Steps

1. Update packages

sudo apt-get update

1. Install java

sudo apt install openjdk-8-jre-headless

1. Download Nexus

cd /opt

sudo wget <https://download.sonatype.com/nexus/3/latest-unix.tar.gz>

tar -zxvf latest-unix.tar.gz

sudo mv /opt/ nexus-3.28.1-01 /opt/nexus

1. Lets create NEXUS user and then grant sudo privileges to manage services.

sudo adduser nexus

1. Lets edit sudo file

sudo visudo

Add below line and save it

nexus ALL=(ALL) NOPASSWD: ALL

1. Lets give owner permission to Nexus file

sudo chown -R nexus:nexus /opt/nexus

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

1. First we will set per user limit in

sudo nano /etc/security/limits.conf

\* soft nproc 65535

\* hard nproc 65535

\* soft nofile 65535

\* hard nofile 65535

jack soft nproc 200000

jack hard nproc 200000

jack soft nofile 200000

jack hard nofile 200000

1. Now lets enable pam\_limits

sudo nano /etc/pam.d/common-session

Add below line

session required pam\_limits.so

1. **Configure Nexus to run as a service**  
   sudo nano /etc/systemd/system/nexus.service

Add below lines to service file

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

1. Set limits by editing sysctl configuration file.

sudo sudo /etc/sysctl.conf

Add below line

fs.file-max = 2097152

1. Lets add Nexus as a service

sudo nano /opt/nexus/bin/nexus.rc

Uncomment the the following line and add “nexus”

run\_as\_user="nexus"

sudo ln -s /opt/nexus/bin/nexus /etc/init.d/nexus

1. Now login as nexus user and start the service

sudo su - nexus

/etc/init.d/nexus start

1. Login to Nexus on browser.