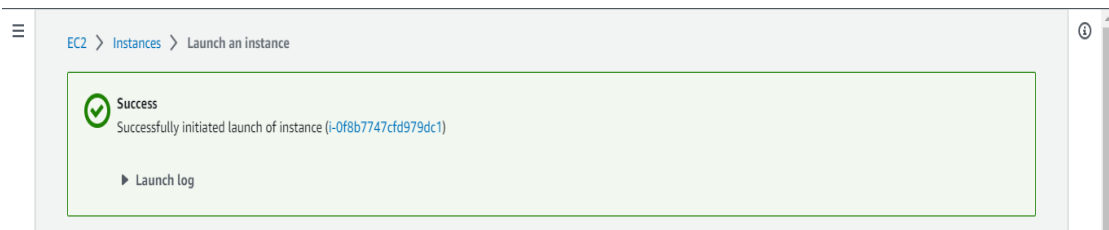# ASSIGNMENT NO-12

Problem Statement:- **Deploy and run project in aws without using port.**

Steps:-

1. **Sign in.** Sign in to your **GitHub and AWS account**.
2. Create an **EC2 instance** and give the commands in the advance details section.

3. Copy public IPv4 address(ex-65.2.126.120) and paste it on Bitvise SSH Client.Give username Ubuntu, initial method publickey, in client key manager import that same existed key pair .pem file(ex-key003.pem) and click Global1 in Client key and click log in.
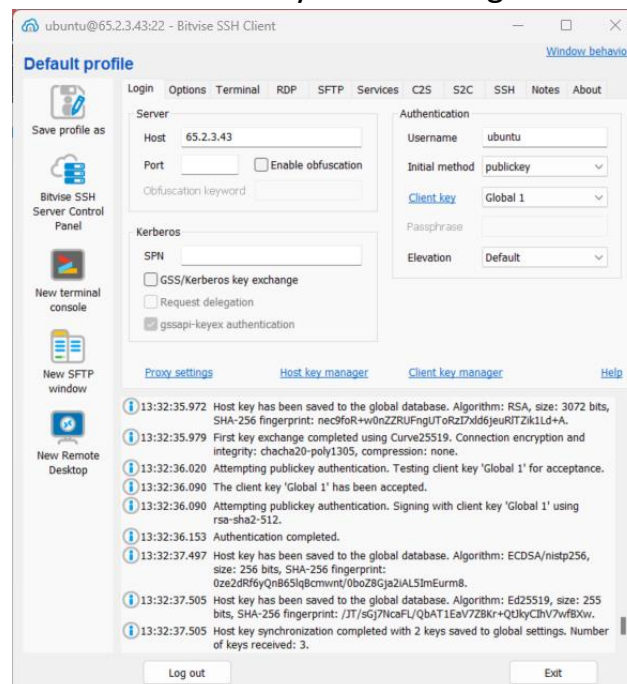
4. Click on new terminal console to open the terminal and write the following commands:-

      i) At first to check the directory type **pwd** after that type **cd/** to change the directory to root.

```
ubuntu@ip-172-31-46-42:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-46-42:~$ cd/
-bash: cd/: No such file or directory
ubuntu@ip-172-31-46-42:~$ cd /
ubuntu@ip-172-31-46-42:/$ pwd
/
```

      ii) After that we change the directory to **etc/nginx/sites-available/**.
      After that type **sudo nano default** and change the location section.

```
ubuntu@ip-172-31-46-42:/$ cd /etc/nginx/sites-available/
ubuntu@ip-172-31-46-42:/etc/nginx/sites-available$ sudo nano default
```

      iii) Commend the default location section and type this location portion:-

         location / {
            proxy_pass http://localhost:3000;
            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;
         }

After typing this save it.

```
  GNU nano 6.2                              default
      #
      # Read up on ssl_ciphers to ensure a secure configuration.
      # See: https://bugs.debian.org/765782
      #
      # Self signed certs generated by the ssl-cert package
      # Don't use them in a production server!
      #
      # include snippets/snakeoil.conf;

      root /var/www/html;

      # Add index.php to the list if you are using PHP
      index index.html index.htm index.nginx-debian.html;

      server_name _;

#     location / {
              # First attempt to serve request as file, then
              # as directory, then fall back to displaying a 404.
#             try_files $uri $uri/ =404;
#     }
      location / {
              proxy_pass http://localhost:3000;
              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;
      }
      # pass PHP scripts to FastCGI server
      #
                                                                    Activa
^G Help        ^O Write Out  ^W Where Is   ^K Cut       ^T Execute   ^C Location   M-U Undo  Go to S
^X Exit        ^R Read File  ^\ Replace    ^U Paste     ^J Justify   ^/ Go To Line M-E Redo
```
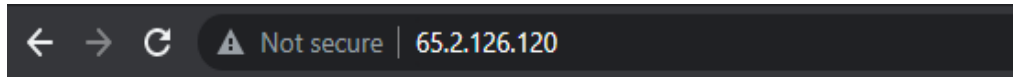
iv) After that type sudo systemctl restart nginx to restart the server.

```
ubuntu@ip-172-31-46-42:/etc/nginx/sites-available$ sudo nano default
ubuntu@ip-172-31-46-42:/etc/nginx/sites-available$ sudo systemctl restart nginx
```

5. Now copy the same IPv4 address and paste it in a new browser tab.

← → C ⚠ Not secure | 65.2.126.120

Hello Dipanjan Mahata