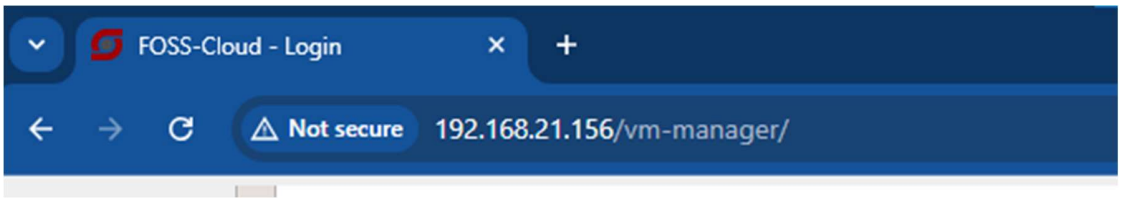
PRACTICAL NO: 08

AIM: Implement FOSS- Cloud Functionality for demonstrating Software as a Service (SaaS).

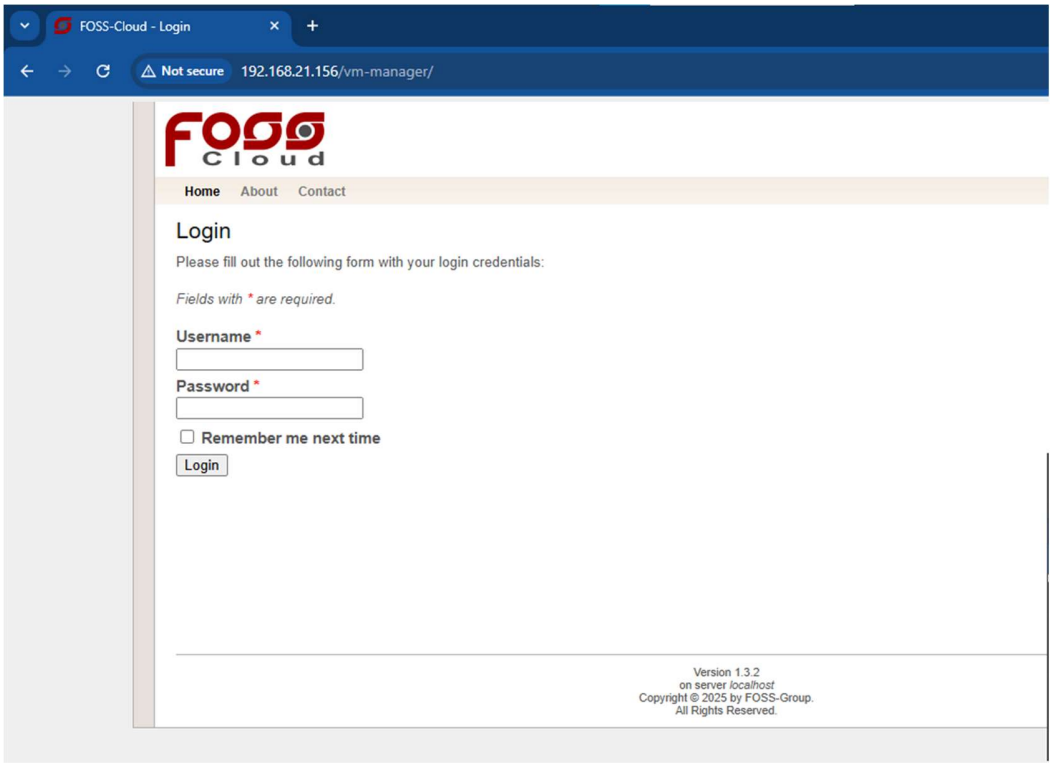
Step 1: Start with the installation process of **virt-viewer** and **spice-client** as shown below.

1. Install virt-viewer.
2. Install spice-client.0.6.3.
3. Open Browser.

- Once you open browser then on the search type**, 192.168.21.156**

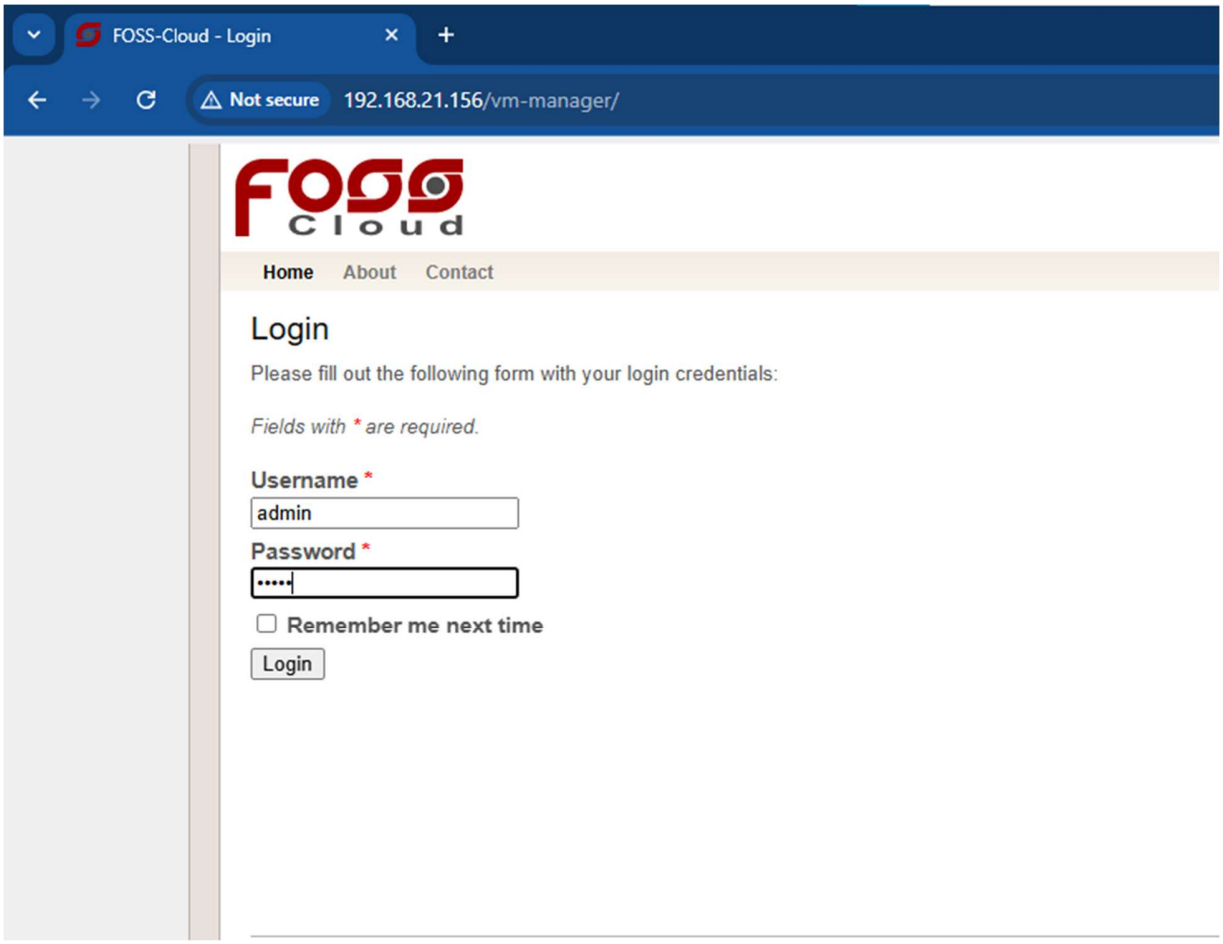


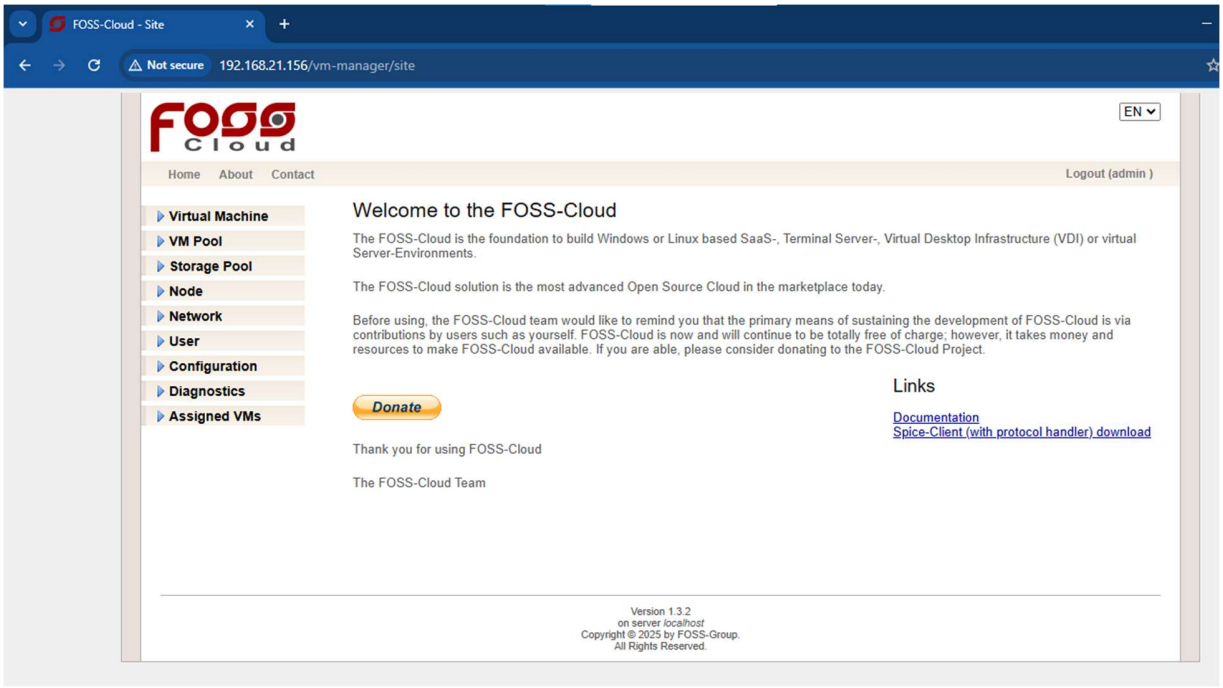
Step 2: After pressing enter login page will displayed.



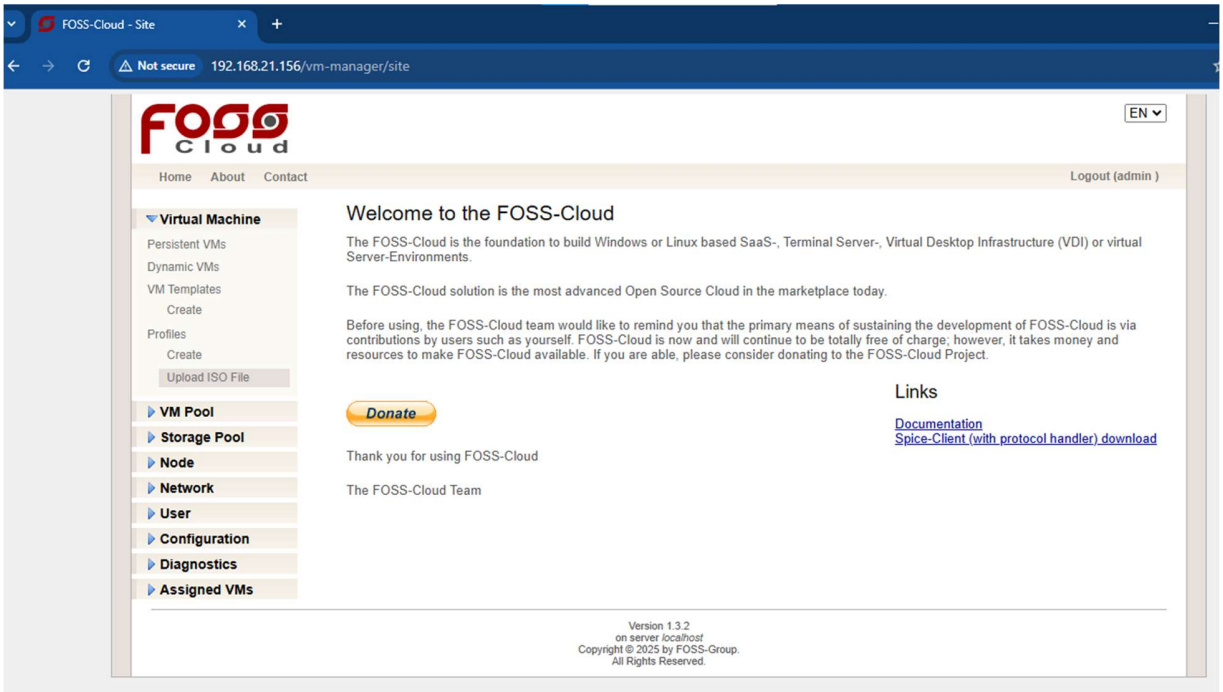
Step 3: Username: admin

Password: admin

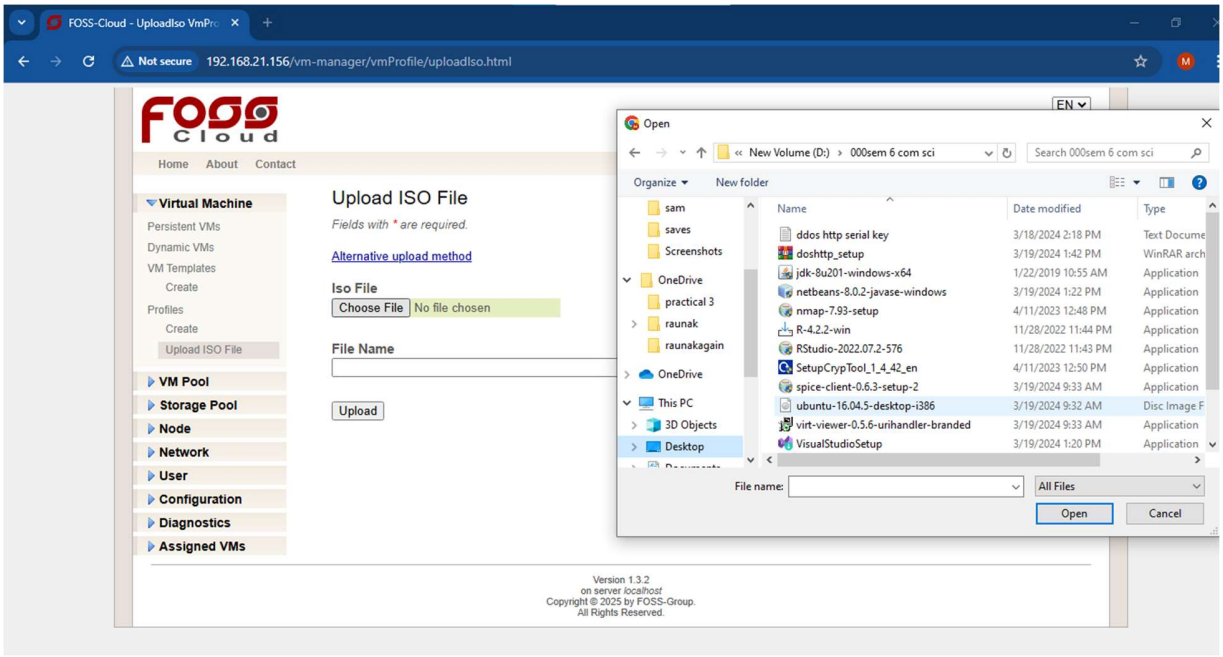


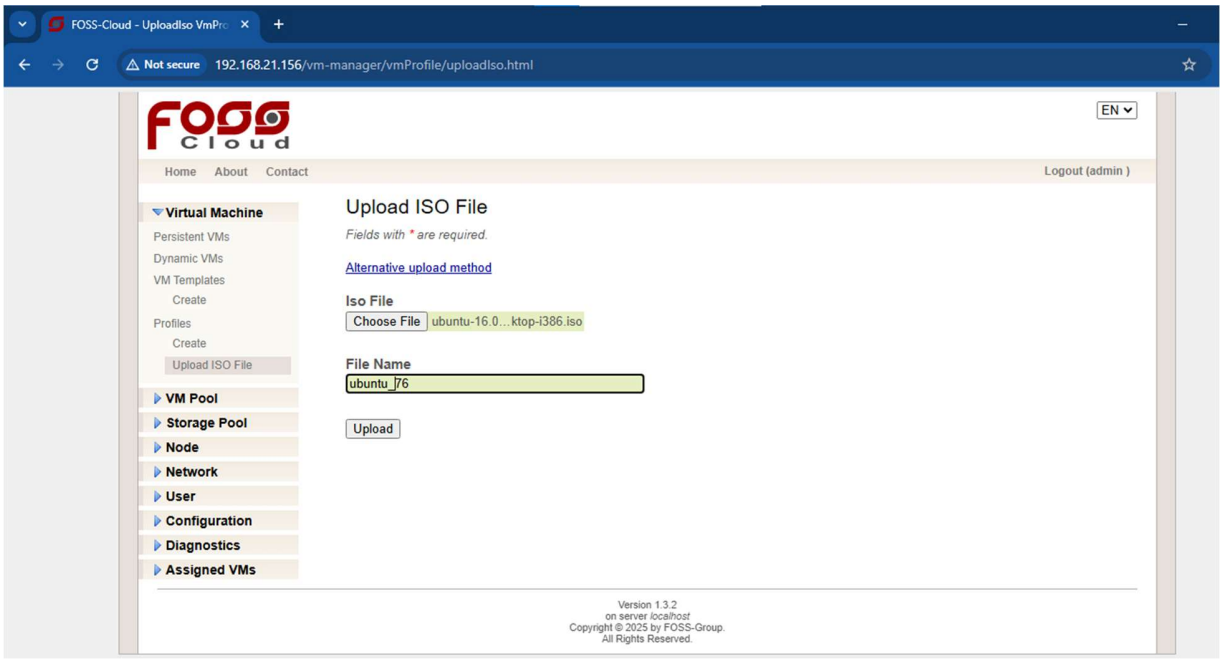


Step 4: From Virtual machine drop menu click -> profiles -> upload ISO file



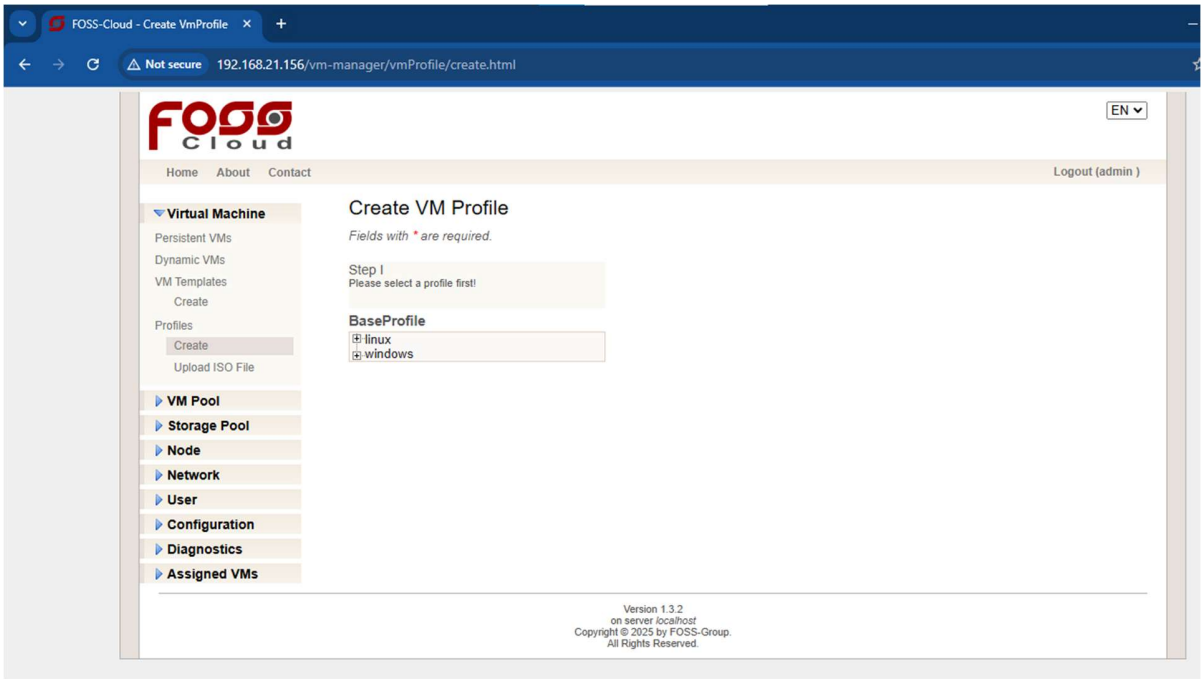
Step 5: Now choose the **ubuntu-16.04.5-desktop-i386 iso-file** from the FOSS cloud folder. Then, give your desired file name to it and click on the upload button**.**



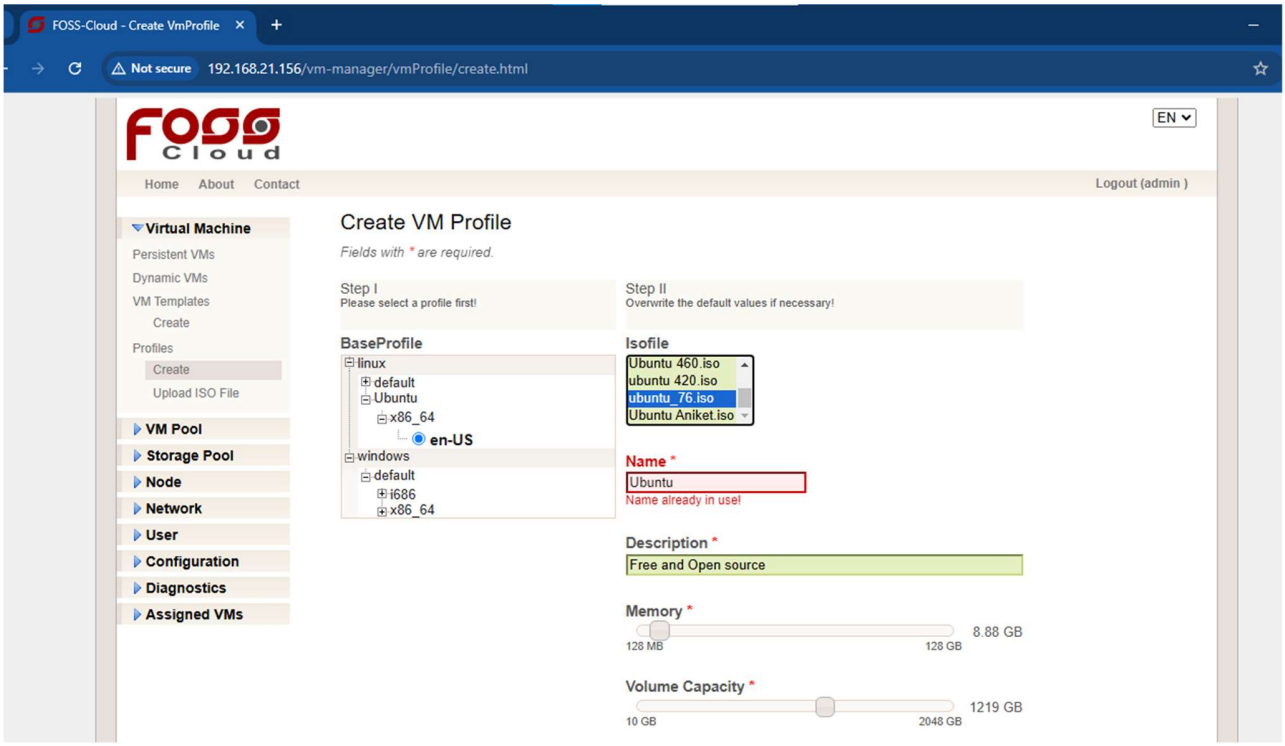


Step 6: From Virtual machine drop down click -> click on profiles -> click on create

The below page will be displayed.

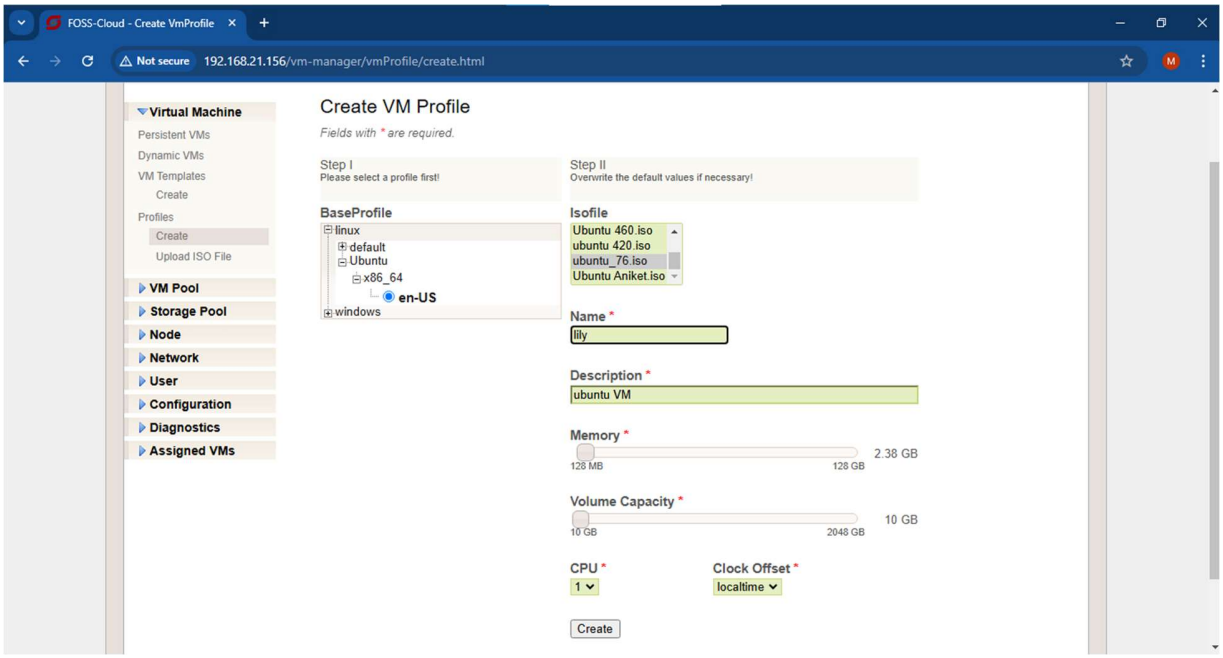


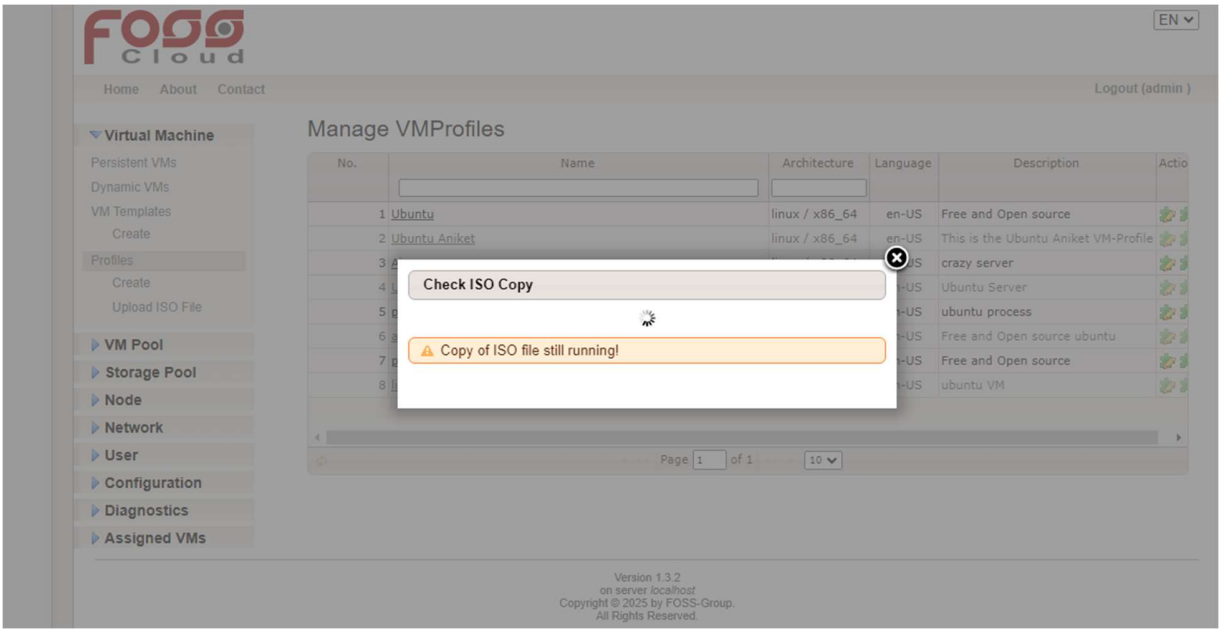
Step 7: Expand Linux BaseProfile -> ubuntu -> x68 -> check box en-Us



Step 8: Once en-US is checked -> beside Isofile will be displayed

1. check for your file name and select it
2. change the name
3. write a description
4. Set memory to 2 GB
5. Set volume to 10 GB
6. Set CPU as 1
7. Set Clock Offset as localtime
8. Then click the create option.



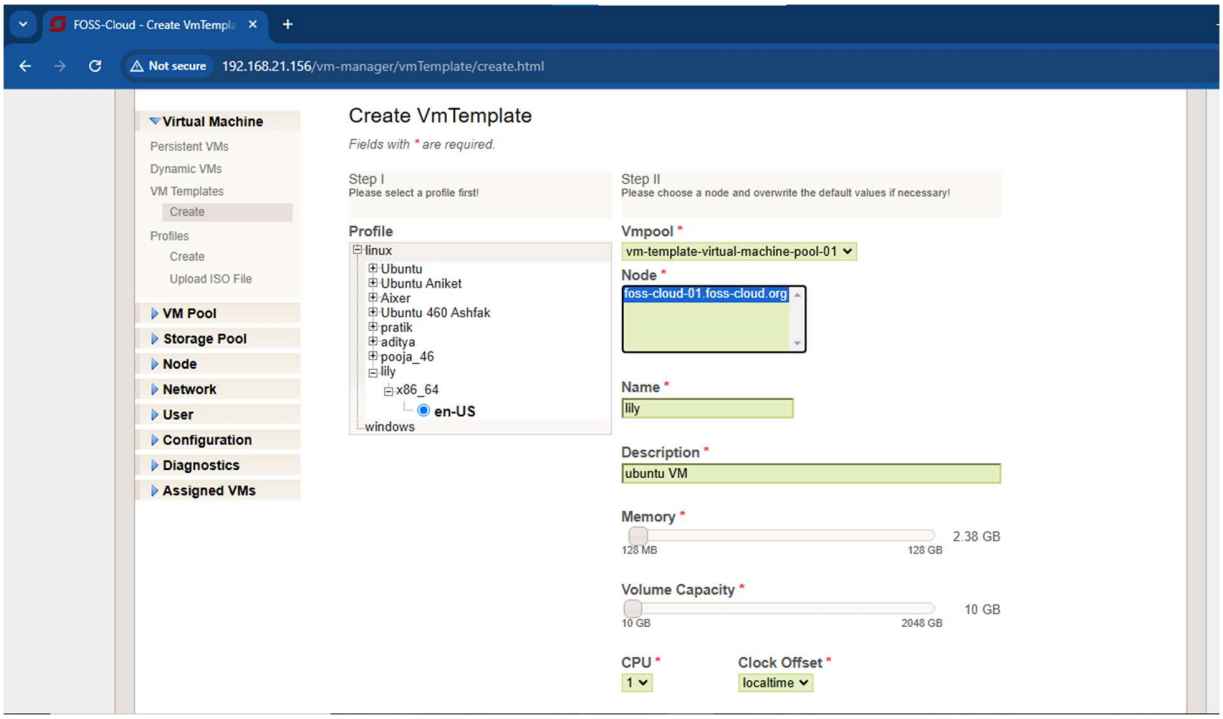


Step 9: <u>Now, we will create a VM template.</u>

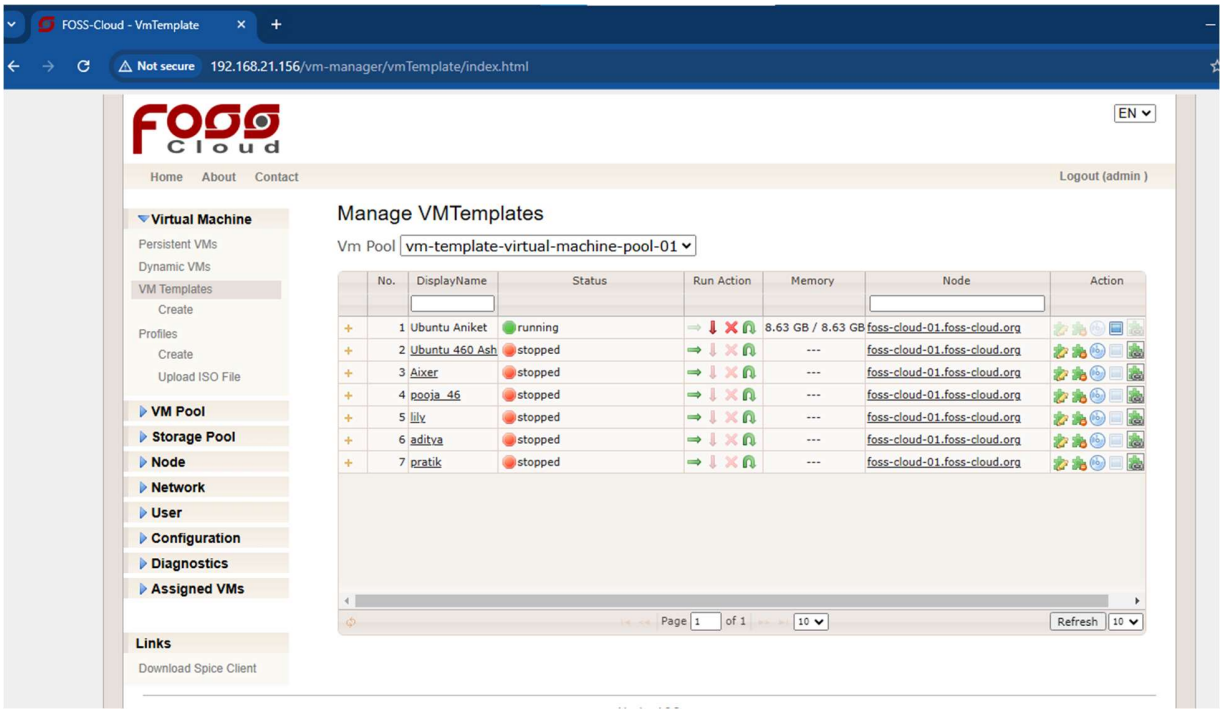
<u>Creating Template</u>

1. Choose the profile you have prepared before.
2. Add the VM-pool and one or more nodes, where you will run this VM (when the chosen VM- pool has only one node assigned, you don't have a choice)
3. You can change all the other information you have entered before

Click on "create" and the template is ready for installing the guest operating system

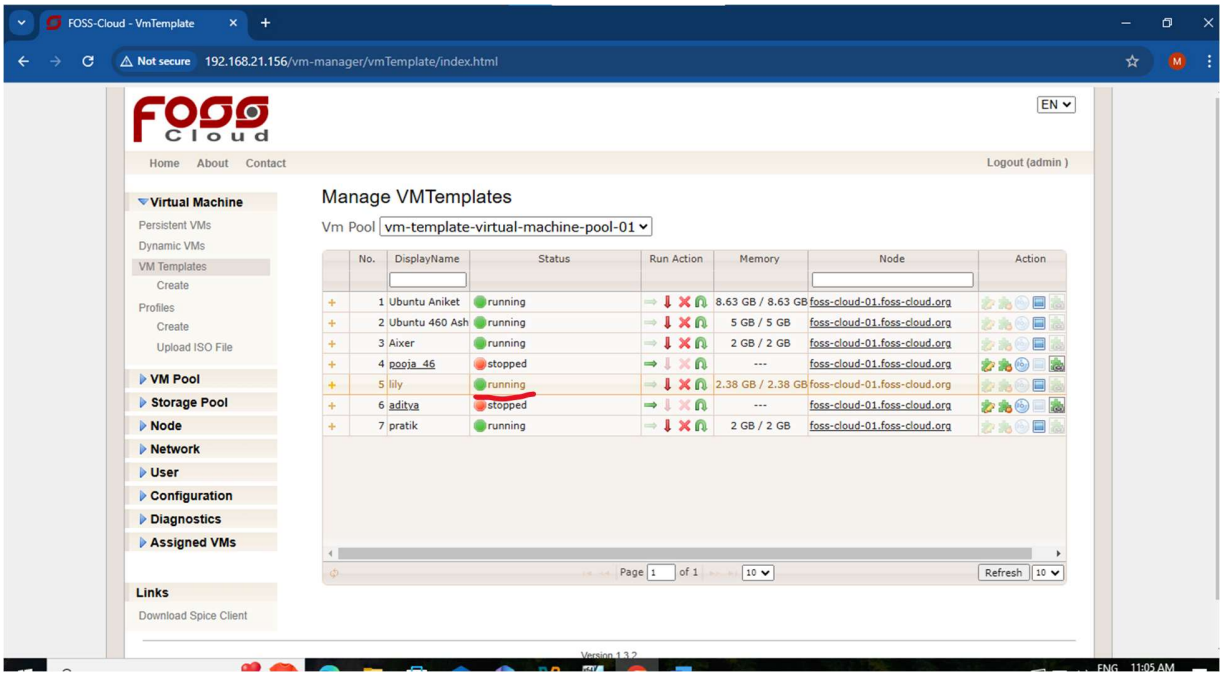


Step 10: Once you create your virtual machine template you will be able to see your **VM template**

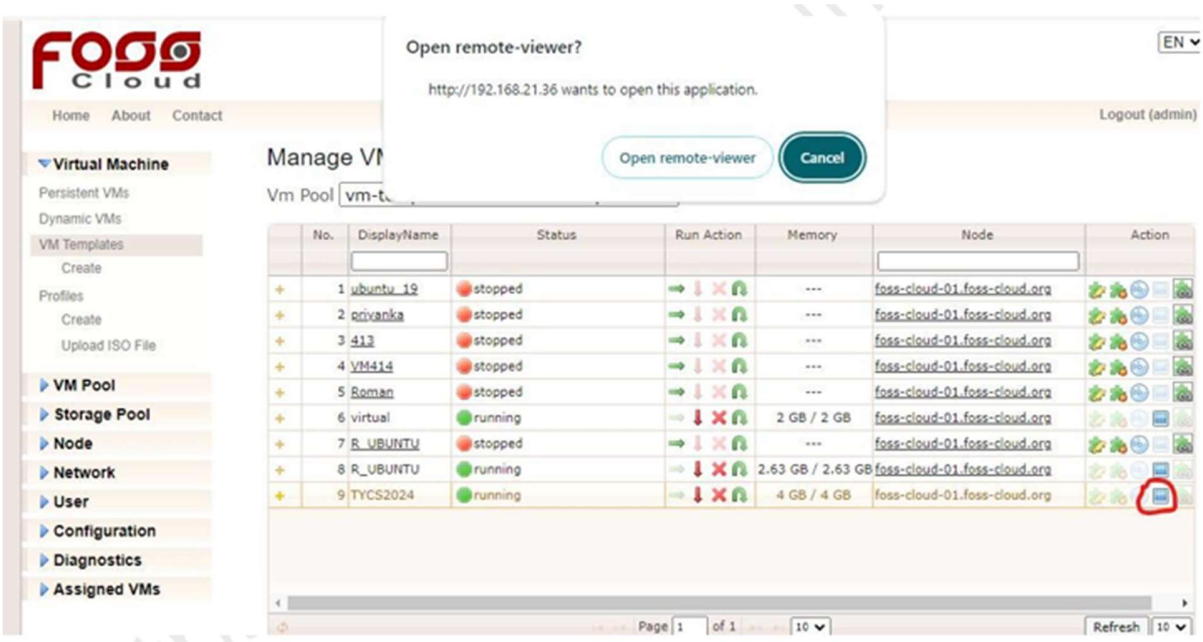


As you can see the 5th row of Display column our template is created.

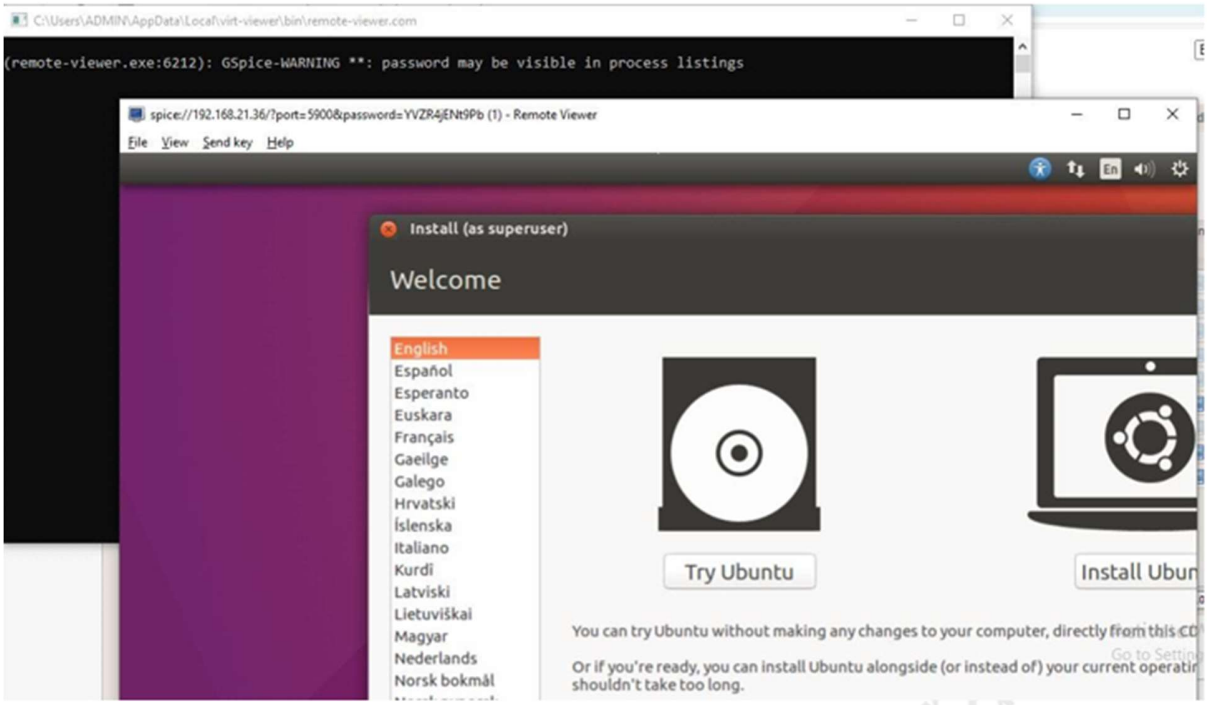
Step 11: To start or to update our template status, click on the green arrow from the Run Action



Step 12: Now click on Use Template in Action column of your corresponding template

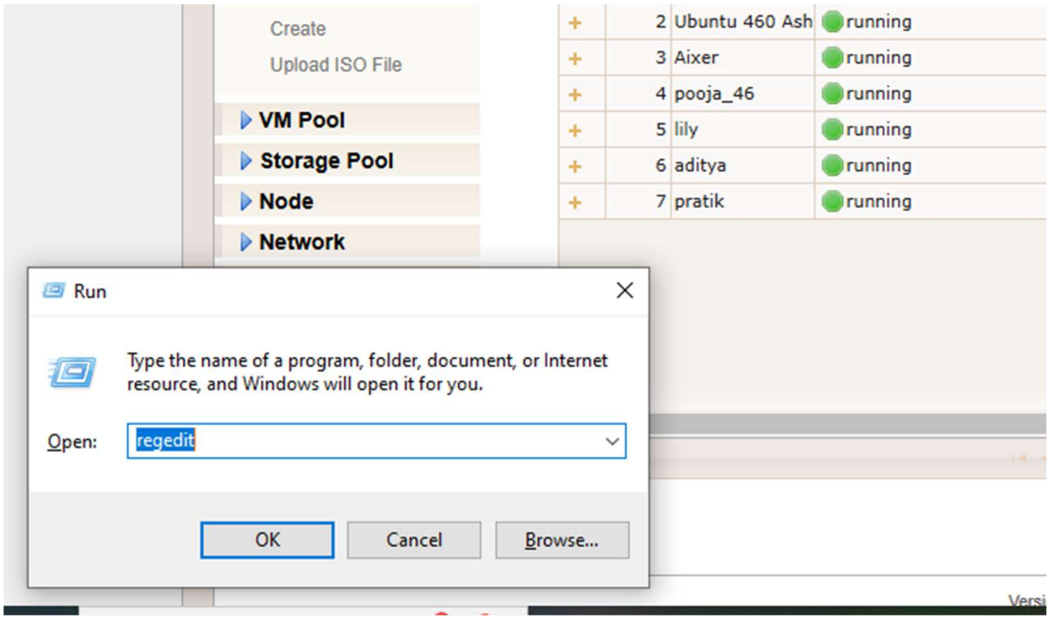


Step 13: Just after clicking on, it a pop up would appear to Open remote-viewer? click on Open-remote- viewer button, you will see the following screen.



Note :- If you don't see the above screen follow the below given steps

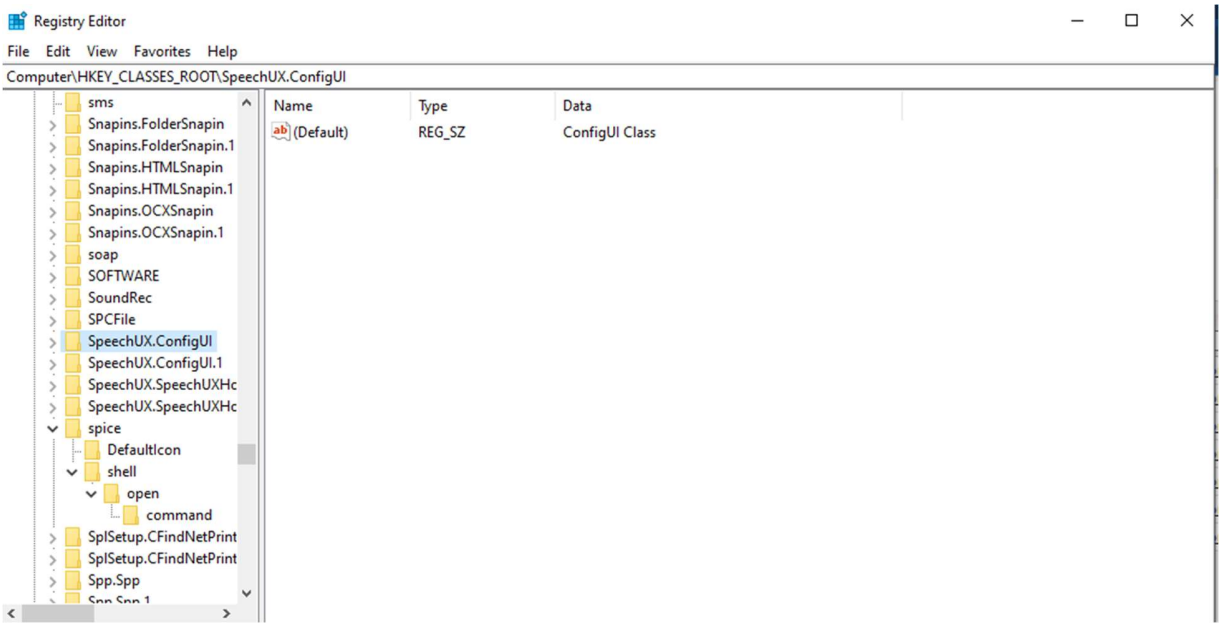
1. First press window + r, then type regedit and click ok



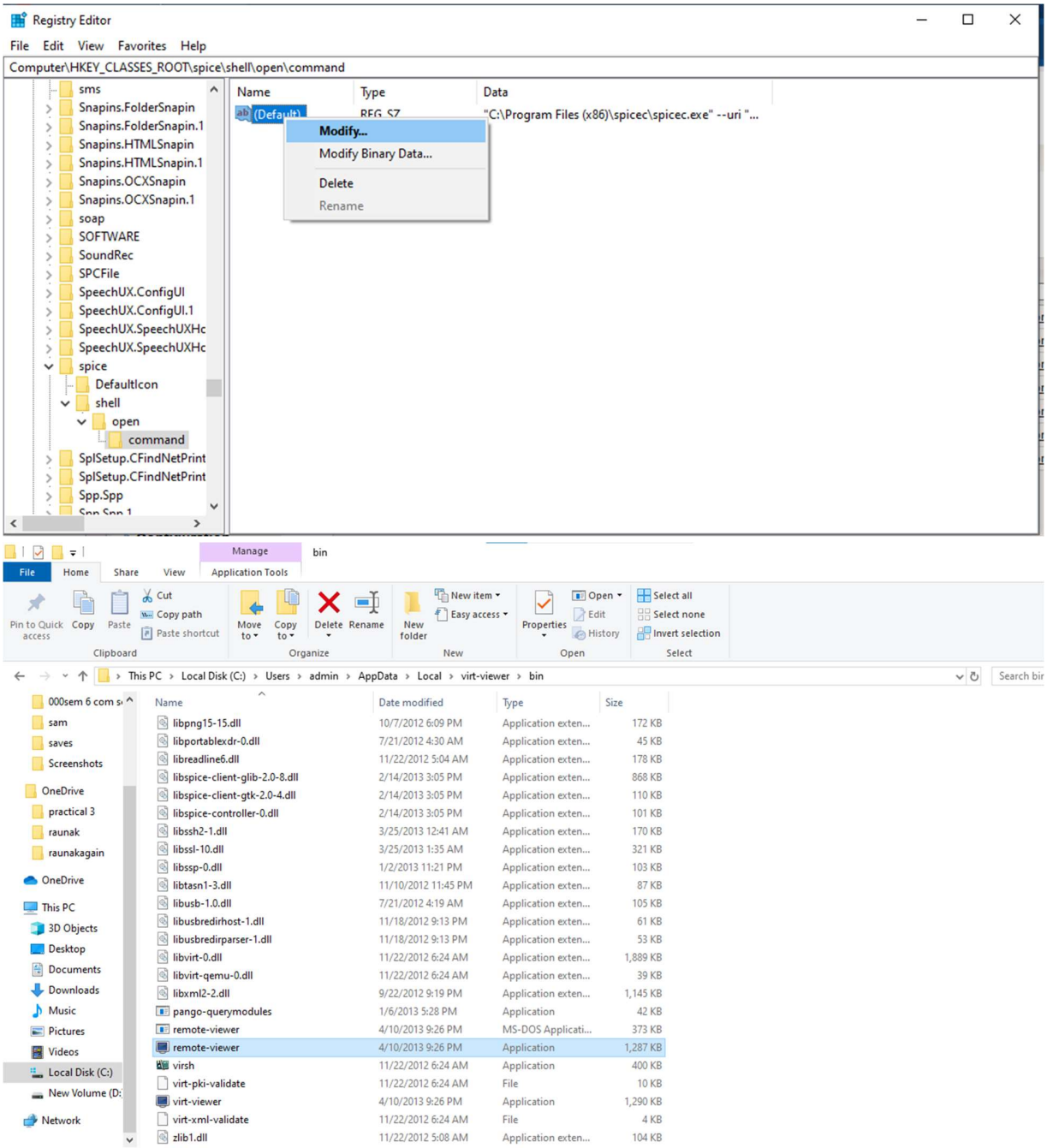
2. Further permissions tab will open then click yes, and a regedit editor will get open.

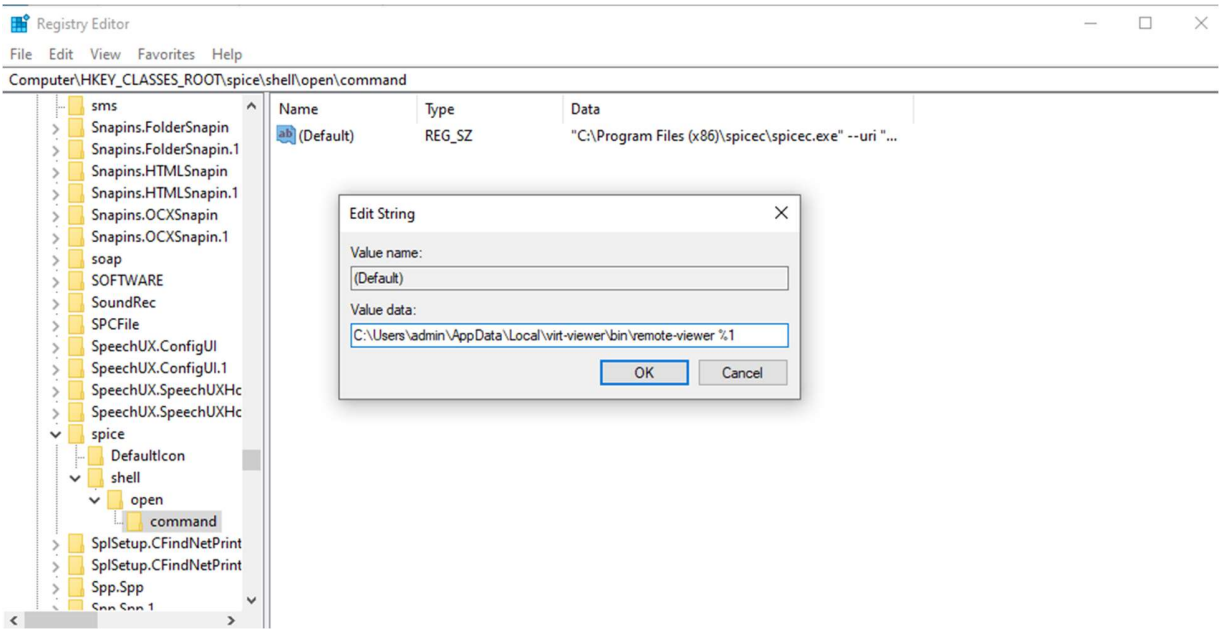
3. In the Registry Editor a list of directories would appear, in those lists of directories search for the spice directory.

4. Keep on expanding the spice directory until you reach the command section.



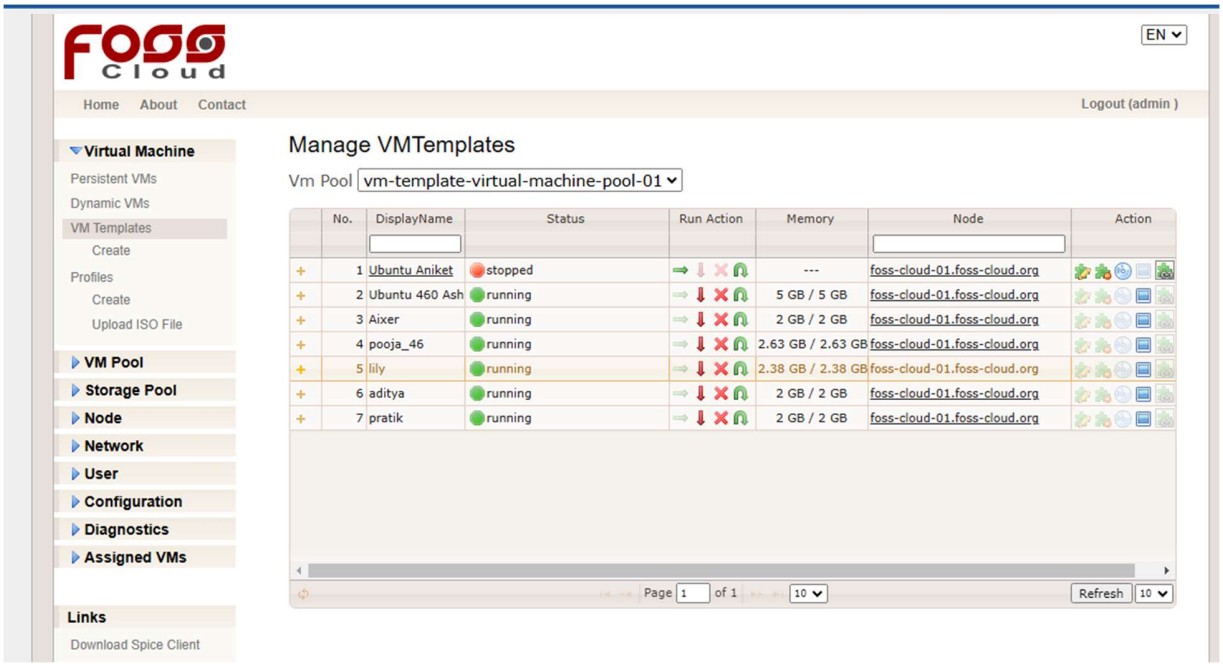
5. Then click on the default file and a pop up will appear, then you have to paste the path **C:\Users\ADMIN\AppData\Local\virt-viewer\bin** in the value data and **also type %1 in last**. Once done the above screen will appear.

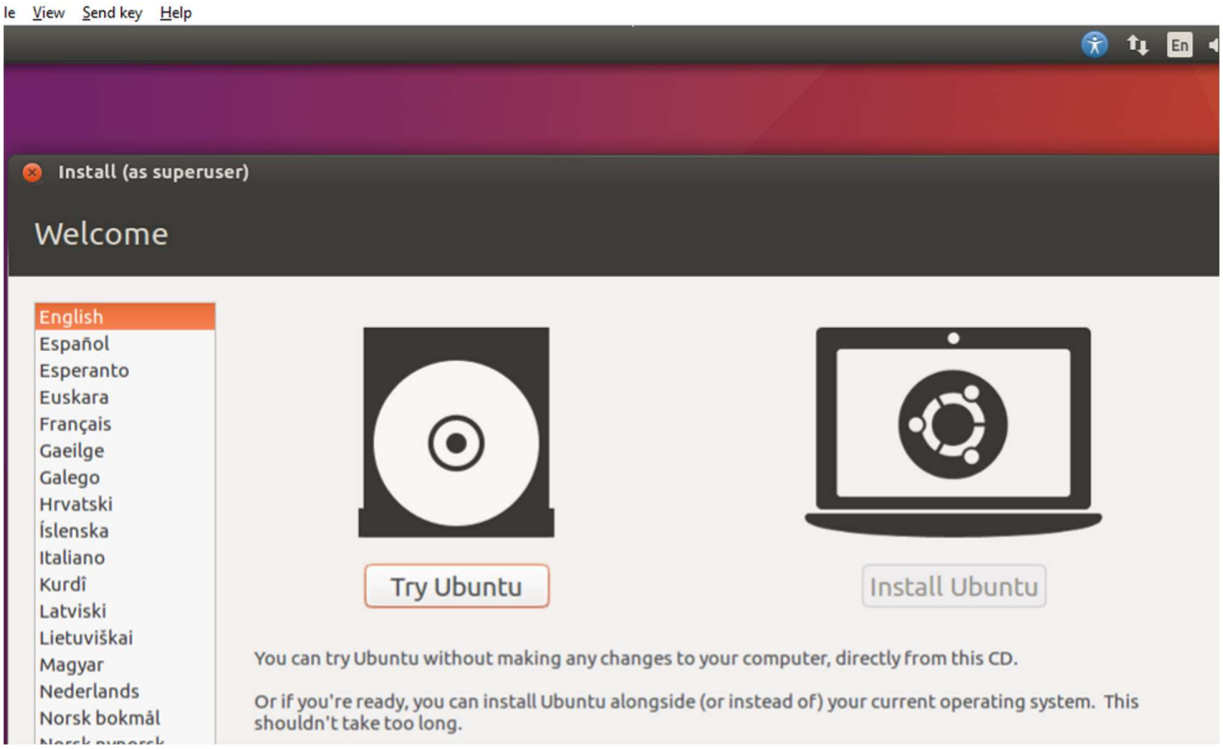

Registry Editor
File Edit View Favorites Help
Computer\HKEY_CLASSES_ROOT\spice\shell\open\command
Name
Type
Data
(Default)
REG_SZ
"C:\Program Files (x86)\spicec\spicec.exe" --uri "...
Modify...
Modify Binary Data...
Delete
Rename
sms
Snapins.FolderSnapin
Snapins.FolderSnapin.1
Snapins.HTMLSnapin
Snapins.HTMLSnapin.1
Snapins.OCXSnapin
Snapins.OCXSnapin.1
soap
SOFTWARE
SoundRec
SPCFile
SpeechUX.ConfigUI
SpeechUX.ConfigUI.1
SpeechUX.SpeechUXHc
SpeechUX.SpeechUXHc
spice
DefaultIcon
shell
open
command
SplSetup.CFindNetPrint
SplSetup.CFindNetPrint
Spp.Spp
Manage
bin
File
Home
Share
View
Application Tools
Pin to Quick access
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New item
Easy access
New
Properties
Open
Edit
History
Open
Select all
Select none
Invert selection
Select
This PC › Local Disk (C:) › Users › admin › AppData › Local › virt-viewer › bin
Search bin
000sem 6 com s
sam
saves
Screenshots
OneDrive
practical 3
raunak
raunakagain
OneDrive
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
New Volume (D:
Network
Name
Date modified
Type
Size
libpng15-15.dll 10/7/2012 6:09 PM Application exten... 172 KB
libportablexdr-0.dll 7/21/2012 4:30 AM Application exten... 45 KB
libreadline6.dll 11/22/2012 5:04 AM Application exten... 178 KB
libspice-client-glib-2.0-8.dll 2/14/2013 3:05 PM Application exten... 868 KB
libspice-client-gtk-2.0-4.dll 2/14/2013 3:05 PM Application exten... 110 KB
libspice-controller-0.dll 2/14/2013 3:05 PM Application exten... 101 KB
libssh2-1.dll 3/25/2013 12:41 AM Application exten... 170 KB
libssl-10.dll 3/25/2013 1:35 AM Application exten... 321 KB
libssp-0.dll 1/2/2013 11:21 PM Application exten... 103 KB
libtasn1-3.dll 11/10/2012 11:45 PM Application exten... 87 KB
libusb-1.0.dll 7/21/2012 4:19 AM Application exten... 105 KB
libusbredirhost-1.dll 11/18/2012 9:13 PM Application exten... 61 KB
libusbredirparser-1.dll 11/18/2012 9:13 PM Application exten... 53 KB
libvirt-0.dll 11/22/2012 6:24 AM Application exten... 1,889 KB
libvirt-qemu-0.dll 11/22/2012 6:24 AM Application exten... 39 KB
libxml2-2.dll 9/22/2012 9:19 PM Application exten... 1,145 KB
pango-querymodules 1/6/2013 5:28 PM Application 42 KB
remote-viewer 4/10/2013 9:26 PM MS-DOS Applicati... 373 KB
remote-viewer 4/10/2013 9:26 PM Application 1,287 KB
virsh 11/22/2012 6:24 AM Application 400 KB
virt-pki-validate 11/22/2012 6:24 AM File 10 KB
virt-viewer 4/10/2013 9:26 PM Application 1,290 KB
virt-xml-validate 11/22/2012 6:24 AM File 4 KB
zlib1.dll 11/22/2012 5:08 AM Application exten... 104 KB



Finally, after clicking on remote viewer button a command line come where a graphical control loading and getting connected will be displayed and then finally the ubuntu will get open.

Step 14: On opening of ubuntu click on try ubuntu. Now, you can use ubuntu on your virtual machine.





Step 15: Once Ubuntu has been opened open the terminal and type any commands for checking if installation of ubuntu is properly working or not.