Splunk setup and splunk forwarder setup on windows also open rdp port in windows and create bruteforce attack from kali

use the following link to directly download Splunk v9.1.2:
Splunk Enterprise 9.1.2 - Linux (.deb) - Direct Download Link

Once the download is complete we will have a **.deb** file. Open the Terminal (**Ctrl+Alt+t**) and navigate to the Downloads folder.

cd Downloads

then install curl using this command

sudo apt install curl

```
root@gopal-VMware-Virtual-Platform:/home/gopal/Downloads# sudo apt install curl
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
curl is already the newest version (8.5.0-2ubuntu10.6).
0 upgraded, 0 newly installed, 0 to remove and 1 not upgraded.
```

Run the following command to install Splunk:

sudo dpkg -i splunk-9.1.2-b6b9c8185839-linux-2.6-amd64.deb

```
root@gopal-VMware-Virtual-Platform:/home/gopal/Downloads# sudo dpkg -i splunk-9.1.2-b6b9c8185839-linux-2.6-amd64.deb
Selecting previously unselected package splunk.
(Reading database ... 152830 files and directories currently installed.)
Preparing to unpack splunk-9.1.2-b6b9c8185839-linux-2.6-amd64.deb ...
Unpacking splunk (9.1.2) ...
Setting up splunk (9.1.2) ...
complete
```

After the installation is completed use the following command to launch Splunk:

sudo /opt/splunk/bin/splunk start --accept-license --answer-yes

Provide username and password for creating account.

```
root@gopal-VMware-Virtual-Platform:/home/gopal/Downloads# sudo /opt/splunk/bin/splunk start --accept-license --answer-ye
s

This appears to be your first time running this version of Splunk.

Splunk software must create an administrator account during startup. Otherwise, you cannot log in.
Create credentials for the administrator account.
Characters do not appear on the screen when you type in credentials.

Please enter an administrator username: admin
Password must contain at least:
   * 8 total printable ASCII character(s).
Please enter a new password:
Please confirm new password:
Copying '/opt/splunk/etc/openldap/ldap.conf.default' to '/opt/splunk/etc/openldap/ldap.conf'.
Generating RSA private key, 2048 bit long modulus
...................+++++
..+++++
e is 65537 (0x10001)
writing RSA key
```

Once the setup is complete we see the Splunk is running on http://127.0.0.1:8000

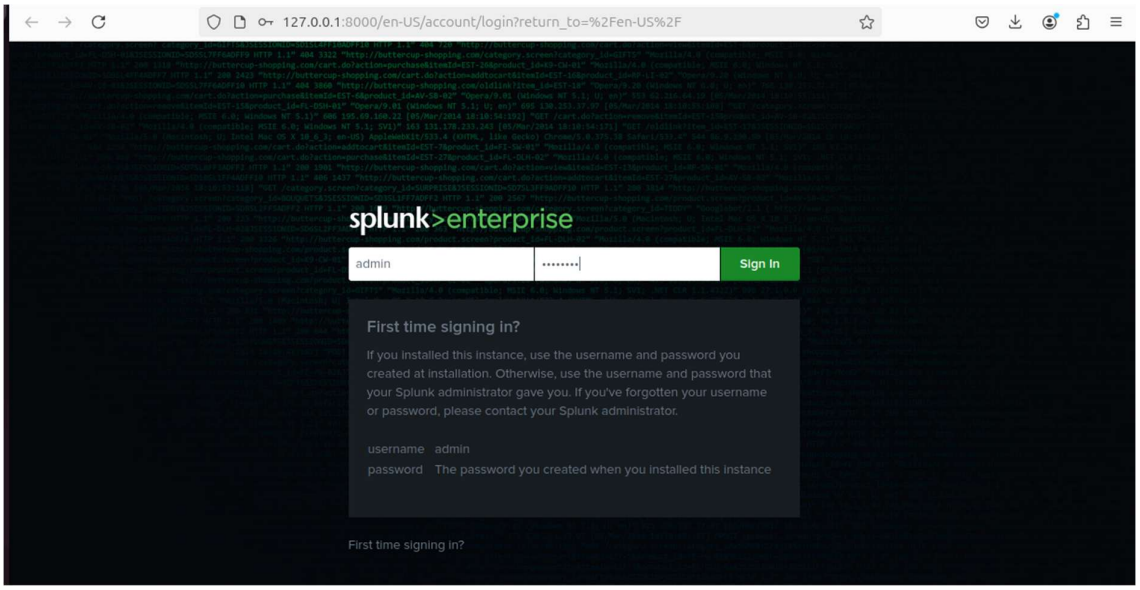
```
If you get stuck, we're here to help.
Look for answers here: http://docs.splunk.com

The Splunk web interface is at http://gopal-VMware-Virtual-Platform:8000
```

Run the following to allow Splunk to start automatically when the system is booted.

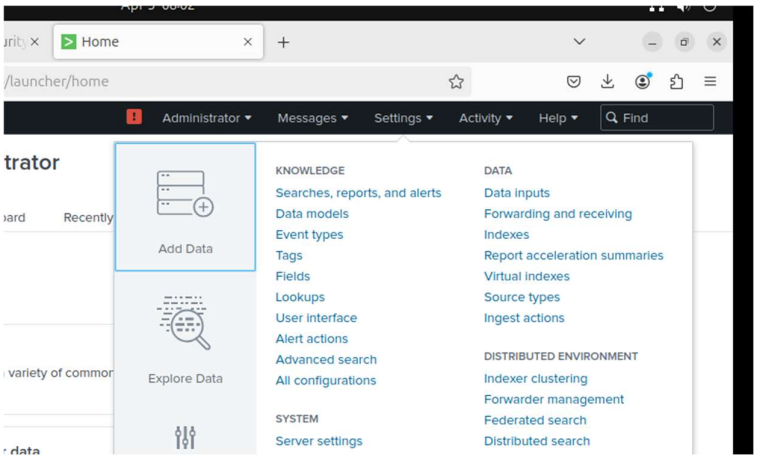
sudo /opt/splunk/bin/splunk enable boot-start

```
root@gopal-VMware-Virtual-Platform:/home/gopal/Downloads# sudo /opt/splunk/bin/splunk enable boot-start
Init script installed at /etc/init.d/splunk.
Init script is configured to run at boot.
root@gopal-VMware-Virtual-Platform:/home/gopal/Downloads#
```

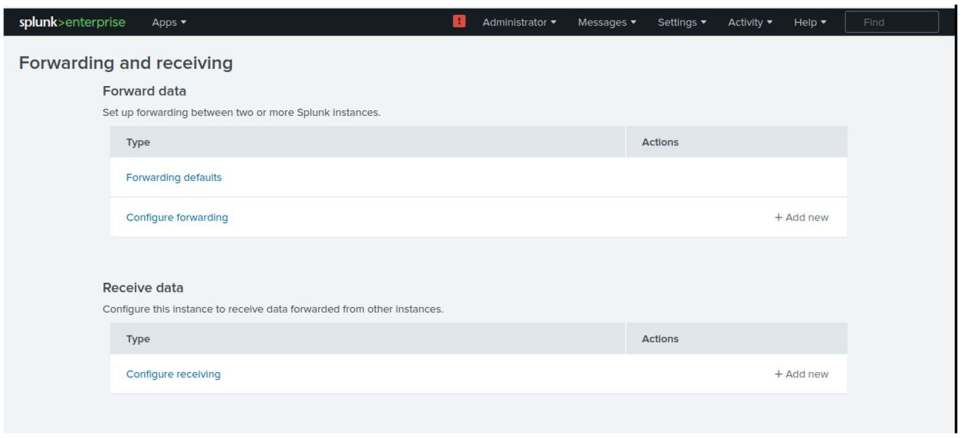
Then **open link** and add **username** and **password** that made when prompted



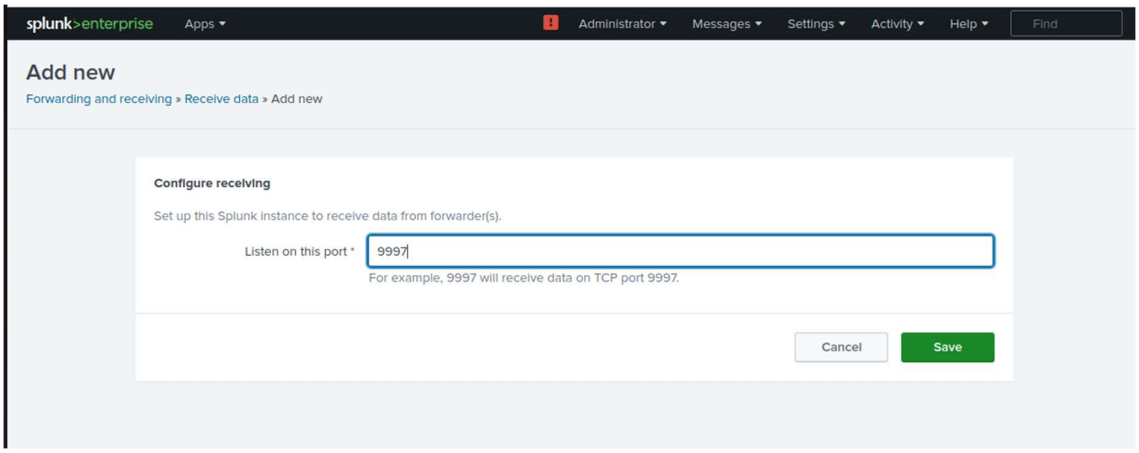
Click on **settings** and **forwarding and receiving** button



Then click on configure receiving section add new botton

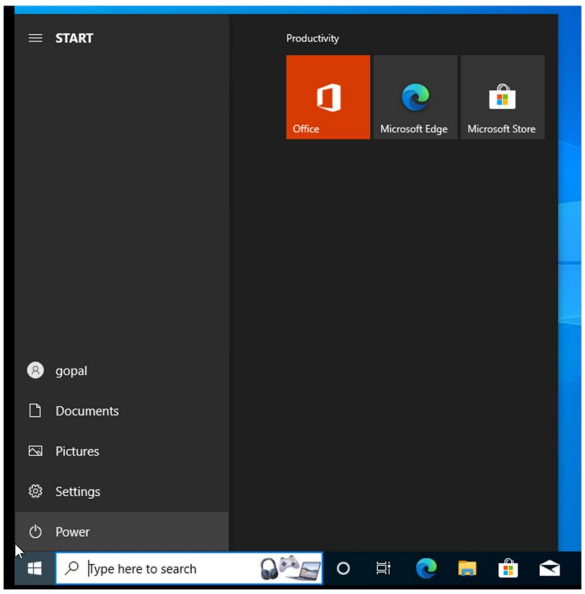


Then add port number default is **9997** and click on **save** botton.

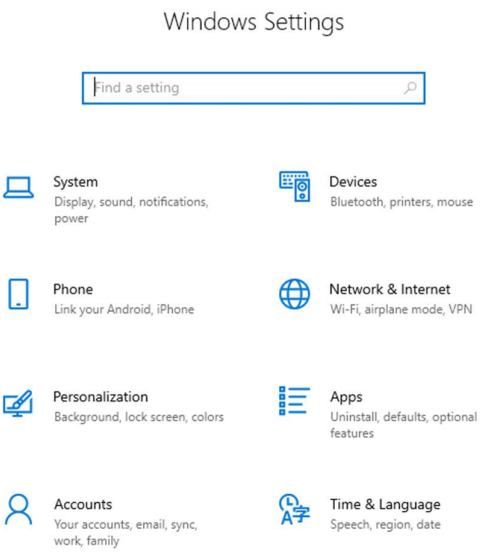


Now open windows and install splunk universal forwarder using this link [Splunk Universal Forwarder 9.1.2 - Windows (.msi) - Direct Download Link]

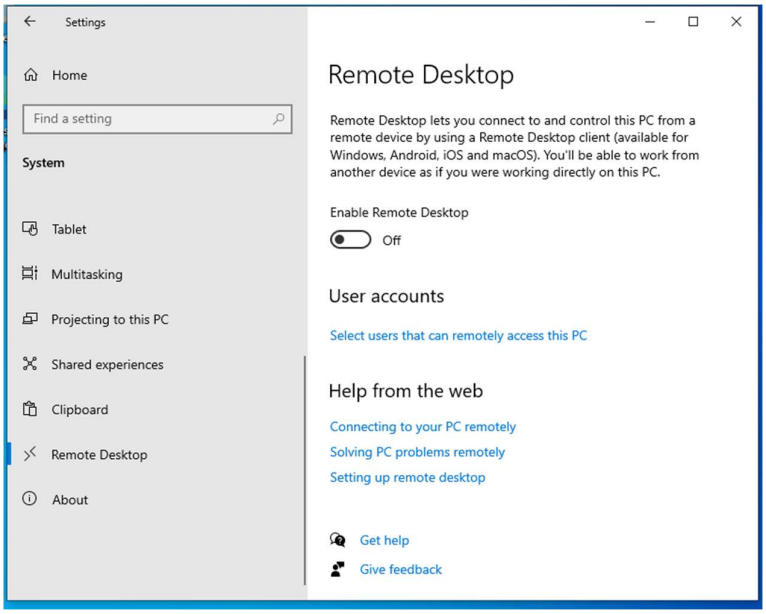
Its start downloading then double tap on windows botton and open **settings**



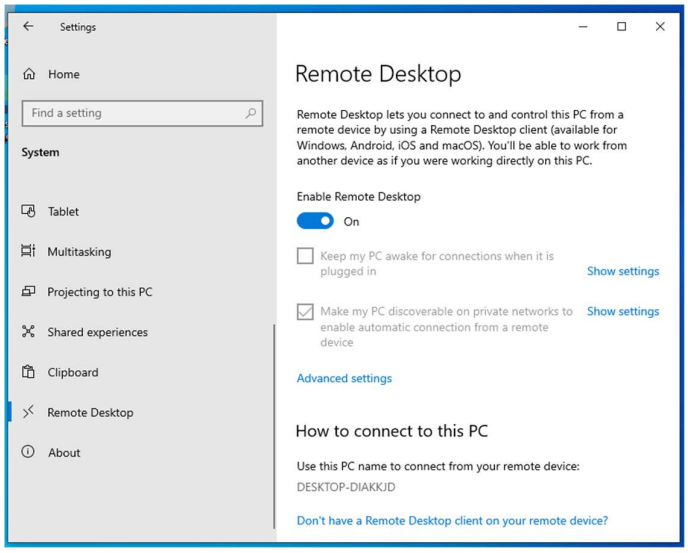
Open **system**



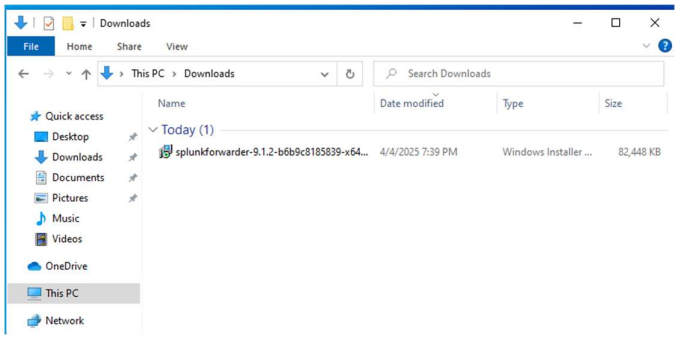
Now click on **Remote Desktop**



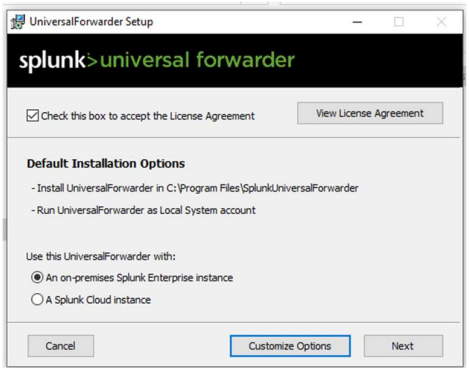
Click on **Enable Remote Desktop.**



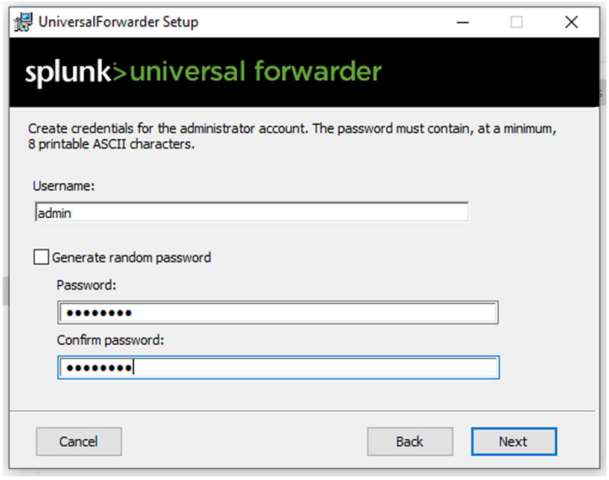
Next open **file explorer** and go to **Downloads** also double tap on **install splunk forwarder**.



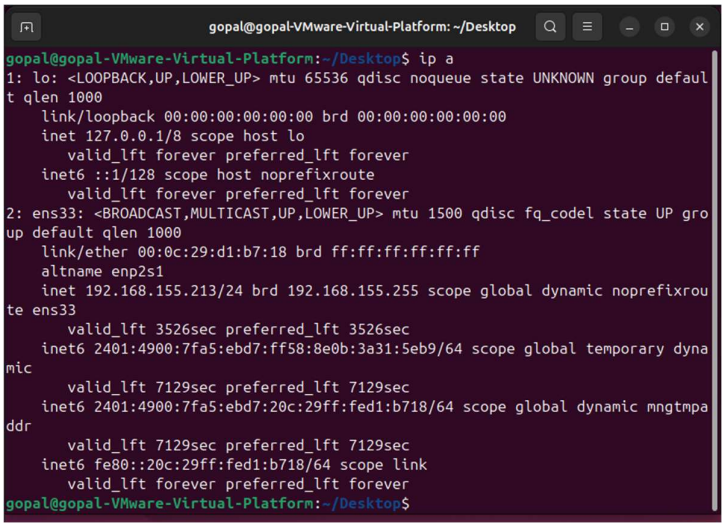
Check the box on the top to accept the agreement and then click on **Next**.



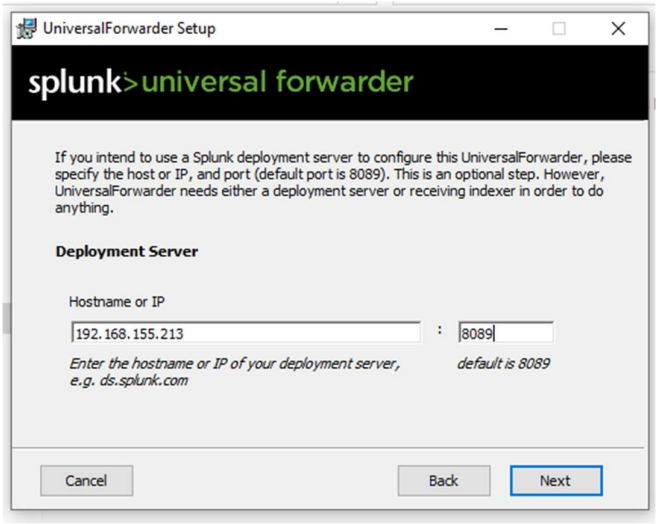
Provide a username and password for the Forwarder. I would recommend using the same credentials that were configured on Splunk.



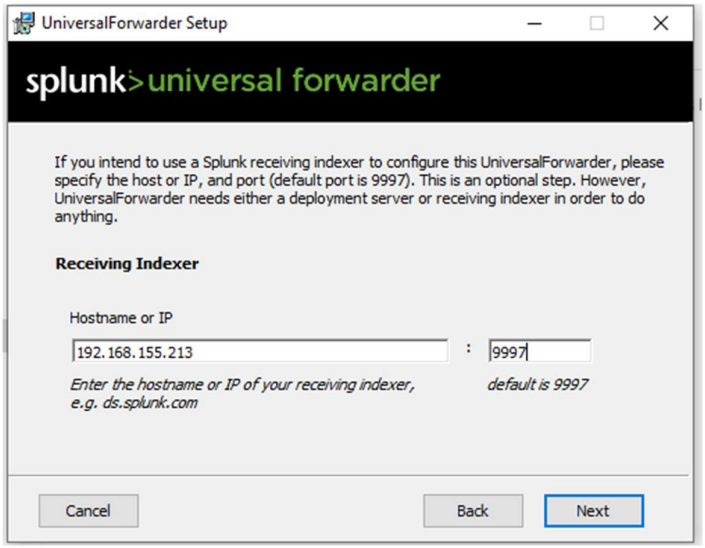
Check ip address of ubantu for providing on next step



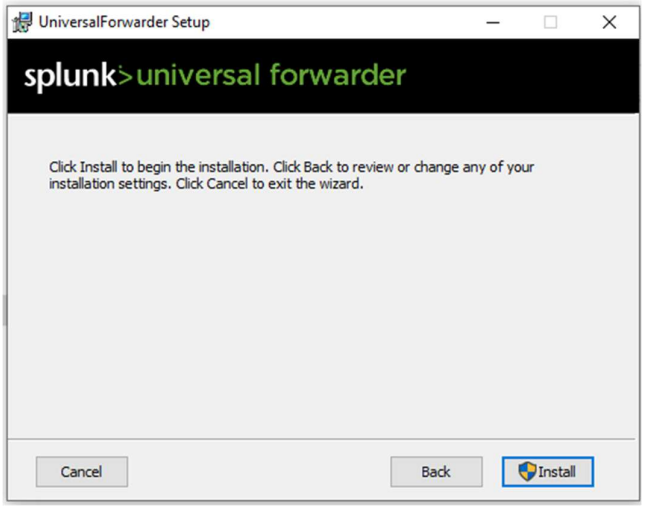
Now add ip address and default port **8089**



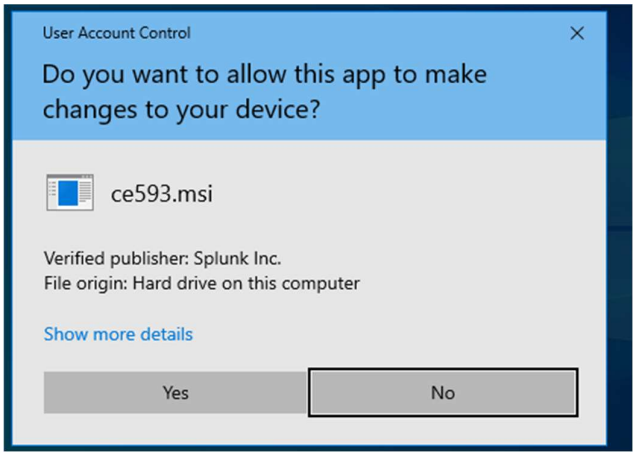
Also provide on this step ip address but default port numberis changed **9997**



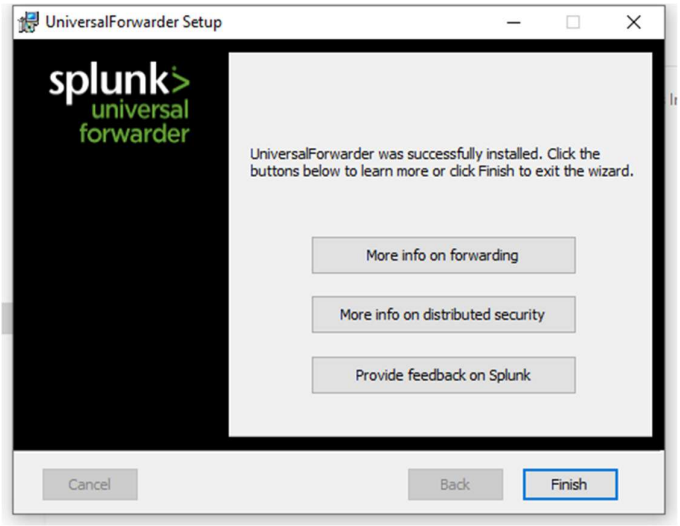
Click on **Install**.



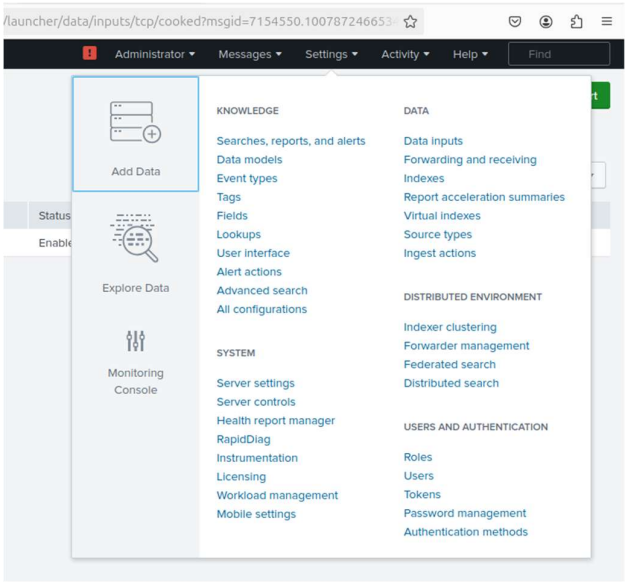
If prompt is shown then click **yes**



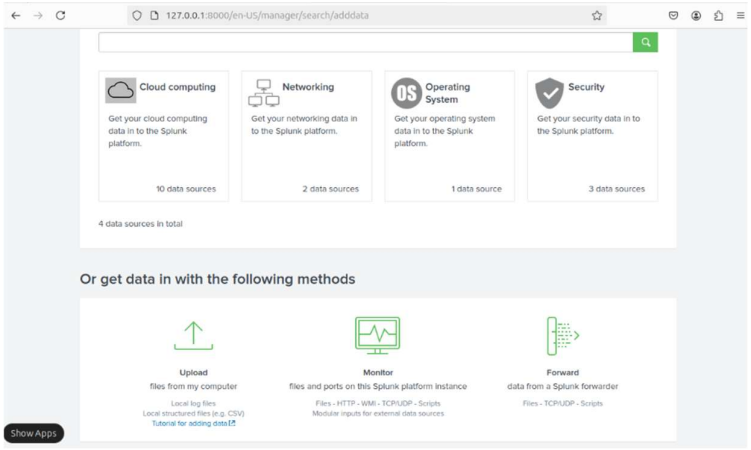
Click on **Finish** button.



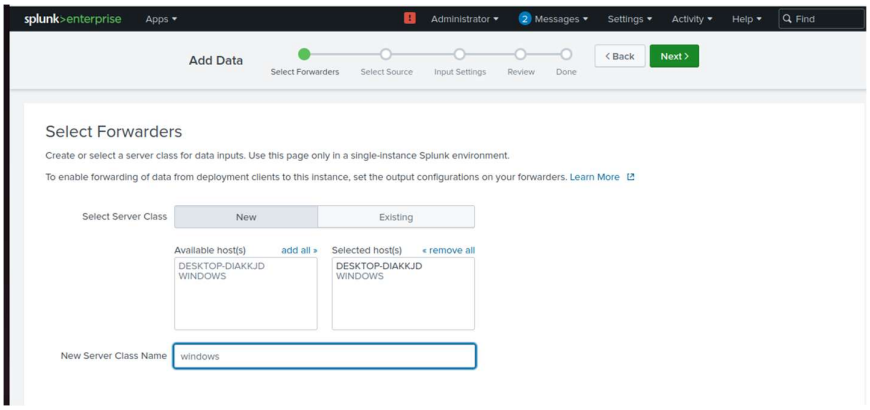
Return to splunk enterprise then click on **settings** and **add data**



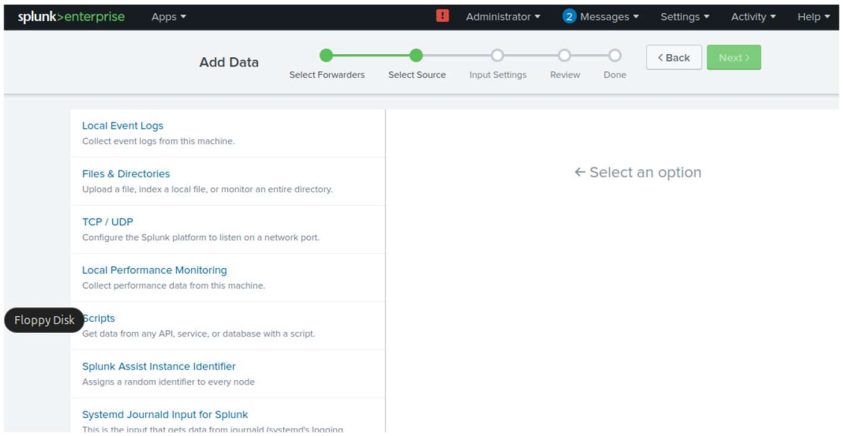
Click on **forward** option.



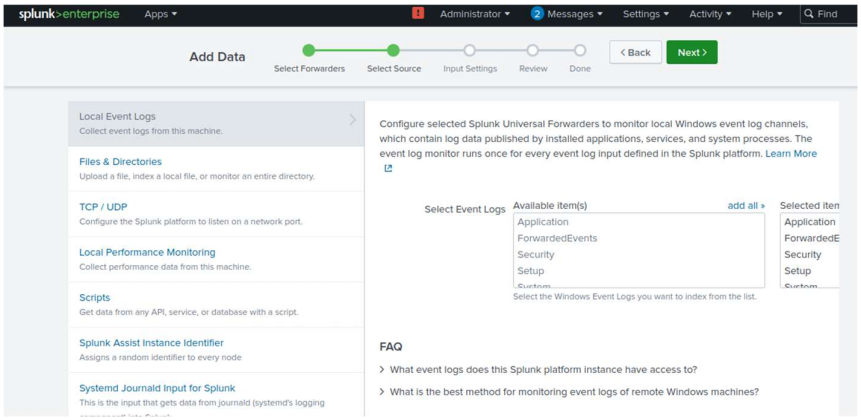
Our windows VM should automatically show up in the left box. Click on "add all" to move it to the right side. In the "New Source Class Name" field provide a name for the source. Click on **Next** to continue.



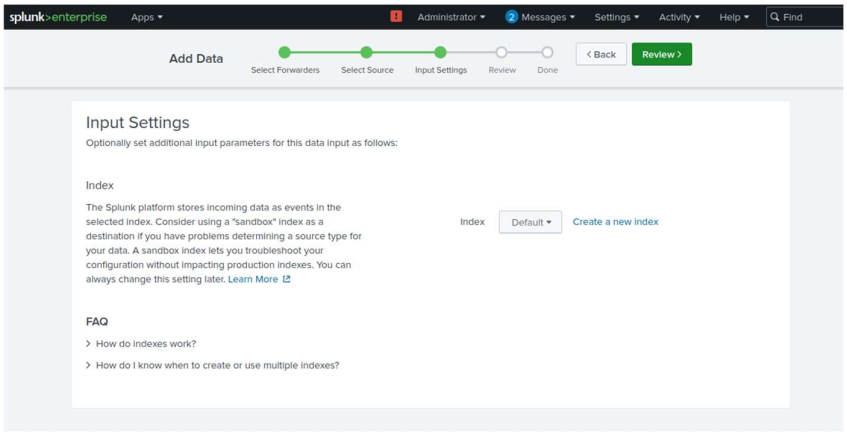
Click on **local Event logs.**



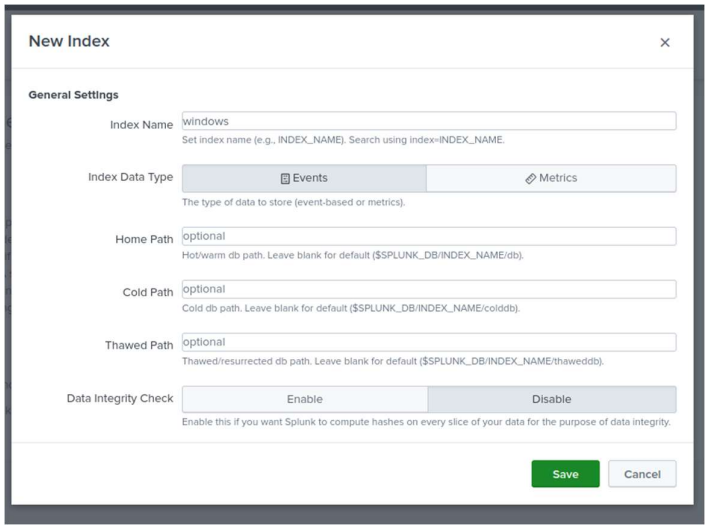
then click on the "add all" button above the dropdown field to ingest all the logs generated by the DC. Click on **Next** once done.



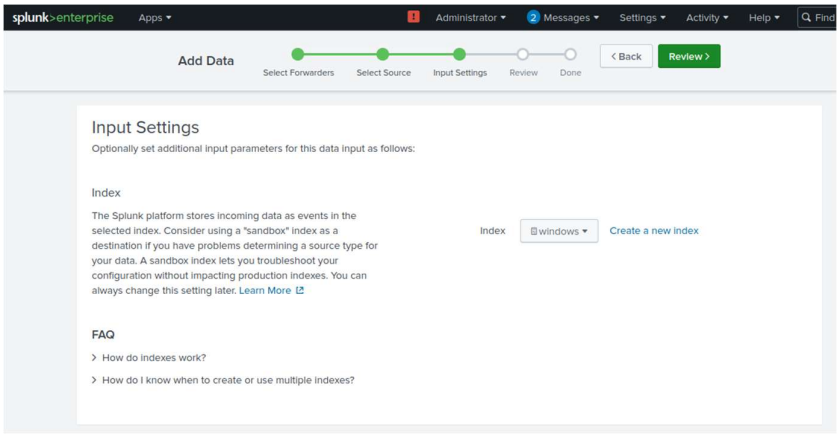
Click on "Create a new index".Indexes are the Splunk equivalent of SQL Tables. It is used to store similar data.



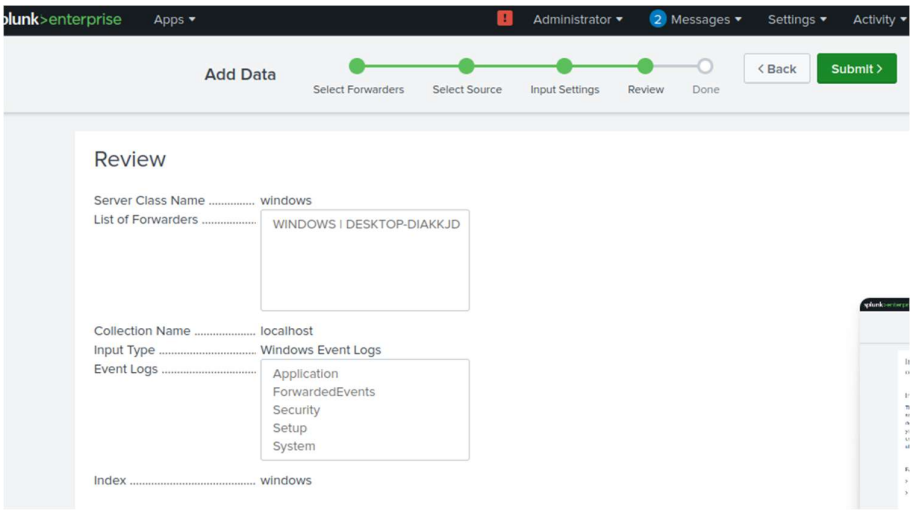
Provide the Index a <u>name</u>. Keep all the other fields on their default value and click on **Save**.



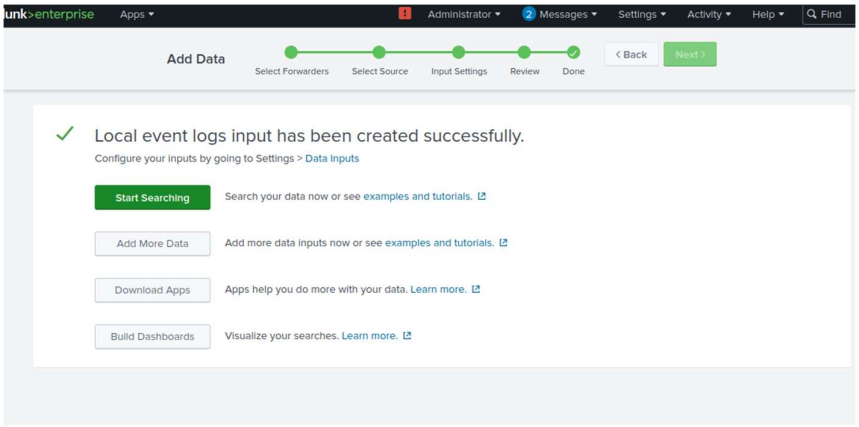
then click on **Review**.



Click on **submit** button.

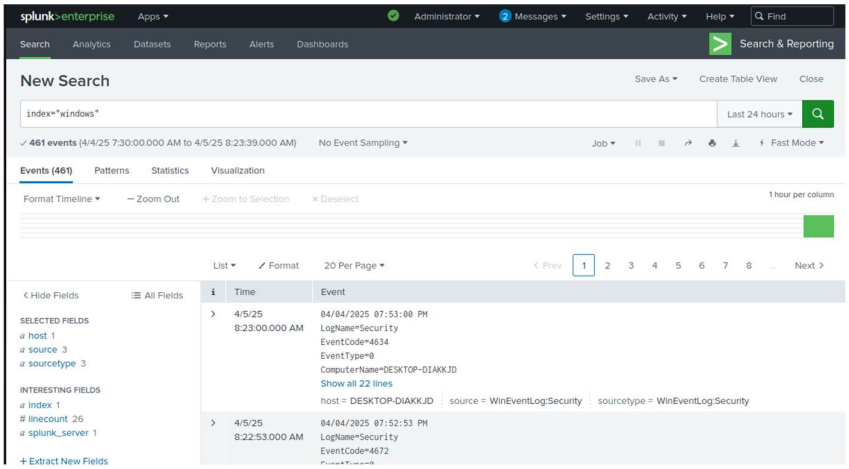


Then this prompt shows

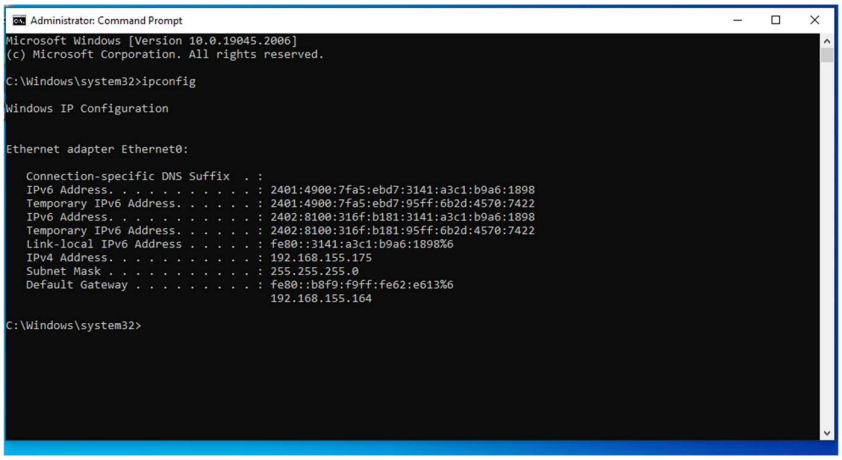


From the Splunk toolbar select **Apps -> Search & Reporting**.

Then search like this **index="windows"** then it shows like this and shows logs.



Now I am performing bruteforce attack on windows using rdp port so check ip address of windows



Next start kali in root user mode and run this command for rdp port bruiteforce

hydra -l gopal -P /usr/share/wordlists/rockyou.txt rdp://192.168.155.175

Now we can check windows logs on splunk showing failed to log on.