

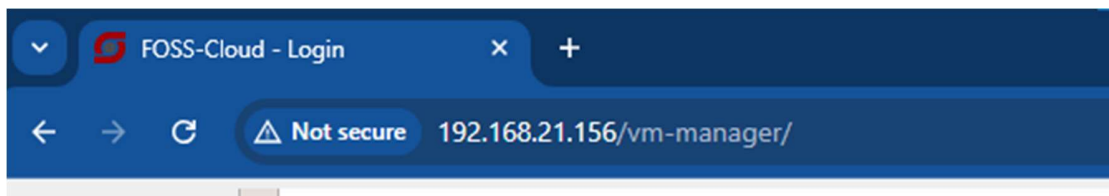
PRACTICAL NO: 07

AIM: Implement FOSS- Cloud Functionality Virtual Server Infrastructure (VSI) for creating Virtual Machine.

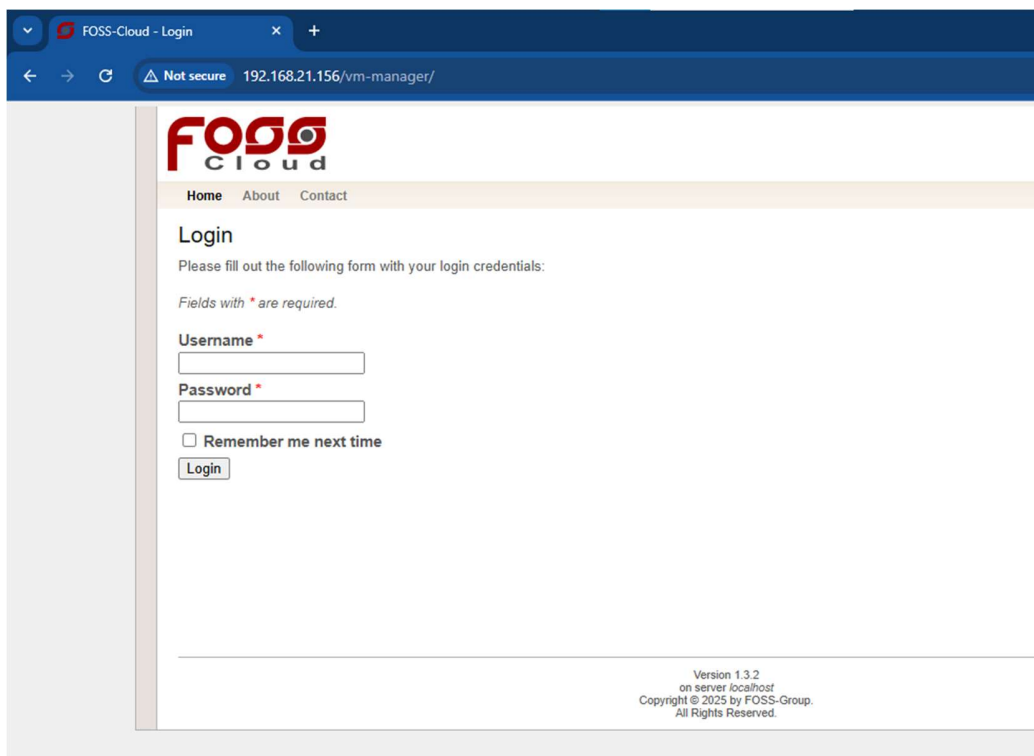
Step 1: Start with the installation process of **virt-viewer** and **spice-client** as shown below.

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**

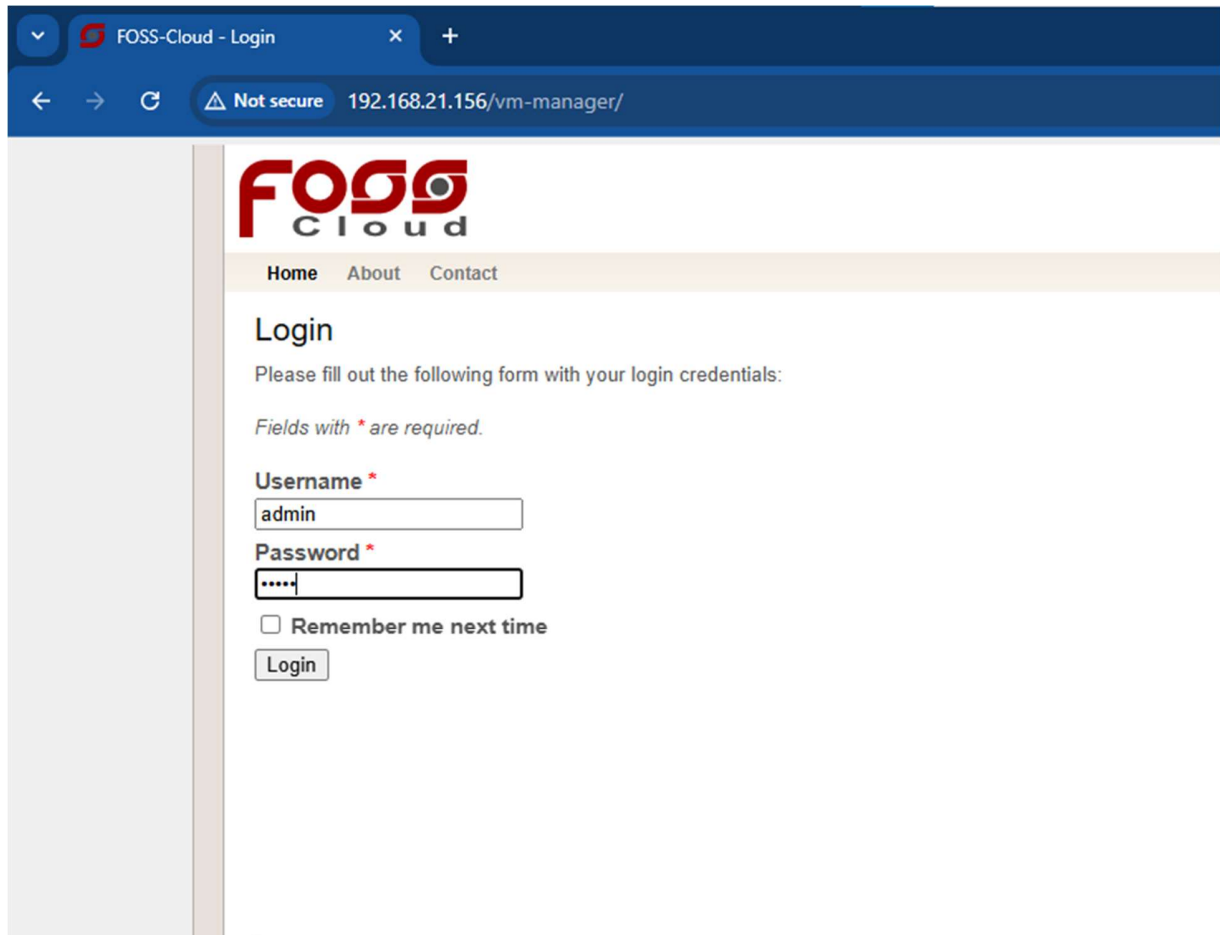


Step 2: After pressing enter login page will displayed.



Step 3: Username: admin

Password: admin



The screenshot shows a web browser window with the title "FOSS-Cloud - Login". The address bar shows the URL "192.168.21.156/vm-manager/" with a "Not secure" warning. The page features the "FOSS Cloud" logo and a navigation menu with "Home", "About", and "Contact". The main content area is titled "Login" and contains the following text: "Please fill out the following form with your login credentials:" and "Fields with * are required." The form includes a "Username *" field with the value "admin", a "Password *" field with masked characters ".....", a checkbox for "Remember me next time", and a "Login" button.

FOSS-Cloud - Login

Not secure 192.168.21.156/vm-manager/

FOSS Cloud

Home About Contact

Login

Please fill out the following form with your login credentials:

Fields with * are required.

Username *

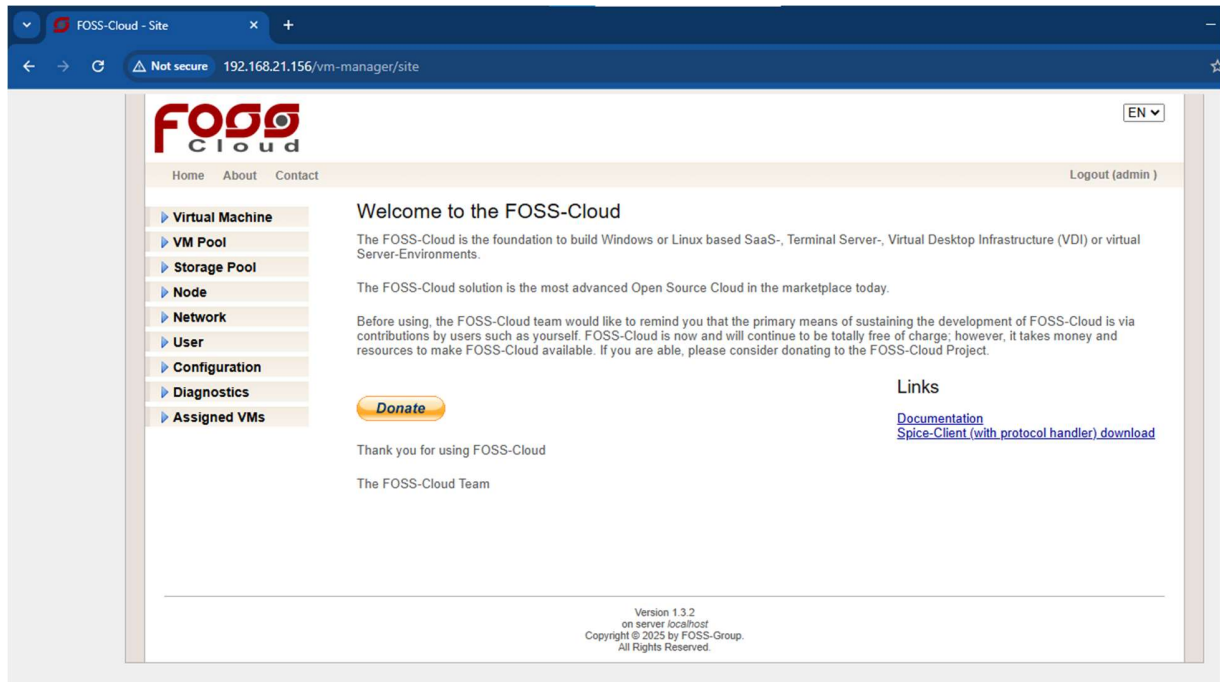
admin

Password *

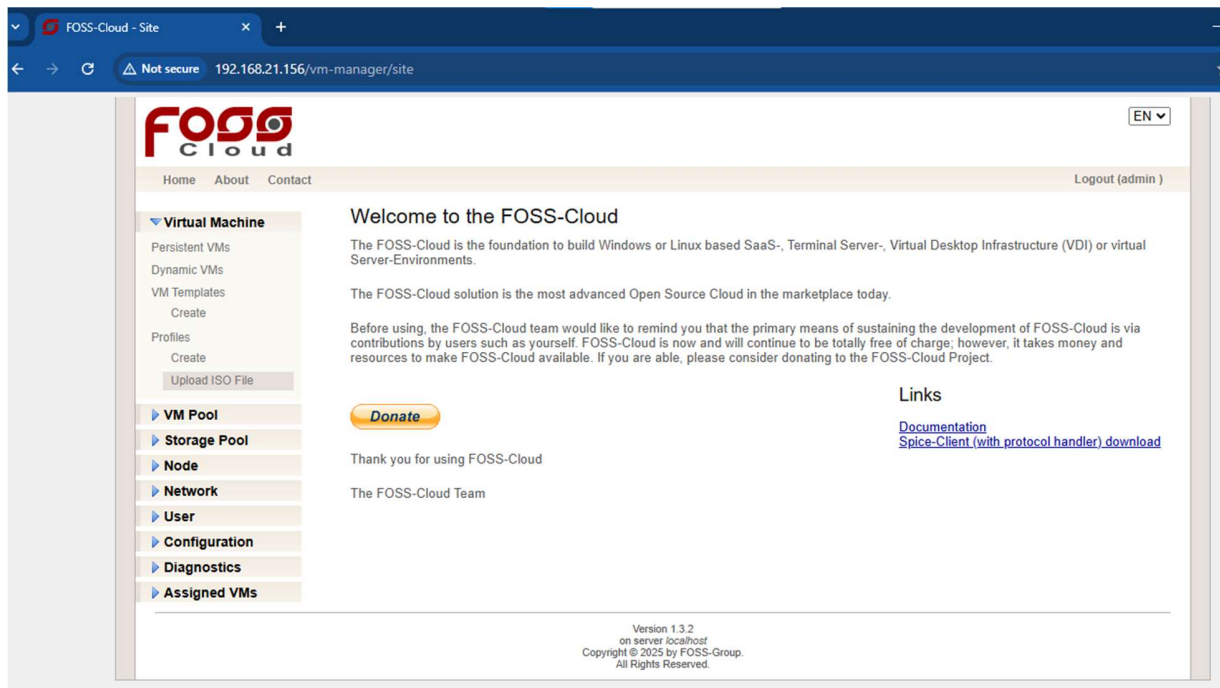
.....

☐ Remember me next time

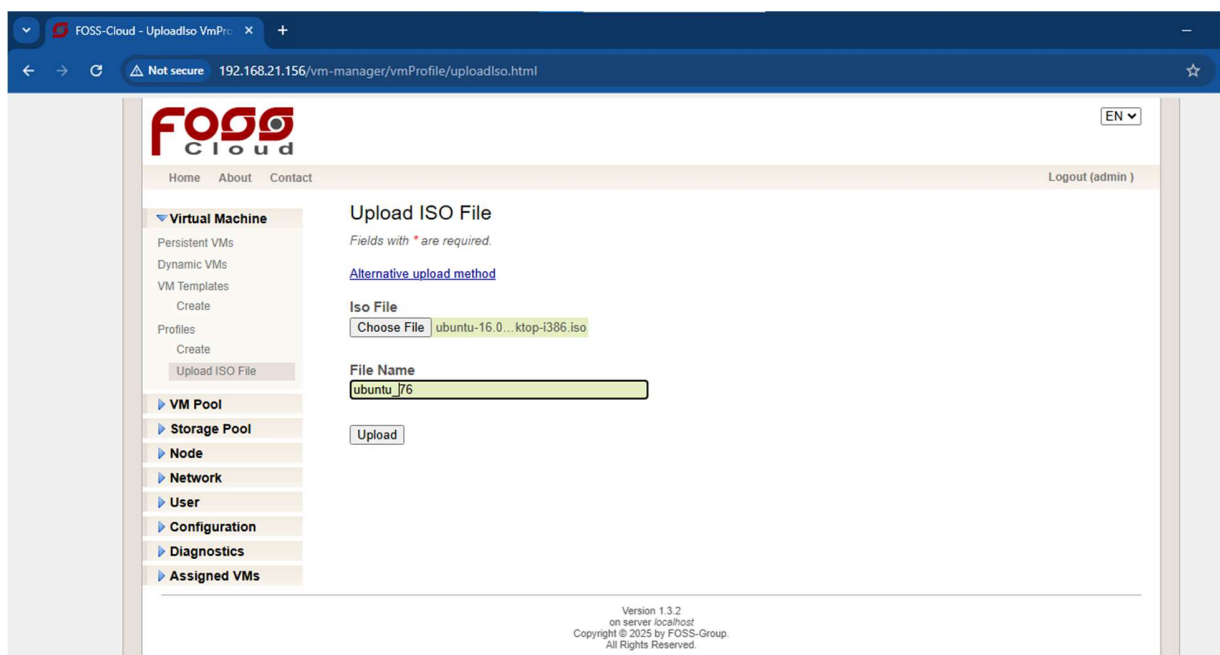
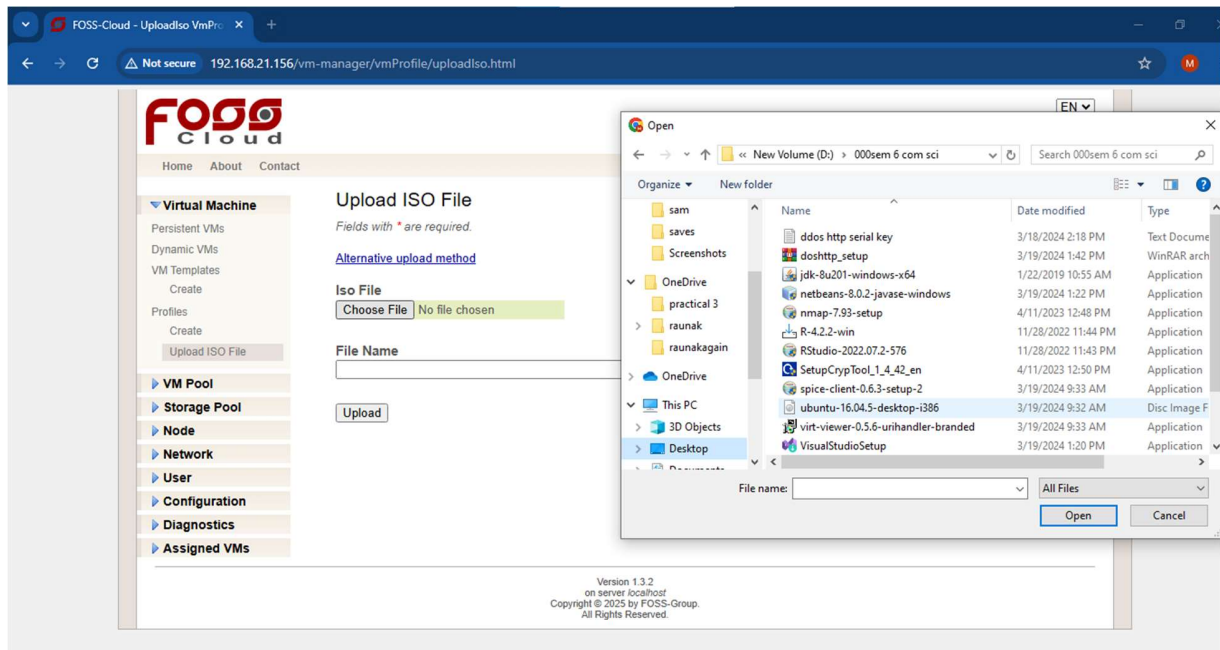
Login



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

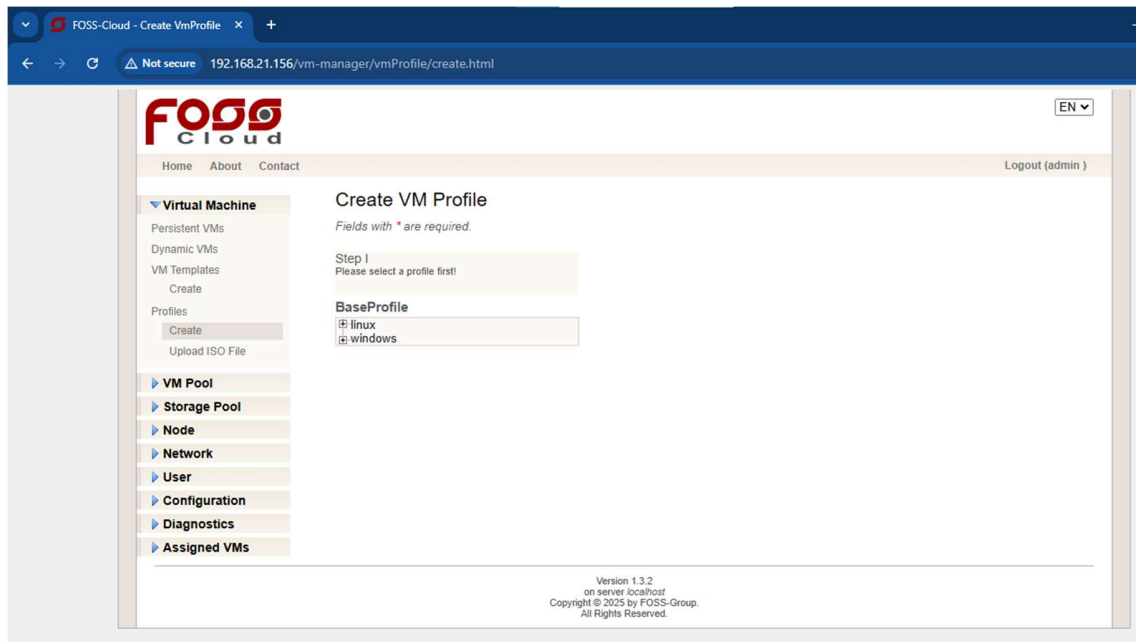


Step 5: Now choose the **ubuntu-16.04.5-desktop-i386 iso-file** from the FOSS cloud folder. Then, give your desired file name to it and click on the upload button.

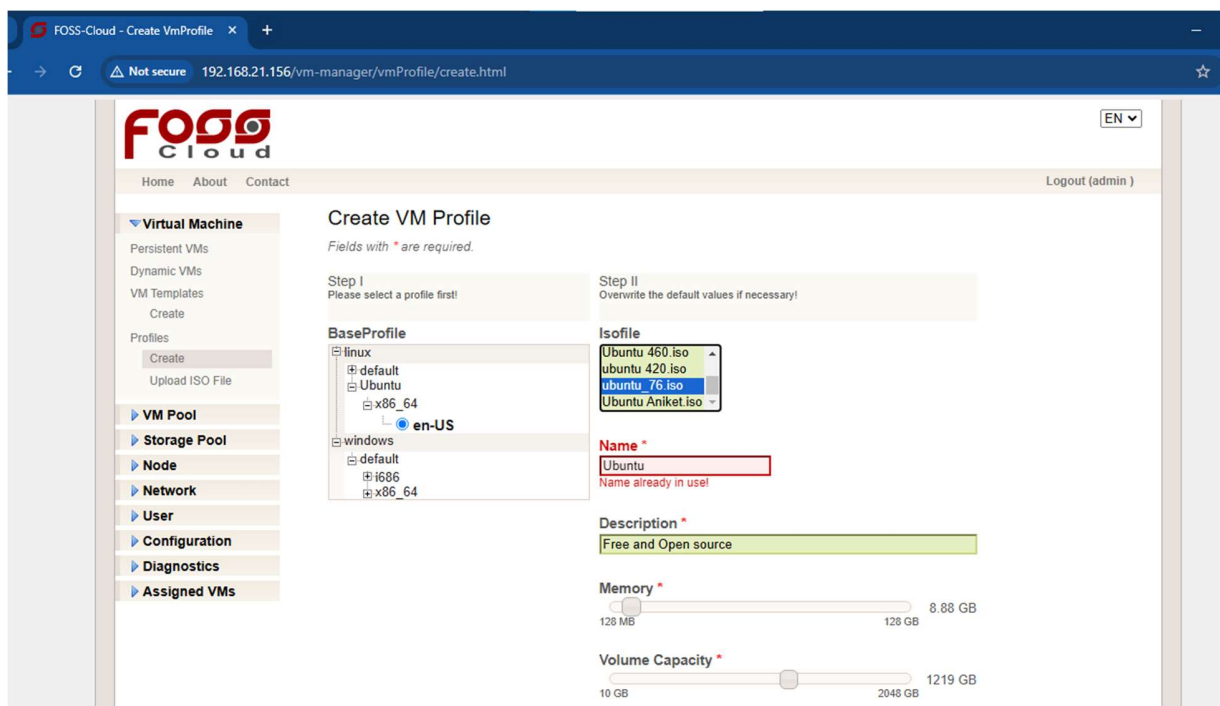


Step 6: From Virtual machine drop down click -> click on profiles -> click on create

The below page will be displayed.



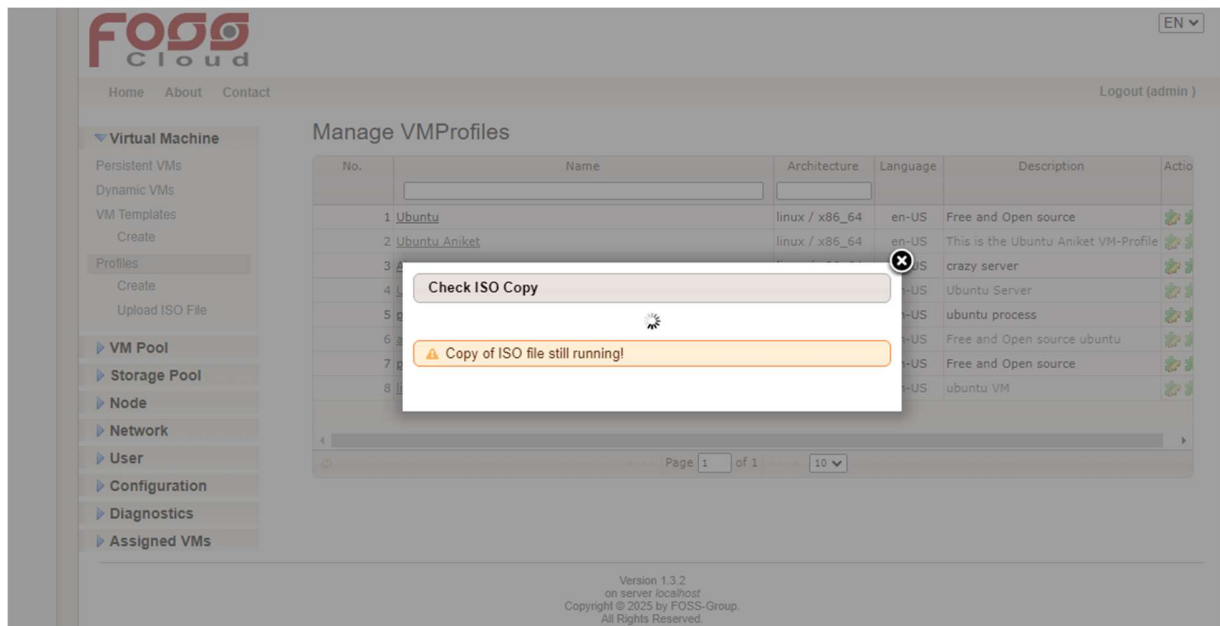
Step 7: Expand Linux BaseProfile -> ubuntu -> x68 -> check box en-US



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.

The screenshot shows the 'Create VM Profile' web interface in a browser. The browser's address bar shows the URL '192.168.21.156/vm-manager/vmProfile/create.html'. On the left, a sidebar menu lists various options: Virtual Machine (with sub-items Persistent VMs, Dynamic VMs, VM Templates, and Create), Profiles (with sub-items Create and Upload ISO File), VM Pool, Storage Pool, Node, Network, User, Configuration, Diagnostics, and Assigned VMs. The main content area is titled 'Create VM Profile' and includes a note 'Fields with * are required.' It is divided into two steps: Step I 'Please select a profile first!' and Step II 'Overwrite the default values if necessary!'. In Step I, the 'BaseProfile' tree shows 'linux' > 'default' > 'Ubuntu' > 'x86_64' > 'en-US' selected. In Step II, the 'Isofile' dropdown is set to 'Ubuntu 460.iso'. Below this, the 'Name' field contains 'lily', the 'Description' field contains 'ubuntu VM', the 'Memory' slider is set to 2.38 GB (with a range from 128 MB to 128 GB), the 'Volume Capacity' slider is set to 10 GB (with a range from 10 GB to 2048 GB), the 'CPU' dropdown is set to '1', and the 'Clock Offset' dropdown is set to 'localtime'. A 'Create' button is located at the bottom of the form.



Step 9: Now, we will create a VM template.

Creating Template

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

Create VmTemplate

Fields with * are required.

Step I
Please select a profile first!

Profile

- linux
 - Ubuntu
 - Ubuntu Aniket
 - Aixer
 - Ubuntu 460 Ashfak
 - pratik
 - aditya
 - pooja_46
 - lily
 - x86_64
 - en-US
 - windows

Step II
Please choose a node and overwrite the default values if necessary!

Vmpool *
vm-template-virtual-machine-pool-01

Node *
foss-cloud-01.foss-cloud.org

Name *
lily

Description *
ubuntu VM

Memory *
128 MB to 2.38 GB

Volume Capacity *
10 GB to 2048 GB

CPU *
1

Clock Offset *
localtime

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

Manage VMTemplates

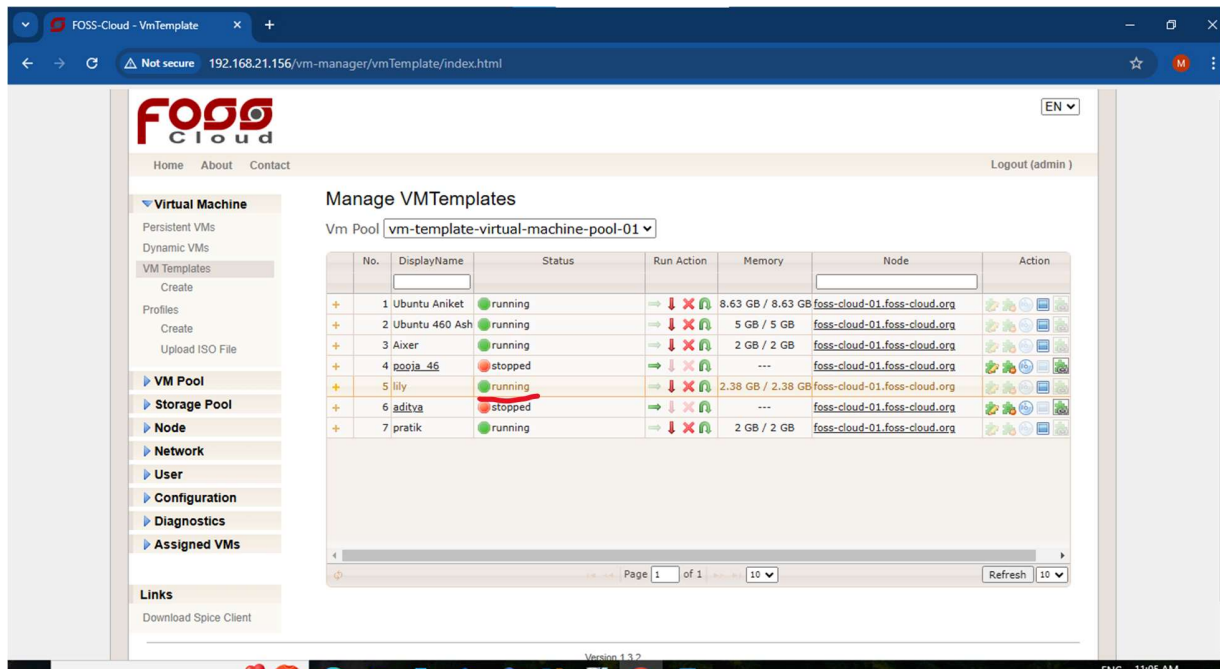
Vm Pool: vm-template-virtual-machine-pool-01

No.	DisplayName	Status	Run Action	Memory	Node	Action
1	Ubuntu Aniket	running	→ ↓ × ↻	8.63 GB / 8.63 GB	foss-cloud-01.foss-cloud.org	⚙️ 🔄 🗑️
2	Ubuntu 460 Ash	stopped	→ ↓ × ↻	---	foss-cloud-01.foss-cloud.org	⚙️ 🔄 🗑️
3	Aixer	stopped	→ ↓ × ↻	---	foss-cloud-01.foss-cloud.org	⚙️ 🔄 🗑️
4	pooja_46	stopped	→ ↓ × ↻	---	foss-cloud-01.foss-cloud.org	⚙️ 🔄 🗑️
5	lily	stopped	→ ↓ × ↻	---	foss-cloud-01.foss-cloud.org	⚙️ 🔄 🗑️
6	aditya	stopped	→ ↓ × ↻	---	foss-cloud-01.foss-cloud.org	⚙️ 🔄 🗑️
7	pratik	stopped	→ ↓ × ↻	---	foss-cloud-01.foss-cloud.org	⚙️ 🔄 🗑️

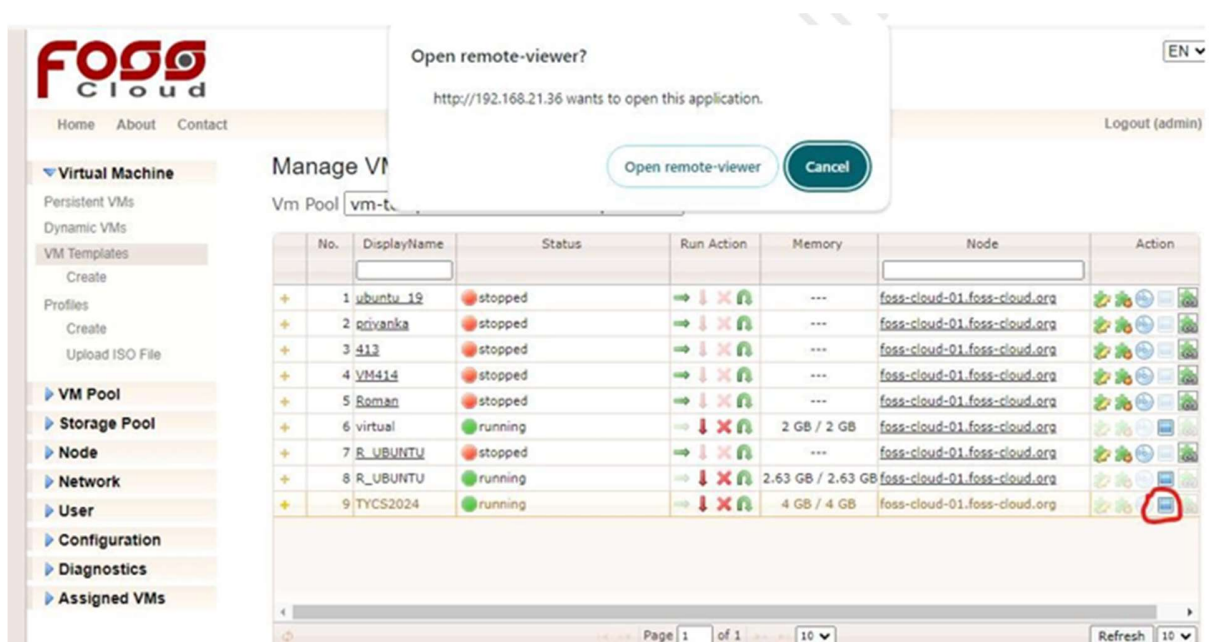
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As you can see the 5th row of Display column our template is created.

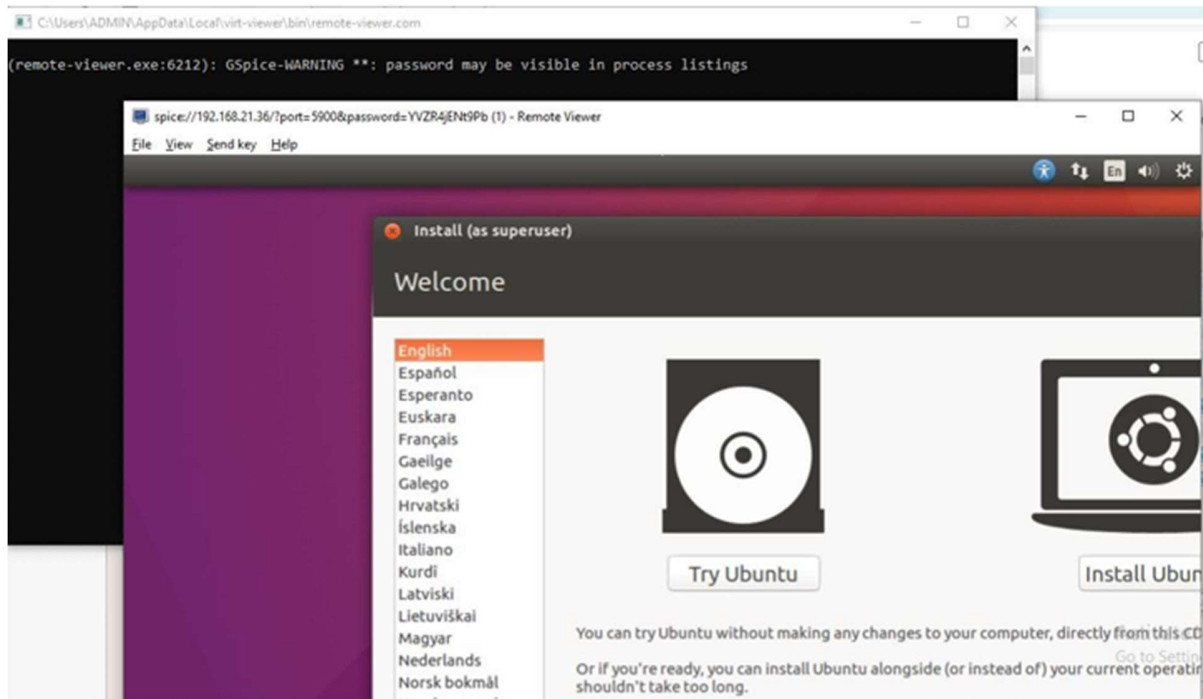
Step 11: To start or to update our template status, click on the green arrow from the Run Action



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

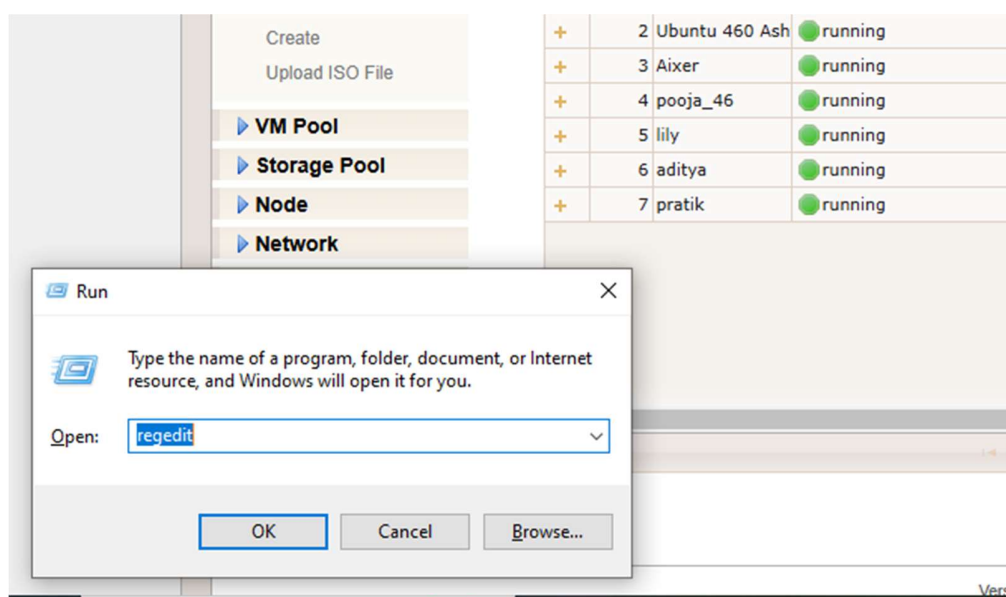


Step 13: Just after clicking on, it a pop up would appear to Open remote-viewer? click on Open-remote- viewer button, you will see the following screen.

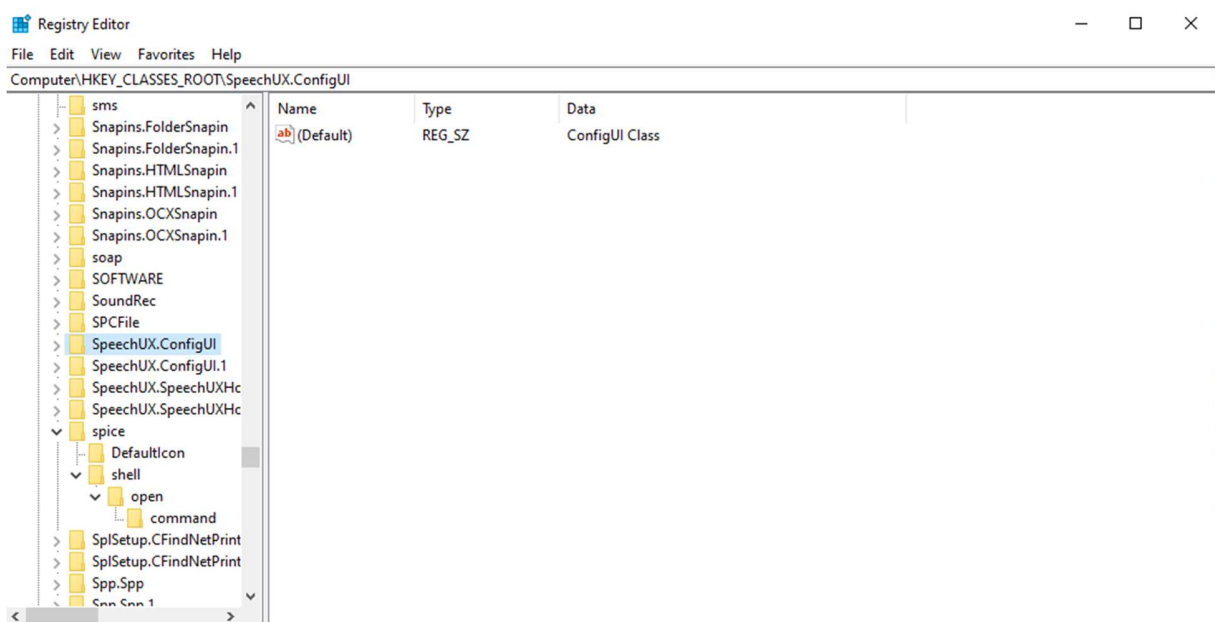


Note :- If you don't see the above screen follow the below given steps

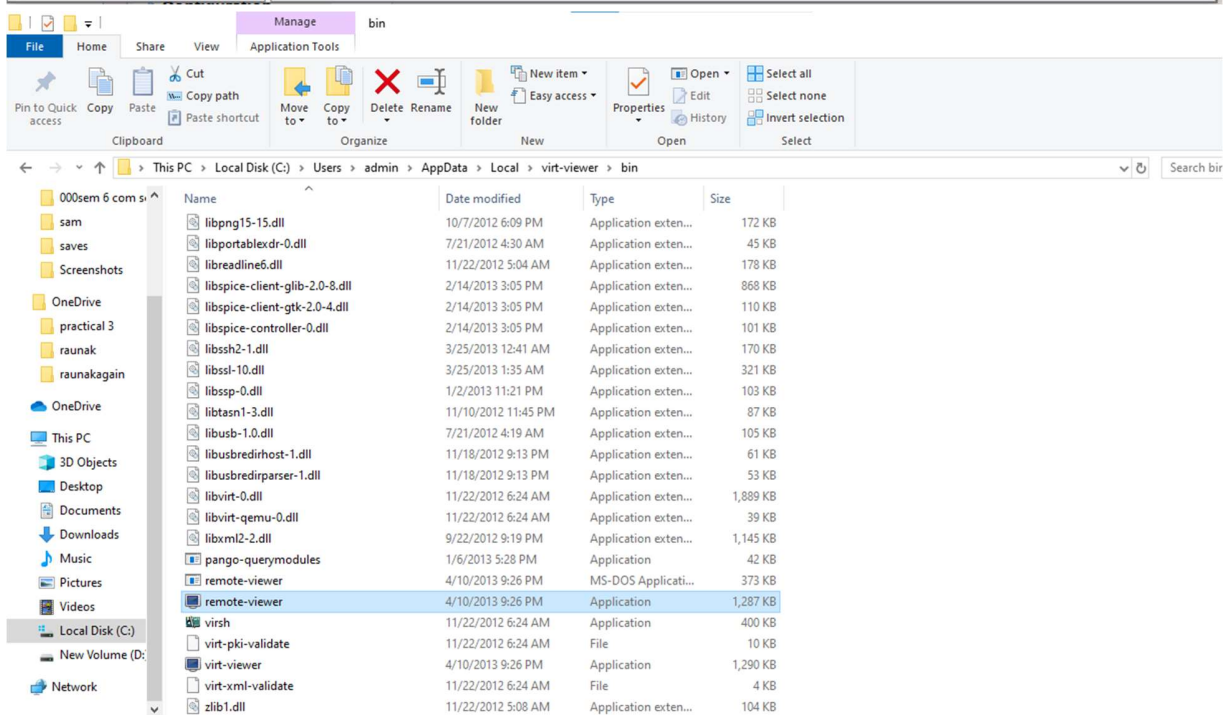
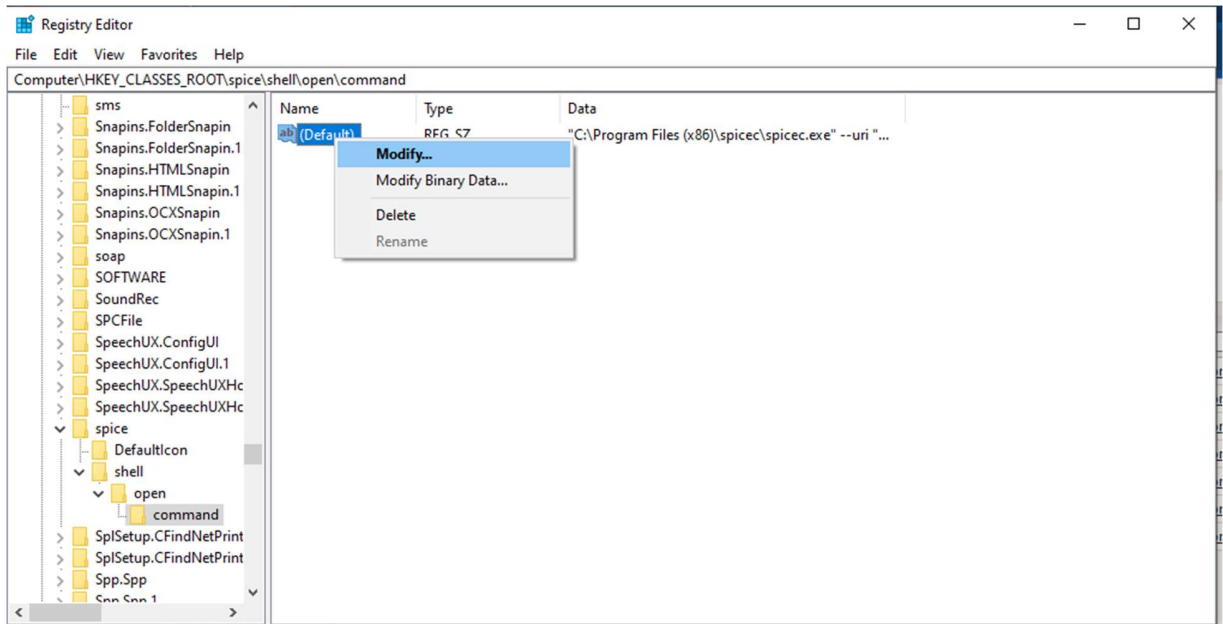
1. First press window + r, then type regedit and click ok

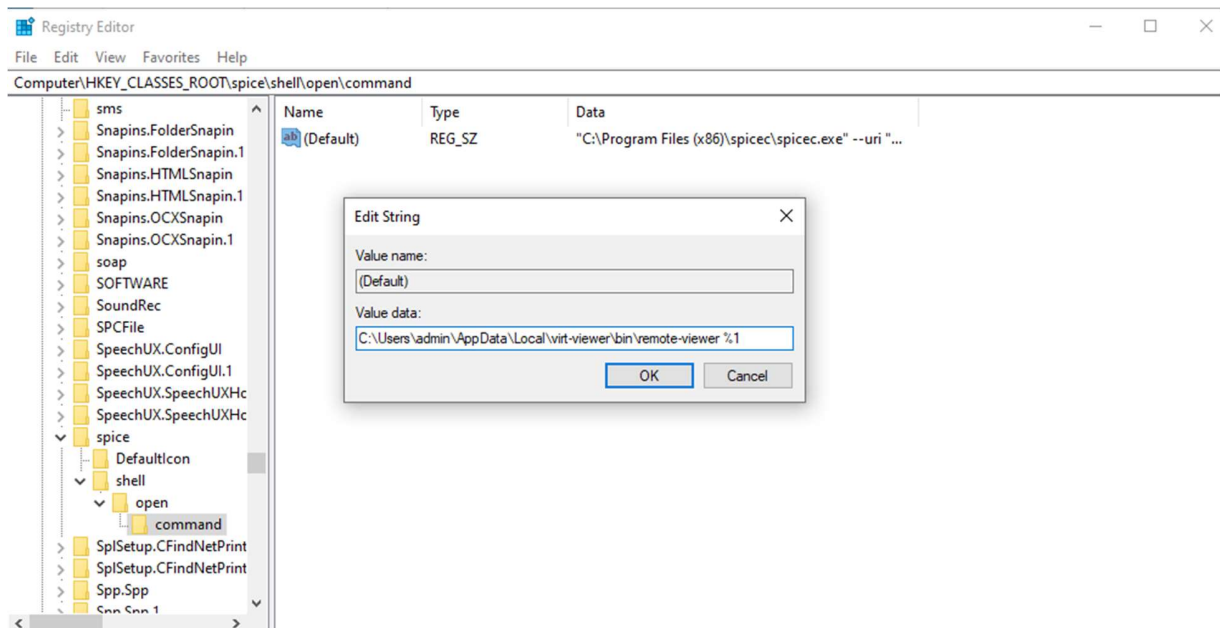


2. Further permissions tab will open then click yes, and a regedit editor will get open.
3. In the Registry Editor a list of directories would appear, in those lists of directories search for the spice directory.
4. Keep on expanding the spice directory until you reach the command section.



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.





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.

FOG Cloud

Home About Contact Logout (admin)

Virtual Machine

- Persistent VMs
- Dynamic VMs
- VM Templates
 - Create
- Profiles
 - Create
 - Upload ISO File
- VM Pool
- Storage Pool
- Node
- Network
- User
- Configuration
- Diagnostics
- Assigned VMs

Links

- Download Spice Client

Manage VM Templates

Vm Pool: **vm-template-virtual-machine-pool-01**

No.	DisplayName	Status	Run Action	Memory	Node	Action
1	Ubuntu Aniket	stopped	→ ↓ × ↻	---	foss-cloud-01.foss-cloud.org	⊕ ⊖ ⊗ ⊘
2	Ubuntu 460 Ash	running	→ ↓ × ↻	5 GB / 5 GB	foss-cloud-01.foss-cloud.org	⊕ ⊖ ⊗ ⊘
3	Aixer	running	→ ↓ × ↻	2 GB / 2 GB	foss-cloud-01.foss-cloud.org	⊕ ⊖ ⊗ ⊘
4	pooja_46	running	→ ↓ × ↻	2.63 GB / 2.63 GB	foss-cloud-01.foss-cloud.org	⊕ ⊖ ⊗ ⊘
5	lily	running	→ ↓ × ↻	2.38 GB / 2.38 GB	foss-cloud-01.foss-cloud.org	⊕ ⊖ ⊗ ⊘
6	aditya	running	→ ↓ × ↻	2 GB / 2 GB	foss-cloud-01.foss-cloud.org	⊕ ⊖ ⊗ ⊘
7	pratik	running	→ ↓ × ↻	2 GB / 2 GB	foss-cloud-01.foss-cloud.org	⊕ ⊖ ⊗ ⊘

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le View Send key Help

Install (as superuser)

Welcome

English

- Español
- Esperanto
- Euskara
- Français
- Gaeilge
- Galego
- Hrvatski
- Íslenska
- Italiano
- Kurdi
- Latviski
- Lietuviškai
- Magyar
- Nederlands
- Norsk bokmål
- Norsk nynorsk

Try Ubuntu

Install Ubuntu

You can try Ubuntu without making any changes to your computer, directly from this CD.

Or if you're ready, you can install Ubuntu alongside (or instead of) your current operating system. This shouldn't take too long.