

## Practical 7

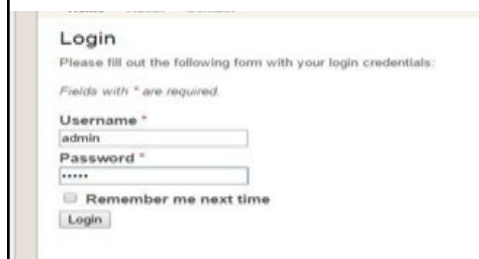
### **Aim: Implement FOSS-Cloud Functionality VSI (Virtual Server Infrastructure) Infrastructure as a Service (IaaS), Creating Virtual Machine or Storage**

#### **FOSS Cloud Installation:**

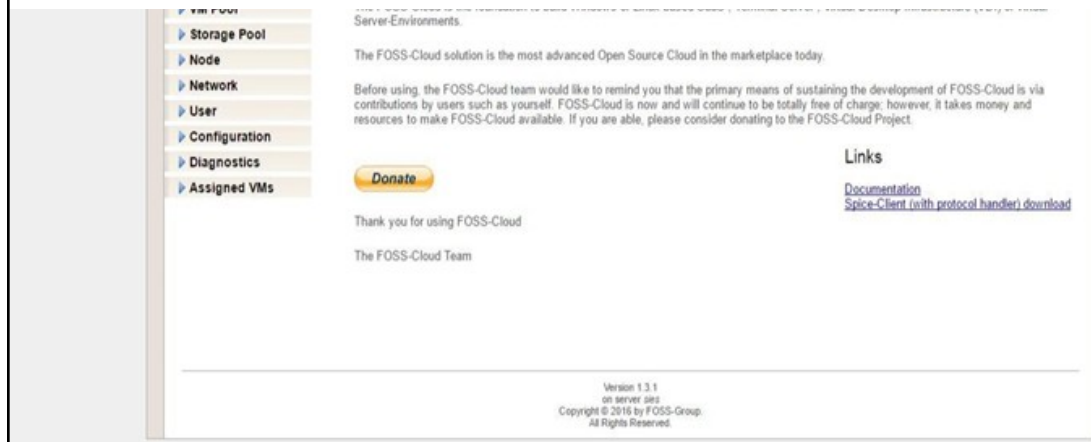
Steps:

1. Choose your keymap.
2. Confirm that you want to start: yes
3. Choose Demo-System: 1
4. Choose a Block-Device: sda
5. Confirm that you want to continue: yes
6. Confirm that you want to continue: yes
7. Choose the network interface: eth0
8. Choose if you want to use automatic network configuration: Yes
9. Reboot your system: yes
10. Login as root and run "fc-node-configuration -n demo-system --password admin"

Login as admin  
Password : admin

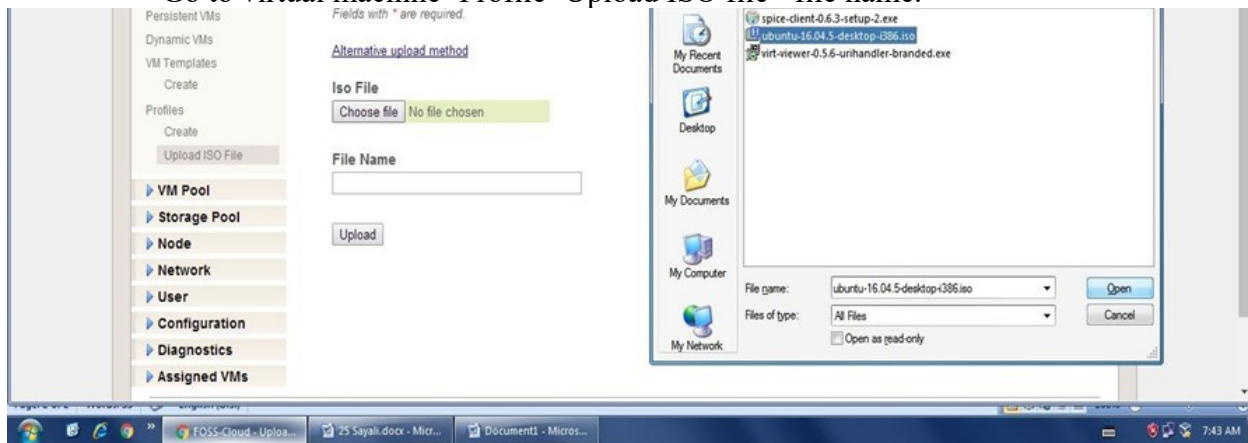
A screenshot of a web-based login form. The form has a title 'Login' and a subtitle 'Please fill out the following form with your login credentials:'. Below this, it says 'Fields with \* are required.' There are two input fields: 'Username \*' with the value 'admin' and 'Password \*' with masked characters '\*\*\*\*\*'. There is a checkbox labeled 'Remember me next time' which is unchecked. At the bottom of the form is a 'Login' button.

**Home page of FOSS Cloud at Client**



### Uploading ISO files to foss cloud

Go to virtual machine>Profile>Upload ISO file >file name.

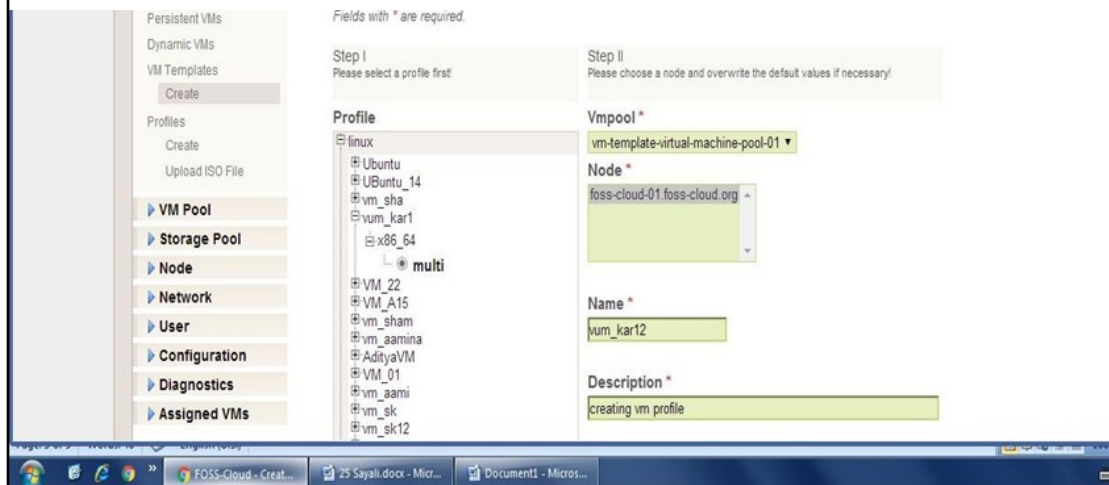


### Creating a Profile

The profile creates the relationship between the ISO file and the FOSS-Cloud.

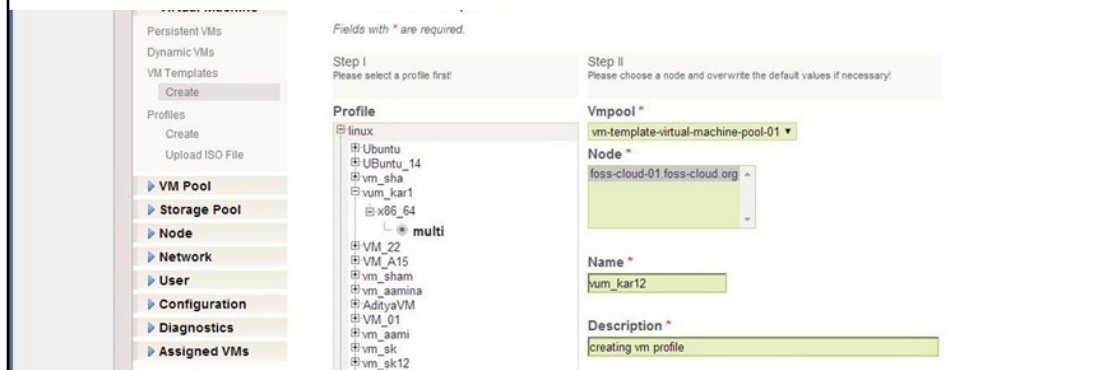
1. Open Virtual Machines
2. Choose vm-Profiles
3. Choose the right Base Profile
4. Choose the right architecture (Windows only x86\_64)
5. Chose the language (it is a information - not keyboard relevant)
6. Choose the ISO file
7. Fill out name and description
8. Choose the amount of memory and volume capacity
9. Choose amount of CPU

10. Choose clock offset (normally Windows is "localtime" and Linux is "utc")



## Creating Template

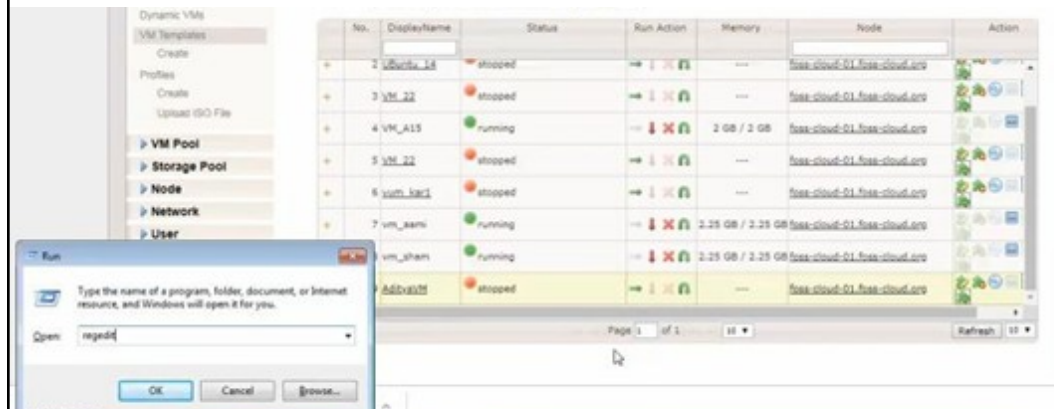
1. Choose the profile you have prepared before
  2. Add the vm-pool and one or more nodes, where you will run this vm (when the chosen vm-pool has only one node assigned, you don't have a choice)
  3. You can change all the other informations you have entered before
- Click on "create" and the template is ready for installing the guest operating system.



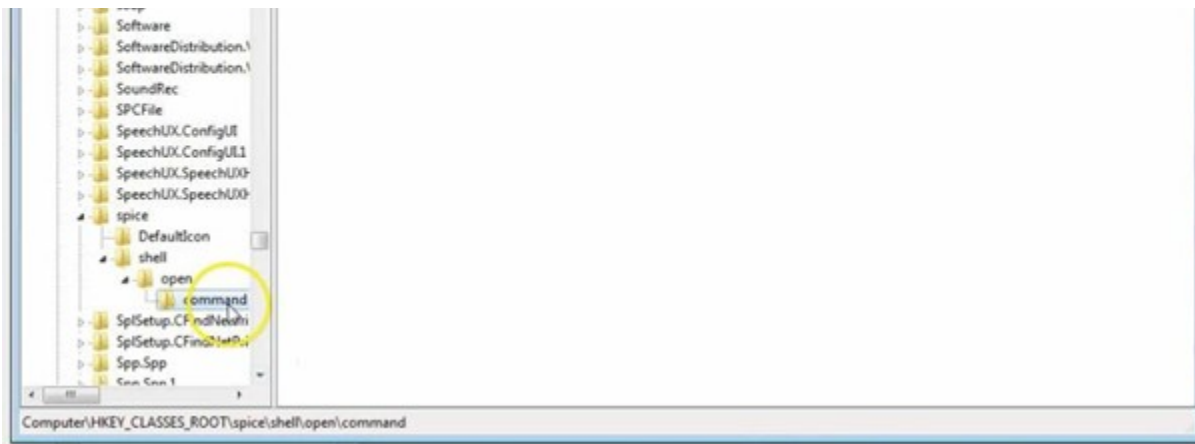
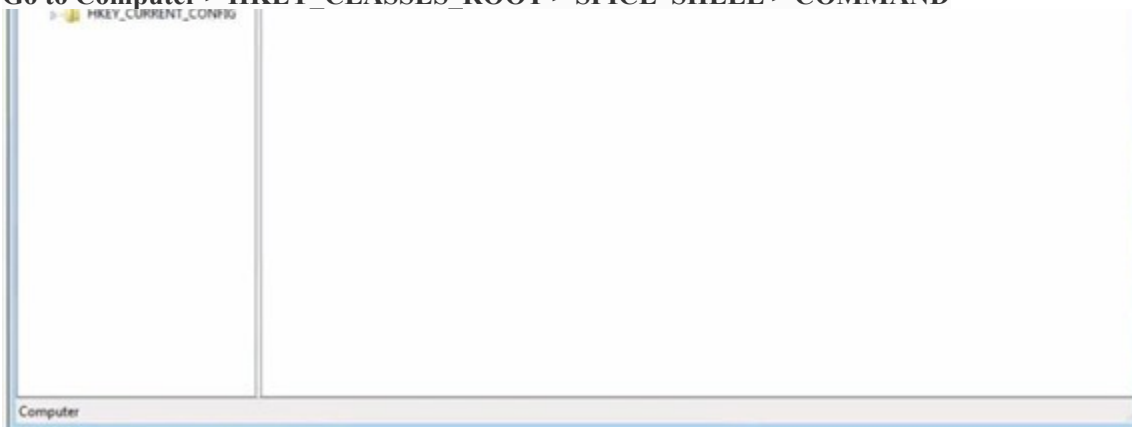
## In stall virt Viewer and spice

Organize	Include in library	Share with	New folder			
				Name	Date modified	Type
★ Favorites				spice-client-0.6.3-setup-2	10/26/2018 12:46 ...	Application
Desktop				ubuntu-16.04.5-desktop-i386	10/25/2018 6:24 PM	Disc Image File
Downloads				virt-viewer-0.5.6-urihandler-branded	10/26/2018 12:50 ...	Application
Recent Places						Size
						1,833 KB
						1,625,600 KB
						13,113 KB

Go to regedit



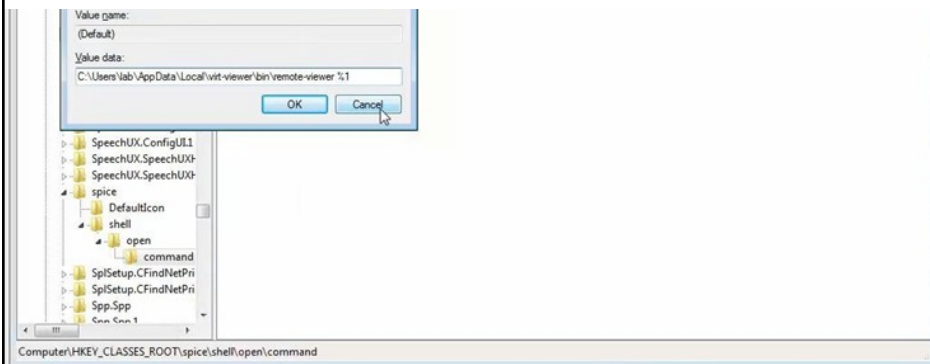
Go to Computer > HKEY\_CLASSES\_ROOT > SPICE\_SHELL > COMMAND



Go to Default and click Modify



Paste path of virt viewerà virt\_viewer\_path %1 (Actual path of Virt Viewer)



Run Your VM and View using VM Template

VM Templates	No.	DisplayName	Status	Run Action	Memory	Node	Action
Create	2	Ubuntu_14	stopped	→ ↻ ⚠	---	foss-cloud-01.foss-cloud.org	⚙️ 🔄 🗑️
Profiles	3	VM_22	stopped	→ ↻ ⚠	---	foss-cloud-01.foss-cloud.org	⚙️ 🔄 🗑️
Create	4	VM_A15	running	→ ⚠ ⚠	2 GB / 2 GB	foss-cloud-01.foss-cloud.org	⚙️ 🔄 🗑️
Upload ISO File	5	VM_22	stopped	→ ↻ ⚠	---	foss-cloud-01.foss-cloud.org	⚙️ 🔄 🗑️
VM Pool	6	vum_kar1	running	→ ⚠ ⚠	2 GB / 2 GB	foss-cloud-01.foss-cloud.org	⚙️ 🔄 🗑️
Storage Pool	7	vm_aami	running	→ ⚠ ⚠	2.25 GB / 2.25 GB	foss-cloud-01.foss-cloud.org	⚙️ 🔄 🗑️
Node	8	vm_sham	running	→ ⚠ ⚠	2.25 GB / 2.25 GB	foss-cloud-01.foss-cloud.org	⚙️ 🔄 🗑️
Network	9	AdityaVM	running	→ ⚠ ⚠	2.5 GB / 2.5 GB	foss-cloud-01.foss-cloud.org	⚙️ 🔄 🗑️
User							
Configuration							
Diagnostics							
Assigned VMs							

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**Open Browser in Ubuntu.**

