

Open Source Mano (OSM) Installation

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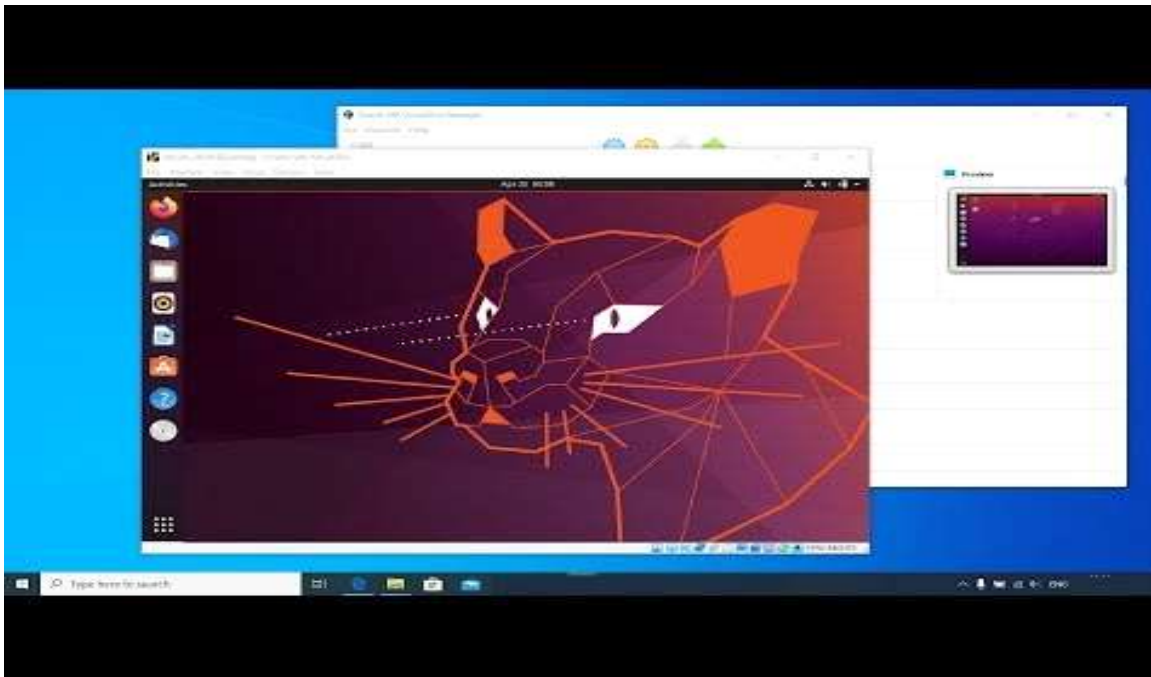
Step 1: Install Virtual Box

<https://www.virtualbox.org/wiki/Downloads>

Step 2: Install [Ubuntu20.04 \(64-bit variant required\)](#)

Step 3: Add Ubuntu VM to Virtual Box and configure based on prerequisites.

[How to Install Ubuntu 20.04 LTS on VirtualBox in Windows 10](#)



All you need to run OSM is a single server or VM with the following requirements:

- MINIMUM: 2 CPUs, 6 GB RAM, 40GB disk and a single interface with Internet access
- RECOMMENDED: 2 CPUs, 8 GB RAM, 40GB disk and a single interface with Internet access

Step 4: Execute these commands in terminal

```
wget https://osm-download.etsi.org/ftp/osm-13.0-thirteen/install\_osm.sh  
chmod +x install_osm.sh  
./install_osm.sh
```



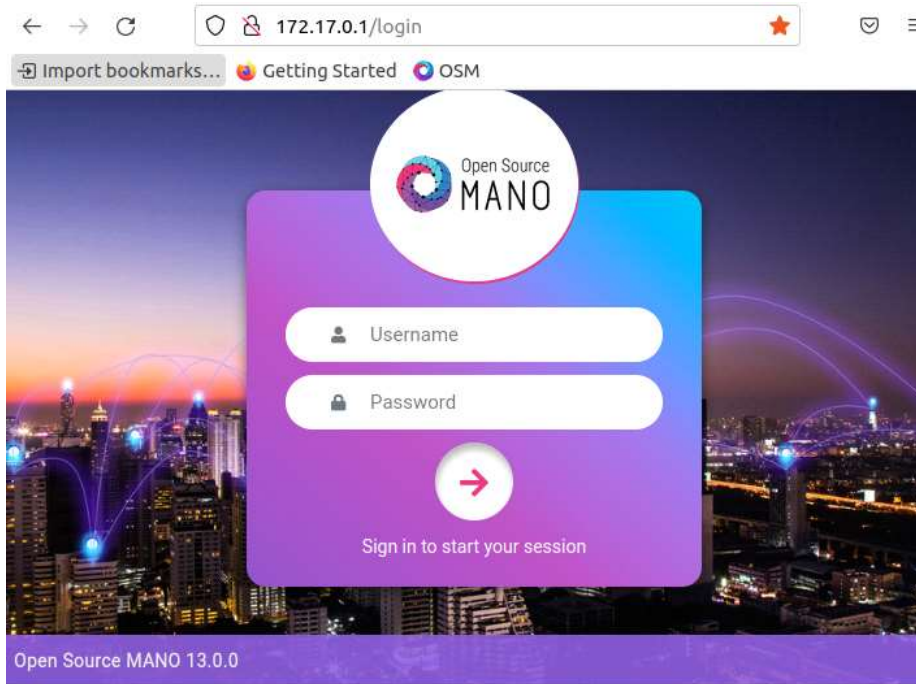
The installation will be completed and at the end of output, you can see like the snip below:

```
/etc/osm/docker
/etc/osm/docker/keystone-db.env
/etc/osm/docker/osm_pods
/etc/osm/docker/osm_pods/ro.yaml
/etc/osm/docker/osm_pods/mon.yaml
/etc/osm/docker/osm_pods/ca_setup.yaml
/etc/osm/docker/osm_pods/lcm.yaml
/etc/osm/docker/osm_pods/zookeeper.yaml
/etc/osm/docker/osm_pods/pol.yaml
/etc/osm/docker/osm_pods/nbi.yaml
/etc/osm/docker/osm_pods/mysql.yaml
/etc/osm/docker/osm_pods/kafka.yaml
/etc/osm/docker/osm_pods/prometheus.yaml
/etc/osm/docker/osm_pods/ng-ui.yaml
/etc/osm/docker/osm_pods/grafana.yaml
/etc/osm/docker/osm_pods/keystone.yaml
/etc/osm/docker/cluster-config.yaml
/etc/osm/docker/pol.env
/etc/osm/docker/keystone.env
/etc/osm/docker/ro-db.env
/etc/osm/docker/nbi.env
/etc/osm/docker/lcm.env
/etc/osm/docker/metallb-config.yaml
/etc/osm/docker/cluster-config.yaml~
/etc/osm/docker/ro.env
/etc/osm/docker/mon.env

DONE
athira@athira-VirtualBox:~$
```

Step 5: To access the GUI, you need to find the host ip of the machine where the OSM is installed. For that, execute *ifconfig*

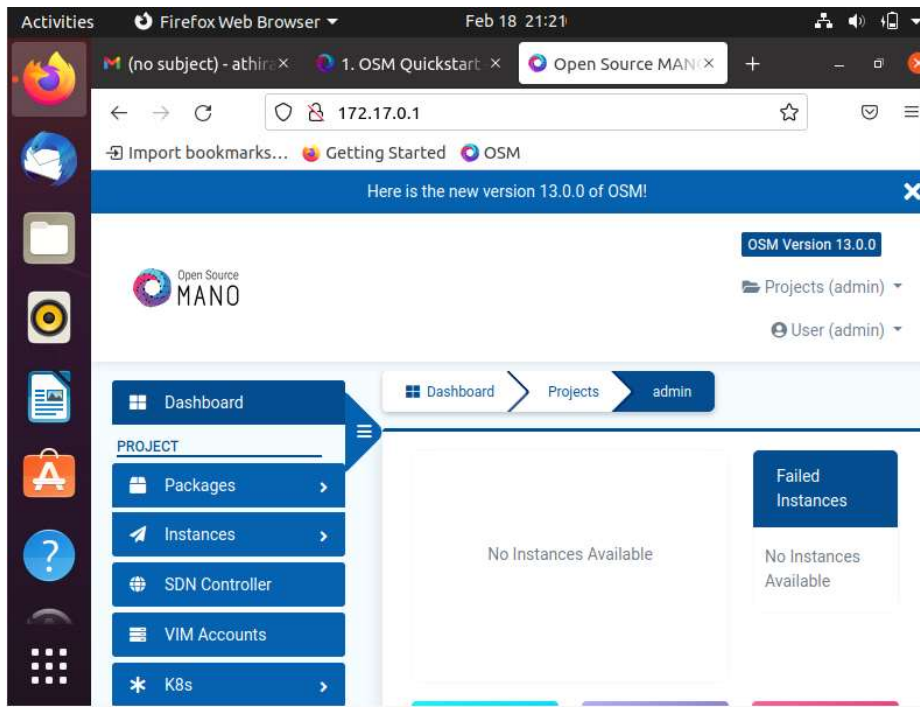
Step 6: From the IP obtained from above step, try accessing [http:// <host ip>](http://<host ip>)



User: *admin*

Pwd : *admin*

Step 7: Finally, the GUI is ready for operations



Trouble Shooting

ISSUE 1: `install_osm: fatal error: k8scluster install_kubeadm_cluster.sh failed`

Here are a few possible solutions:

- Check the log files for more detailed error messages. You can find the log files in `/var/log/osm/` directory. Look for error messages that may indicate the root cause of the failure.
- Check the system requirements to make sure your server meets the necessary conditions for running Kubernetes and OSM.
- Check your network connection and firewall settings. Make sure that the necessary ports are open and accessible.
- If the error is related to Kubernetes, try uninstalling and reinstalling it. Use the official Kubernetes installation instructions to make sure you're following the correct steps.
- If the error is related to OSM, try reinstalling it. Make sure that you're using the latest version of OSM.
- If the error persists, consider seeking help from the OSM community or support team. They may be able to provide more specific guidance based on your specific situation.



ISSUE 2:

```
test@test:~$  
test@test:~$ ifconfig  
Command 'ifconfig' not found, but can be installed with:  
sudo apt install net-tools  
test@test:~$  
test@test:~$
```

```
test@test:~$  
test@test:~$ sudo apt install net-tools  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following package was automatically installed and is no longer required:  
  systemd-hwe-hwdb  
Use 'sudo apt autoremove' to remove it.  
The following NEW packages will be installed:  
  net-tools  
0 upgraded, 1 newly installed, 0 to remove and 144 not upgraded.  
Need to get 204 kB of archives.  
After this operation, 819 kB of additional disk space will be used.  
Get:1 http://in.archive.ubuntu.com/ubuntu jammy/main amd64 net-tools amd64 1.60  
+git20181103.0eebece-1ubuntu5 [204 kB]  
Fetched 204 kB in 1s (298 kB/s)  
Selecting previously unselected package net-tools.  
(Reading database ... 198603 files and directories currently installed.)  
Preparing to unpack .../net-tools_1.60+git20181103.0eebece-1ubuntu5_amd64.deb ...  
Unpacking net-tools (1.60+git20181103.0eebece-1ubuntu5) ...  
Setting up net-tools (1.60+git20181103.0eebece-1ubuntu5) ...  
Processing triggers for man-db (2.10.2-1) ...  
test@test:~$
```

