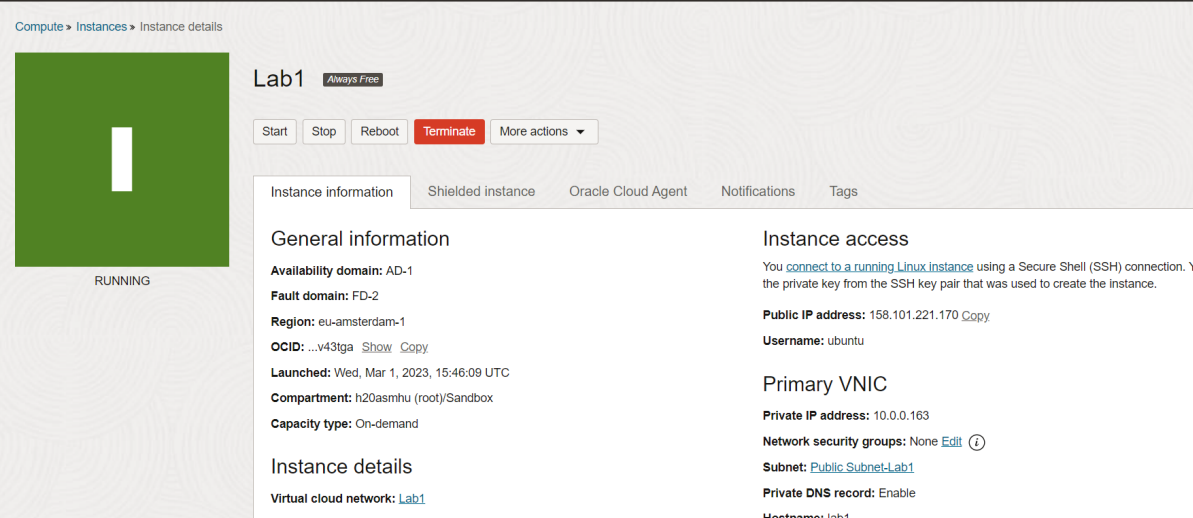


## 1.1 Compute



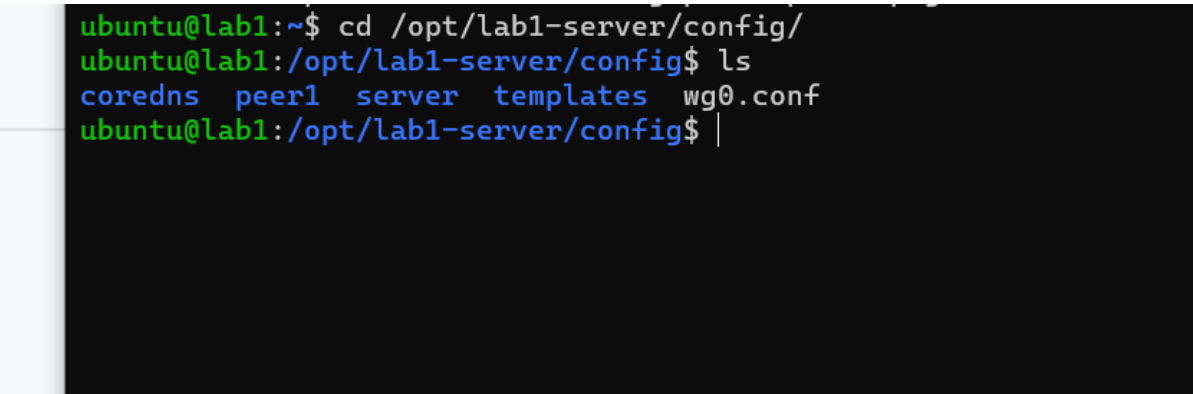
The screenshot shows the Oracle Cloud console interface for an instance named 'Lab1'. The instance is in a 'RUNNING' state, indicated by a green square icon. The console displays various tabs for instance management: Start, Stop, Reboot, Terminate, and More actions. Below these are tabs for Instance information, Shielded instance, Oracle Cloud Agent, Notifications, and Tags. The 'Instance information' tab is active, showing details such as Availability domain (AD-1), Fault domain (FD-2), Region (eu-amsterdam-1), OCID, Launch time, Compartment, and Capacity type. The 'Instance access' section provides instructions on how to connect to the instance via SSH, along with the Public IP address (158.101.221.170) and Username (ubuntu). The 'Primary VNIC' section shows the Private IP address (10.0.0.163) and Network security groups. The 'Instance details' section shows the Virtual cloud network (Lab1).

```
ubuntu@lab1:/opt/lab1-server/config/peer1$ exit
logout
Connection to 158.101.221.170 closed.
PS C:\Users\Asma> ssh -i C:\Users\Asma\OneDrive\Skrivbord\N_CloudKurs\privateKey\ssh-key-2023-03-01.key ubuntu@158.101.221.170
Welcome to Ubuntu 18.04.6 LTS (GNU/Linux 5.4.0-1092-oracle x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

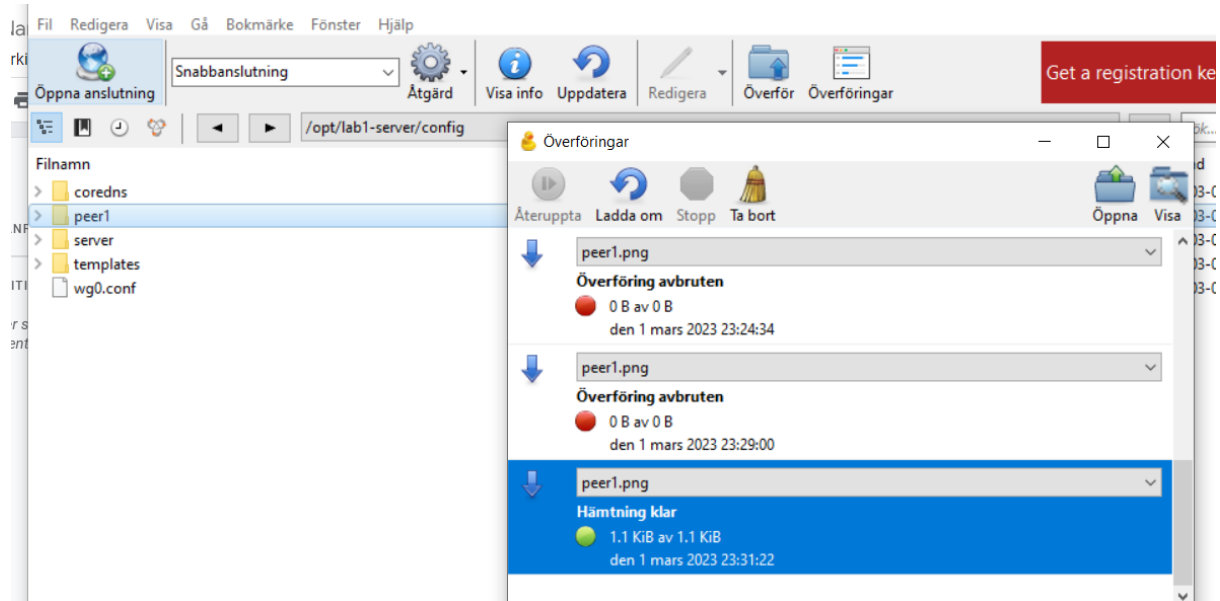
System information as of Wed Mar  1 22:30:26 UTC 2023
```

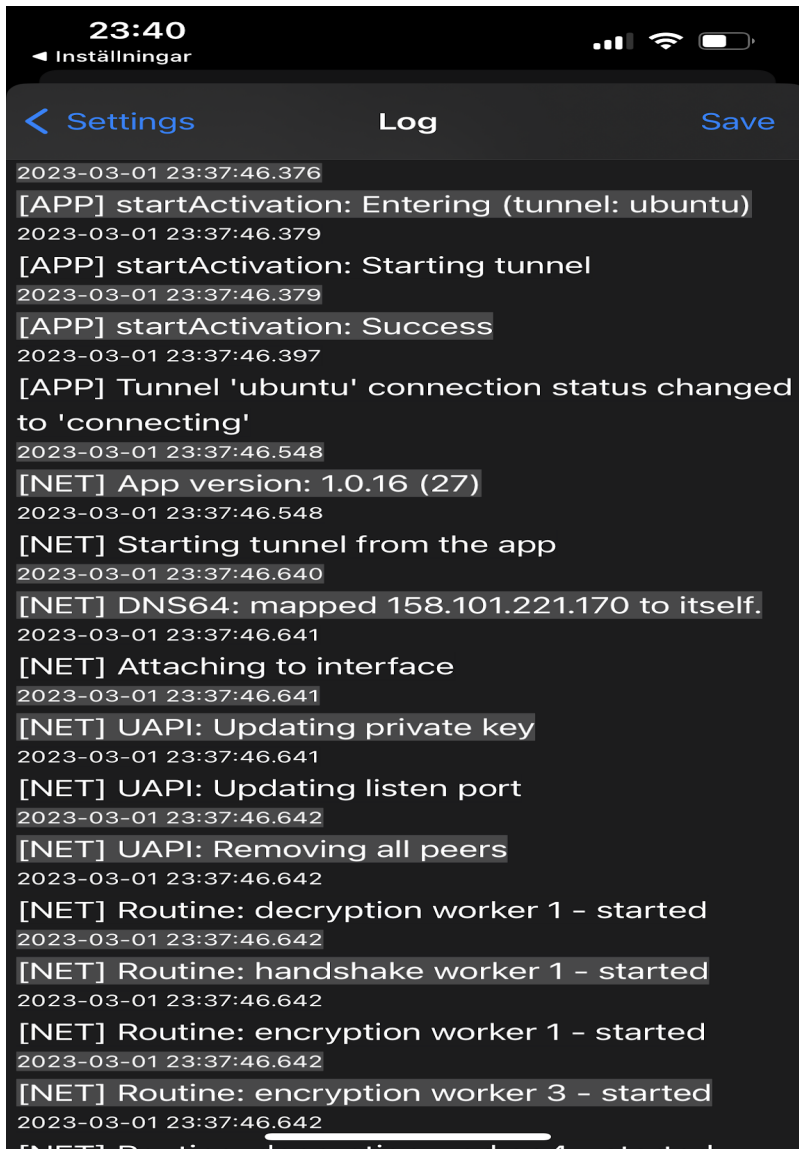
## 1.2 Docker/Podman WireGuard Remote Access VPN



The screenshot shows a terminal window with the following commands and output:

```
ubuntu@lab1:~$ cd /opt/lab1-server/config/
ubuntu@lab1:/opt/lab1-server/config$ ls
coredns peer1 server templates wg0.conf
ubuntu@lab1:/opt/lab1-server/config$ |
```





Find out what your public IPv4 and IPv6 address is revealing about you! My IP address informs you of your IP location; city, region, country, ...

IP Lookup

Without IP Addresses, the..

What's my IP

91.195.224.174

Your public IP address

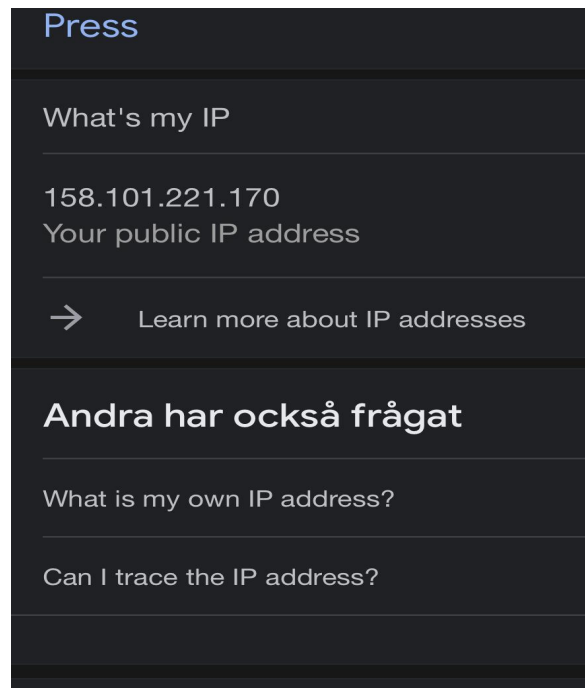


Learn more about IP addresses



whatismyip.com

<https://www.whatismyip.com>



## 1.3 Docker/Podman CMS/Blogg/Webbsida via Lastbalanserare

```
*** System restart required ***
Last login: Thu Mar  2 18:47:45 2023 from 83.255.167.103
ubuntu@lab1:~$ cd /opt/wordpress/
ubuntu@lab1:/opt/wordpress$ ls
docker-compose.yaml
ubuntu@lab1:/opt/wordpress$ docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS
a9d7ce43d500   portainer/portainer-ce:latest       "/portainer -H unix:..." 7 hours ago    Up 7 hours
.0.0.0:9000->9000/tcp, :::9000->9000/tcp   portainer
ubuntu@lab1:/opt/wordpress$ vim docker-compose.yaml
ubuntu@lab1:/opt/wordpress$ docker-compose up -d
Creating volume "wordpress_wordpress" with default driver
Creating volume "wordpress_db" with default driver
Pulling wordpress (wordpress:...)...
latest: Pulling from library/wordpress
3f9582a2cbe7: Pull complete
0b95dc92ce55: Pull complete
3630ff9f8131: Pull complete
49efbc577363: Pull complete
d6083c3e2063: Pull complete
abe8d2406c31: Pull complete
c7668948e14a: Pull complete
c7e93886e496: Pull complete
Digest: sha256:d6c8301b7834c5b9c2b733b10b7e630f441af7bc917c74dba379f24eeeb6a313
Status: Downloaded newer image for mysql/mysql-server:latest
Creating wordpress_db_1    ... done
Creating wordpress_wordpress_1 ... done
ubuntu@lab1:/opt/wordpress$ |
```

```
ubuntu@lab1: /opt/wordpress × + v
version: '3.1'

services:

  wordpress:
    image: wordpress
    restart: always
    ports:
      - 8080:80
    environment:
      WORDPRESS_DB_HOST: db
      WORDPRESS_DB_USER: exampleuser
      WORDPRESS_DB_PASSWORD: examplepass
      WORDPRESS_DB_NAME: exampledb
    volumes:
      - wordpress:/var/www/html

  db:
    image: mysql/mysql-server:latest
    restart: always
```

