This Document will guide you about how you can install the ubuntu server and Splunk on the ubuntu server. Ubuntu is a great distribution of Linux, used for many tasks. Splunk is licensed SIEM solutions used by many cybersecurity firms and multinational Organizations.

## Objective: -

Installing Ubuntu on VMware workstations.

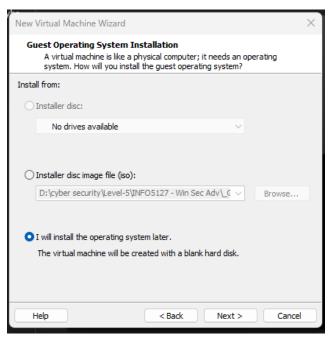
Installing Splunk on ubuntu server using command line.

## Installing Ubuntu: -

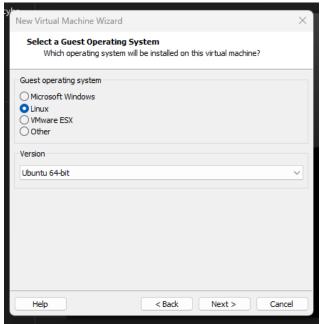
- **1.** Go to the ubuntu website and download the latest ubuntu live server image. Here is the link for iso download: <a href="https://ubuntu.com/download/server">https://ubuntu.com/download/server</a>
- 2. Now, head to VMware workstation>click file> new virtual machine > Custom.



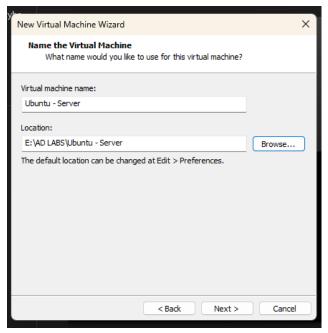
3. Click the latest workstation version > Click Next > I will install the operating system later.



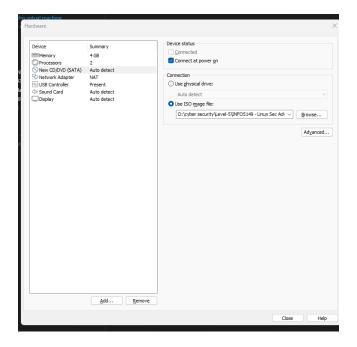
4. Select a guest operating system > Linux > Version Ubuntu 64-bit.



5. Give a virtual machine name and location to save the virtual machine.

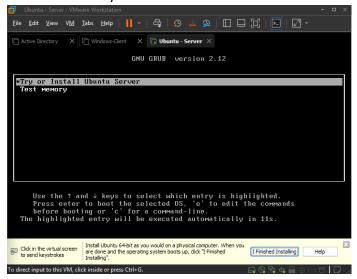


- 6. Give the 2 cores of processors > 4gb ram > Nat as a network type > everything as a default. For disk size it gives it about 40gb of ram.
- 7. Now click the customize hardware > CD/DVD > mount the ubuntu live server iso

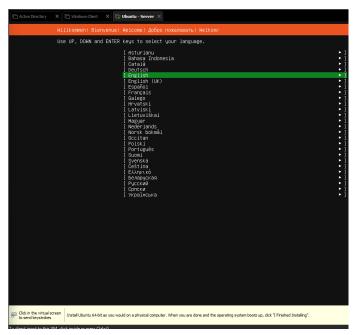


8. Now close the hardware customize dialog and power on the virtual machine. Wait for the machine to boot up.

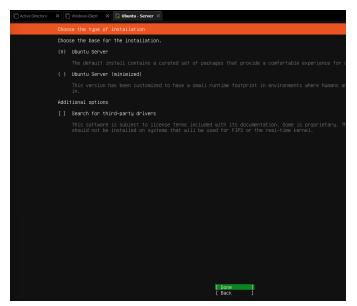
9. Now click the try or install Ubuntu Server



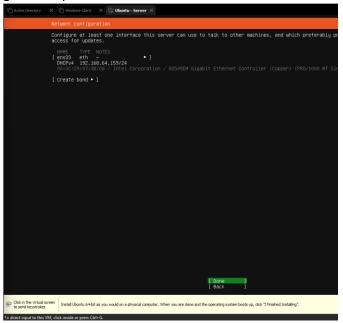
- 10. Wait for some background code to run.
- 11. Click the language as English or which suite you.



12. Keep everything as default, until choose the based for the installation > click the ubuntu server (For click use space bar.)



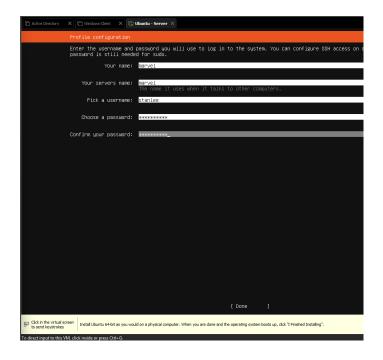
13. Click done and you will see a network configuration page, wait for the dhcp server to give the ip address.



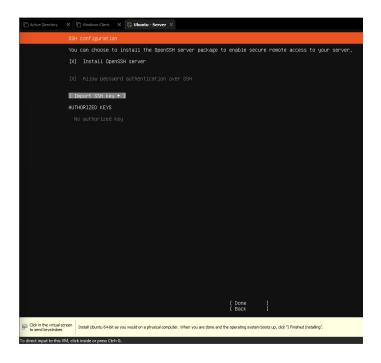
- 14. Don't give proxy address, now click done for mirror configuration page.
- 15. Click the use an entire disk for disk storage configuration.



16. Click everything as a default, now you will see profile configuration. Give name, username and password.



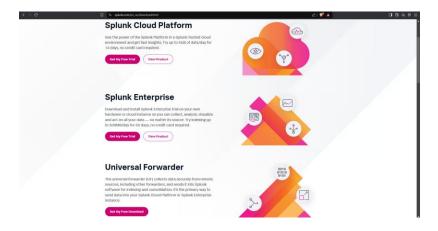
17. Click the install OpenSSH Server and click done.



18. Install any other software if you want to, if not click done and wait for the server to install it.

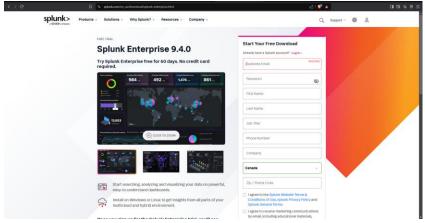
## **Downloading Splunk**

- 1. Go to the Splunk official website using any web browser of your choice. Website: <a href="https://www.splunk.com/">https://www.splunk.com/</a>
- 2. Head to the products page.

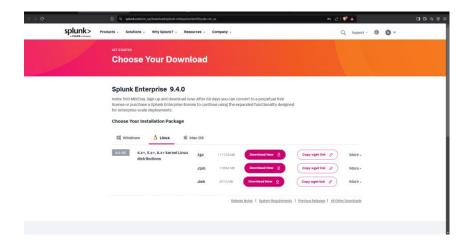


3. Under the Splunk enterprise, click the get free trial button.

4. After clicking the free trial button, you will be forwarded to fill up a form.



- 5. Fill the form, click to create an account
- 6. Verify account using email id you provided.
- 7. After verifying, you will be redirected to download now button.
- 8. In the download page, click the Linux operating system.



9. Now click the copy wget link for .deb install and copy the wget link.

## Installing Splunk in Ubuntu.

1. Head to VMware workstation, reboot the ubuntu.

- 2. Wait for the ubuntu machine to reboot.
- 3. After the vm is rebooted, login to the machine using the username you created earlier.
- 4. After login to the machine, use the sudo su command to get root.

```
Stanlee@marvel:~$ sudo su
[sudo] password for stanlee:
root@marvel:/home/stanlee# _
```

- 5. Paste the command you copied earlier using Ctrl + shift + V. now if you are unable to copy. SSH the machine for the host.
- 6. Ssh the machine from the host. Open command prompt in host. Note the virtual machine ip address. Use the command ssh username@ip-address. Sudo su for root access.

7. Now the paste the command you copied earlier.

```
roorBearvel; /home/stanlee# appt -0 splunic-9 4.0-6blebel156:a6-Linux-amd64 deb*
-2021-02-18 | 91:23-3- Hisp://domload.splunic.com/products/plunic/pleases9 4.0 folius/splunic-9 4.0-6blebel26ca6-Linux-amd64 deb*
-2021-02-18 | 91:23-3- Hisp://domload.splunic.com/splunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic-plunic
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- 8. Wait for the downloading process to be completed. After the downloading process is completed, use *Is* command to check for the downloaded file.
- 9. Now to install Splunk use *dpkg -i* splunk file command.

```
root@marvel:/home/stanlee# dpkg -i splunk-9.4.0-6b4ebe426ca6-linux-amd64.deb
Selecting previously unselected package splunk.
(Reading database ... 38388 files and directories currently installed.)
Preparing to unpack splunk-9.4.0-6b4ebe426ca6-linux-amd64.deb ...
no need to zun the pre-install check
Unpacking splunk (9.4.0) ...
```

- 10. Wait for installation process to complete. Now after the installation is complete, using following command as next step. sudo /opt/splunk/bin/splunk start accept-license
- 11. After using the command, you will be asked to confirm the term using y. a prompt will be appear to set the administrator username.

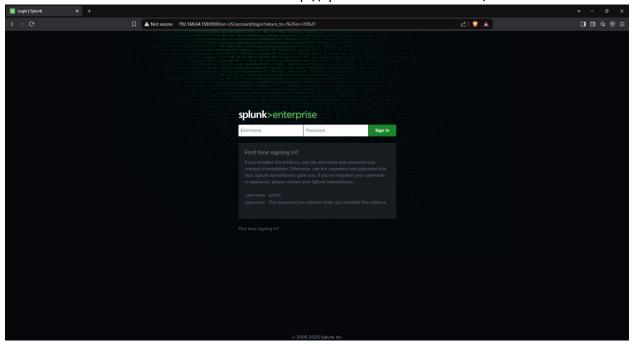
- 12. Give the administrator username and password. After setting username and password. Now we need to start the splunk.
- 13. Using command to start the splunk sudo /opt/splunk/bin/splunk start

```
Footbearvel://nome/stanleed sude /opt/splum/bin/splumk start

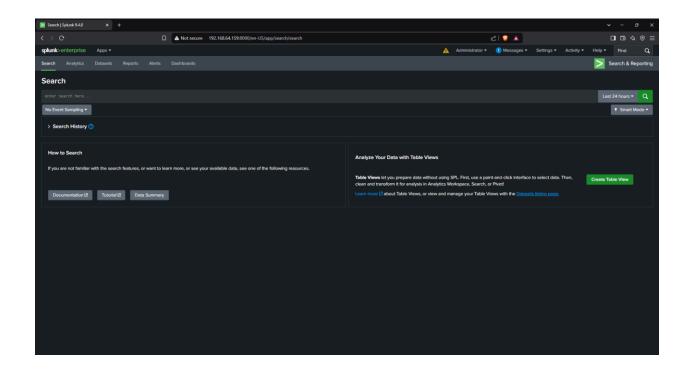
Splumber The IT Search Engine.

Checking interpret [8000]: spen
Checking superver port [217 d. 0.1:805]: open
Checking superver [217 d. 0.1:805]: open
Ch
```

14. Now head to web browser and use the url http://ip – address of vm :8000/



15. Login using the administrator username and password we created earlier.



I hope this guide will help you with the installation process. If you have any questions, you can ask me on my linkedin and email me. At <a href="mailto:info@byseciot.ca">info@byseciot.ca</a>