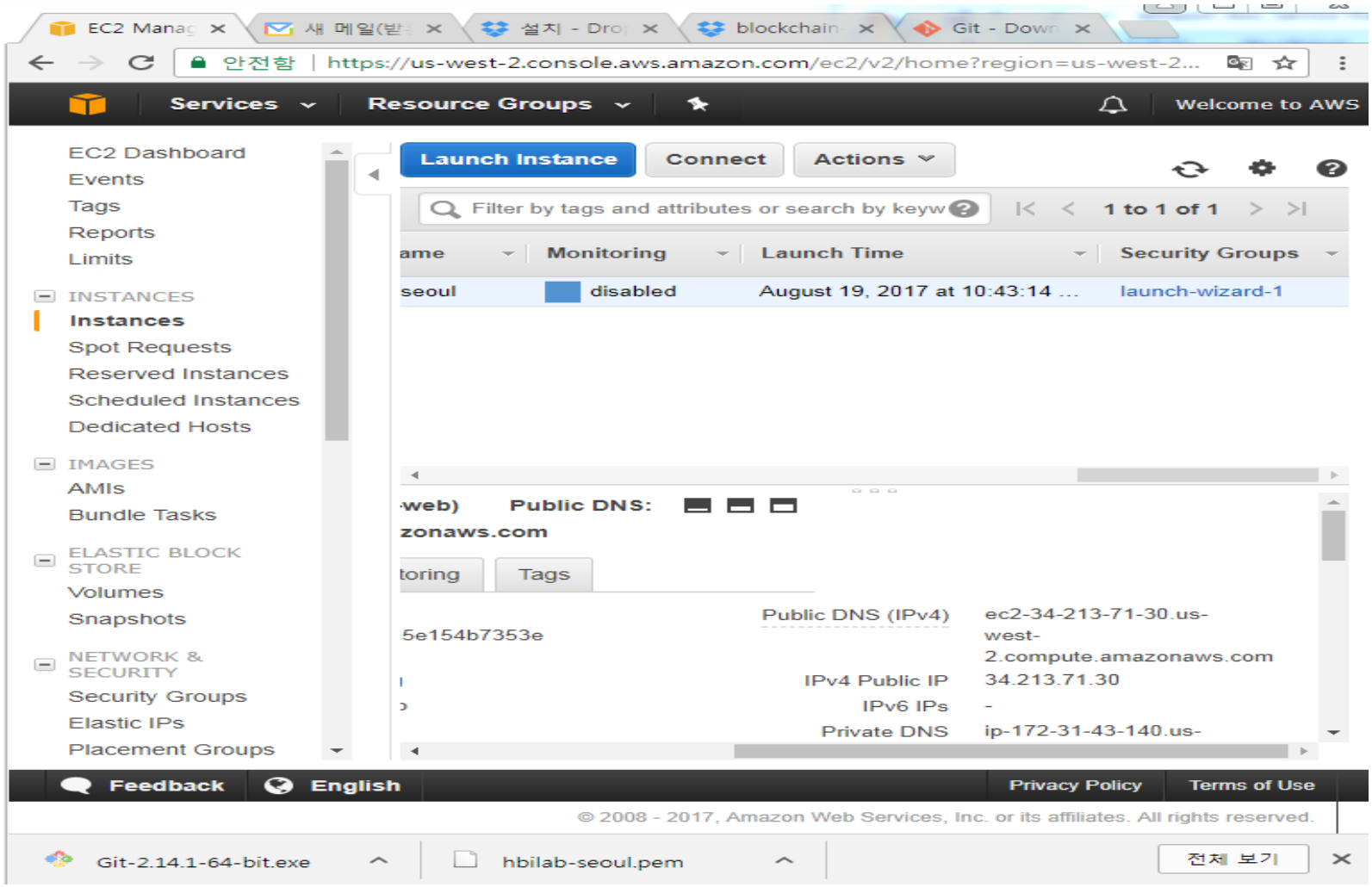
$ ssh -i ~/keys/hbilab/hbilab-seoul.pem ec2-user@13.124.60.93

2. Aws 접속(git bash)



[ec2-user@ip-172-31-8-228 ~]$ sudo yum update -y 서버를 업데이트 함

Port 열기


EC2 Manag
새 메일(받
설치 - Dro
blockchain
Git - Down
안전함 | https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2...
Services
Resource Groups
Welcome to AWS
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyw
1 to 1 of 1
ame
Monitoring
Launch Time
Security Groups
seoul
disabled
August 19, 2017 at 10:43:14 ...
launch-wizard-1
·web)
Public DNS:
zonaws.com
toring
Tags
5e154b7353e
Public DNS (IPv4)
ec2-34-213-71-30.us-west-2.compute.amazonaws.com
IPv4 Public IP
34.213.71.30
IPv6 IPs
-
Private DNS
ip-172-31-43-140.us-
Feedback
English
Privacy Policy
Terms of Use
© 2008 - 2017, Amazon Web Services, Inc. or its affiliates. All rights reserved.
Git-2.14.1-64-bit.exe
hbilab-seoul.pem
전체 보기

3. Nginx 설치

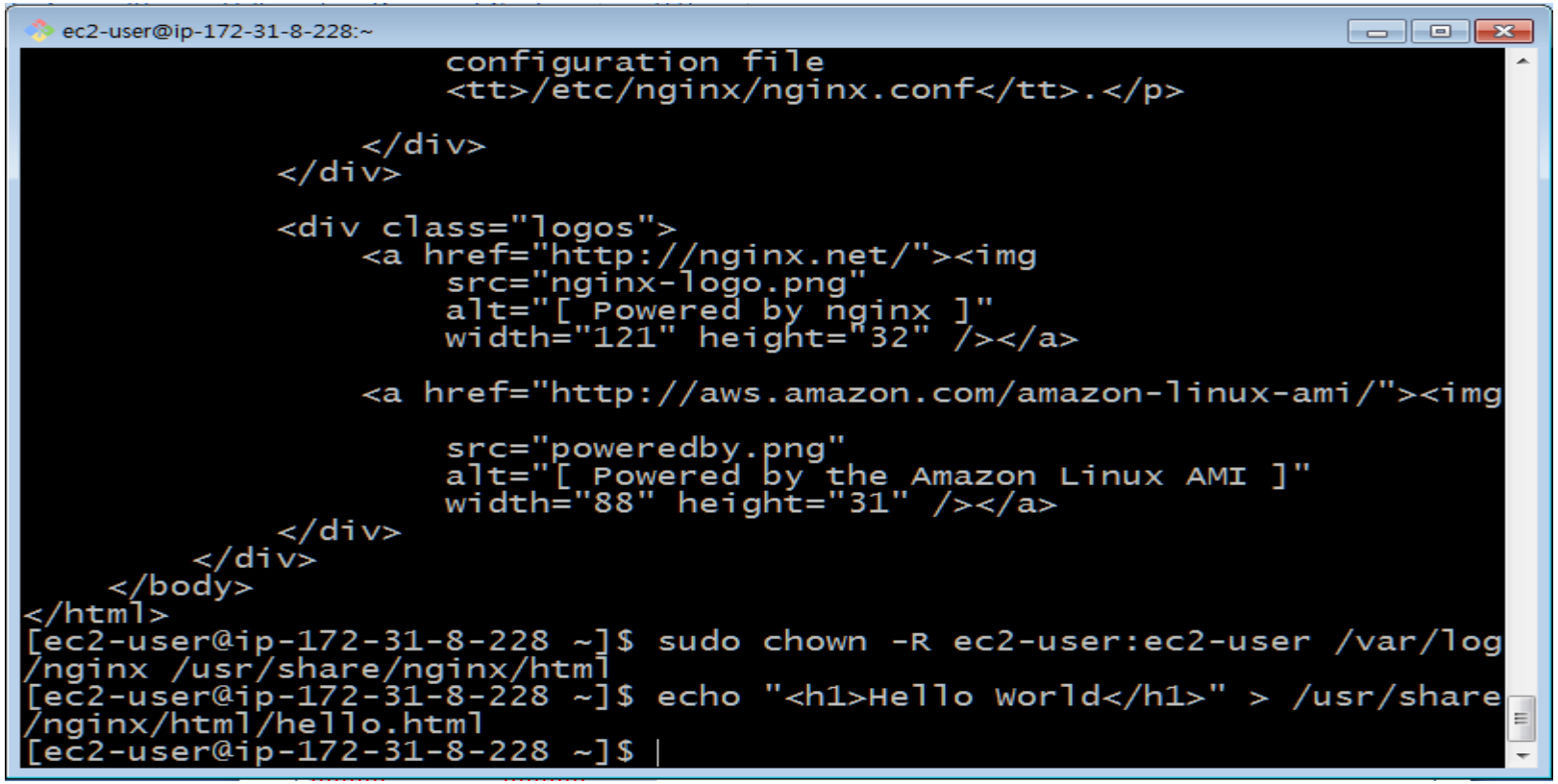
OKdevTV

nginx 설치

```
sudo yum install nginx -y
sudo service nginx start
curl -i http://localhost
sudo chown -R ec2-user:ec2-user /var/log/nginx /usr/share/nginx/html
echo "<h1>Hello World</h1>" > /usr/share/nginx/html/hello.html
```

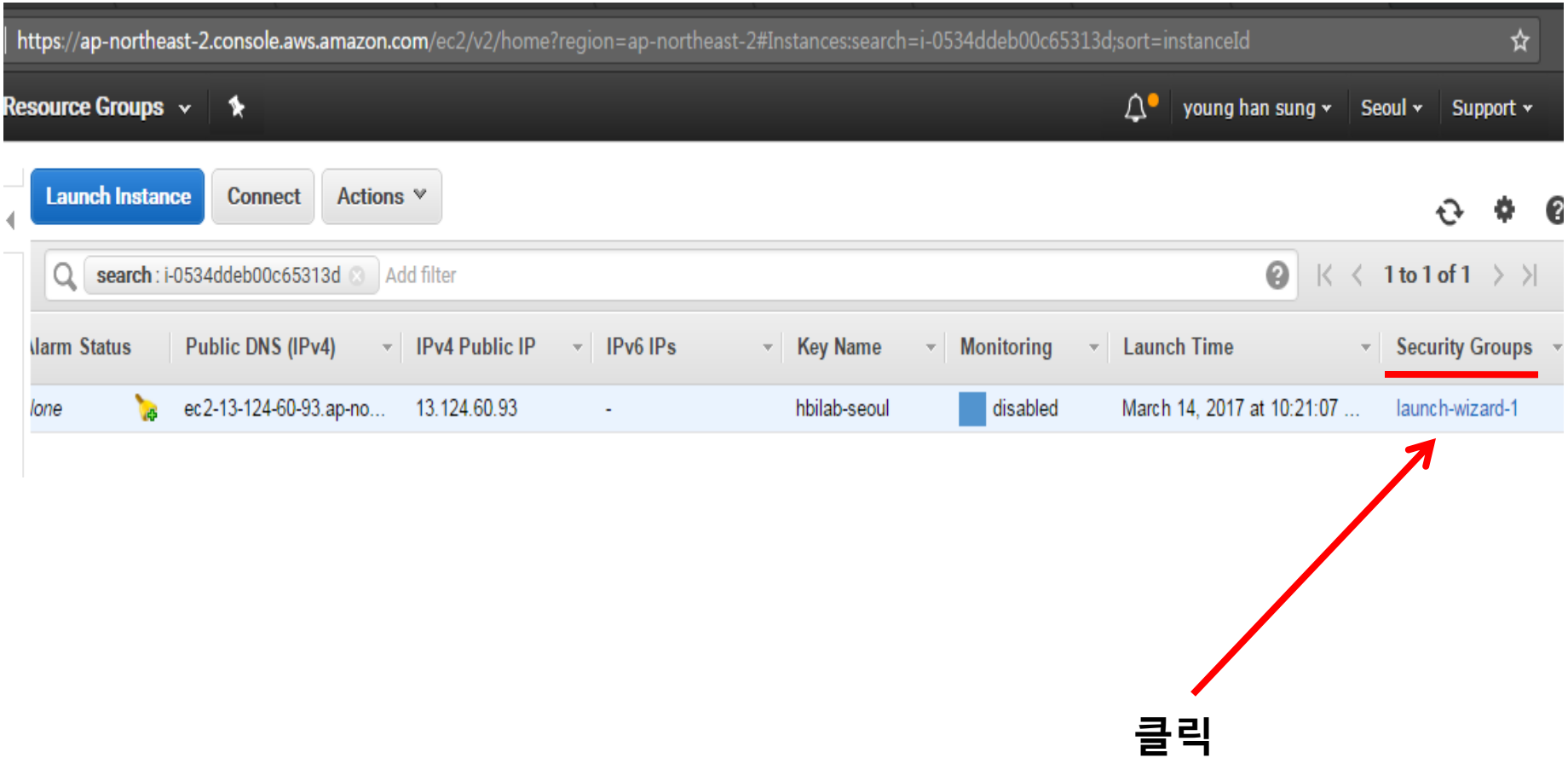
- http://아이피/
- http://아이피/hello.html

3. Nginx 설치

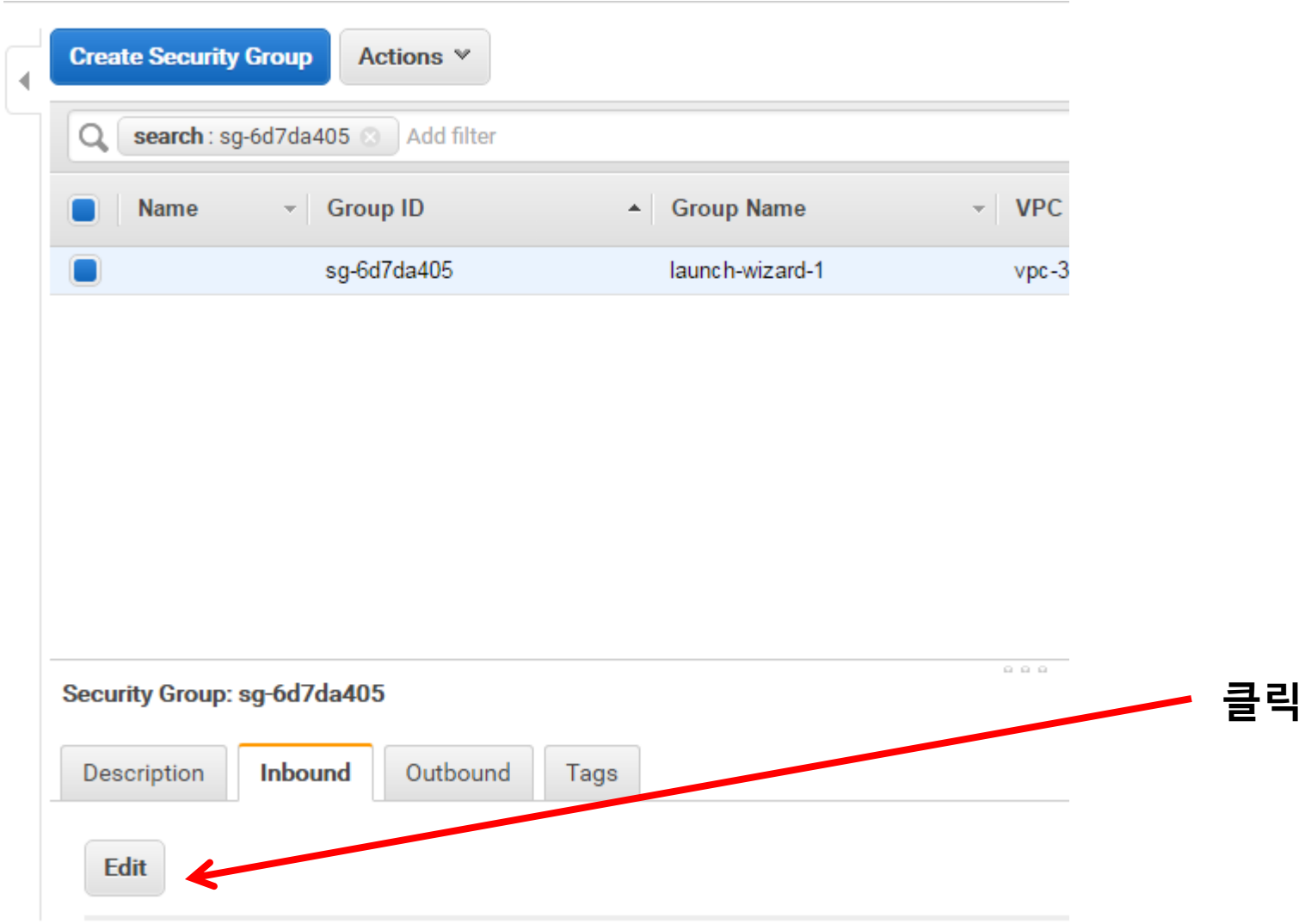


sudo yum install nginx -y
sudo service nginx start
curl -i http://localhost
sudo chown -R ec2-user:ec2-user /var/log/nginx /usr/share/nginx/html
echo "<h1>Hello World</h1>" > /usr/share/nginx/html/hello.html

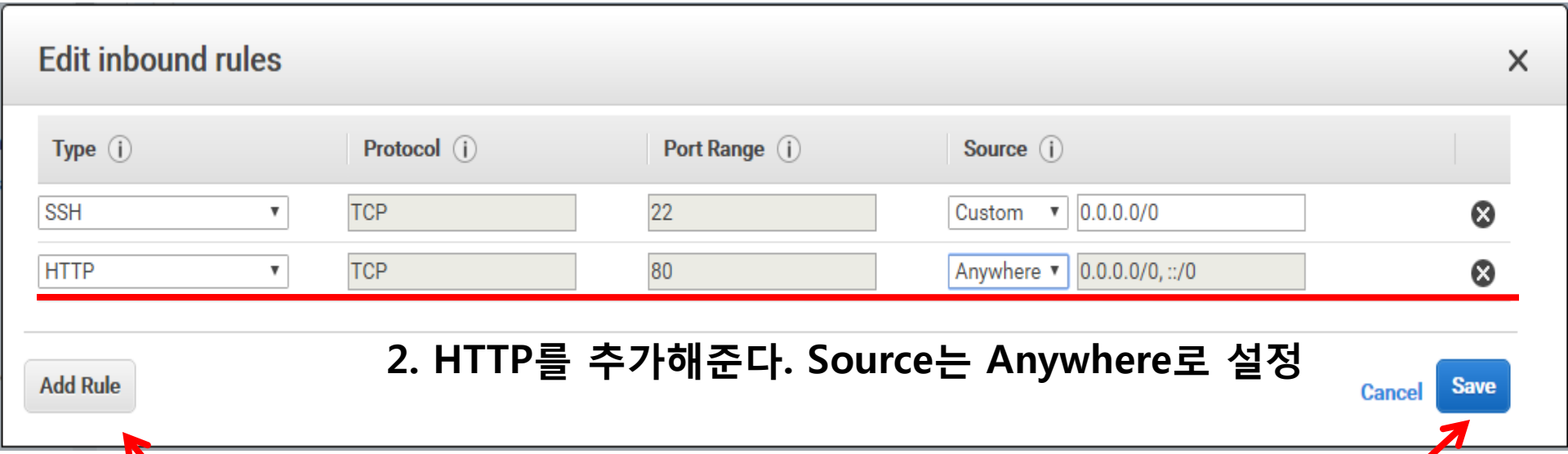
3. Nginx 설치


https://ap-northeast-2.console.aws.amazon.com/ec2/v2/home?region=ap-northeast-2#Instances:search=i-0534ddeb00c65313d;sort=instanceId
Resource Groups
young han sung
Seoul
Support
Launch Instance
Connect
Actions
search : i-0534ddeb00c65313d
Add filter
1 to 1 of 1
larm Status
Public DNS (IPv4)
IPv4 Public IP
IPv6 IPs
Key Name
Monitoring
Launch Time
Security Groups
lone
ec2-13-124-60-93.ap-no...
13.124.60.93
-
hbilab-seoul
disabled
March 14, 2017 at 10:21:07 ...
launch-wizard-1
클릭

3. Nginx 설치


Create Security Group
Actions
search : sg-6d7da405
Add filter
Name
Group ID
Group Name
VPC
sg-6d7da405
launch-wizard-1
vpc-3
Security Group: sg-6d7da405
Description
Inbound
Outbound
Tags
Edit
클릭

3. Nginx 설치

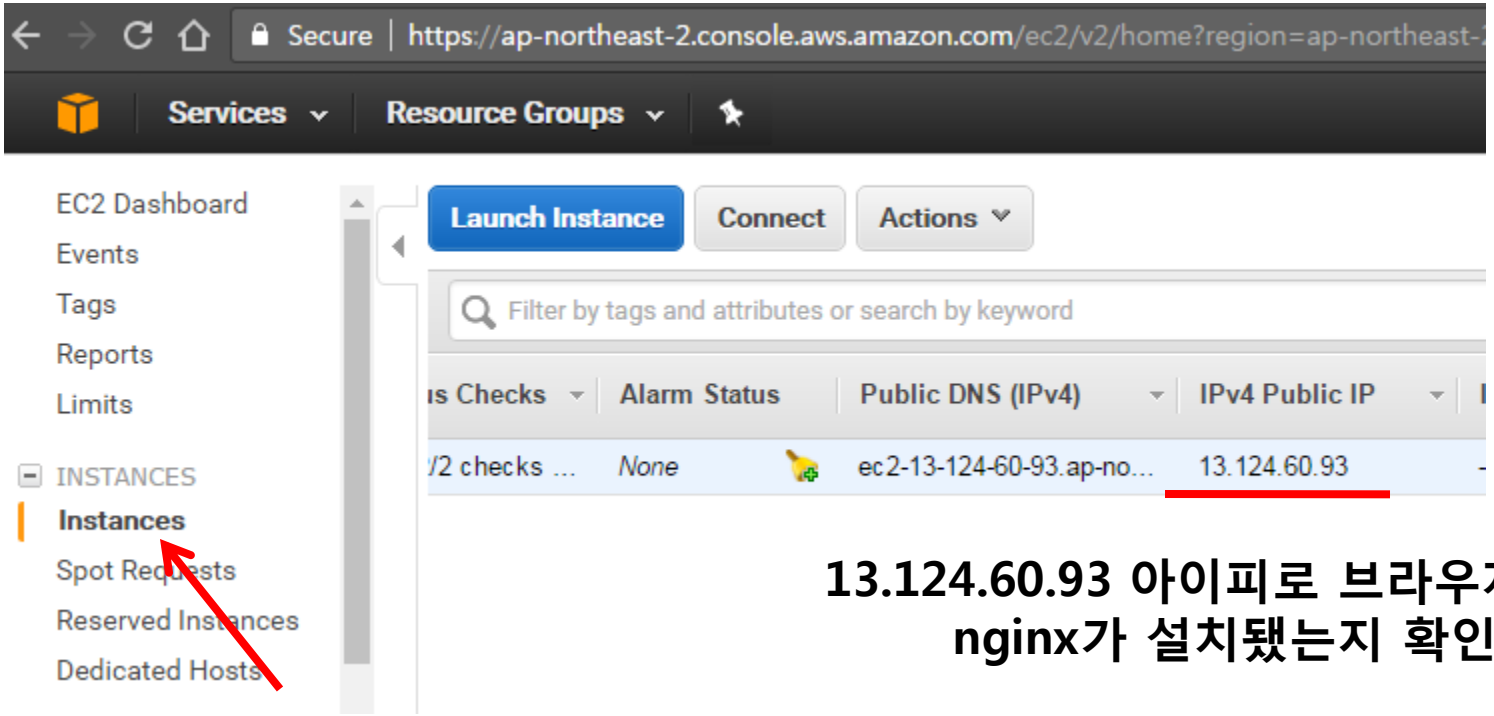


2. HTTP를 추가해준다. Source는 Anywhere로 설정

1. 클릭

3. 클릭

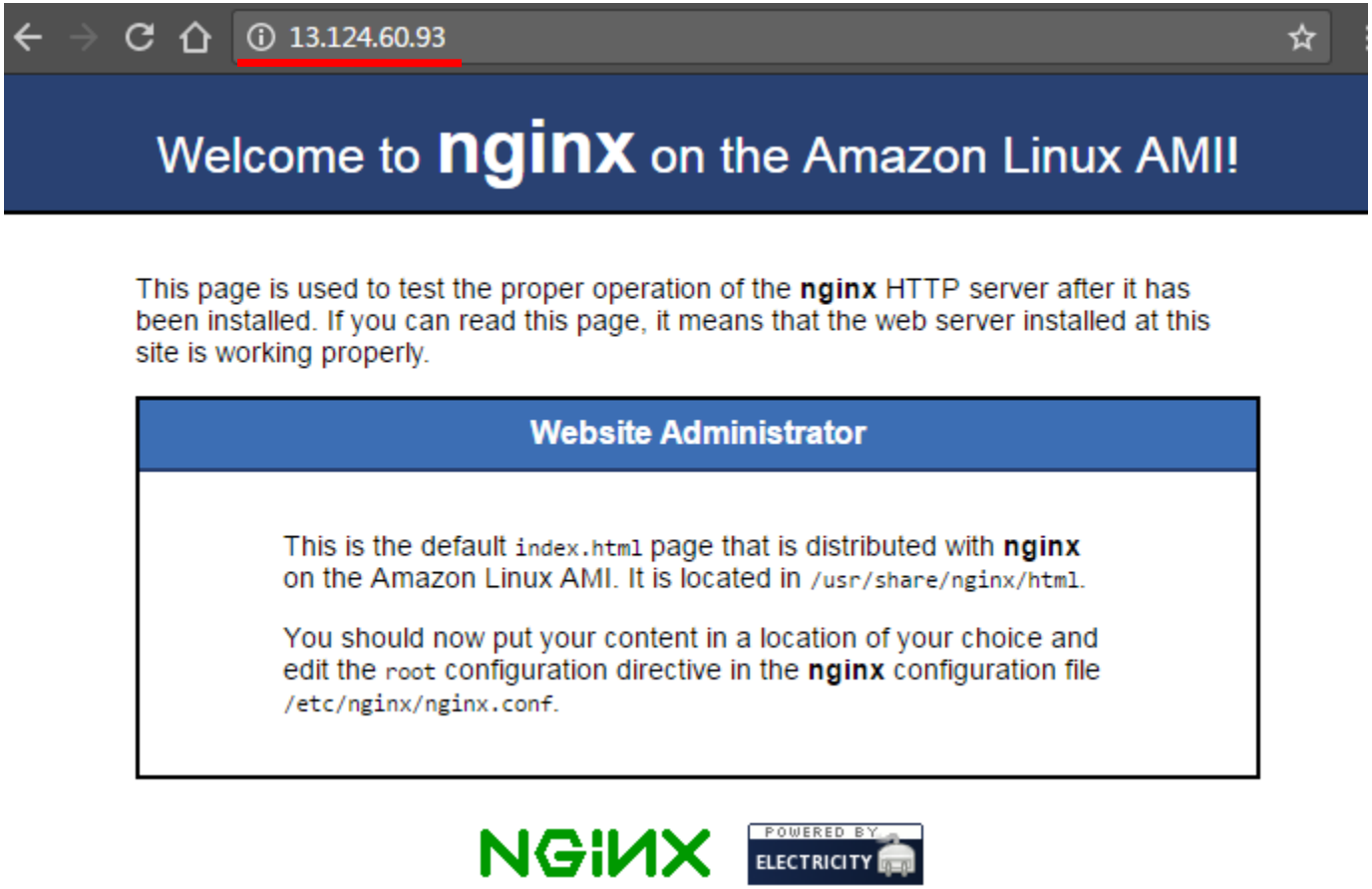
3. Nginx 설치



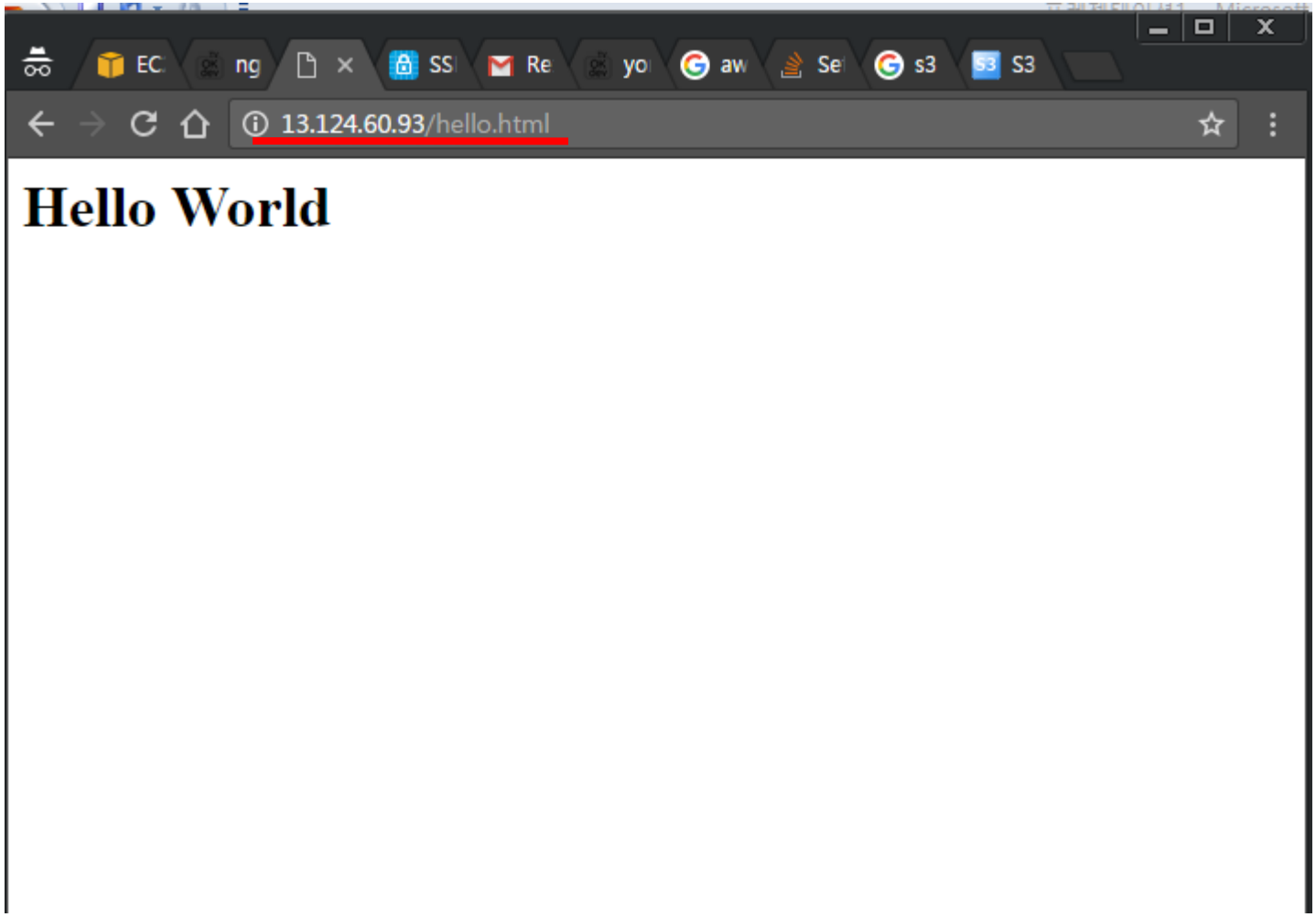
1. 클릭

13.124.60.93 아이피로 브라우저에서 nginx가 설치됐는지 확인

3. Nginx 설치


13.124.60.93
Welcome to nginx on the Amazon Linux AMI!
This page is used to test the proper operation of the nginx HTTP server after it has been installed. If you can read this page, it means that the web server installed at this site is working properly.
Website Administrator
This is the default index.html page that is distributed with nginx on the Amazon Linux AMI. It is located in /usr/share/nginx/html.
You should now put your content in a location of your choice and edit the root configuration directive in the nginx configuration file /etc/nginx/nginx.conf.
NGINX
POWERED BY
ELECTRICITY

3. Nginx 설치



4. JDK 설치

nginx 설치(샘플용)

```
sudo yum install nginx -y
sudo service nginx start
curl -i http://localhost
sudo chown -R ec2-user:ec2-user /var/log/nginx /usr/share/nginx/html
echo "<h1>Hello World</h1>" > /usr/share/nginx/html/hello.html
```

- more nginx 설치

jdk 1.8

```
sudo yum remove java-1.7.0-openjdk.x86_64 -y
sudo yum install java-1.8.0-openjdk-devel.x86_64 -y
```

- more install

4. JDK 설치

nginx 설치(샘플용)

```
sudo yum install nginx -y
sudo service nginx start
curl -i http://localhost
sudo chown -R ec2-user:ec2-user /var/log/nginx /usr/share/nginx/html
echo "<h1>Hello World</h1>" > /usr/share/nginx/html/hello.html
```

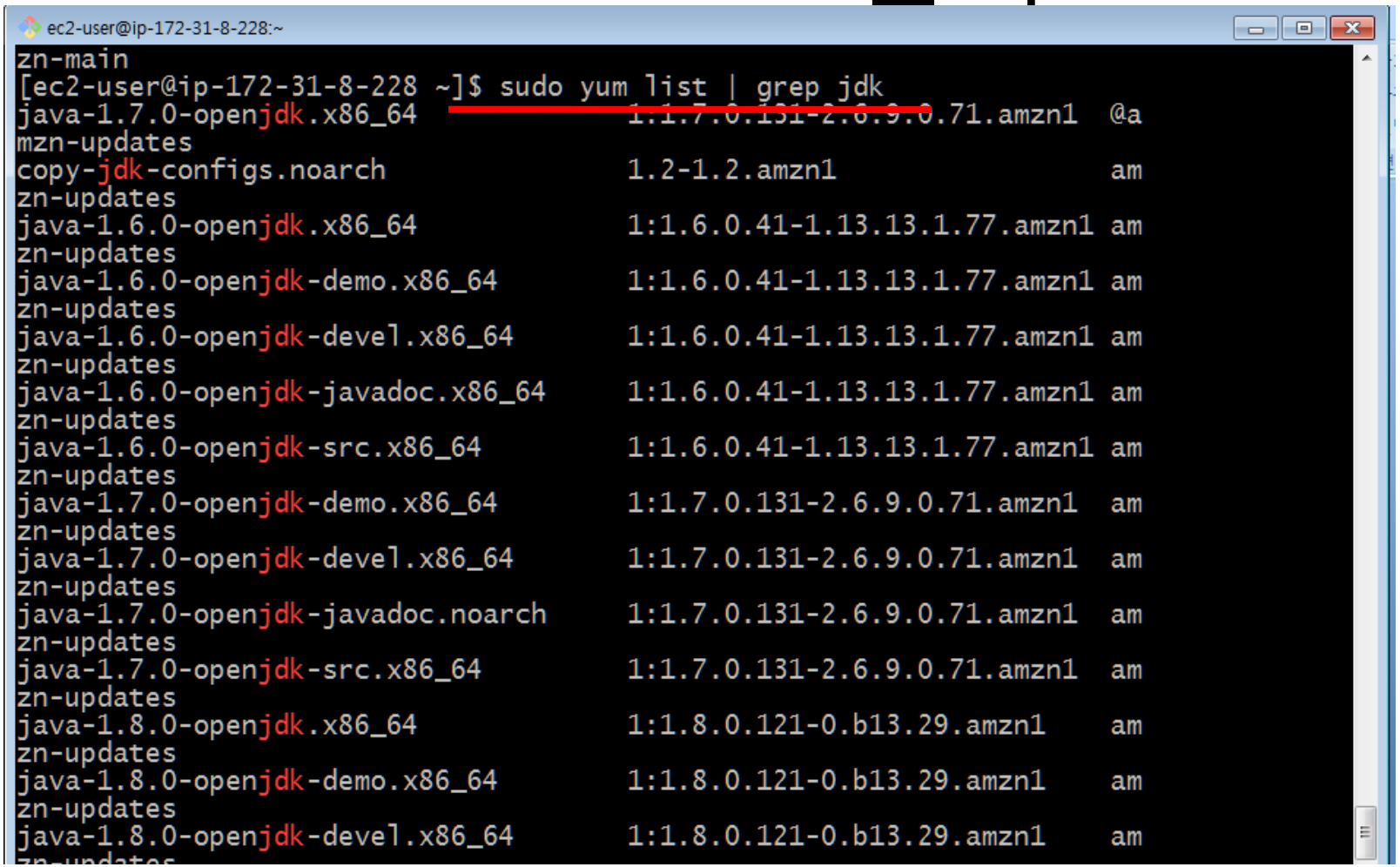
- more nginx 설치

jdk 1.8

```
sudo yum remove java-1.7.0-openjdk.x86_64 -y
sudo yum install java-1.8.0-openjdk-devel.x86_64 -y
```

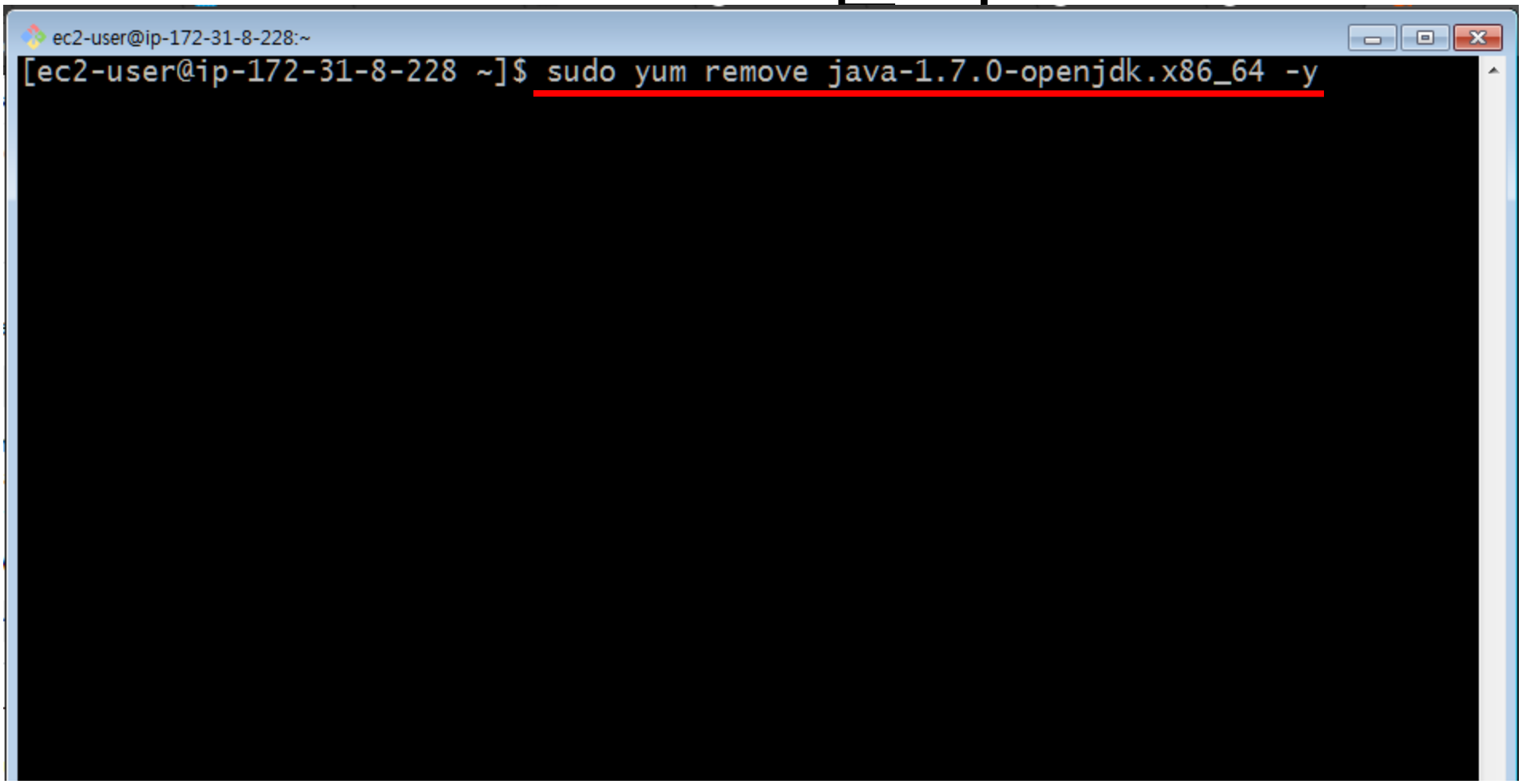
- more install

4. JDK 설치



sudo yum list | grep jdk 명령어 확인 후 삭제 및 설치하면 됨

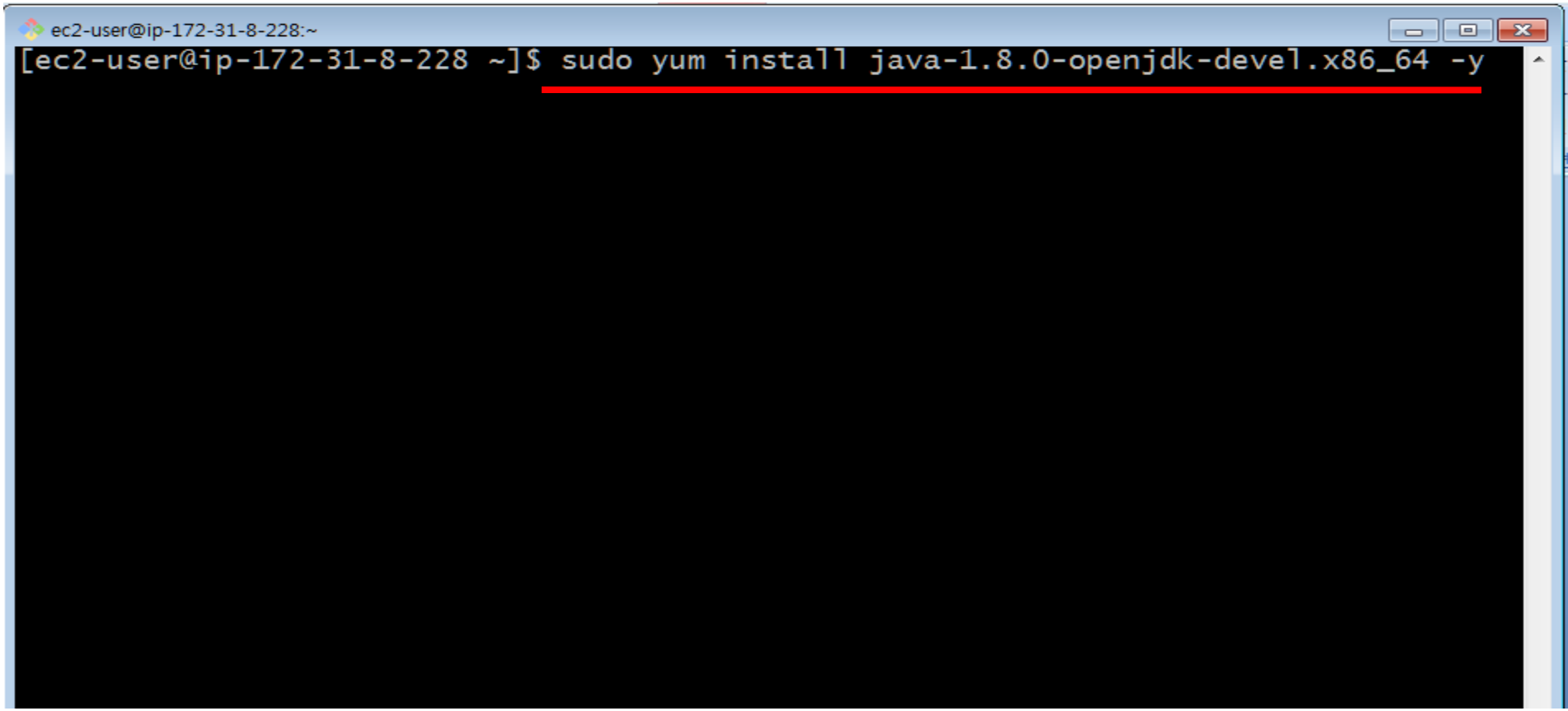
4. JDK 설치



sudo yum remove java-1.7.0-openjdk.x86_64 -y

기존의 java-1.7.0-openjdk.x86_64 삭제함

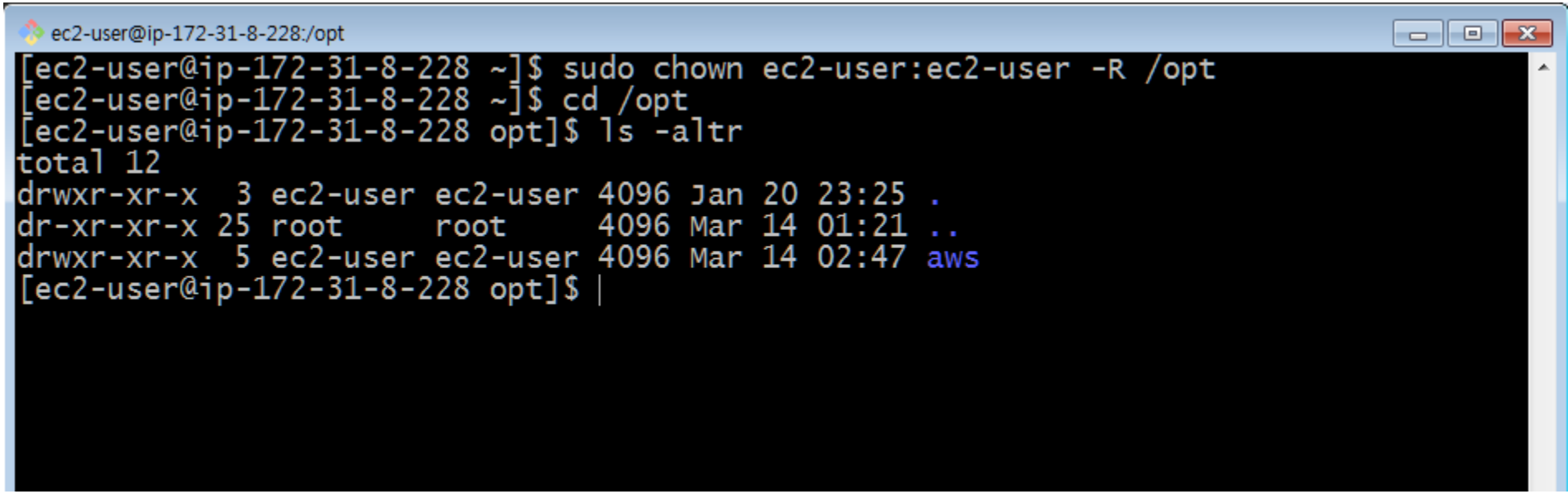
4. JDK 설치



sudo yum install java-1.8.0-openjdk-devel.x86_64 -y

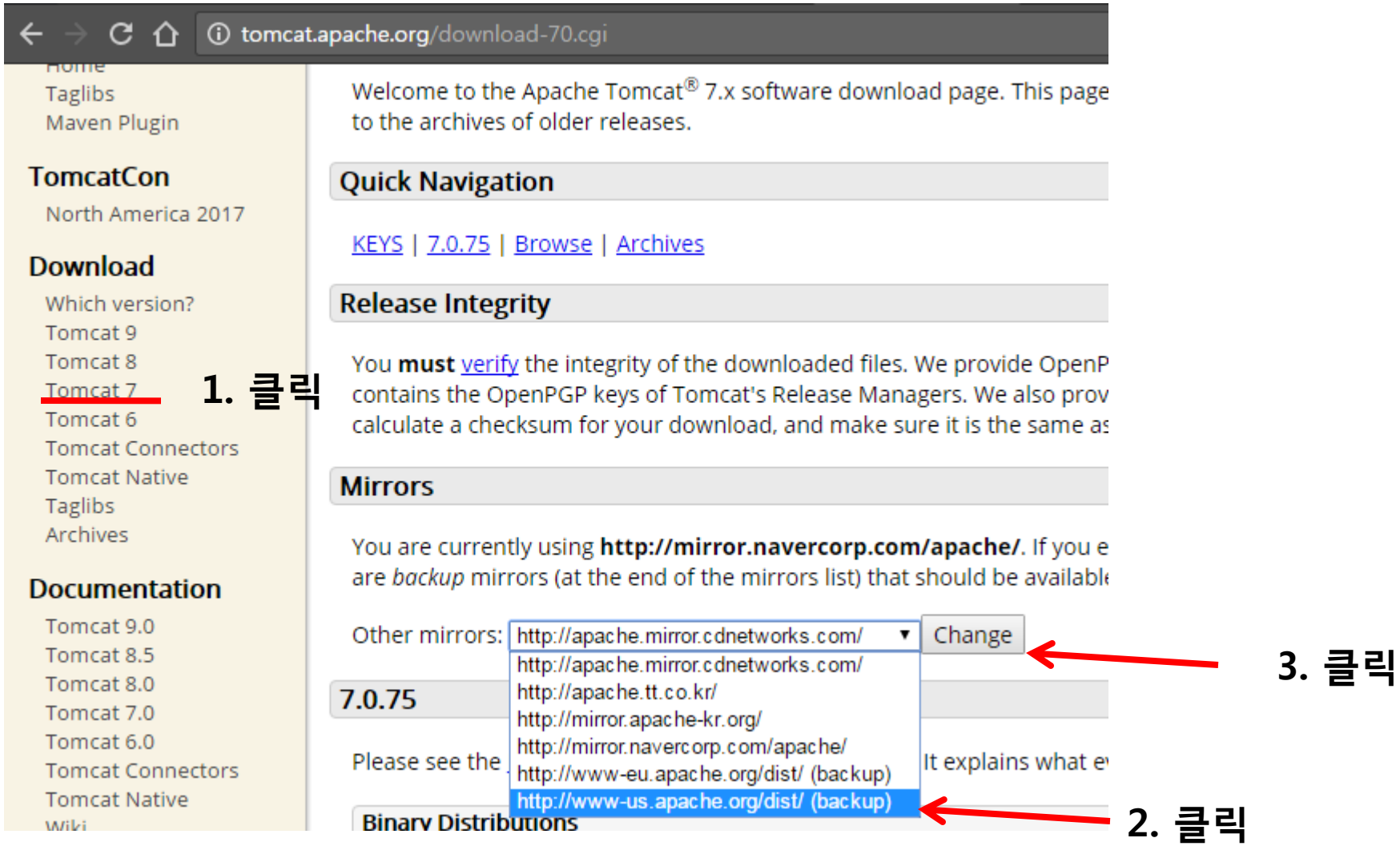
새로운 java-1.8.0-openjdk-devel.x86_64 설치함

5. Tomcat 설치

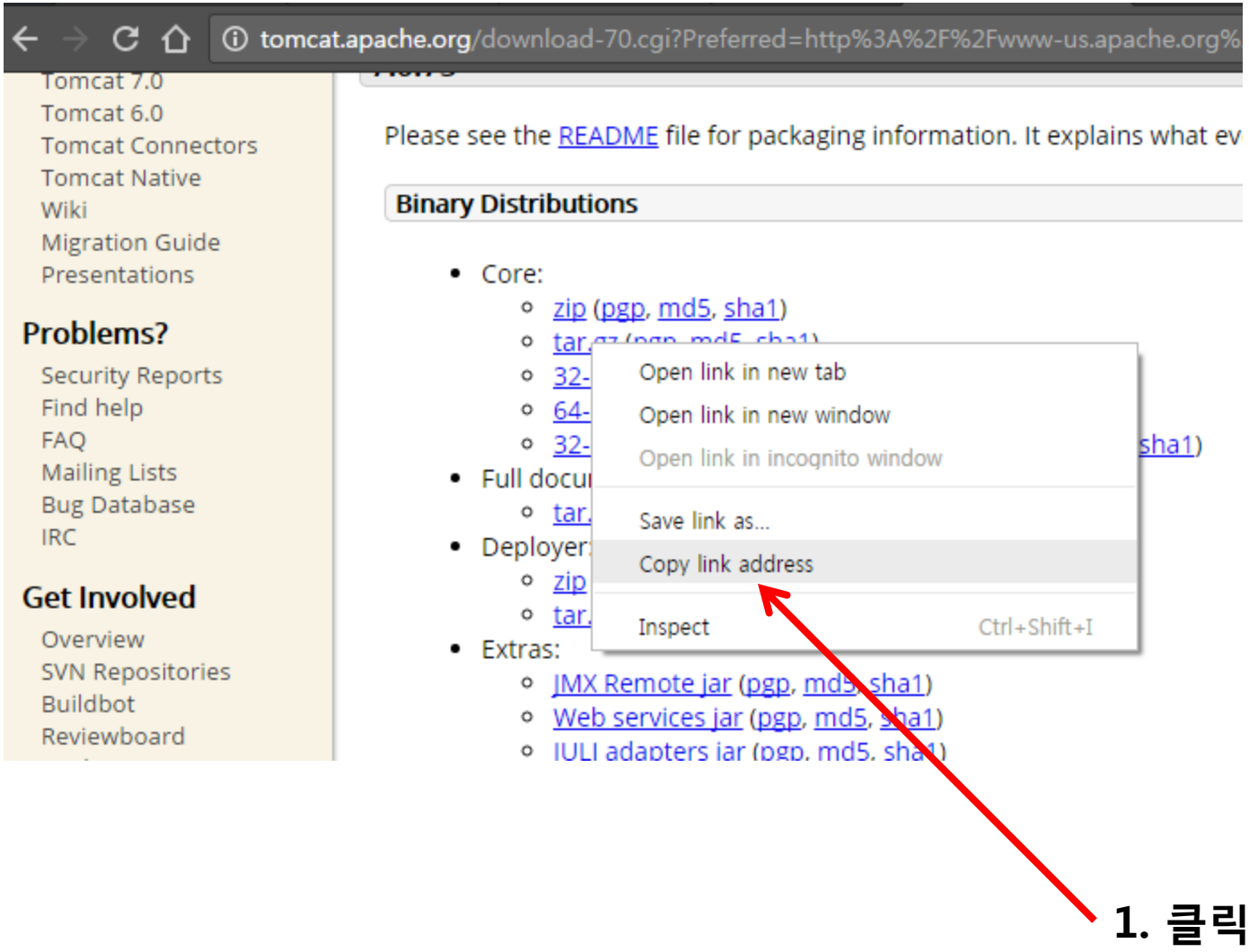


[ec2-user@ip-172-31-8-228 ~]$ clear
[ec2-user@ip-172-31-8-228 ~]$ sudo chown ec2-user:ec2-user -R /opt
[ec2-user@ip-172-31-8-228 ~]$ cd /opt
[ec2-user@ip-172-31-8-228 opt]$ ls -altr

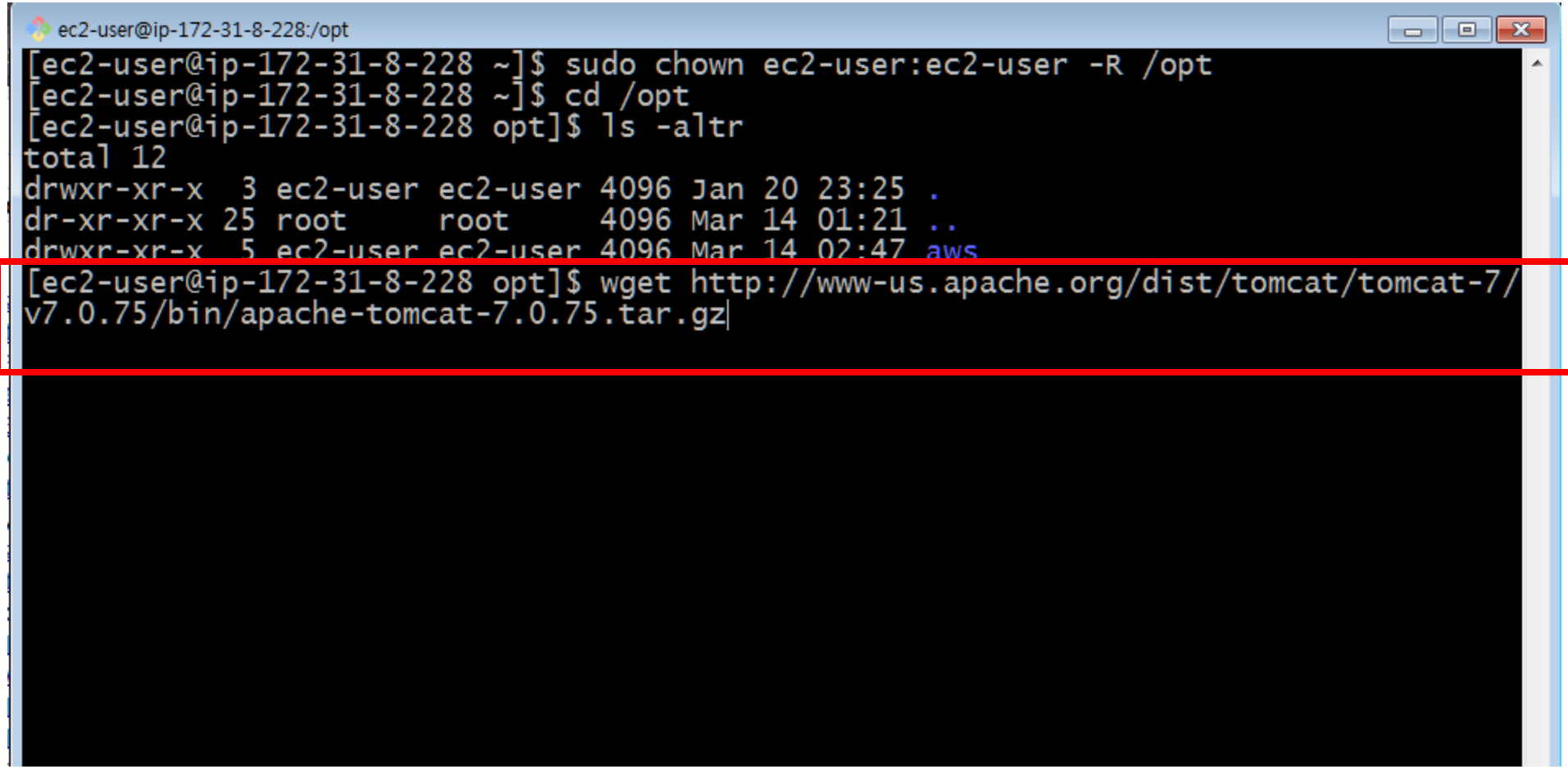
5. Tomcat 설치


tomcat.apache.org/download-70.cgi
Taglibs
Maven Plugin
TomcatCon
North America 2017
Download
Which version?
Tomcat 9
Tomcat 8
Tomcat 7
Tomcat 6
Tomcat Connectors
Tomcat Native
Taglibs
Archives
Documentation
Tomcat 9.0
Tomcat 8.5
Tomcat 8.0
Tomcat 7.0
Tomcat 6.0
Tomcat Connectors
Tomcat Native
1. 클릭
Welcome to the Apache Tomcat® 7.x software download page. This page
to the archives of older releases.
Quick Navigation
KEYS | 7.0.75 | Browse | Archives
Release Integrity
You must verify the integrity of the downloaded files. We provide OpenP
contains the OpenPGP keys of Tomcat's Release Managers. We also prov
calculate a checksum for your download, and make sure it is the same as
Mirrors
You are currently using http://mirror.navercorp.com/apache/. If you e
are backup mirrors (at the end of the mirrors list) that should be available
Other mirrors:
http://apache.mirror.cdnetworks.com/
Change
http://apache.mirror.cdnetworks.com/
http://apache.tt.co.kr/
http://mirror.apache-kr.org/
http://mirror.navercorp.com/apache/
http://www-eu.apache.org/dist/ (backup)
http://www-us.apache.org/dist/ (backup)
3. 클릭
7.0.75
Please see the
It explains what e
Binary Distributions
2. 클릭

5. Tomcat 설치

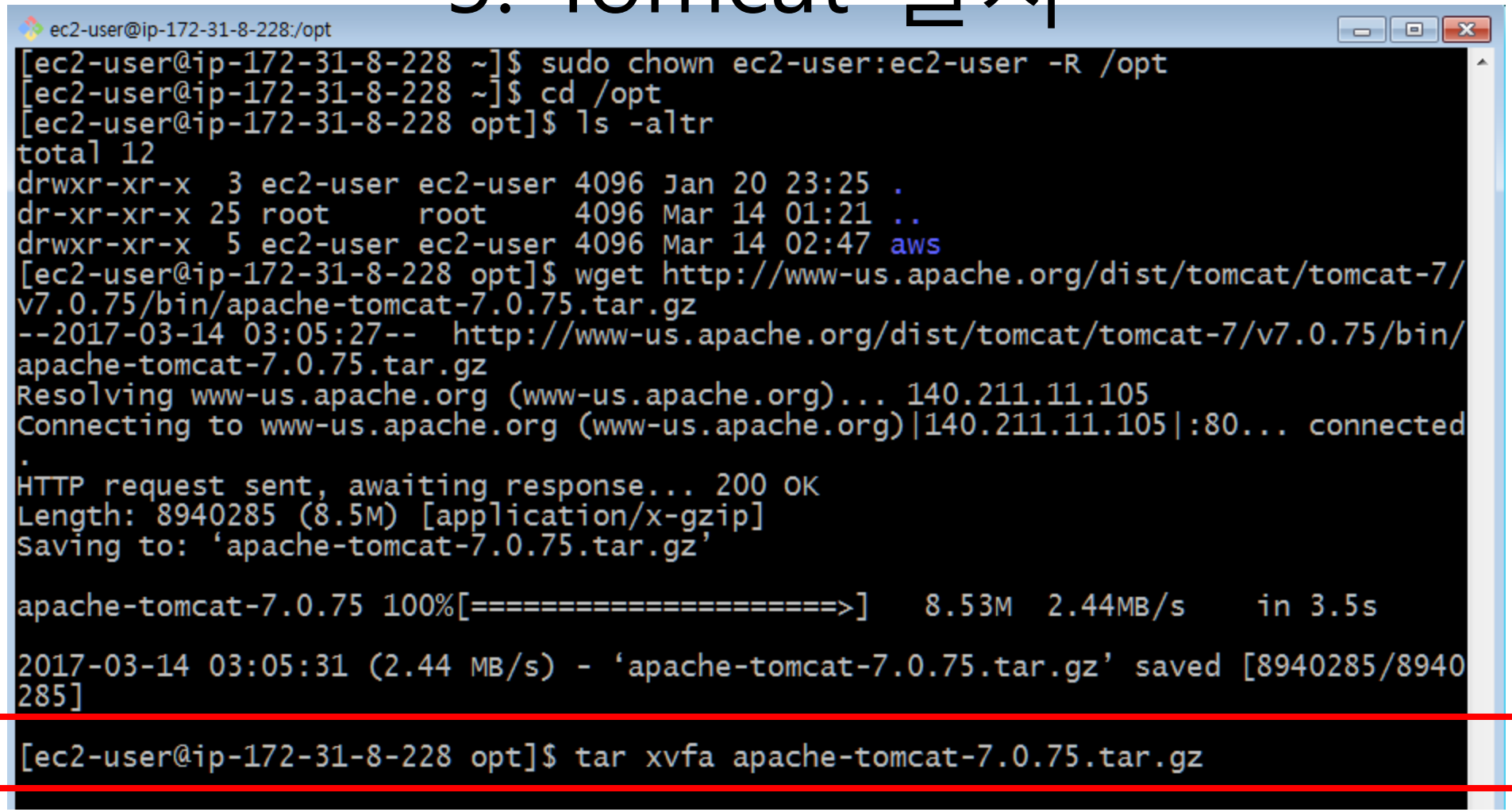

tomcat.apache.org/download-70.cgi?Preferred=http%3A%2F%2Fwww-us.apache.org%
Tomcat 7.0
Tomcat 6.0
Tomcat Connectors
Tomcat Native
Wiki
Migration Guide
Presentations
Problems?
Security Reports
Find help
FAQ
Mailing Lists
Bug Database
IRC
Get Involved
Overview
SVN Repositories
Buildbot
Reviewboard
Please see the README file for packaging information. It explains what ev
Binary Distributions
Core:
zip (pgp, md5, sha1)
Open link in new tab
Open link in new window
Open link in incognito window
Save link as...
Copy link address
Inspect
Ctrl+Shift+I
Extras:
JMX Remote jar (pgp, md5, sha1)
Web services jar (pgp, md5, sha1)
1. 클릭

5. Tomcat 설치



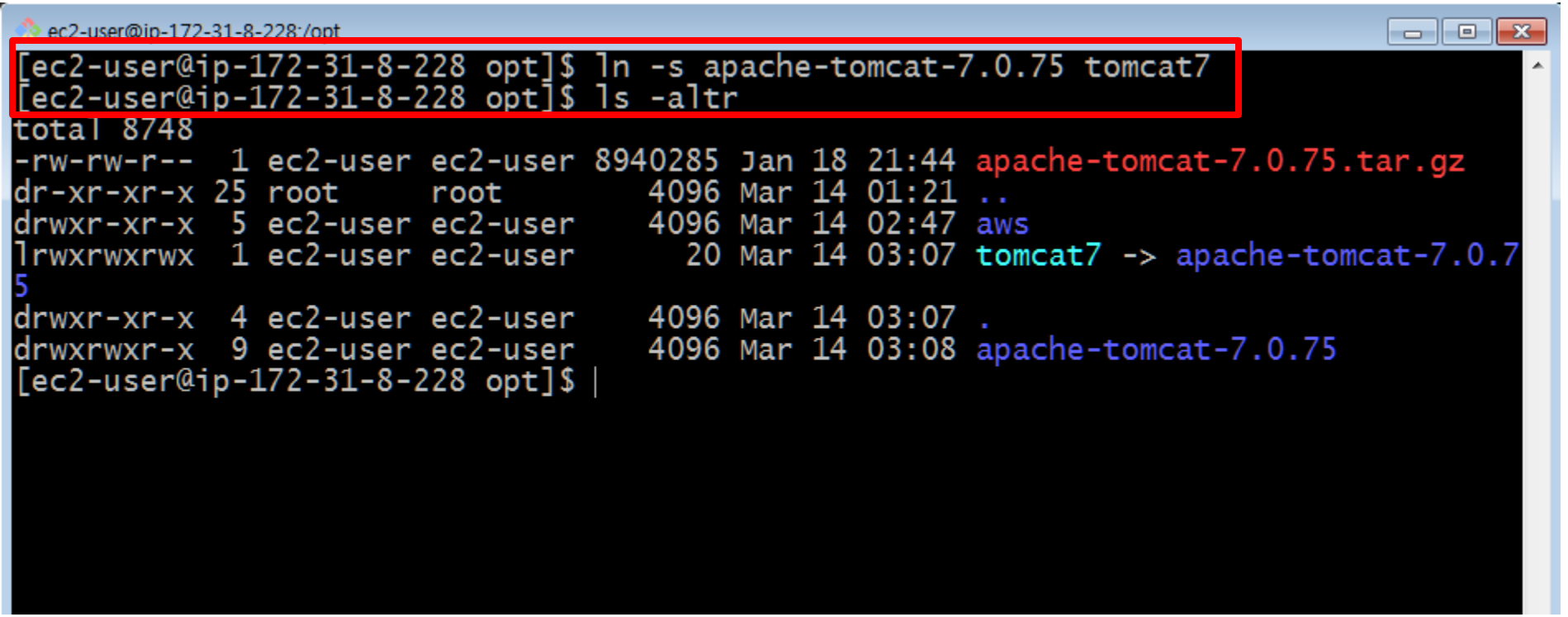
[ec2-user@ip-172-31-8-228 opt]$ wget http://www-us.apache.org/dist/tomcat/tomcat-7/v7.0.81/bin/apache-tomcat-7.0.81.tar.gz

5. Tomcat 설치



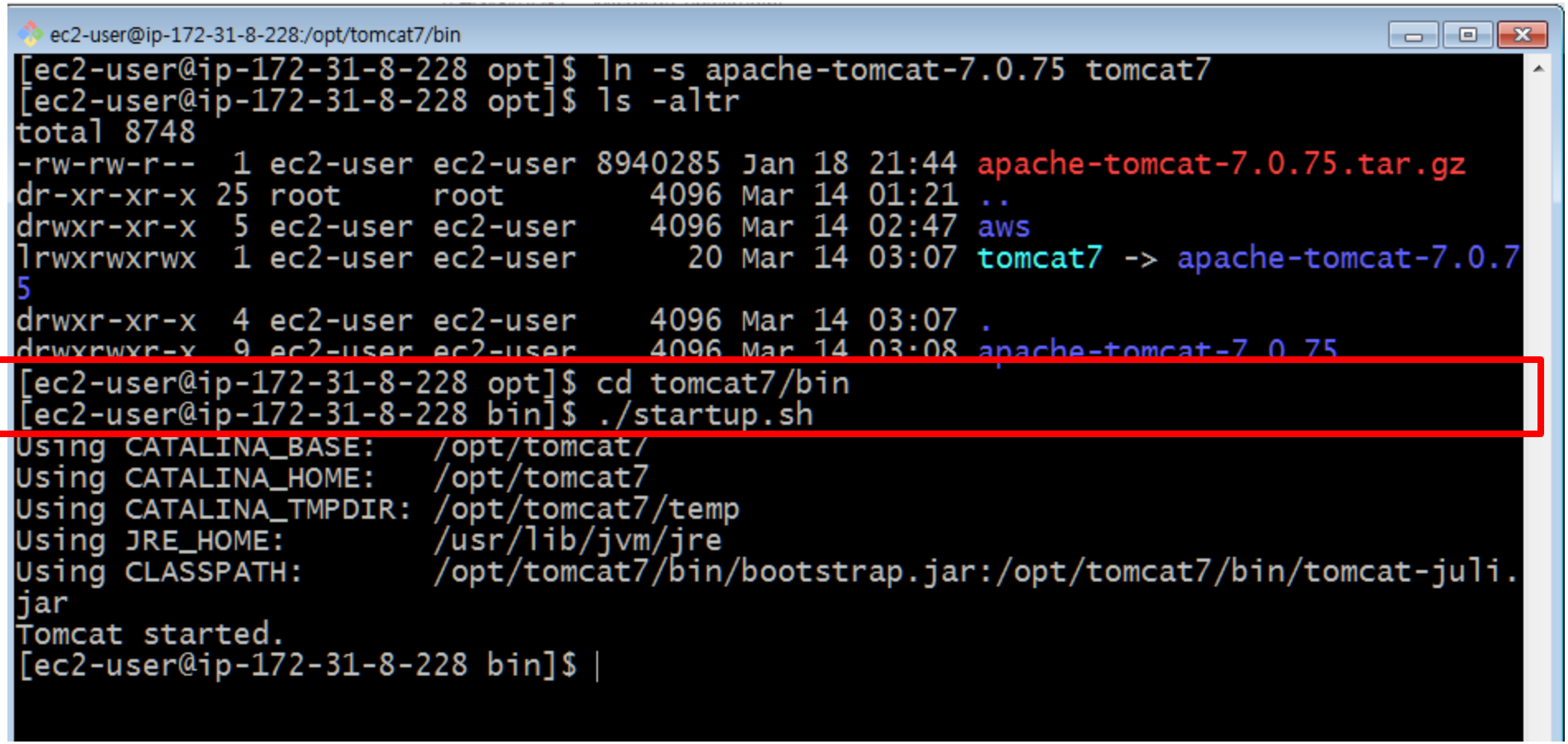
[ec2-user@ip-172-31-8-228 opt]$ tar xvfa apache-tomcat-7.0.75.tar.gz

5. Tomcat 설치



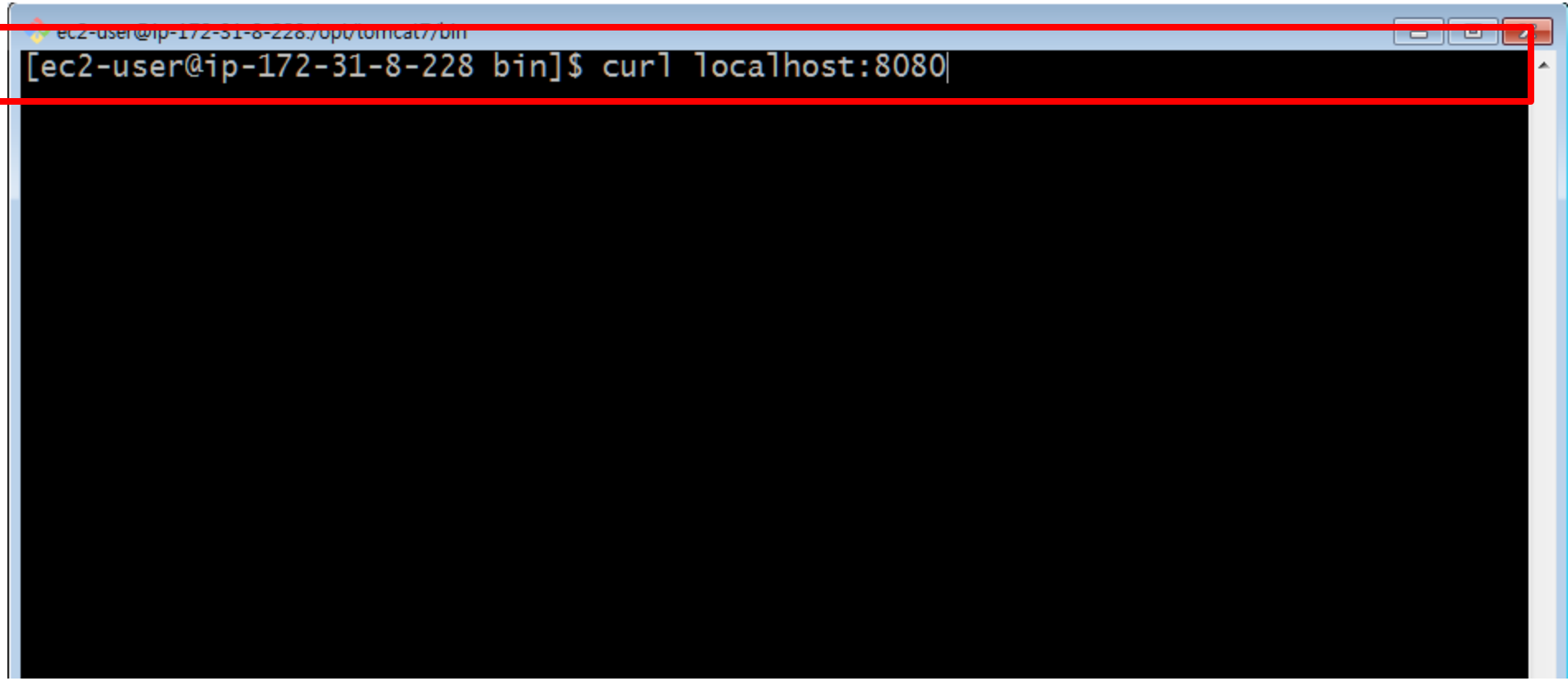
[ec2-user@ip-172-31-8-228 opt]$ ln -s apache-tomcat-7.0.75 tomcat7

5. Tomcat 설치



[ec2-user@ip-172-31-8-228 opt]$ cd tomcat7/bin
[ec2-user@ip-172-31-8-228 bin]$ ./startup.sh

5. Tomcat 설치



8080포트를 Security Group에 추가하지 않았기 때문에 curl로 확인한다.

6. Tomcat + Nginx

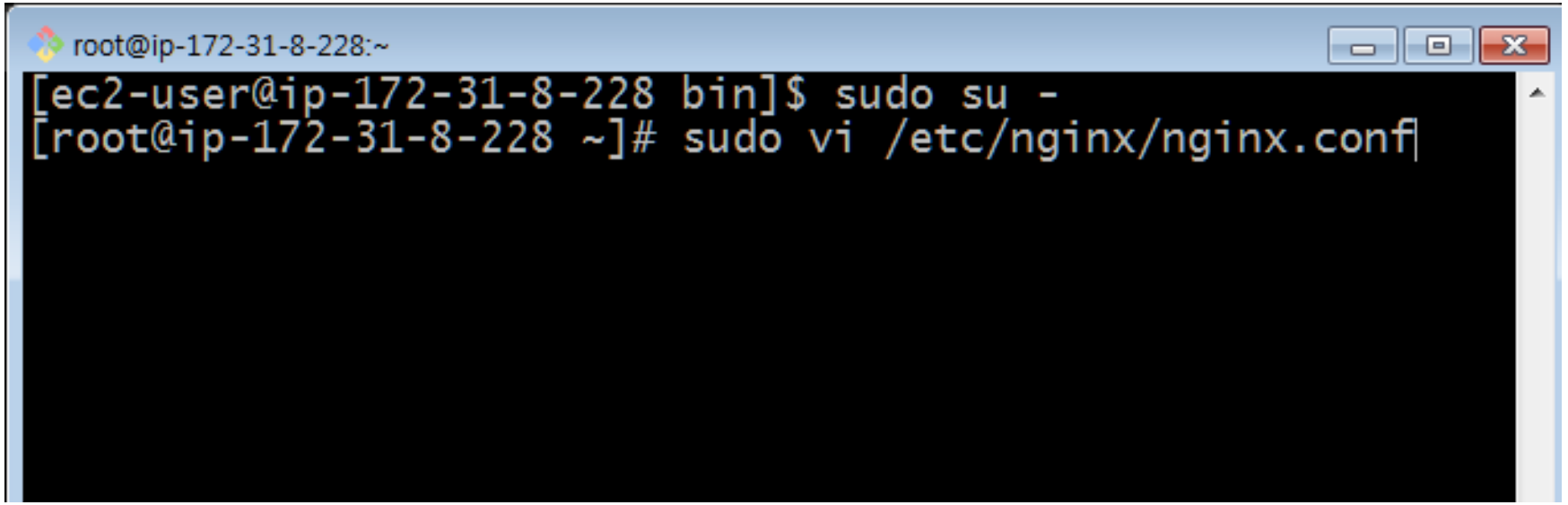

```
sudo service nginx restart
```

proxy

```
        auth_basic "Restricted Access";
        auth_basic_user_file /etc/nginx/htpasswd.users;

        location / {
                proxy_pass http://localhost:5601;
                proxy_http_version 1.1;
                proxy_set_header Upgrade $http_upgrade;
                proxy_set_header Connection 'upgrade';
                proxy_set_header Host $host;
                proxy_cache_bypass $http_upgrade;
        }
```

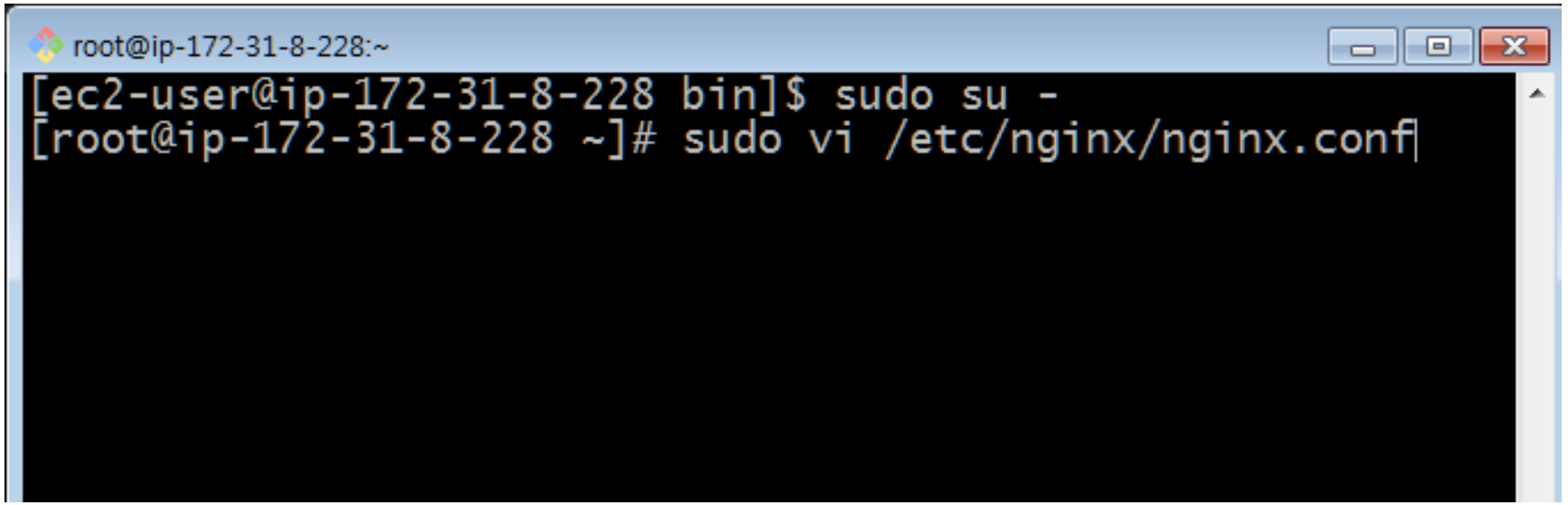
proxy_pass http://localhost:5601;
proxy_http_version 1.1;
proxy_set_header Upgrade $http_upgrade;
proxy_set_header Connection 'upgrade';
proxy_set_header Host $host; proxy_cache_bypass $http_upgrade;

6. Tomcat + Nginx



[ec2-user@ip-172-31-8-228 bin]$ sudo su -
[root@ip-172-31-8-228 ~]# sudo vi /etc/nginx/nginx.conf

6. Tomcat + Nginx



[ec2-user@ip-172-31-8-228 bin]$ sudo su -
[root@ip-172-31-8-228 ~]# sudo vi /etc/nginx/nginx.conf

6. Tomcat + Nginx

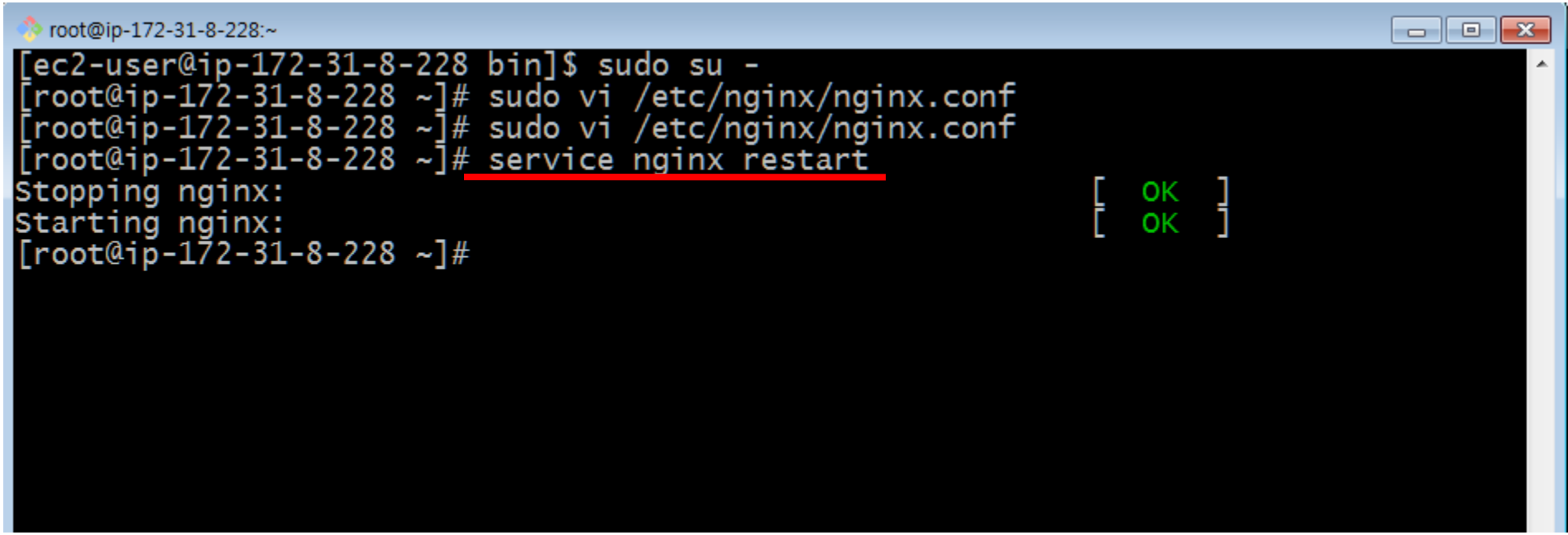
root@ip-172-31-8-228:~

```
    index   index.html index.htm;

    server {
        listen       80 default_server;
        listen       [::]:80 default_server;
        server_name  localhost;
        root         /usr/share/nginx/html;

        # Load configuration files for the default server block.
        include /etc/nginx/default.d/*.conf;

        location / {
                proxy_pass http://localhost:8080;
                proxy_http_version 1.1;
                proxy_set_header Upgrade $http_upgrade;
                proxy_set_header Connection 'upgrade';
                proxy_set_header Host $host;
                proxy_cache_bypass $http_upgrade;
        }

        # redirect server error pages to the static page /40x.html
        #
        error_page 404 /404.html;
            location = /40x.html {
        }
```

편집기에서 /location 찾은 후 편집

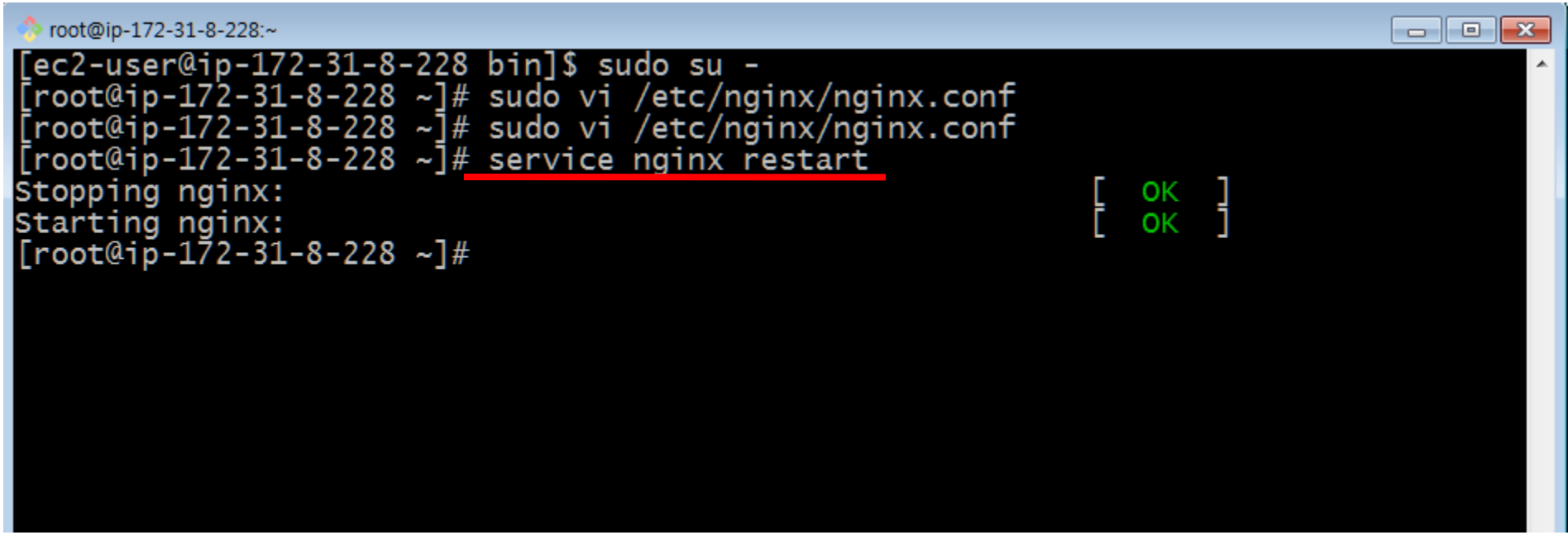
proxy_pass http://localhost:8080;
proxy_http_version 1.1;
proxy_set_header Upgrade $http_upgrade;
proxy_set_header Connection 'upgrade';
proxy_set_header Host $host;
proxy_cache_bypass $http_upgrade;

6. Tomcat + Nginx



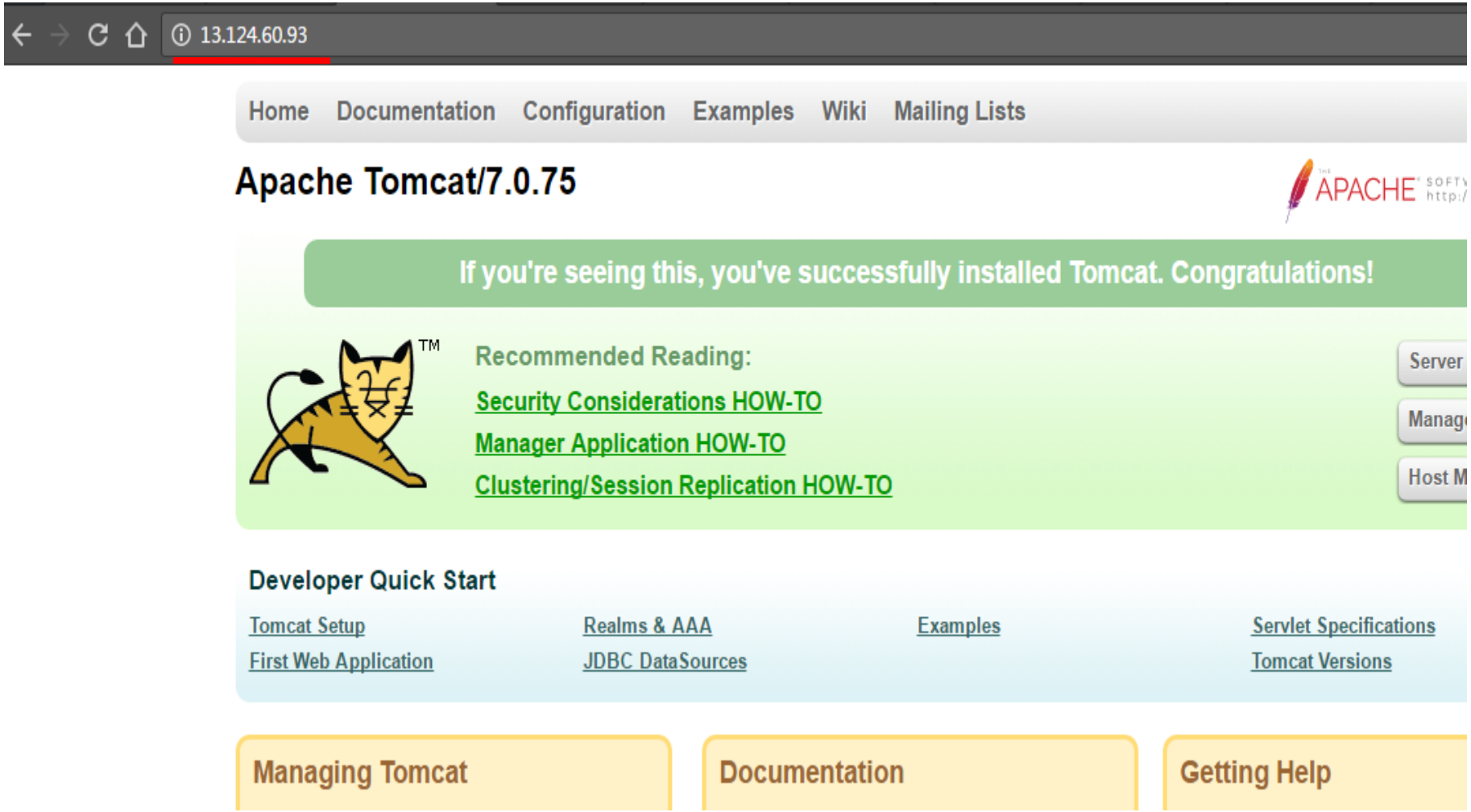
[root@ip-172-31-8-228 ~]# service nginx restart

6. Tomcat + Nginx

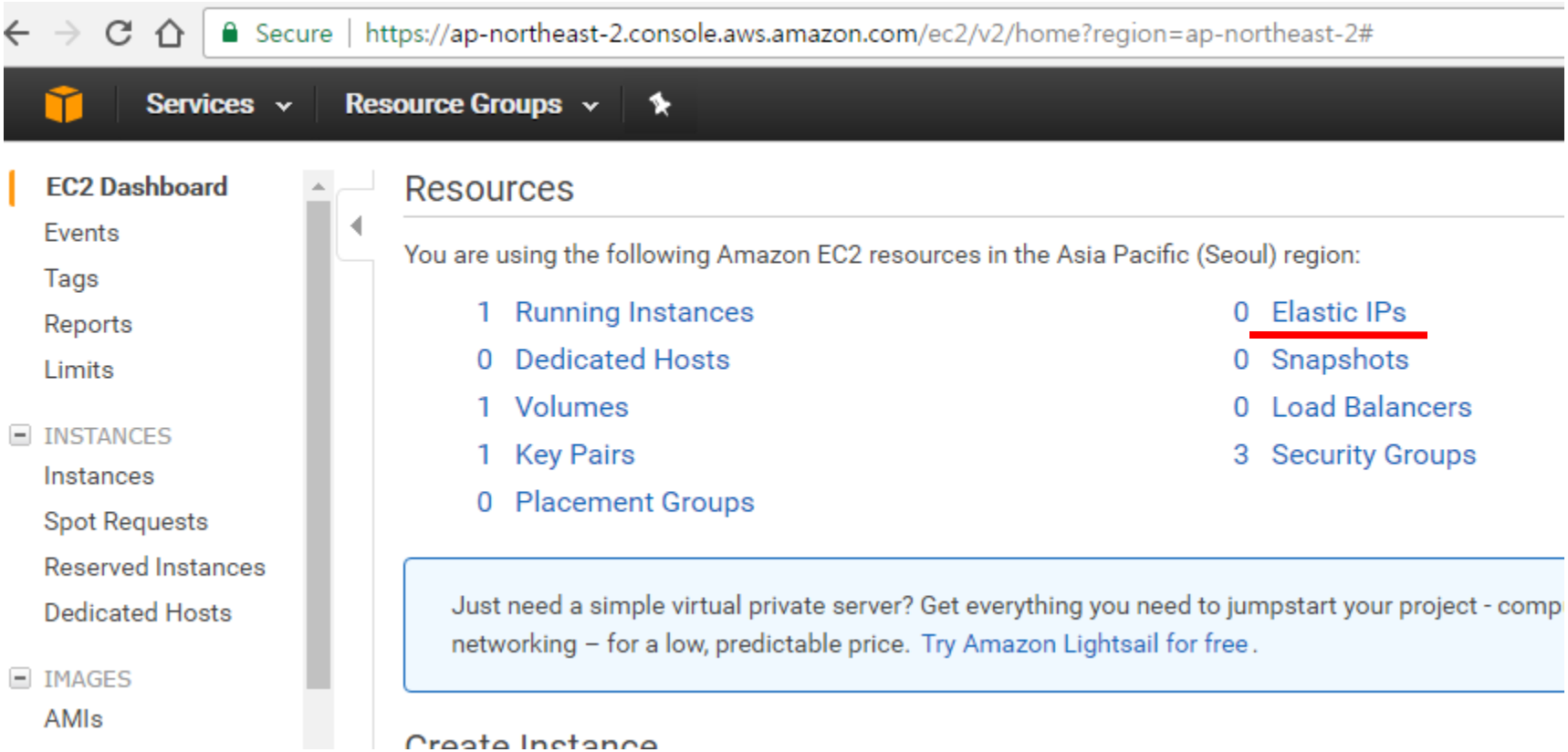


[root@ip-172-31-8-228 ~]# service nginx restart

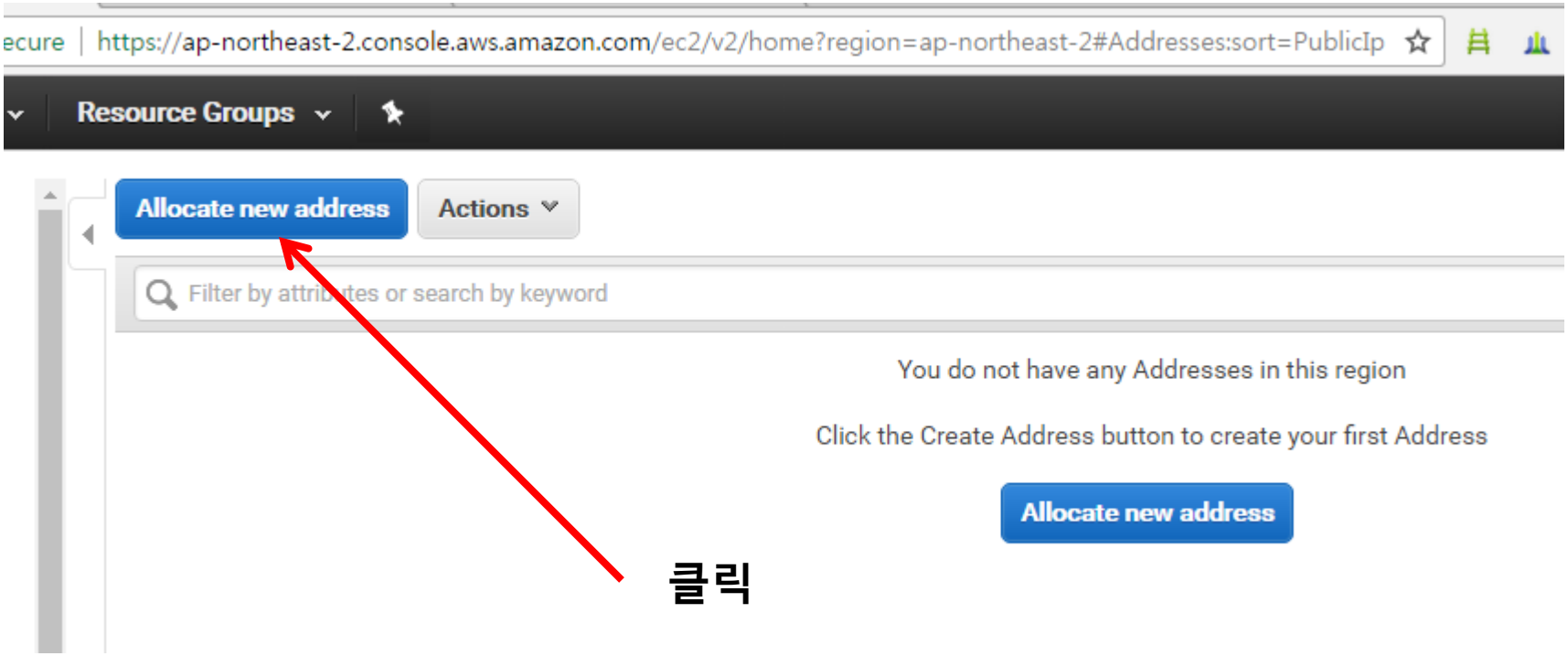
6. Tomcat + Nginx



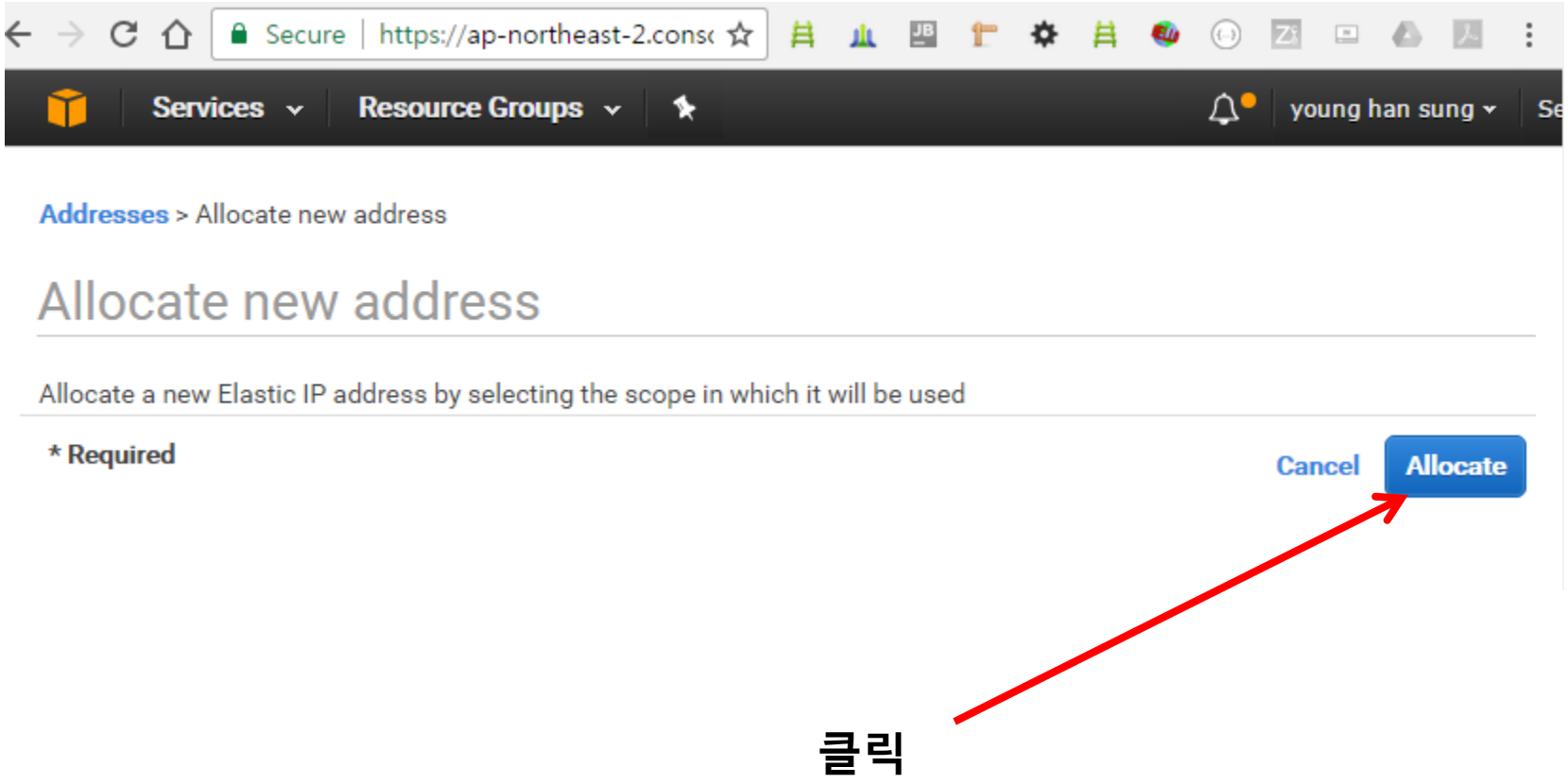
7. Elastic IP 및 도메인 설정



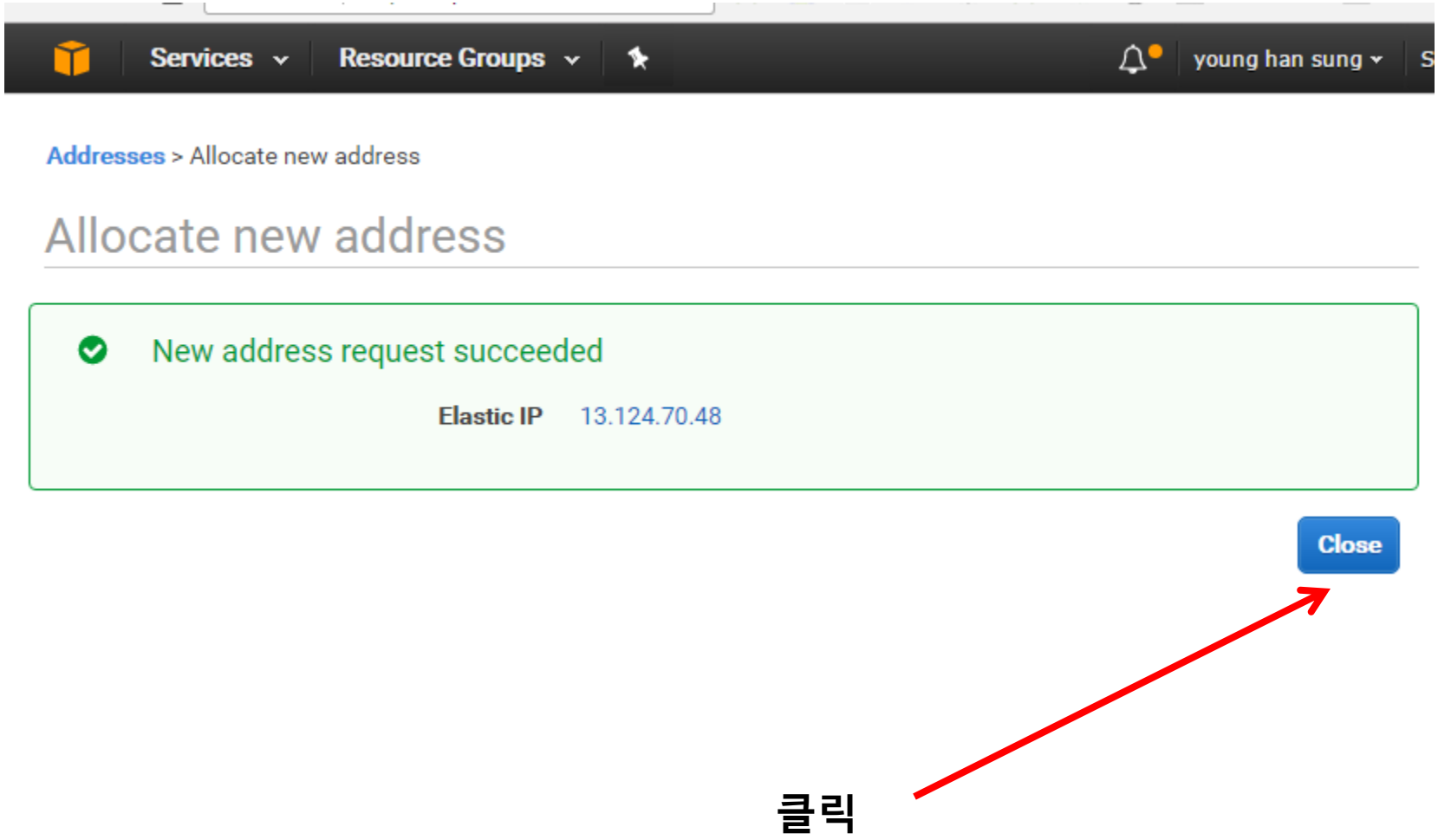
7. Elastic IP 및 도메인 설정



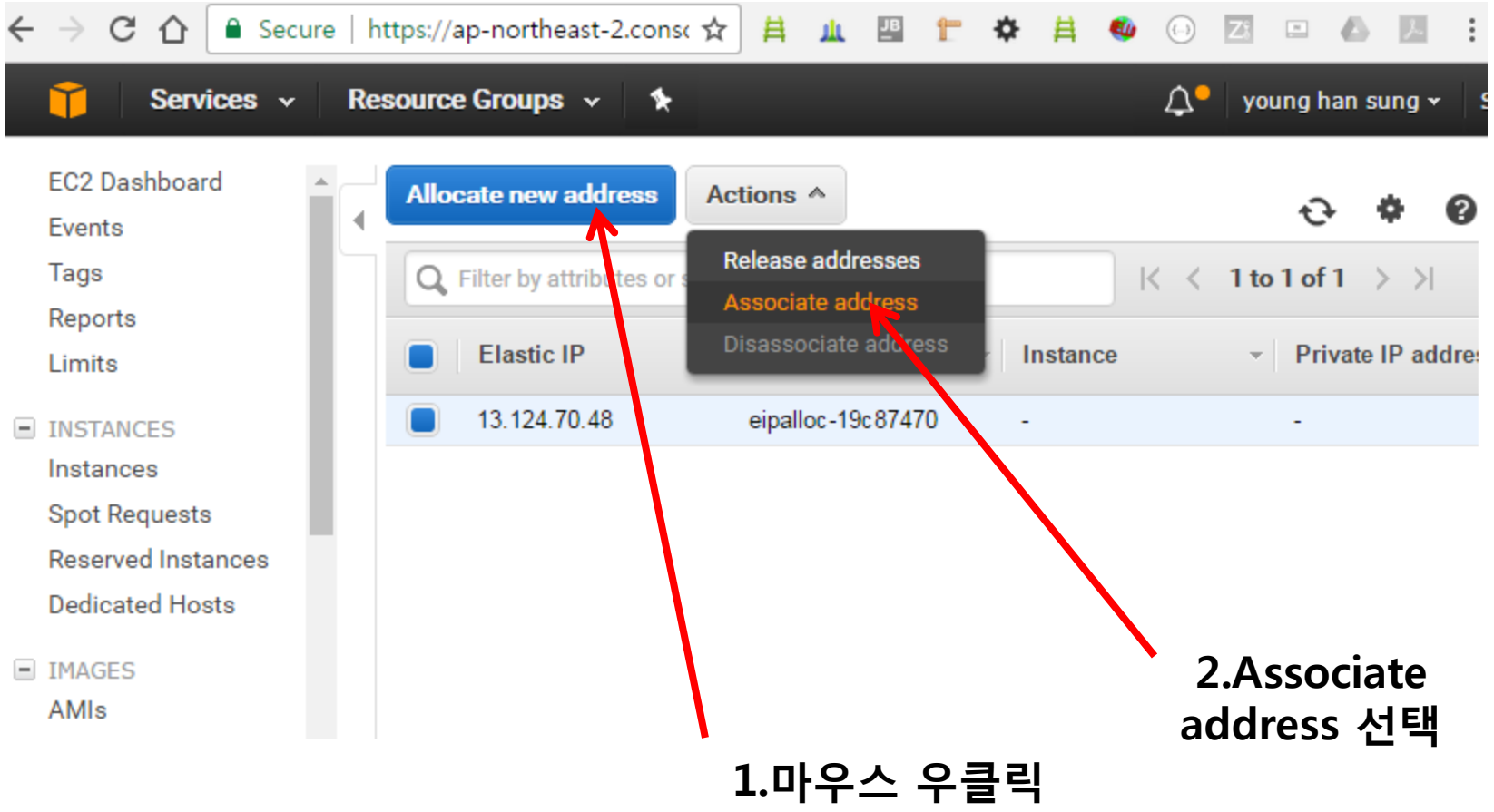
7. Elastic IP 및 도메인 설정



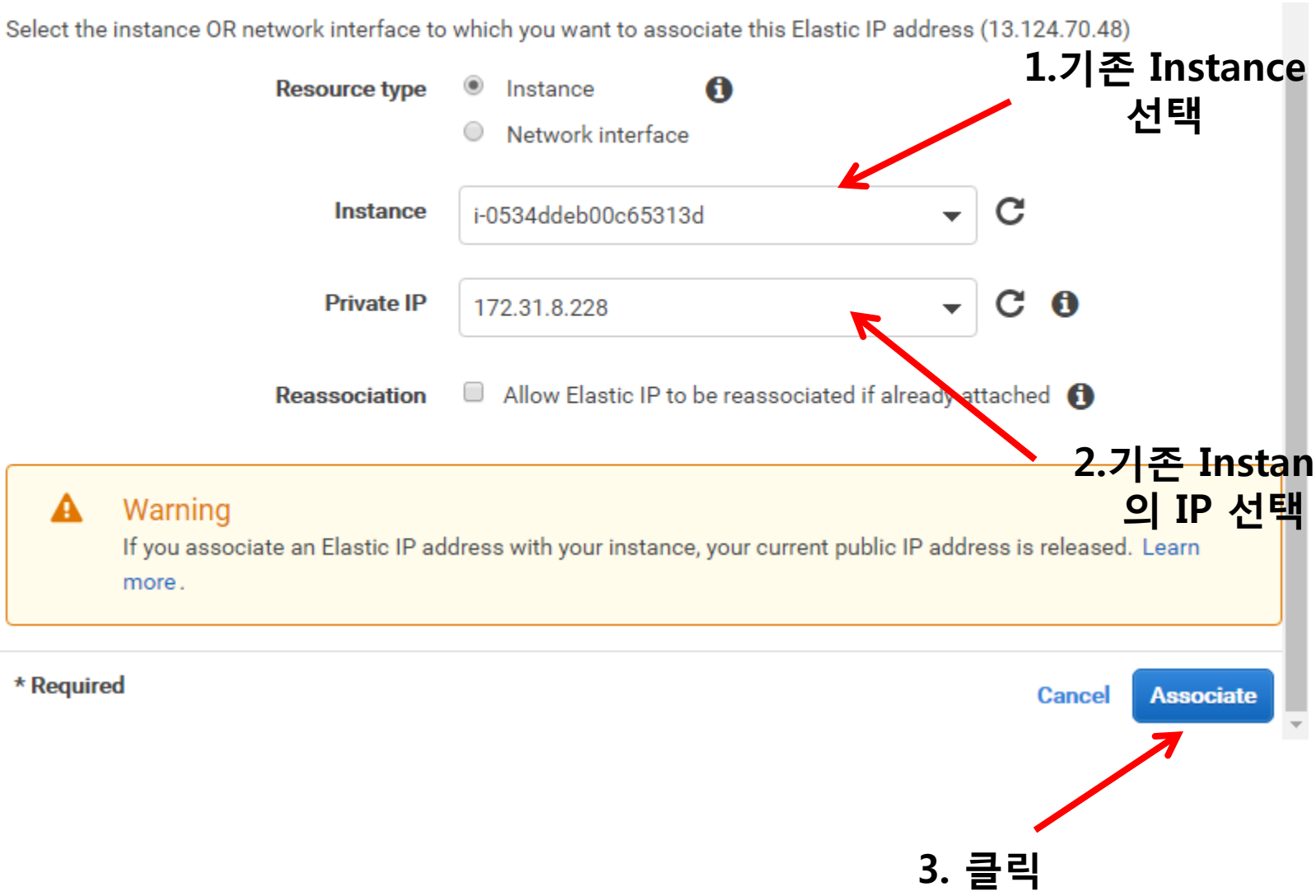
7. Elastic IP 및 도메인 설정



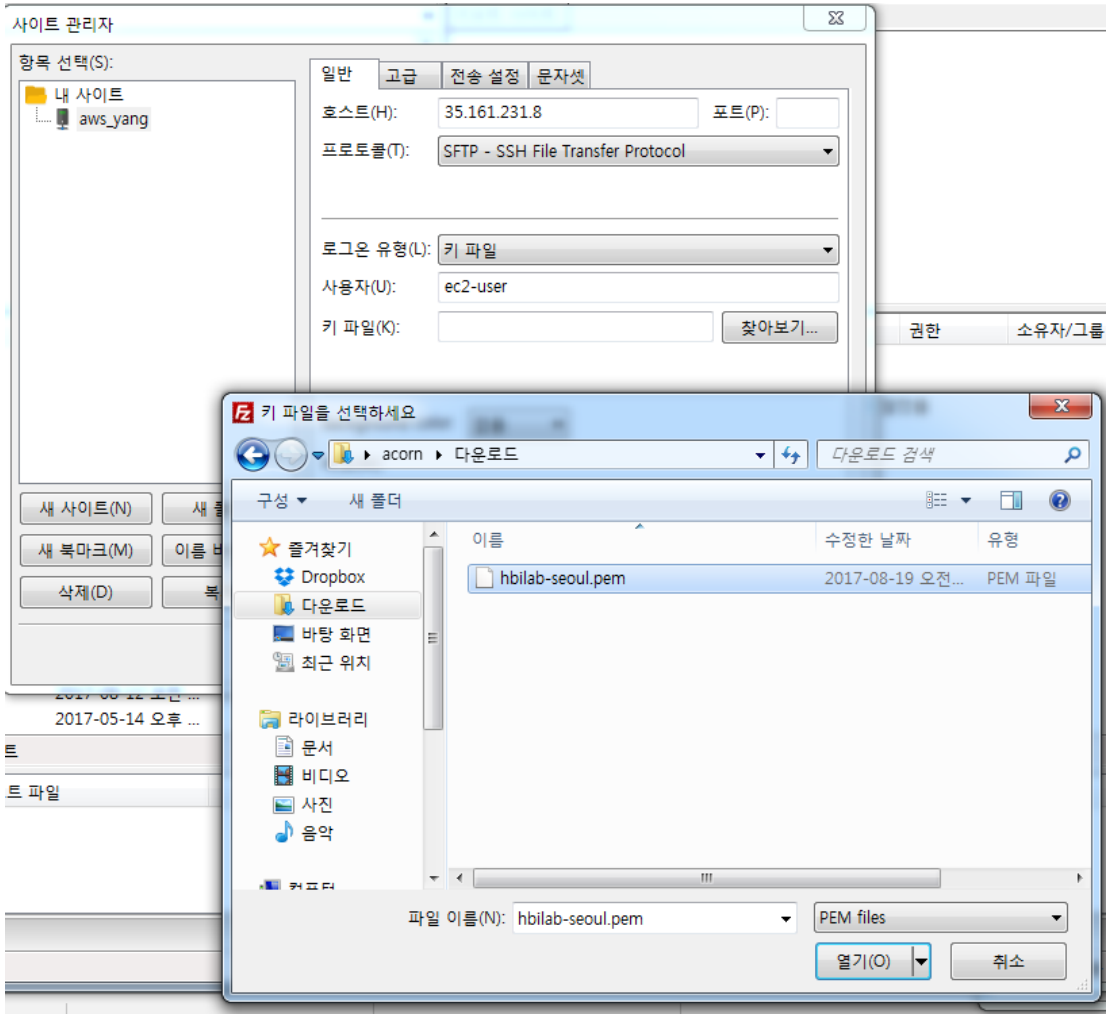
7. Elastic IP 및 도메인 설정



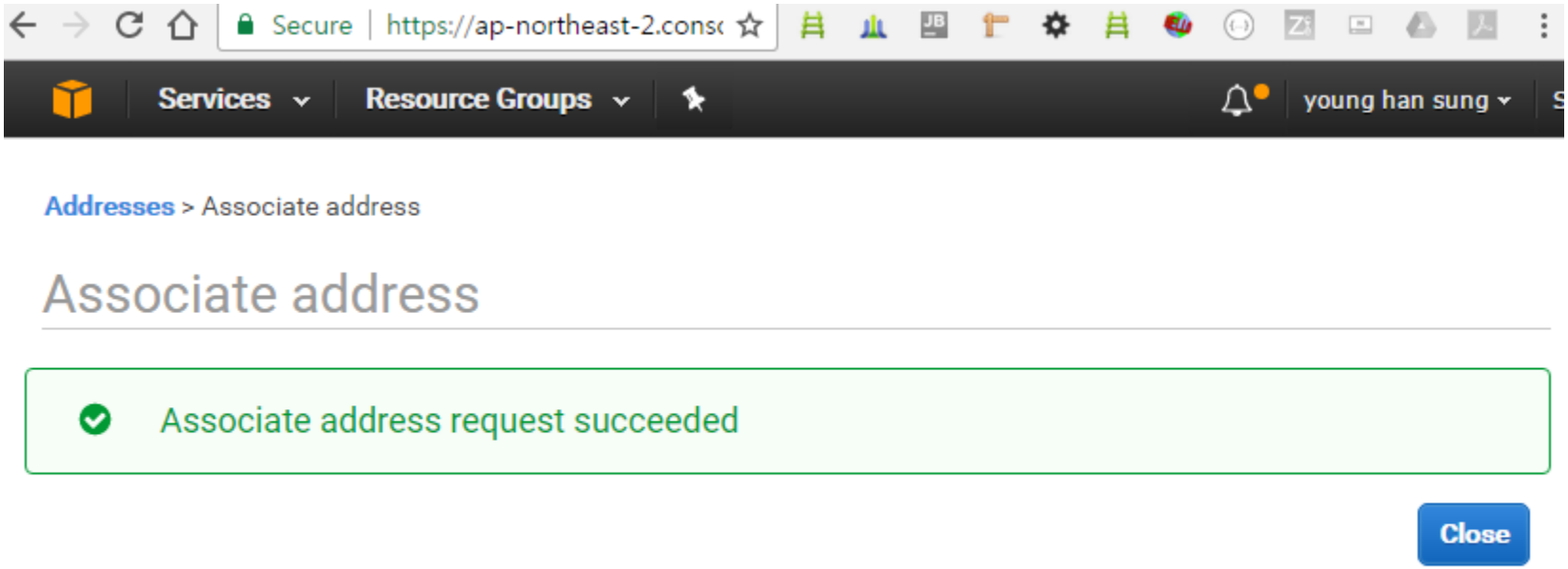
7. Elastic IP 및 도메인 설정



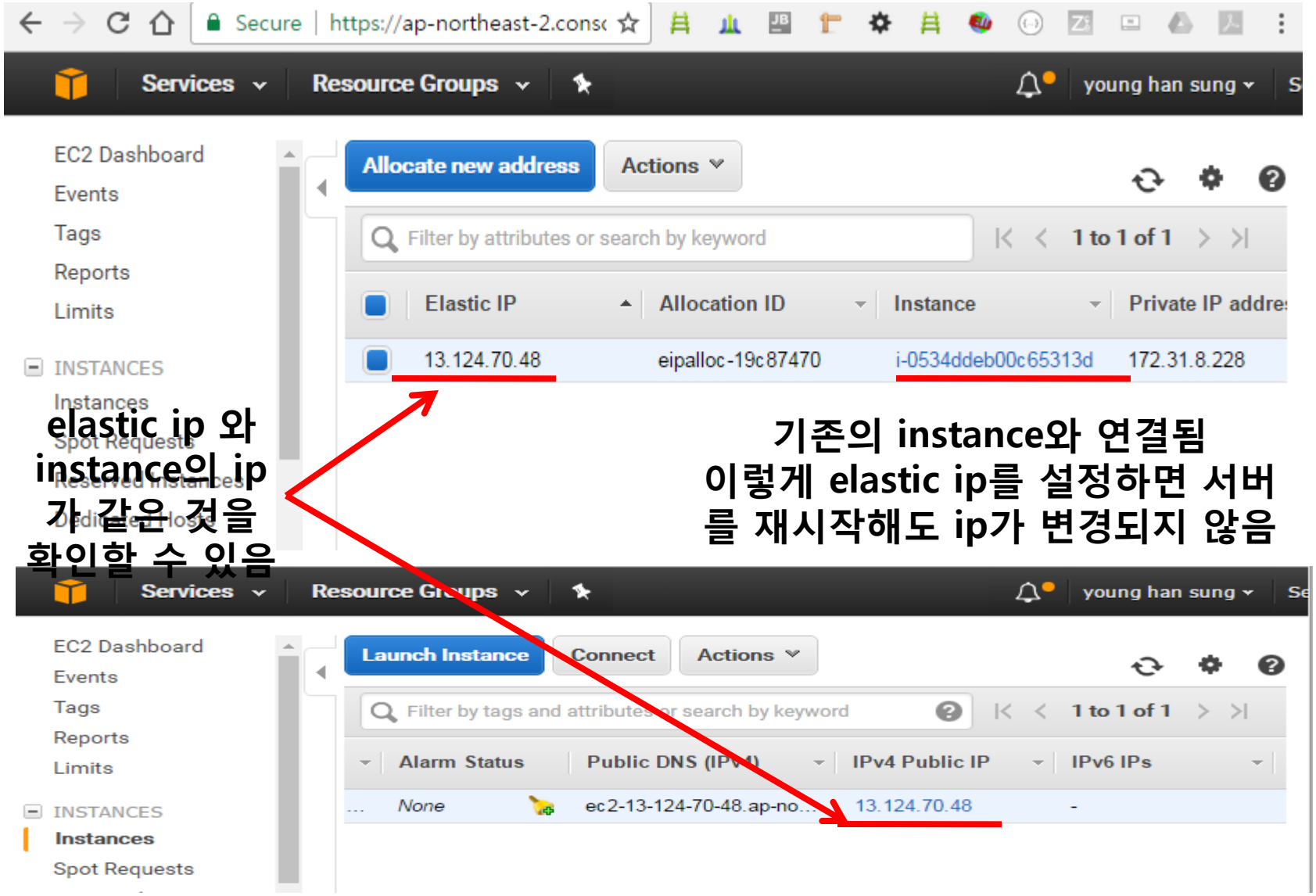
파일 질라 ftp 연결


사이트 관리자
항목 선택(S):
내 사이트
aws_yang
일반
고급
전송 설정
문자셋
호스트(H):
35.161.231.8
포트(P):
프로토콜(T):
SFTP - SSH File Transfer Protocol
로그온 유형(L):
키 파일
사용자(U):
ec2-user
키 파일(K):
찾아보기...
새 사이트(N)
새 북마크(M)
삭제(D)
권한
소유자/그룹
2017-05-14 오후 ...
키 파일을 선택하세요
acorn
다운로드
다운로드 검색
구성
새 폴더
즐겨찾기
Dropbox
다운로드
바탕 화면
최근 위치
라이브러리
문서
비디오
사진
음악
이름
수정한 날짜
유형
hbilab-seoul.pem
2017-08-19 오전...
PEM 파일
파일 이름(N):
hbilab-seoul.pem
PEM files
열기(O)
취소

7. Elastic IP 및 도메인 설정



7. Elastic IP 및 도메인 설정

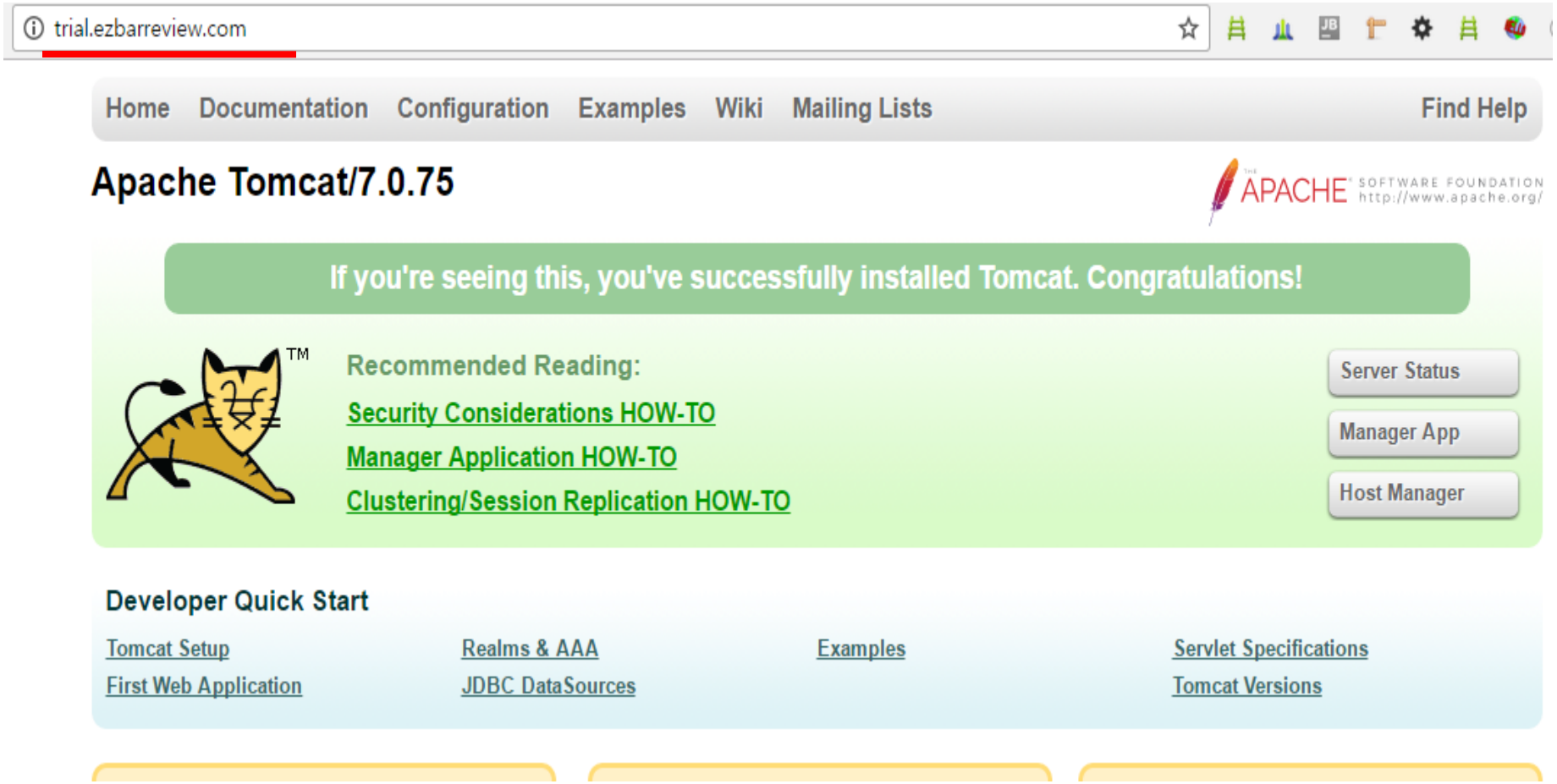


7. Elastic IP 및 도메인 설정

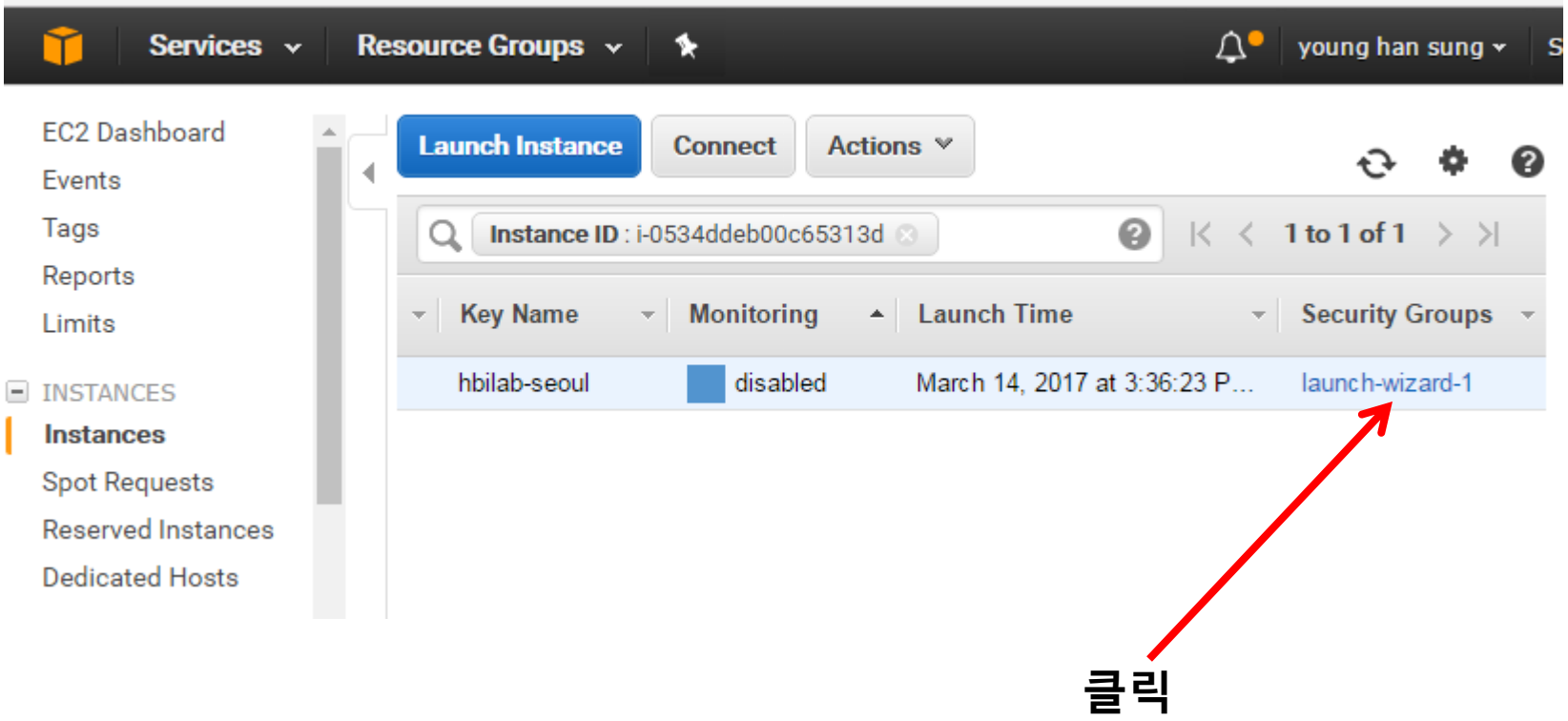
elastic ip로 설정된 ip주소를 도메인(trial.ezbarreview.com)과 연결

Whois 설정화면

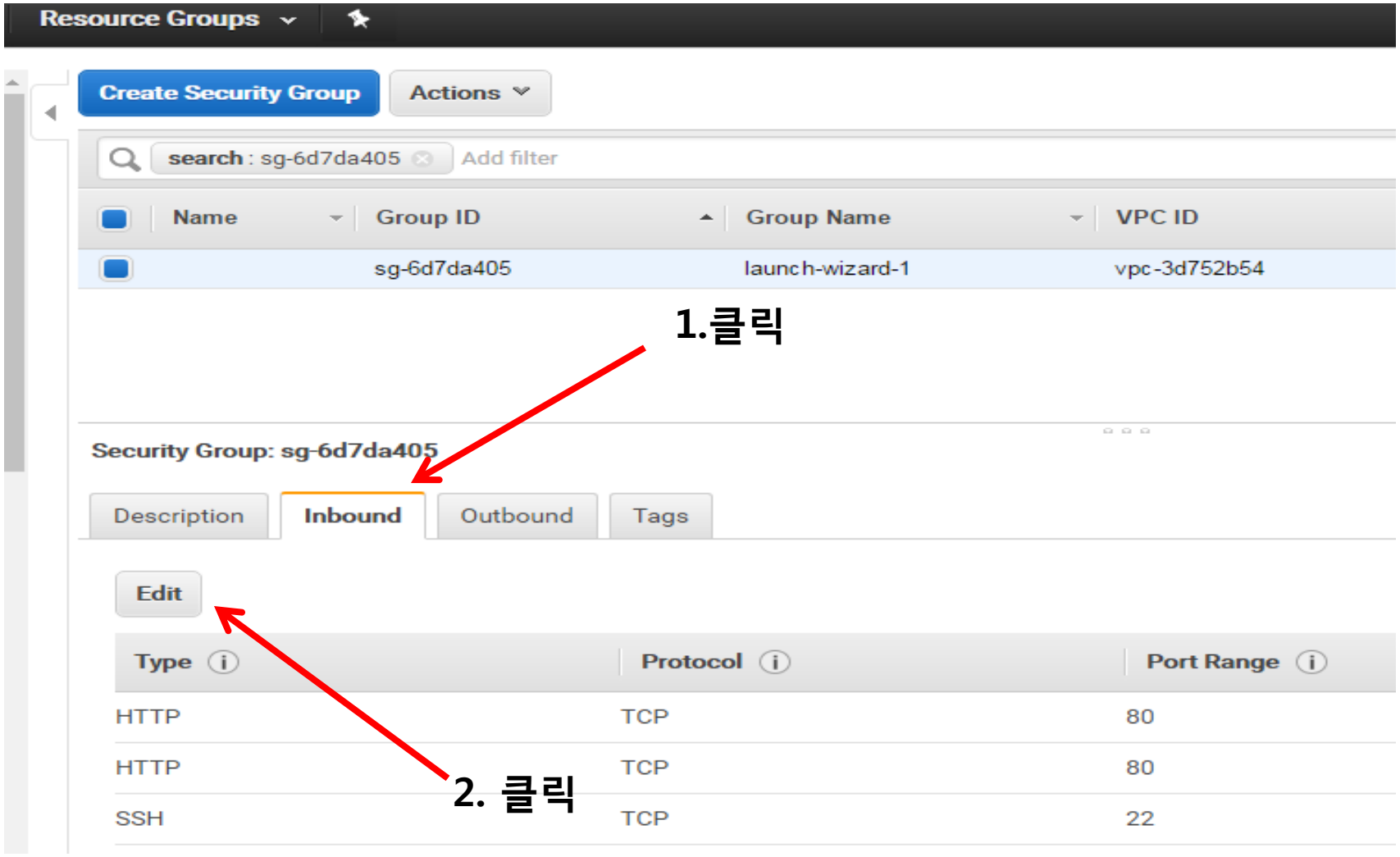
7. Elastic IP 및 도메인 설정



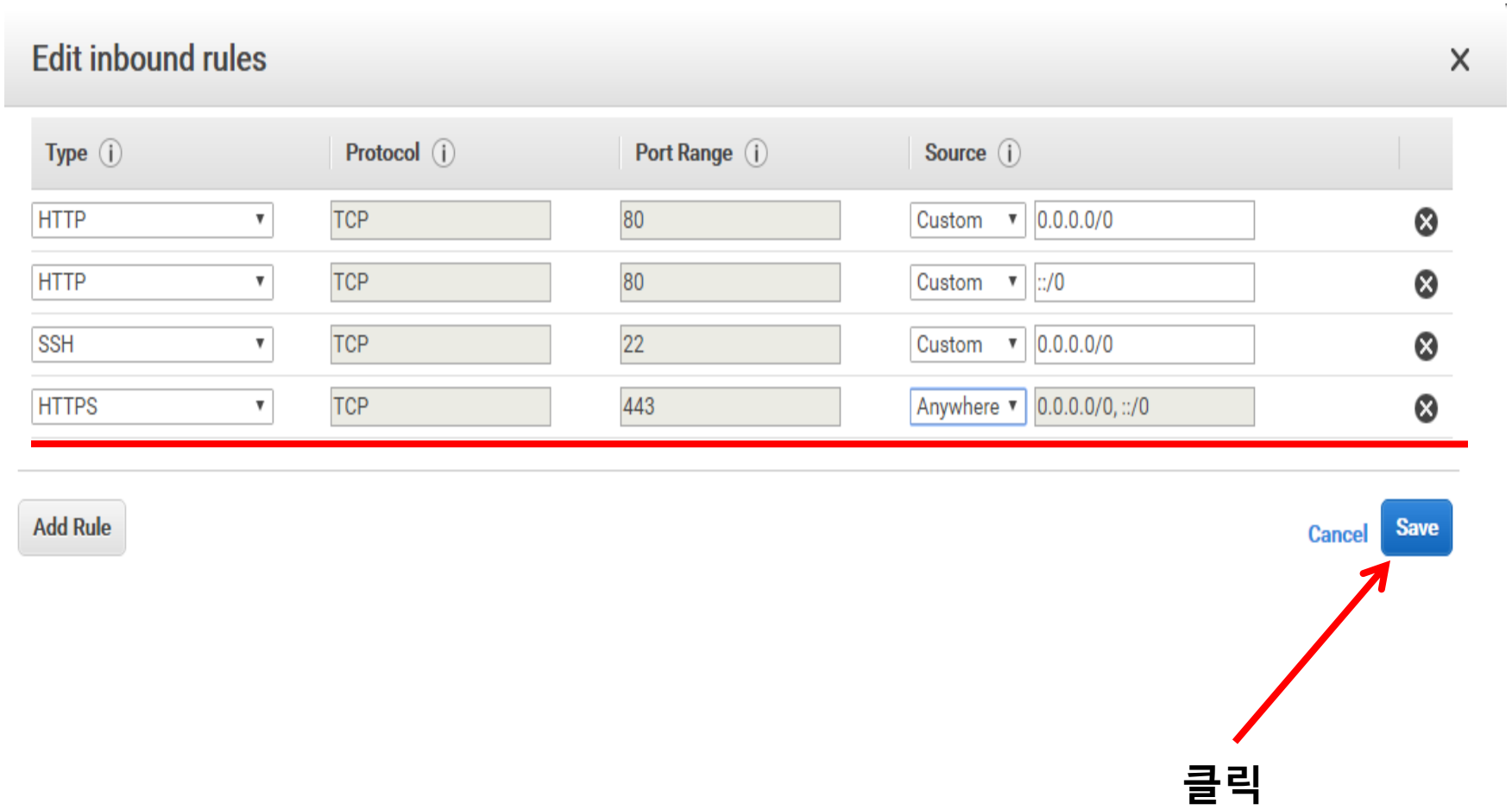
8. Https(SSL)


Services
Resource Groups
young han sung
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Dedicated Hosts
Launch Instance
Connect
Actions
Instance ID : i-0534ddeb00c65313d
1 to 1 of 1
Key Name
Monitoring
Launch Time
Security Groups
hbilab-seoul
disabled
March 14, 2017 at 3:36:23 P...
launch-wizard-1
클릭

8. Https(SSL)


Resource Groups
Create Security Group
Actions
search : sg-6d7da405
Add filter
Name
Group ID
Group Name
VPC ID
sg-6d7da405
launch-wizard-1
vpc-3d752b54
1.클릭
Security Group: sg-6d7da405
Description
Inbound
Outbound
Tags
Edit
Type
Protocol
Port Range
HTTP
TCP
80
HTTP
TCP
80
SSH
TCP
22
2. 클릭

8. Https(SSL)


Edit inbound rules
Type
Protocol
Port Range
Source
HTTP
TCP
80
Custom
0.0.0.0/0
HTTP
TCP
80
Custom
::/0
SSH
TCP
22
Custom
0.0.0.0/0
HTTPS
TCP
443
Anywhere
0.0.0.0/0, ::/0
Add Rule
Cancel
Save
클릭

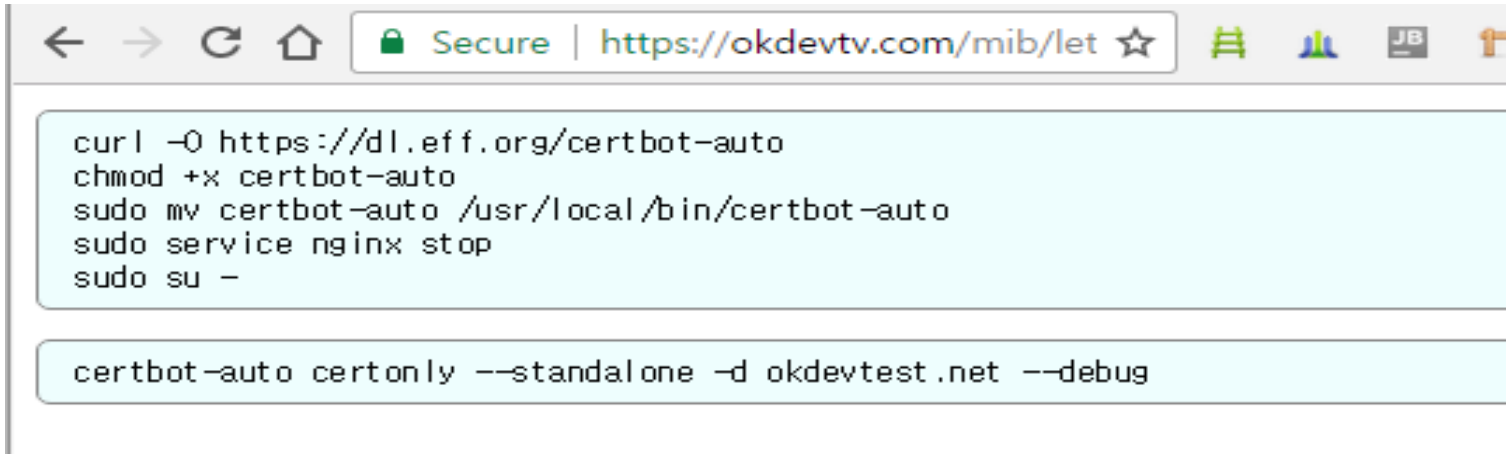
8. Https(SSL)

Description | **Inbound** | Outbound | Tags

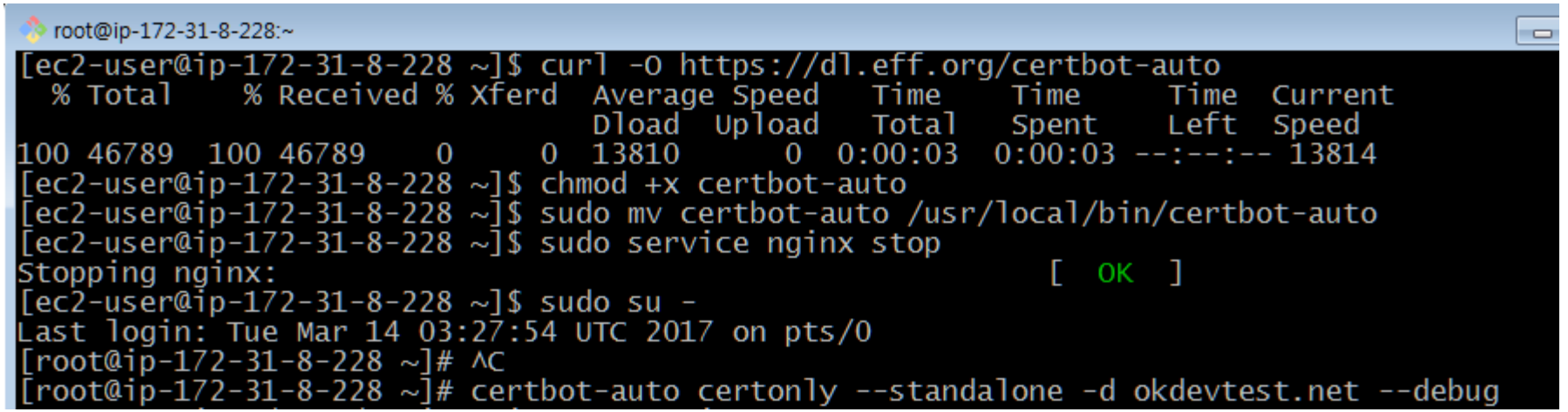
Edit

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ
HTTP	TCP	80	0.0.0.0/0
HTTP	TCP	80	::/0
SSH	TCP	22	0.0.0.0/0
HTTPS	TCP	443	0.0.0.0/0
HTTPS	TCP	443	::/0

8. Https(SSL)


Secure | https://okdevtv.com/mib/let
curl -O https://dl.eff.org/certbot-auto
chmod +x certbot-auto
sudo mv certbot-auto /usr/local/bin/certbot-auto
sudo service nginx stop
sudo su -
certbot-auto certonly --standalone -d okdevtest.net --debug

8. Https(SSL)



[ec2-user@ip-172-31-8-228 ~]$ curl -O https://dl.eff.org/certbot-auto
[ec2-user@ip-172-31-8-228 ~]$ chmod +x certbot-auto
[ec2-user@ip-172-31-8-228 ~]$ sudo mv certbot-auto /usr/local/bin/certbot-auto
[ec2-user@ip-172-31-8-228 ~]$ sudo service nginx stop
[ec2-user@ip-172-31-8-228 ~]$ sudo su –
[root@ip-172-31-8-228 ~]# certbot-auto certonly --standalone -d trial.ezbarreview.com --debug

유효기간이 3개월이기 때문에 유효기간 만기전에 빨간박스 명령어를 실행해주면 추가 3개월 연장됨

8. Https(SSL)

```
# For more information on configuration, see:
#   * Official English Documentation:
http://nginx.org/en/docs/
#   * Official Russian Documentation:
http://nginx.org/ru/docs/

user nginx;
worker_processes auto;
error_log /var/log/nginx/error.log;
pid /var/run/nginx.pid;

# Load dynamic modules. See
/usr/share/nginx/README.fedora.
include /usr/share/nginx/modules/*.conf;

events {
    worker_connections 1024;
}
```

8. Https(SSL)

```
http {
    log_format   main   '$remote_addr - $remote_user [$time_local] "$request" '
                        '$status $body_bytes_sent "$http_referer" '
                        '"$http_user_agent" "$http_x_forwarded_for"';

    access_log   /var/log/nginx/access.log   main;

    sendfile             on;
    tcp_nopush           on;
    tcp_nodelay          on;
    keepalive_timeout    65;
    types_hash_max_size 2048;

    include              /etc/nginx/mime.types;
    default_type         application/octet-stream;

    # Load modular configuration files from the /etc/nginx/conf.d directory.
    # See http://nginx.org/en/docs/ngx_core_module.html#include
    # for more information.
    include /etc/nginx/conf.d/*.conf;

    index    index.html index.htm;
```

8. Https(SSL)

```
server {
        listen       80;
        listen       [::]:80;
        server_name  ktkacademy.okdevtest.net;
        return 301 https://$host$request_uri;
        root         /usr/share/nginx/html;
        # Load configuration files for the default server block.
        include /etc/nginx/default.d/*.conf;
        location / {
                proxy_pass http://localhost:8080;
                proxy_http_version 1.1;
                proxy_set_header Upgrade $http_upgrade;
                proxy_set_header Connection 'upgrade';
                proxy_set_header Host $host;
                proxy_cache_bypass $http_upgrade;
        }
        # redirect server error pages to the static page /40x.html
        #
        error_page 404 /404.html;
            location = /40x.html {
        }
        # redirect server error pages to the static page /50x.html
        #
        error_page 500 502 503 504 /50x.html;
            location = /50x.html {
        }
    }
```

8. Https(SSL)

```
# For more information on configuration, see:
#   * Official English Documentation:
http://nginx.org/en/docs/
#   * Official Russian Documentation:
http://nginx.org/ru/docs/

user nginx;
worker_processes auto;
error_log /var/log/nginx/error.log;
pid /var/run/nginx.pid;

# Load dynamic modules. See
/usr/share/nginx/README.fedora.
include /usr/share/nginx/modules/*.conf;

events {
    worker_connections 1024;
}
```

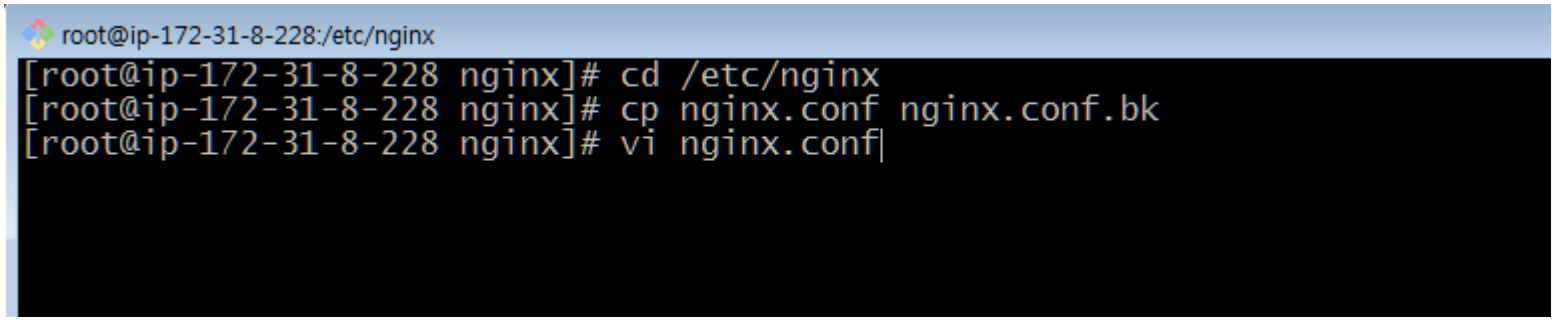
```
http {
    log_format  main  '$remote_addr -
$remote_user [$time_local] "$request" '
                      '$status $body_bytes_sent
"$http_referer" '
                      '"$http_user_agent"
"$http_x_forwarded_for"';

    access_log  /var/log/nginx/access.log  main;

    sendfile            on;
    tcp_nopush          on;
    tcp_nodelay         on;
    keepalive_timeout   65;
    types_hash_max_size 2048;

    include             /etc/nginx/mime.types;
    default_type        application/octet-stream;

    # Load modular configuration files from the
/etc/nginx/conf.d directory.
    # See
http://nginx.org/en/docs/ngx_core_module.html#
include
    # for more information.
    include /etc/nginx/conf.d/*.conf;

    index   index.html index.htm;
```

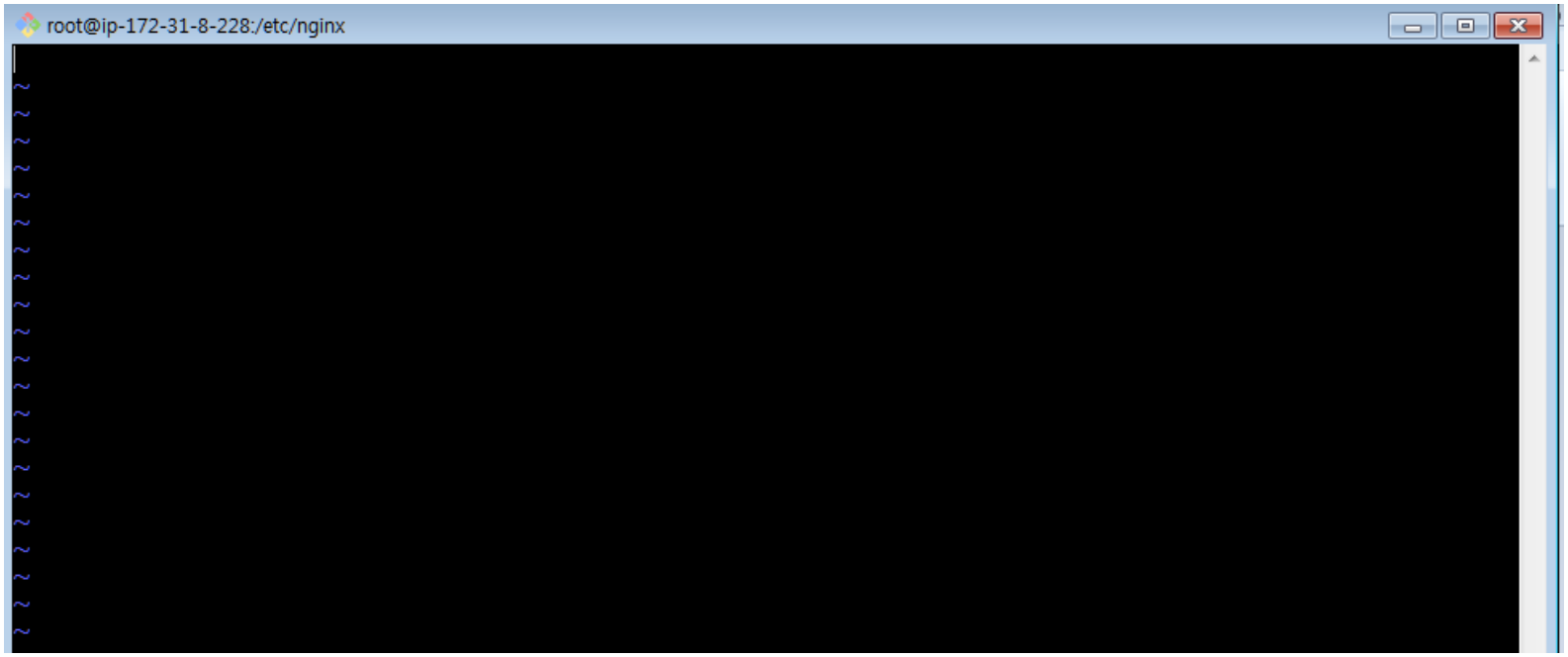
```
server {
        listen       80;
        listen       [::]:80;
        server_name  ktkacademy.okdevtest.net;
        return 301 https://$host$request_uri;



        root         /usr/share/nginx/html;

        # Load configuration files for the default
server block.
        include /etc/nginx/default.d/*.conf;

        location / {
                proxy_pass http://localhost:8080;
                proxy_http_version 1.1;
                proxy_set_header Upgrade
$http_upgrade;
                proxy_set_header Connection
'upgrade';
                proxy_set_header Host $host;
                proxy_cache_bypass $http_upgrade;
        }

        # redirect server error pages to the static
page /40x.html
        #
        error_page 404 /404.html;
            location = /40x.html {
        }

        # redirect server error pages to the static
page /50x.html
        #
        error_page 500 502 503 504 /50x.html;
            location = /50x.html {
        }

    }
```

8. Https(SSL)

```
server {
        listen 443 ssl;
        server_name ktkacademy.okdevtest.net;
        # add Strict-Transport-Security to prevent man in
the middle attacks
        add_header Strict-Transport-Security "max-
age=31536000";

        ssl_certificate
/etc/letsencrypt/live/ktkacademy.okdevtest.net/fullchai
n.pem;
        ssl_certificate_key
/etc/letsencrypt/live/ktkacademy.okdevtest.net/privkey.
pem;
        ssl_stapling on;
        ssl_stapling_verify on;
        ssl_trusted_certificate
/etc/letsencrypt/live/ktkacademy.okdevtest.net/fullchai
n.pem;
        #ssl_dhparam
/etc/letsencrypt/live/ktkacademy.okdevtest.net/dhpara
ms.pem;
        ssl_prefer_server_ciphers on;
ssl_ciphers 'ECDHE-RSA-AES128-GCM-SHA256:ECDHE-
ECDSA-AES128-GCM-SHA256:ECDHE-RSA-AES256-GCM-
SHA384:ECDHE-ECDSA-AES256-GCM-SHA384:DHE-RSA-
AES128-GCM-SHA256:DHE-DSS-AES128-GCM-
SHA256:kEDH+AESGCM:ECDHE-RSA-AES128-
SHA256:ECDHE-ECDSA-AES128-SHA256:ECDHE-RSA-
AES128-SHA:ECDHE-ECDSA-AES128-SHA:ECDHE-RSA-
AES256-SHA384:ECDHE-ECDSA-AES256-SHA384:ECDHE-
RSA-AES256-SHA:ECDHE-ECDSA-AES256-SHA:DHE-RSA-
AES128-SHA256:DHE-RSA-AES128-SHA:DHE-DSS-
AES128-SHA256:DHE-RSA-AES256-SHA256:DHE-DSS-
AES256-SHA:DHE-RSA-AES256-SHA:AES128-GCM-
SHA256:AES256-GCM-SHA384:AES128-SHA256:AES256-
SHA256:AES128-SHA:AES256-SHA:AES:CAMELLIA:DES-
CBC3-
SHA:!aNULL:!eNULL:!EXPORT:!DES:!RC4:!MD5:!PSK:!aEC
DH:!EDH-DSS-DES-CBC3-SHA:!EDH-RSA-DES-CBC3-
SHA:!KRB5-DES-CBC3-SHA';


        #charset koi8-r;
        access_log  /var/log/nginx/access.log  main;

        location / {
            proxy_pass http://127.0.0.1:8080;
            proxy_http_version 1.1;
            proxy_set_header Upgrade $http_upgrade;
            proxy_set_header Connection 'upgrade';
            proxy_set_header Host $host;
            proxy_cache_bypass $http_upgrade;
        }


        # redirect server error pages to the static page
/50x.html
        #
        error_page   500 502 503 504  /50x.html;
        location = /50x.html {
            root   /usr/share/nginx/html;
        }
    }

}
```

8. Https(SSL)





d + shift + g =>모두삭제

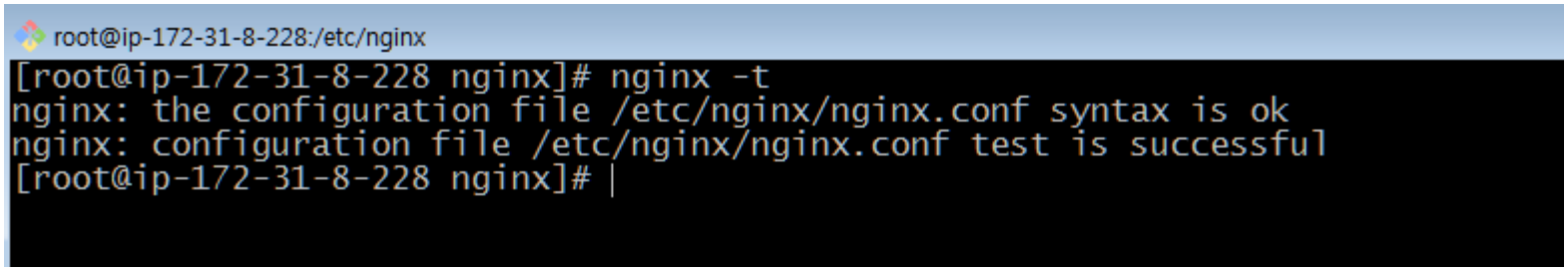
8. Https(SSL)

```
http {
    log_format  main  '$remote_addr - $remote_user [$time_local] "$request" '
                      '$status $body_bytes_sent "$http_referer" '
                      '"$http_user_agent" "$http_x_forwarded_for"';

    access_log  /var/log/nginx/access.log  main;

    sendfile            on;
    tcp_nopush          on;
    tcp_nodelay         on;
    keepalive_timeout   65;
    types_hash_max_size 2048;

:%s/ktkacademy.okdevtest.net/trial.ezbarreview.com/g
```

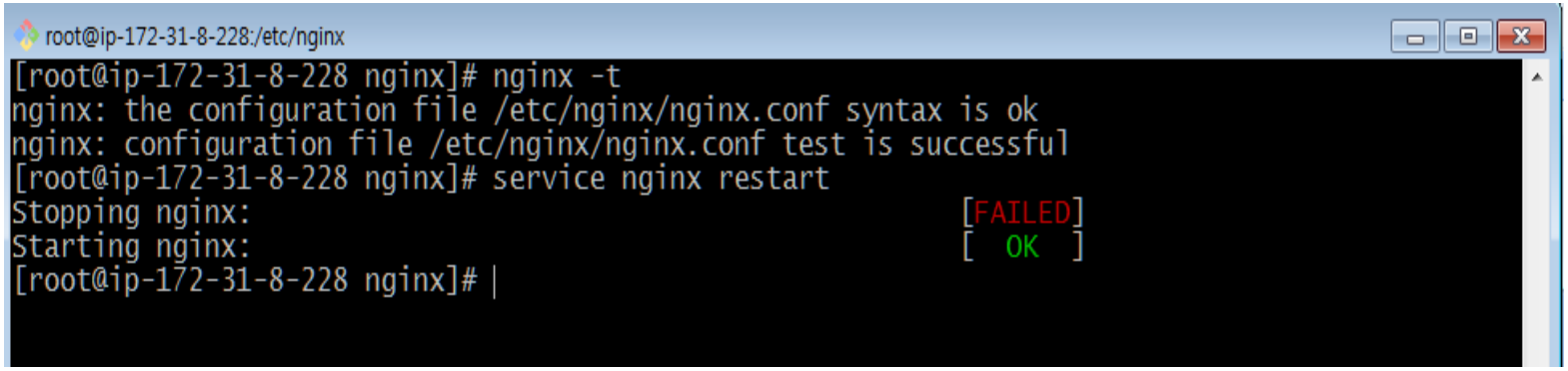
문서를 붙여 넣은 후 아래의 명령어를 실행하여 문자열을 교체함

:%s/ktkacademy.okdevtest.net/trial.ezbarreview.com/g

8. Https(SSL)

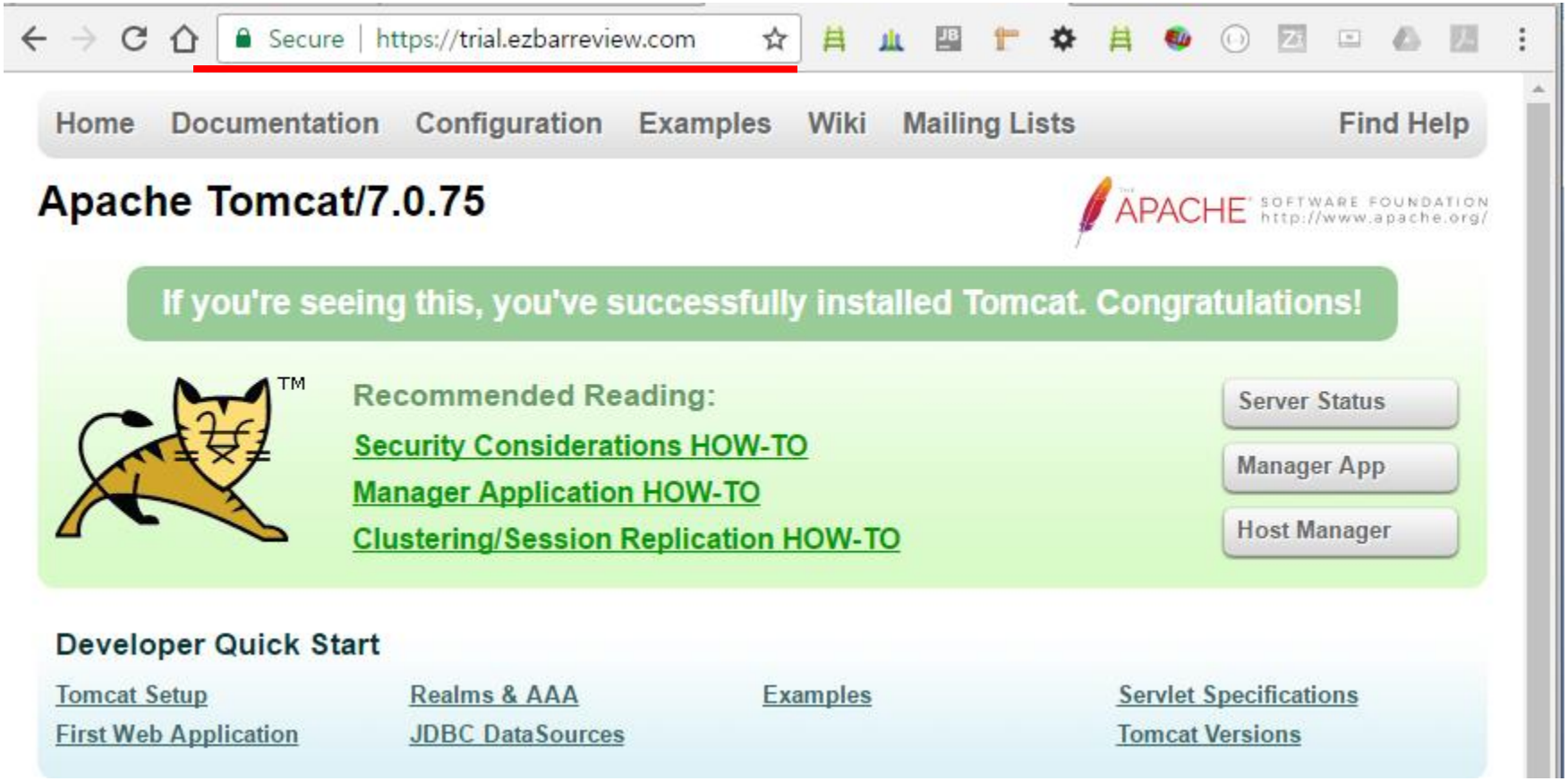


[root@ip-172-31-8-228 nginx]# nginx –t
실행하여 설정파일이 잘 수정되었는지 확인함

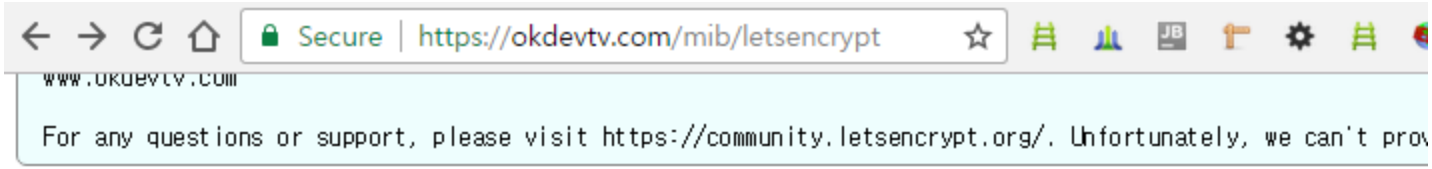


[root@ip-172-31-8-228 nginx]# service nginx restart

8. Https(SSL)


Secure | https://trial.ezbarreview.com
Home
Documentation
Configuration
Examples
Wiki
Mailing Lists
Find Help
Apache Tomcat/7.0.75
APACHE SOFTWARE FOUNDATION http://www.apache.org/
If you're seeing this, you've successfully installed Tomcat. Congratulations!
Recommended Reading:
Security Considerations HOW-TO
Manager Application HOW-TO
Clustering/Session Replication HOW-TO
Server Status
Manager App
Host Manager
Developer Quick Start
Tomcat Setup
First Web Application
Realms & AAA
JDBC DataSources
Examples
Servlet Specifications
Tomcat Versions

8. Https(SSL)



nginx update expiry

```
service nginx stop
./letsencrypt-auto certonly --renew-by-default -a standalone -d okdevtest.net -d www.okdevtest.net
service nginx start
```

- 무중단 갱신 가능 : http://www.phpschool.com/gnuboard4/bbs/board.php?bo_table=tipntecl
  - thanks to @shjxenoside

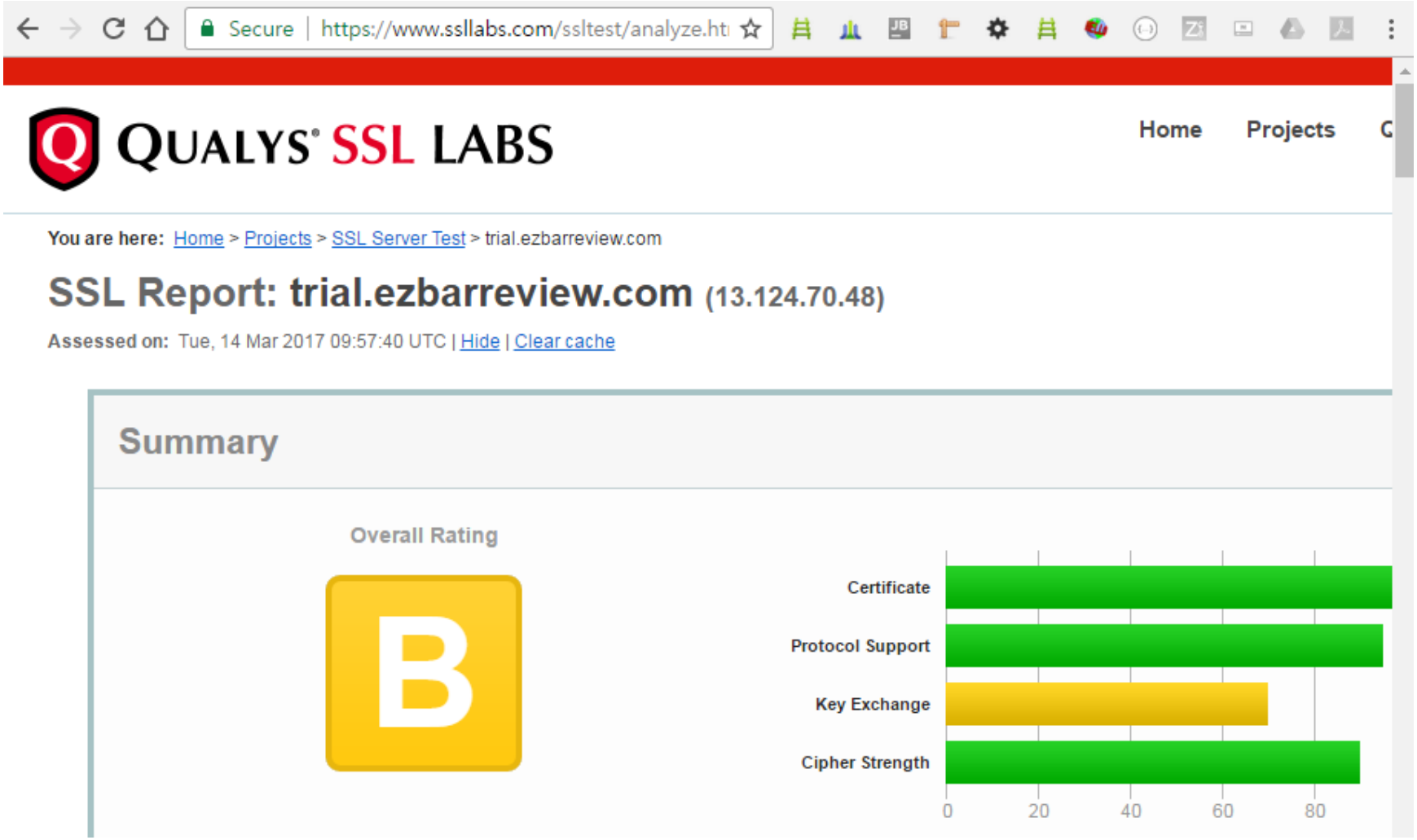
참고

- SSL Test
  - https://www.ssllabs.com/ssltest/analyze.html

8. Https(SSL)

https://www.ssllabs.com/ssltest/analyze.html

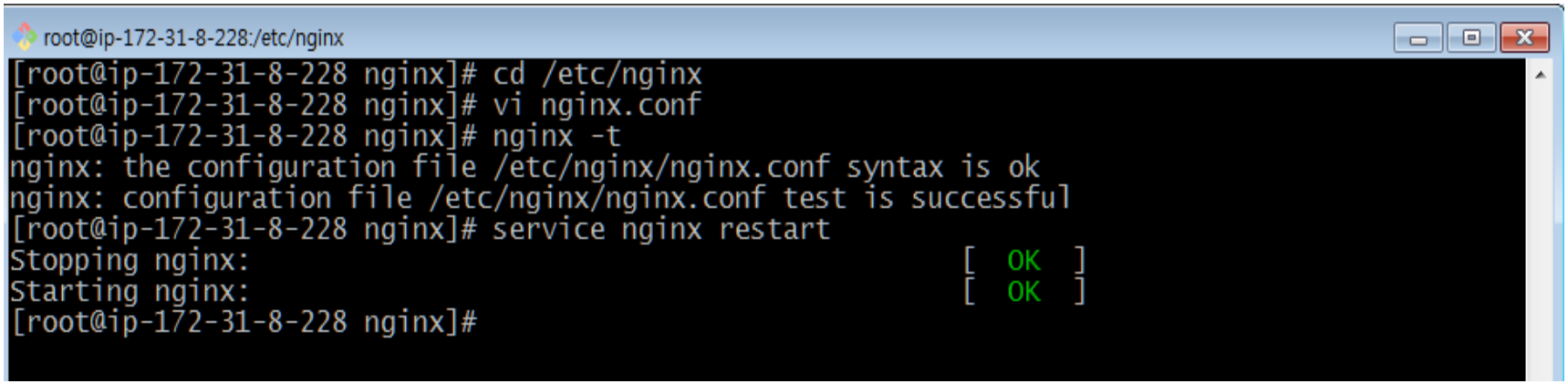
8. Https(SSL)


Secure | https://www.ssllabs.com/ssltest/analyze.ht
QUALYS® SSL LABS
Home
Projects
You are here: Home > Projects > SSL Server Test > trial.ezbarreview.com
SSL Report: trial.ezbarreview.com (13.124.70.48)
Assessed on: Tue, 14 Mar 2017 09:57:40 UTC | Hide | Clear cache
Summary
Overall Rating
B
Certificate
Protocol Support
Key Exchange
Cipher Strength
0
20
40
60
80

8. Https(SSL)

[root@ip-172-31-8-228 nginx]# cd /etc/letsencrypt/archive/trial.ezbarreview.com/
[root@ip-172-31-8-228 trial.ezbarreview.com]# openssl dhparam -out dhparams.pem 2048
[root@ip-172-31-8-228 trial.ezbarreview.com]# cd /etc/letsencrypt/live/trial.ezbarreview.com/
[root@ip-172-31-8-228 trial.ezbarreview.com]# ln -s ../../archive/trial.ezbarreview.com/dhparams.pem dhparams.pem

8. Https(SSL)

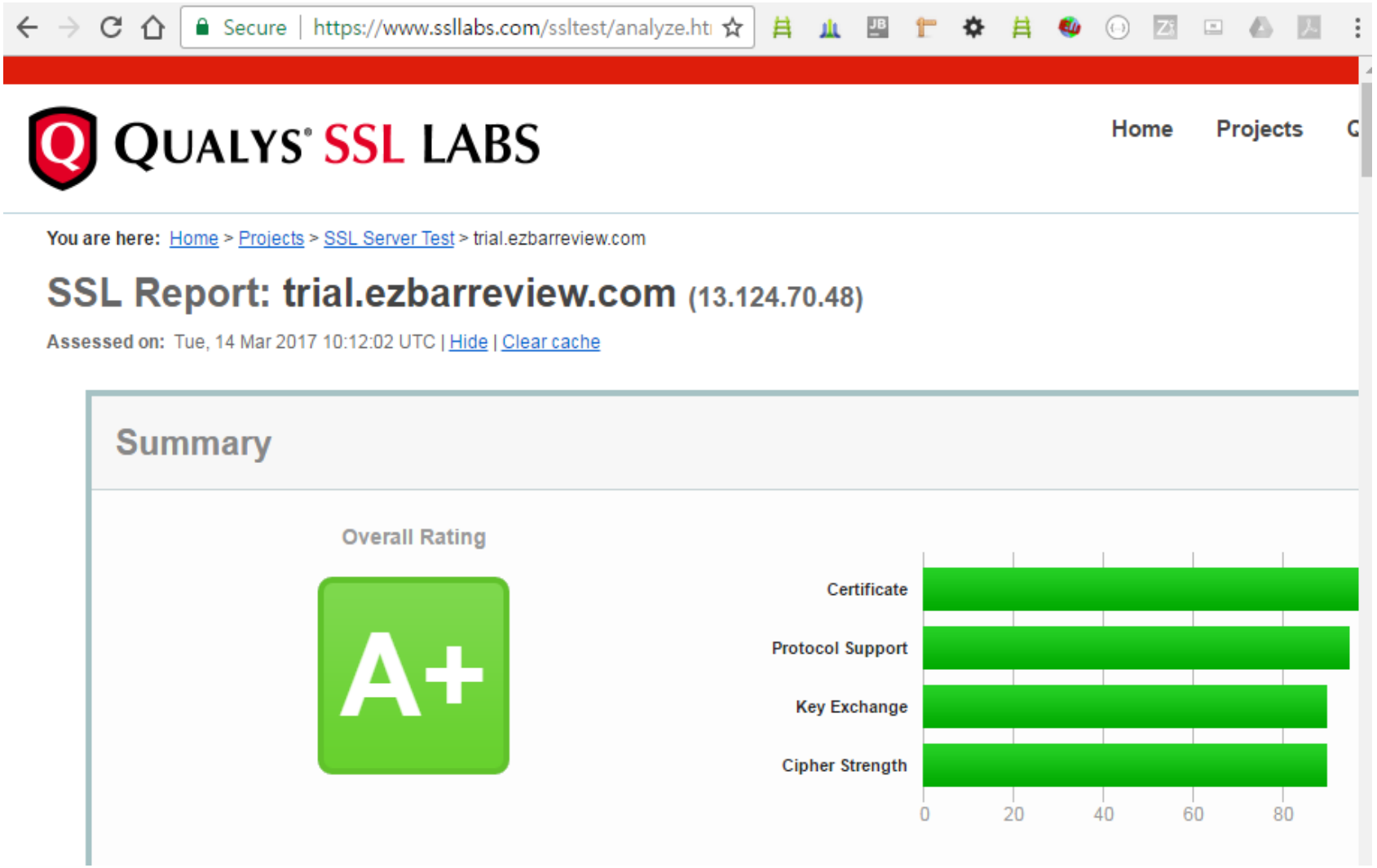


]vi /etc/nginx/nginx.conf 파일 수정

#ssl_dhparam
/etc/letsencrypt/live/trial.ezbarreview.com/dhparams.pem;

주석 제거
]nginx –t
]service nginx restart

8. Https(SSL)


Secure
https://www.ssllabs.com/ssltest/analyze.ht
QUALYS SSL LABS
Home
Projects
You are here: Home > Projects > SSL Server Test > trial.ezbarreview.com
SSL Report: trial.ezbarreview.com (13.124.70.48)
Assessed on: Tue, 14 Mar 2017 10:12:02 UTC | Hide | Clear cache
Summary
Overall Rating
A+
Certificate
Protocol Support
Key Exchange
Cipher Strength
0
20
40
60
80

설치위치

Tomcat 설치위치 : /opt/tomcat7(ec2-user 사용자로 설치)
Nginx 설치위치 : /etc/nginx(root 사용자로 설치)

> 인증서 만료시 갱신방법
>sudo su –
>service nginx stop
>certbot-auto certonly --renew-by-default -a standalone -d www.easybarreview.com -d easybarreview.com -d trial.easybarreview.com
>service nginx start