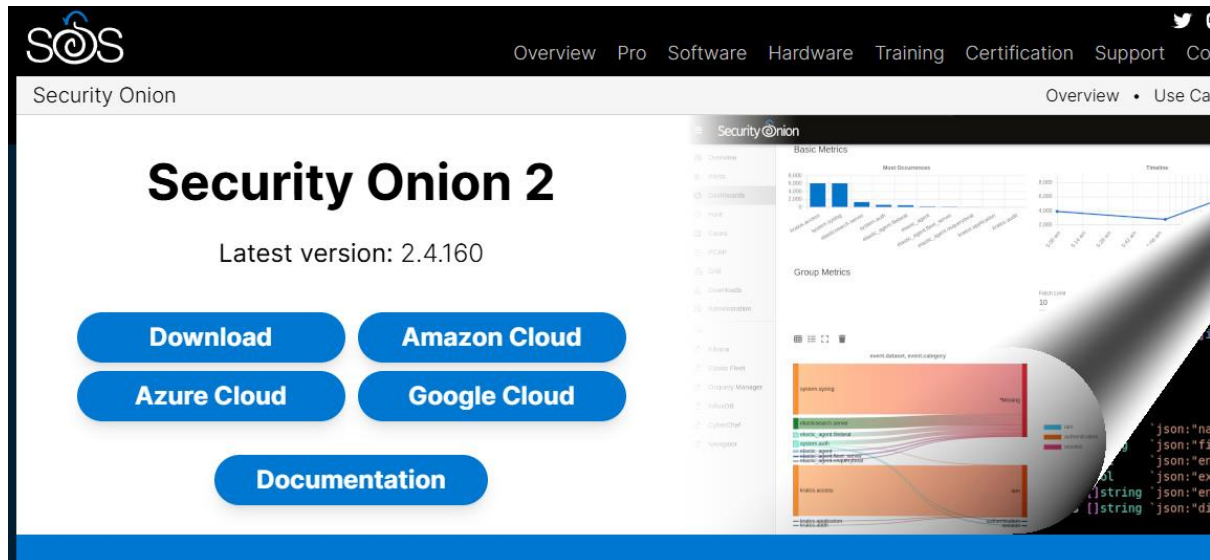


Security Onion installation

Download the security onion from the below link.

<https://download.securityonion.net/file/securityonion/securityonion-2.4.160-20250625.iso>



It will .iso file.

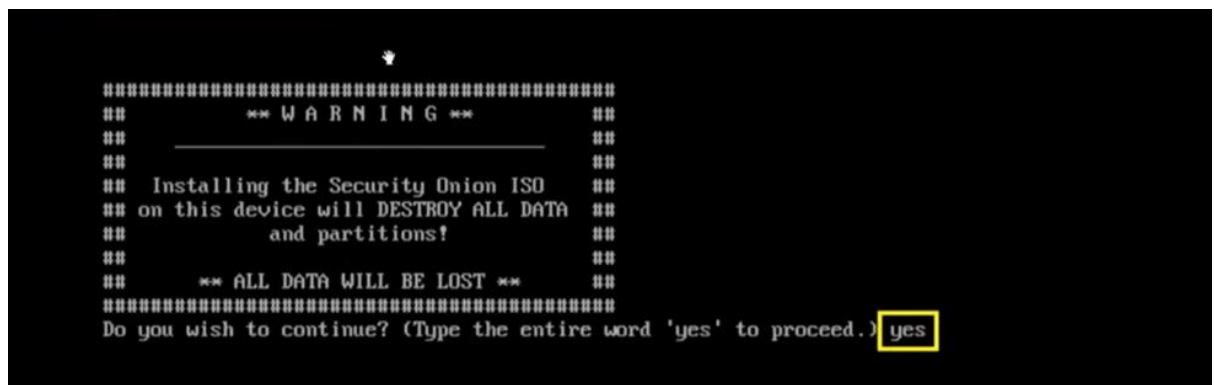
First read the important work at end of this notes.

The process of installation is given below

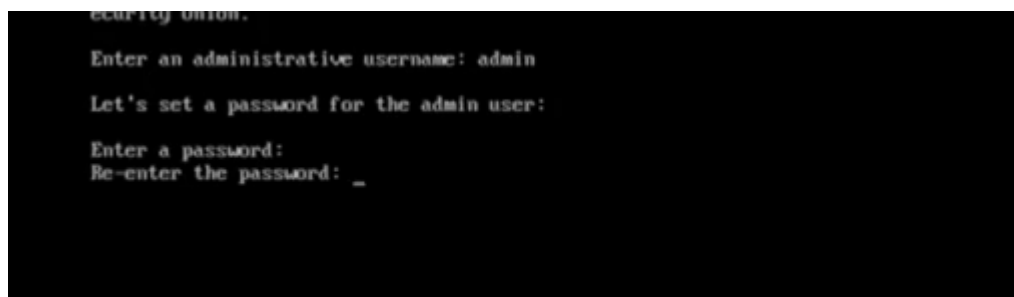
- Go to vmare
- Open new virtual machine
- Select the file as like we do before for other machine installation like ubuntu
- Select 2nd option for install now by browsing the file location
- Name this machine **securityonion**.
- Select machine type of **Linux** and type of **CentOS 64bit**. As like we do for ubuntu as select the software linux and type ubuntu 64bit.
- The purpose of select CentOS 64bit is that it is linux base and have centos kernel based.
- **NOTE:** after all setting before finish go to hardware setting and 2 new network adapter in this machine. According to lab
- 2nd is at vmnat3 and 3rd at vmnat5 and 1st at NAT.
- RAM require 16 GB and ROM 200 GB
- Then finish it and power on the machine.



- Here we chose the 1st option and press enter
- We use tab and enter key in this setup.
- Then write yes and press enter.



- Then enter the username and password that you want to take
- I using admin and Admin@12345 in my case.

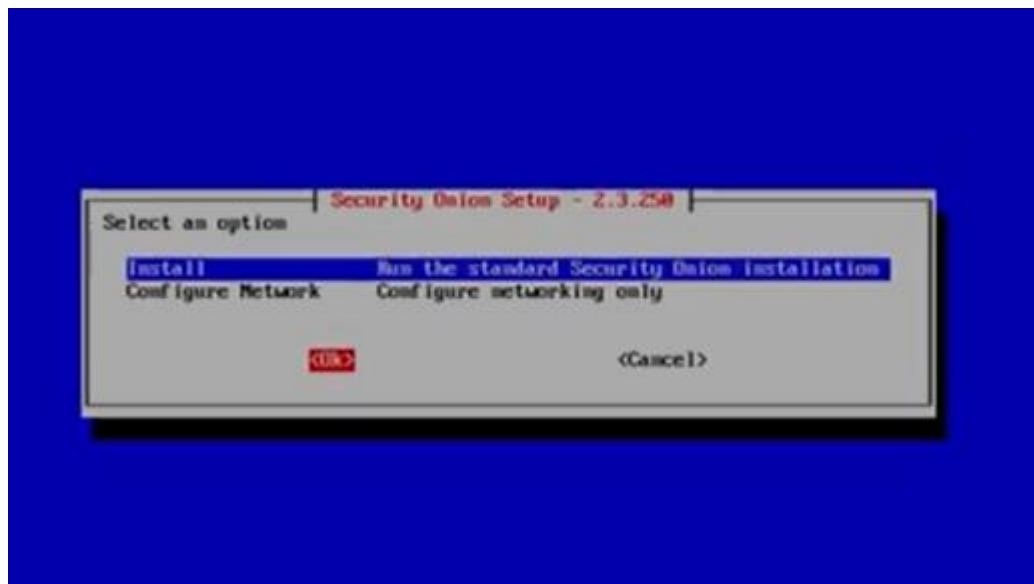


- After this installation will start, it will take time as compare to other machines.
- When it complete then hit enter and restart is start.
- Then login again and installation settings will start.

- Select YES and enter



- Then tab for select the install option and hit enter for yes option.



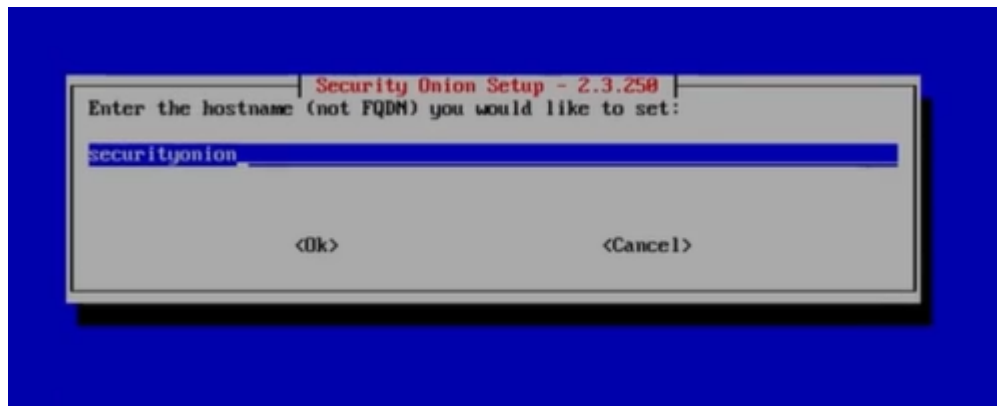
- Select EVAL(evaluation first option) and then hit enter for ok



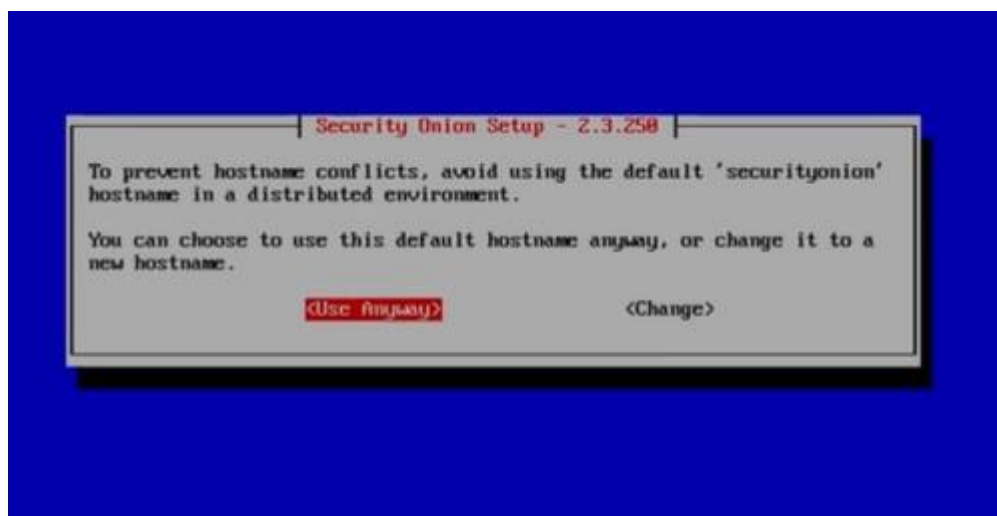
- Write agree and then hit enter



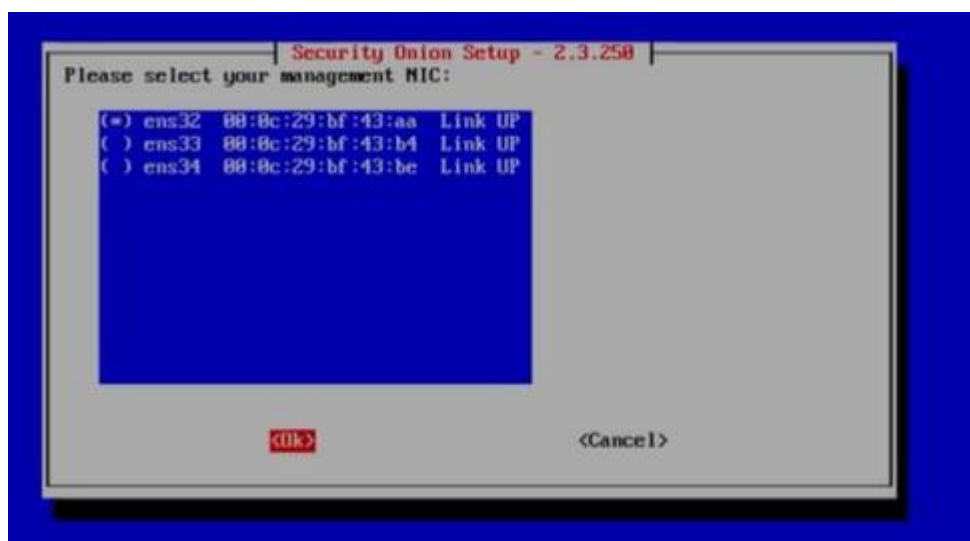
- if you want to change the username do in this step and then hit enter by tab to move at ok button.



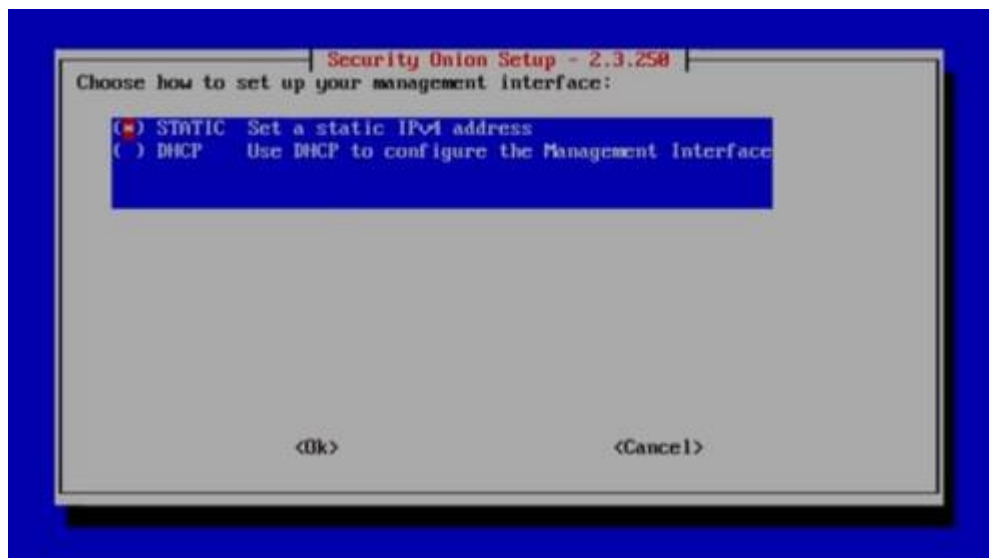
- Then select use anyway option and hit enter, to ensure that username you want ot use.



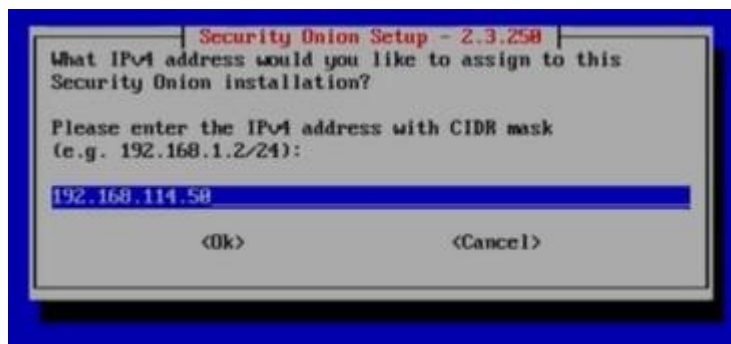
- Here it ask for select management nic, the first is our management interface.
- Here you use spacebar for select it(star appear on selected option) and then hit enter.



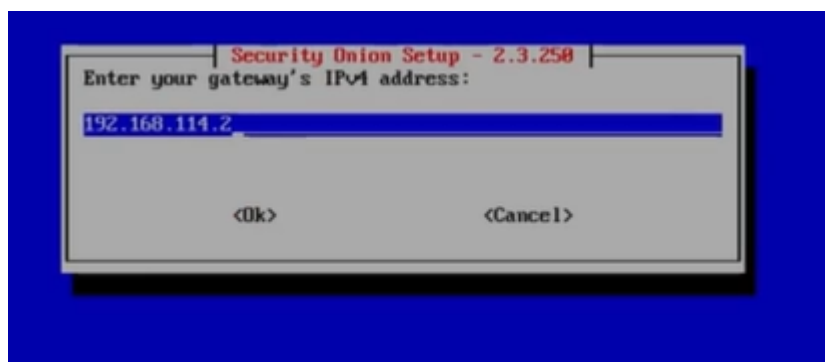
- Here you choose to use static ip and hit enter



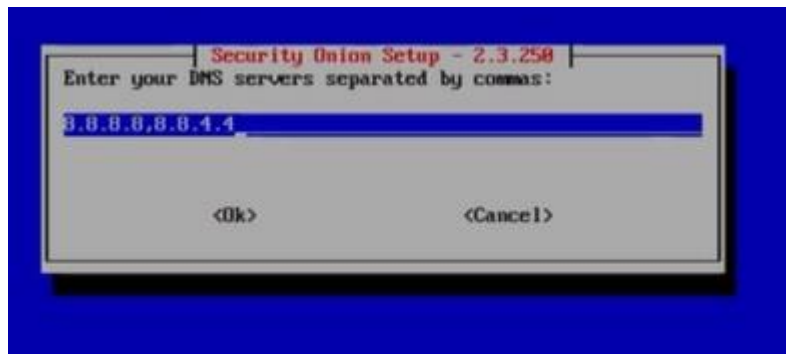
- Then enter the ip
192.168.144.50/24
- Enter ip with subnet mask as write above. Then hit enter.



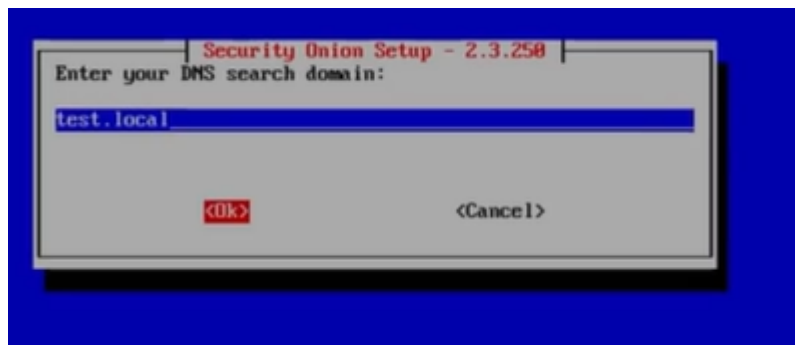
- Enter the gateway and hit enter



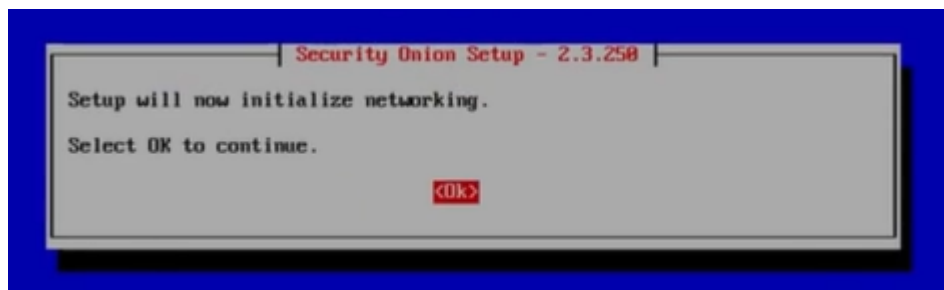
- Enter DNS server , I use default and hit enter



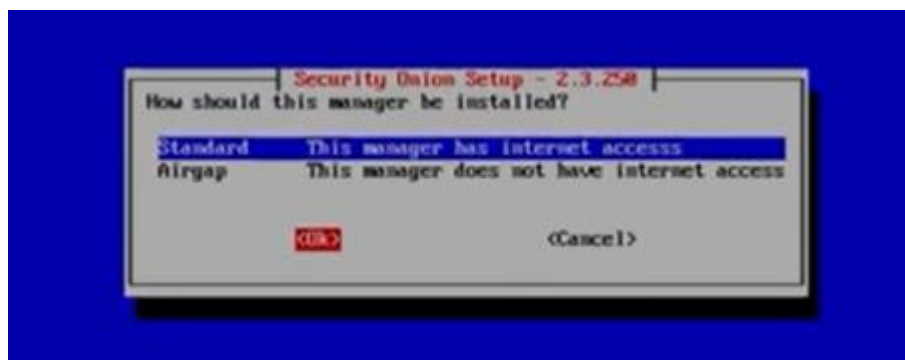
- Here enter the DNS name by which you access the web for security onion.



- Hit okay in this step



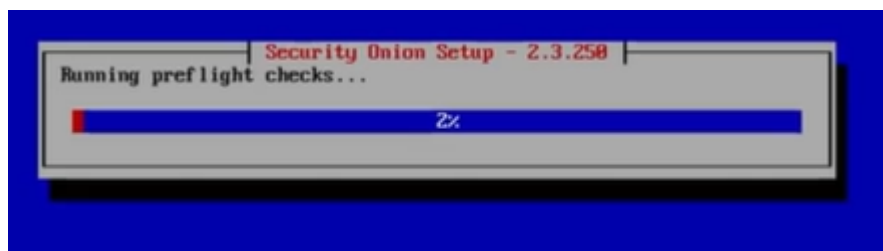
- Here select standard and hit enter



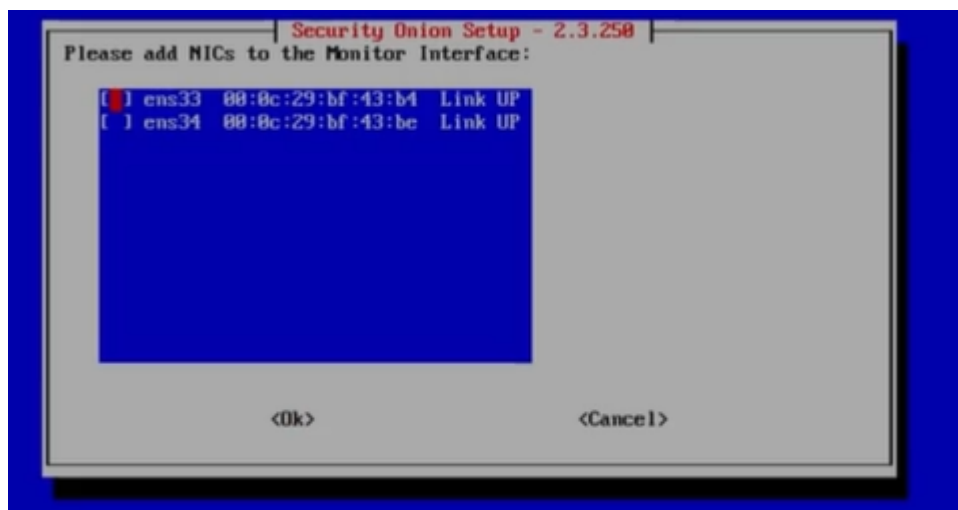
- Here we select Direct and hit enter
- Because we directly connected with internet without proxy



- Then this start.
- It will take some time.



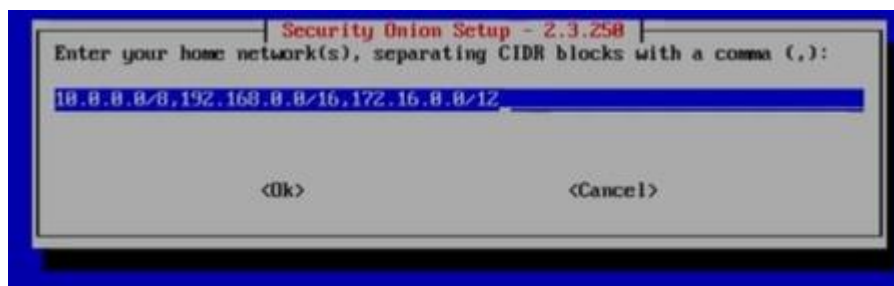
- Here select the monitoring interface ens33 and hit enter



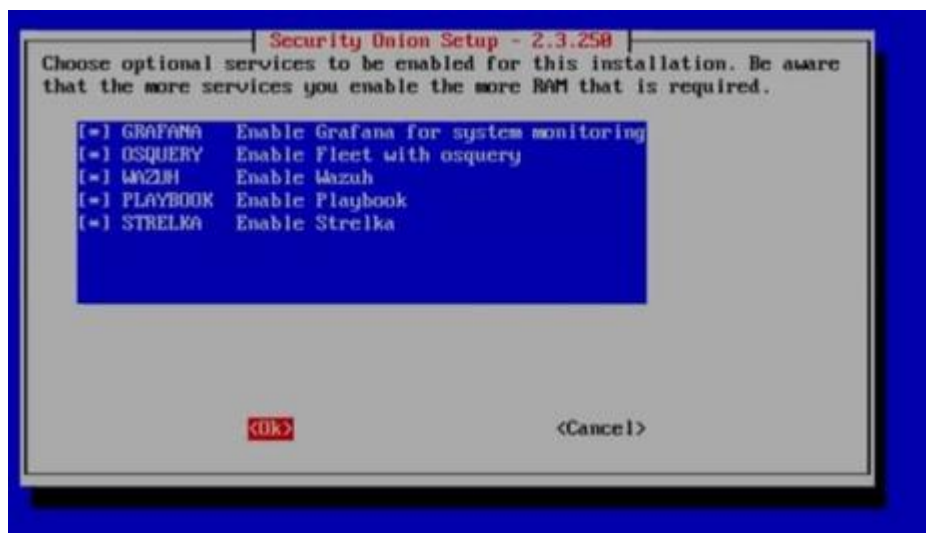
- Here select the automatic and hit enter



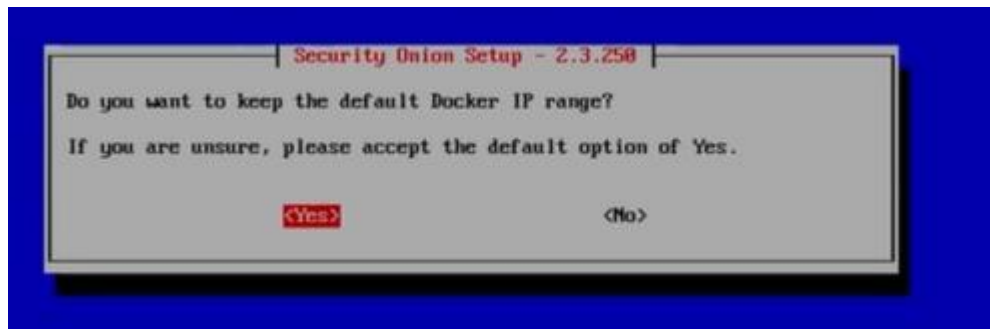
- Here select the allowed subnet and hit ok.
- I use default



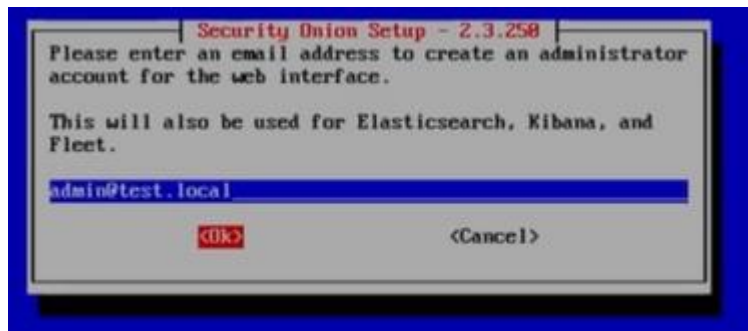
- This take as default and hit ok



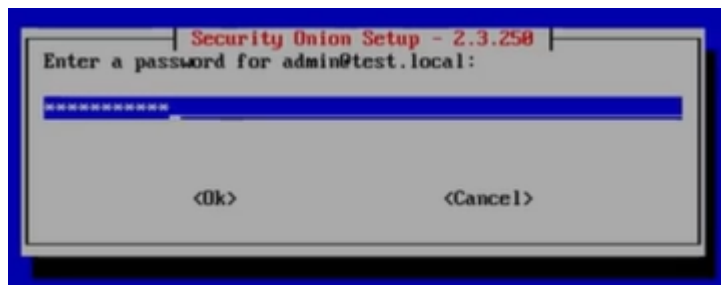
- Select Default Docker and hit enter



- Here enter email for administrator and hit enter
- I use admin@testlocal



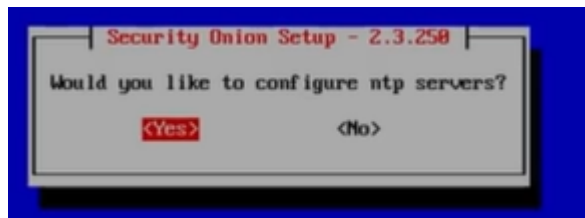
- Here enter password
- I use same as before Admin@12345



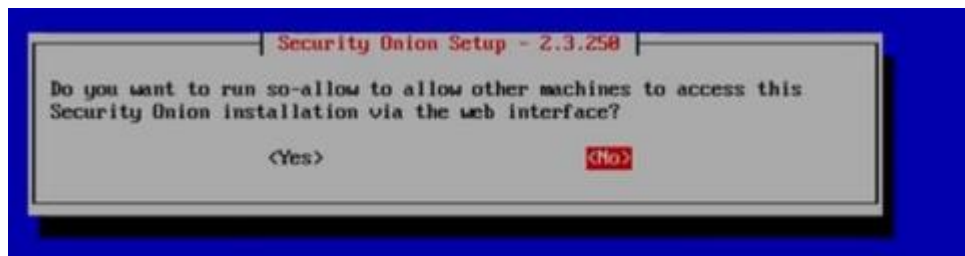
- Here it say how to access the interface
- I select ip and hit enter



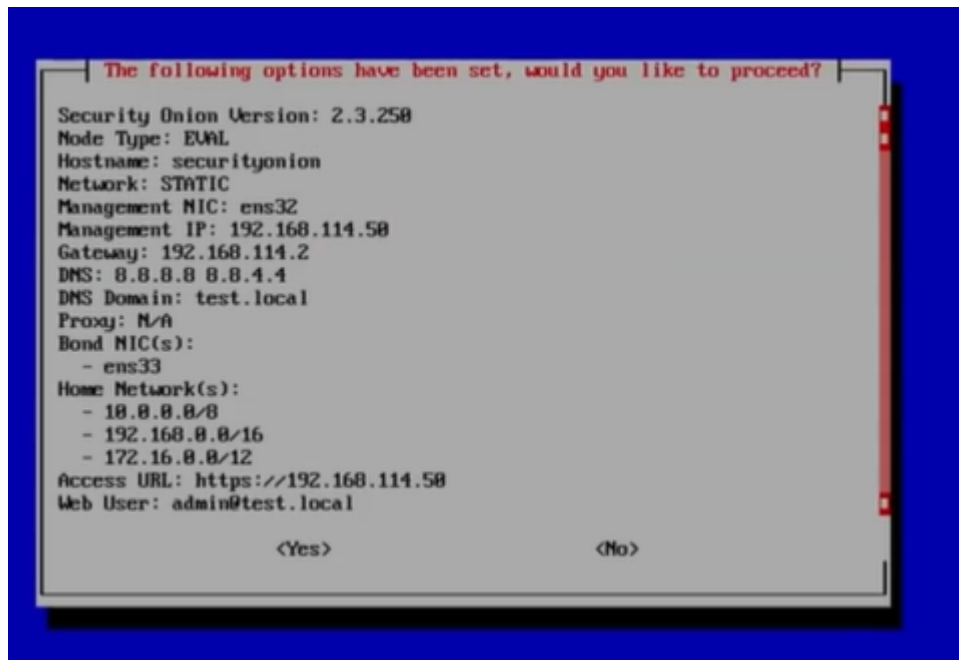
- Hit at yes for config NTP



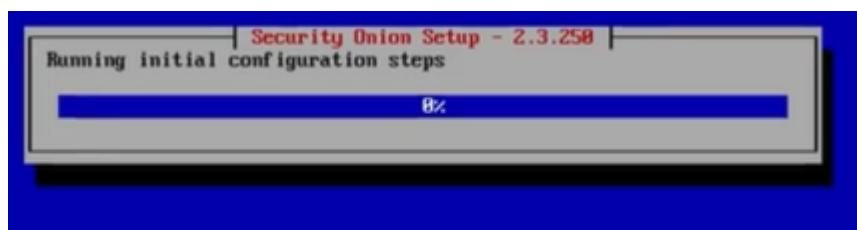
- Her select NO, because we allowed it later.



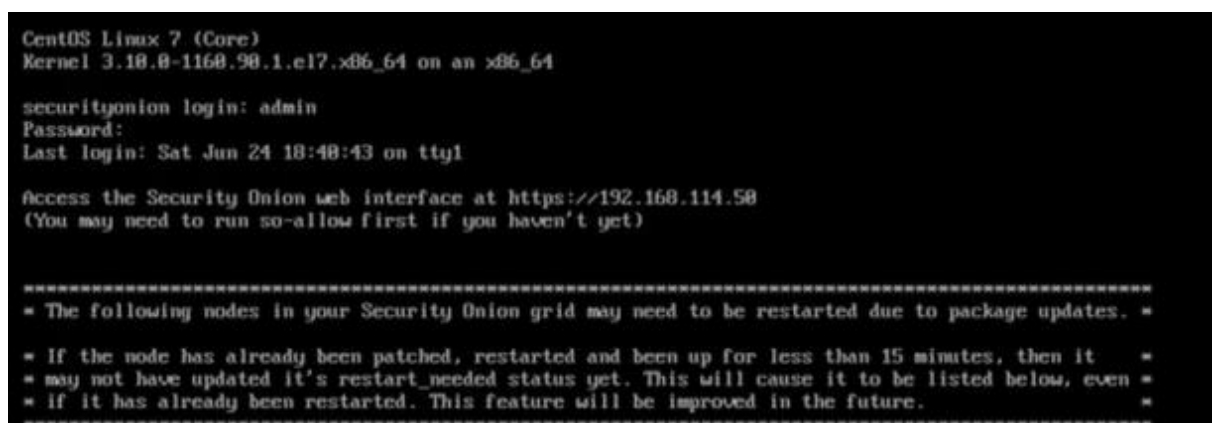
- Then summary will appear, select yes and hit enter



- It take time 10 – 15 minutes.



- When it complete you login in it



- In above image you see that ip is 192.168.144.50 that I give to it.

➤ Important work

You will face problem in internet ip that you have.

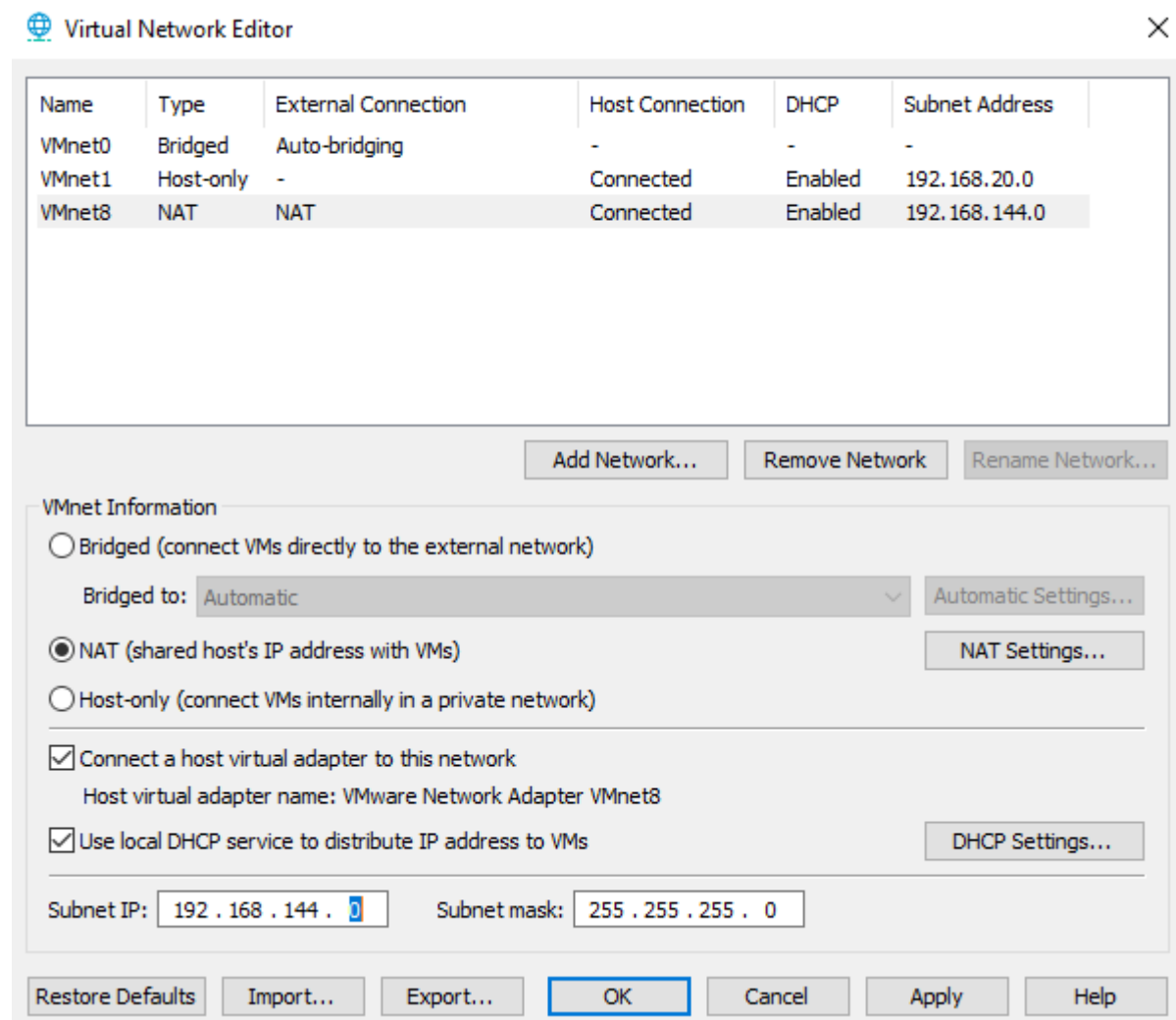
I will have 192.168.144.*

In your case it will be same 16 bit but next 16 bit were change.

❖ Case 1:

Go to virtual text editor

Click at change settings and select NAT from above.



Change your subnet ip at 192.168.144.0 and then check the gateway ip

Go to control panel -> network and internet -> network connection

Here select the vm adapter and check the gateway that you enter in the onion

❖ Case 2:

In this you can use ip according to ip address range and select ip according to your own network .

-----complete-----