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## Everton Araújo

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# Install SonaType Nexus 3 On Ubuntu 20.04 LTS



Everton Araújo Aug 14 · 3 min read

I was reading several tutorials about him, I made several attempts, I was beaten all the time and I will show you the way it should be.

### Mandatory Packages

OpenJDK 1.8

Before install Java

```
sudo apt-get install openjdk-8-jdk
```

```
sudo apt-get update
```

### Java

```
sudo apt-get install openjdk-8-jdk
```

Execute the below commands — navigate to /opt directory by changing directory:

## Download Nexus

<http://download.sonatype.com/nexus/3/nexus-3.22.0-02-unix.tar.gz>

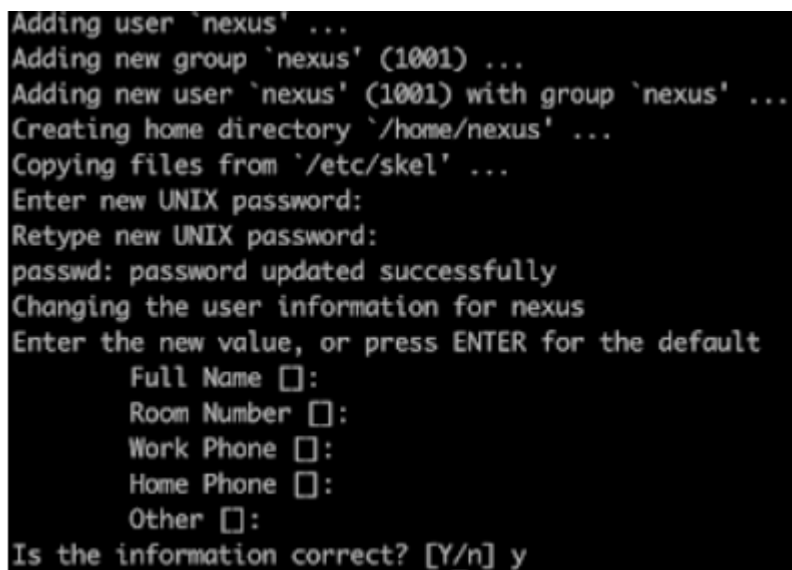
## Extract Nexus

```
sudo tar -xvf latest-unix.tar.gz
```

```
sudo mv latest-unix nexus
```

## Create a user called Nexus

```
sudo adduser nexus
```



```
Adding user `nexus' ...
Adding new group `nexus' (1001) ...
Adding new user `nexus' (1001) with group `nexus' ...
Creating home directory `/home/nexus' ...
Copying files from `/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for nexus
Enter the new value, or press ENTER for the default
  Full Name []:
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []:
Is the information correct? [Y/n] y
```

```
sudo adduser nexus
```

Give some password may be as admin, but do remember.

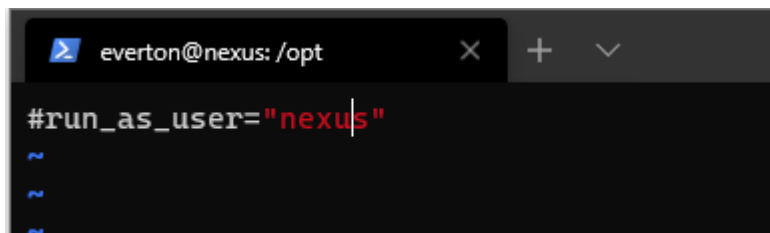
Keep entering enter for all other values and press y to confirm the entries.

## Give permission to Nexus user

```
sudo chown -R nexus:nexus /opt/nexus
```

```
sudo chown -R nexus:nexus /opt/sonatype-work
```

```
sudo vim /opt/nexus/bin/nexus.rc
```



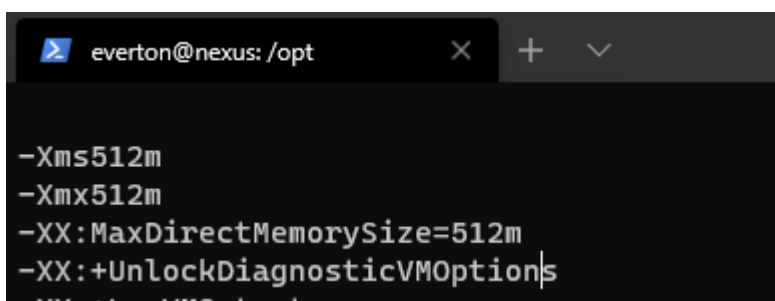
```
everton@nexus: /opt
#run_as_user="nexus"
```

change run\_as\_user="nexus"

## Modify memory settings

```
sudo vim /opt/nexus/bin/nexus.vmoptions
```

Add all the below changes the file with below highlighted entry:



```
everton@nexus: /opt
-Xms512m
-Xmx512m
-XX:MaxDirectMemorySize=512m
-XX:+UnlockDiagnosticVMOptions
```

## Configure Nexus to run as a service

```
sudo vim /etc/systemd/system/nexus.service
```

Copy the below content.

[Unit]

Description=nexus service

After=network.target

[Service]

Type=forking

LimitNOFILE=65536

User=nexus

Group=nexus

ExecStart=/opt/nexus/bin/nexus start

ExecStop=/opt/nexus/bin/nexus stop

User=nexus

Restart=on-abort

[Install]

WantedBy=multi-user.target

## Now Start Nexus

```
sudo systemctl enable nexus
```

```
sudo systemctl start nexus
```

```
sudo systemctl status nexus
```

If it says stopped, review the steps above and you can troubleshoot by looking into Nexus logs by executing below command:

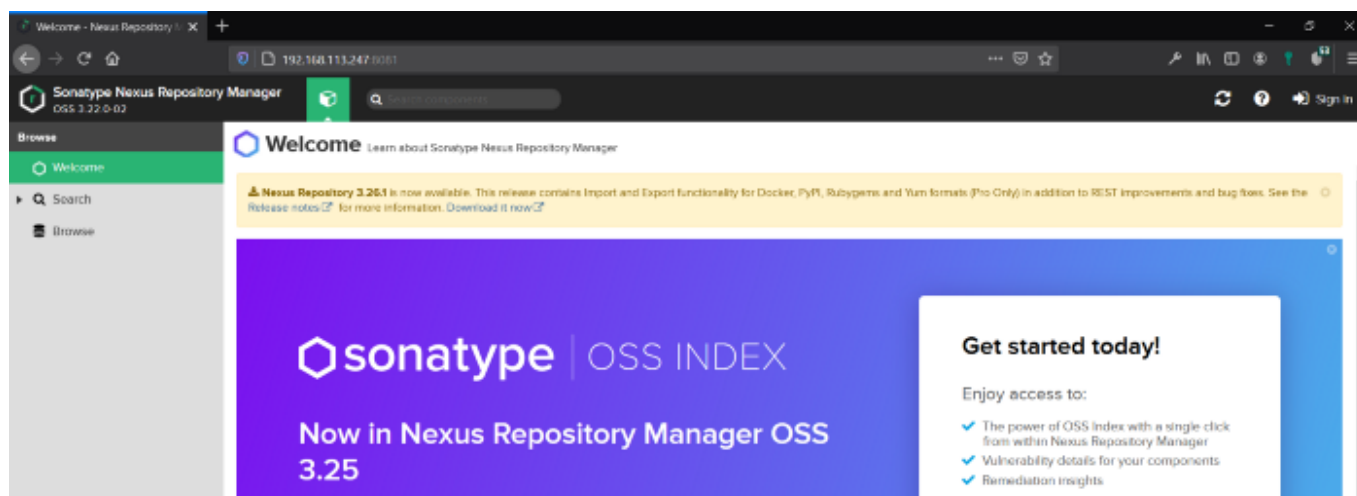
```
tail -f /opt/sonatype-work/nexus3/log/nexus.log
```

```
everton@nexus: /opt$ sudo systemctl start nexus
everton@nexus: /opt$ sudo systemctl status nexus
● nexus.service - nexus service
   Loaded: loaded (/etc/systemd/system/nexus.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2020-08-14 03:46:33 UTC; 13min ago
     Process: 8187 ExecStart=/opt/nexus/bin/nexus start (code=exited, status=0/SUCCESS)
    Main PID: 8401 (java)
      Tasks: 72 (limit: 1031)
     CGroup: /system.slice/nexus.service
             └─8401 /usr/lib/jvm/java-1.8.0-openjdk-amd64/bin/java -server -Dinstall4j.jvmDir=/usr/lib/jvm/java-1.8.0-openjdk-amd

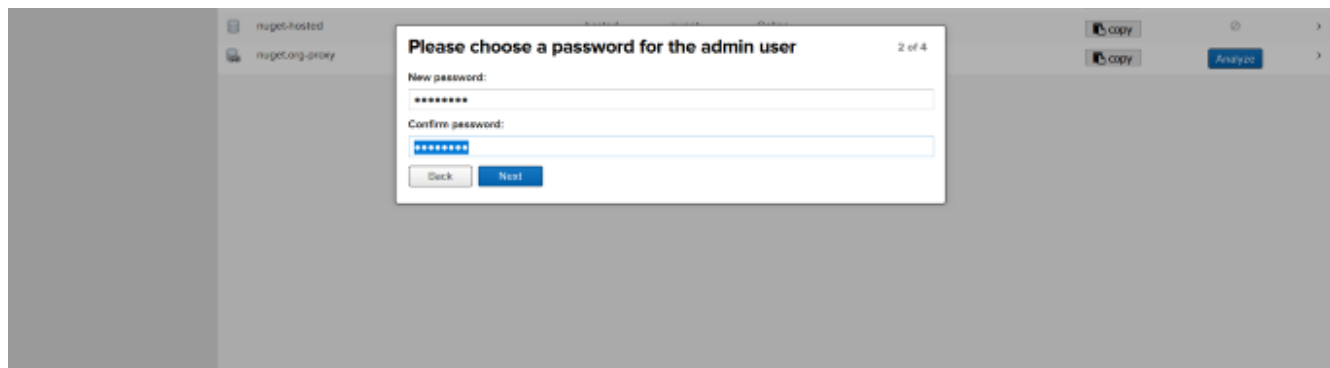
Aug 14 03:46:32 nexus systemd[1]: Starting nexus service...
Aug 14 03:46:33 nexus nexus[8187]: Starting nexus
Aug 14 03:46:33 nexus systemd[1]: Started nexus service.
lines 1-12/12 (END)
```

Once Nexus is successfully installed, you can access it in the browser by

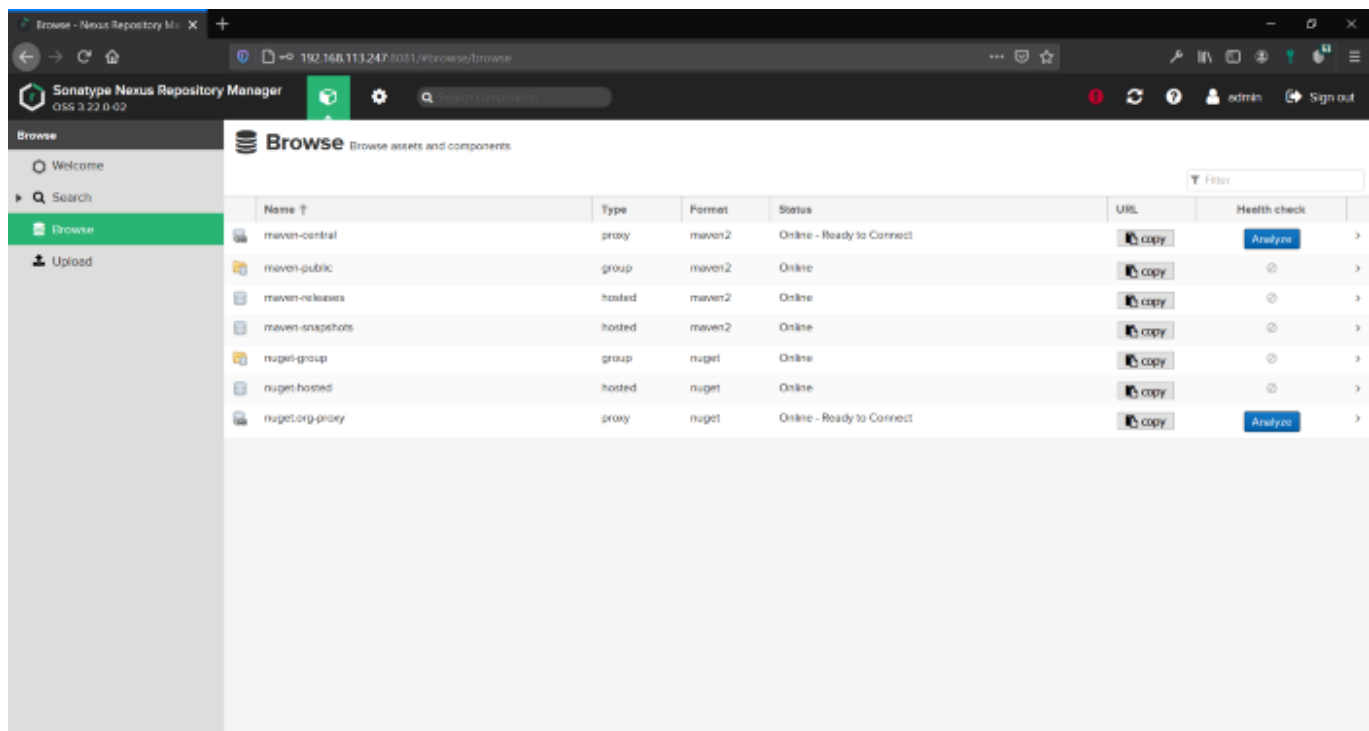
URL — [http://public\\_dns\\_name:8081](http://public_dns_name:8081)







change password please hahaha



**DONE!**