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| **[ cLOUD COMPUTING ]** |
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Practical: 7

**-:AIM:-**

**Configuration of OpenNebula Cloud**

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**U. V. Patel College of Engineering**

**Computer Engineering Department**

**AIM:- Configuration of OpenNebula Cloud**

**Requirements:-**

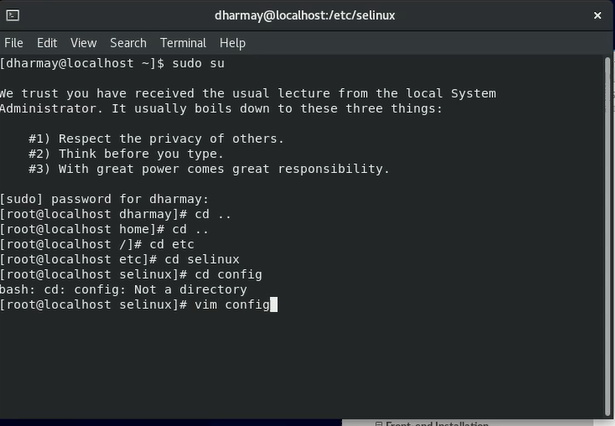
CentOS 8 or Ubuntu 18.04

**Steps:-**

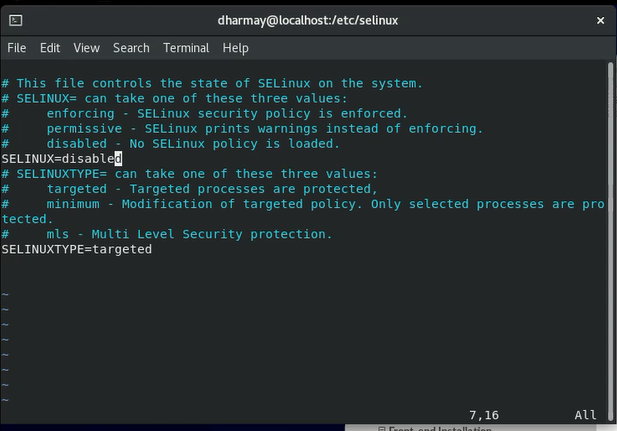
If you are performing this on Virtual Box First Enable Nested Virtualization by performing this code to cmd

Open CMD to VirtualBox’s install path:

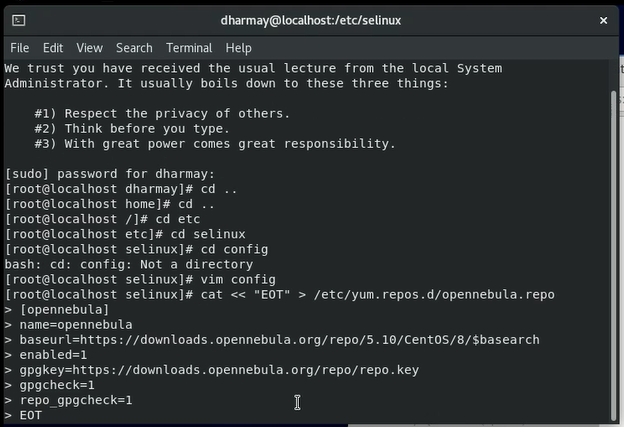
VBoxManage modifyvm **“YourVirtualBoxName”** --nested-hw-virt on



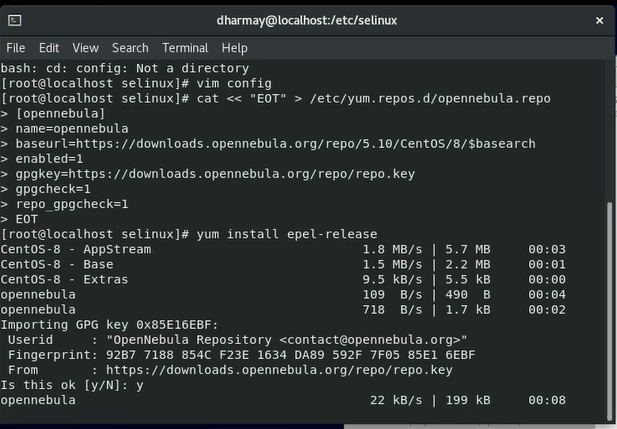
Disable SELINUX

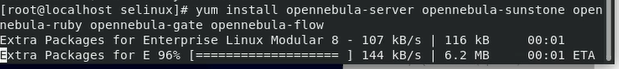


Add Opennebula Repository:



Install Opennebula





Install gems:



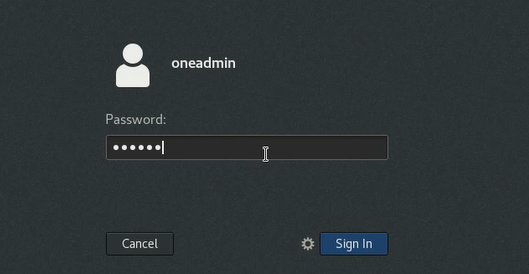
Set user oneadmin’s UNIX password:



Set Opennebula’s Oneadmin login password: (here “123456” is password)



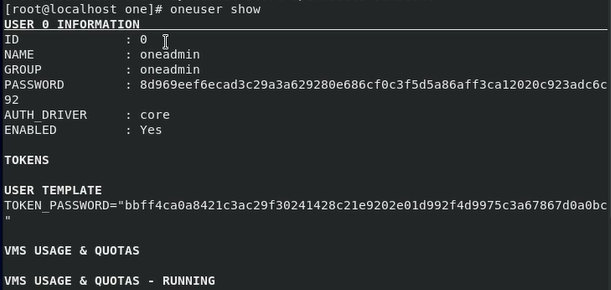
NOW LOGIN TO ONEADMIN USER and proceed further.



Start Opennebula and opennebula suntone:

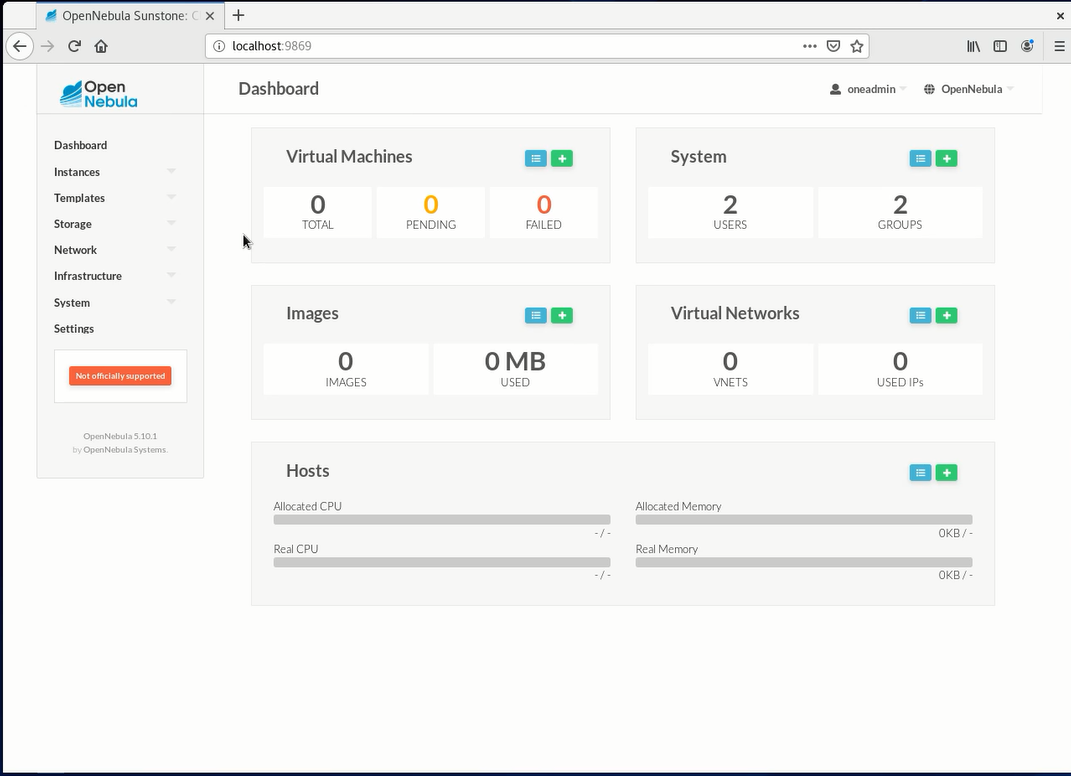


Check oneuser status:

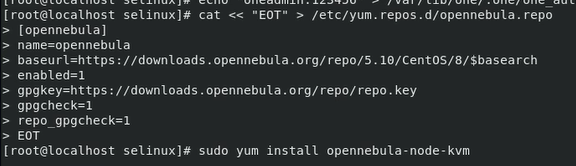


Open Browser and open url <https://localhost:9869>

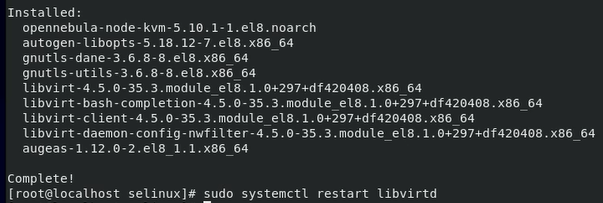




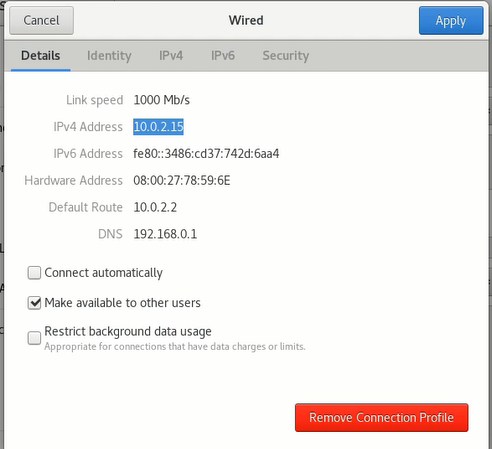
Now Login back to default user and install KVM node by adding it to repository :



After successful installation of KVM restart it :



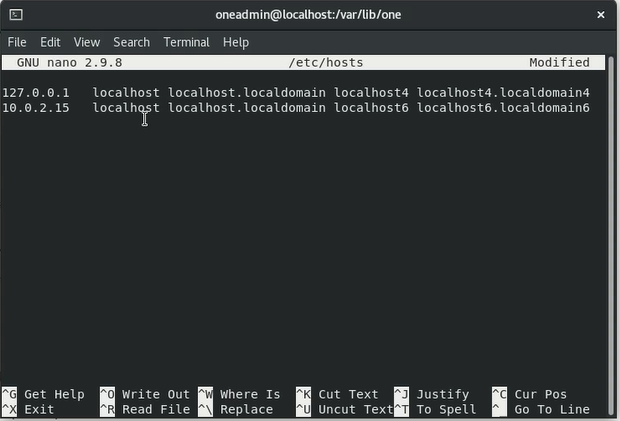
NOW, we have to configure passwordless ssh for that note the ip address of ONEADMIN user:



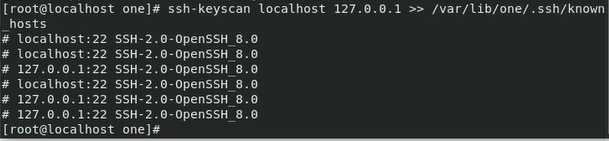
Make changes to this file:

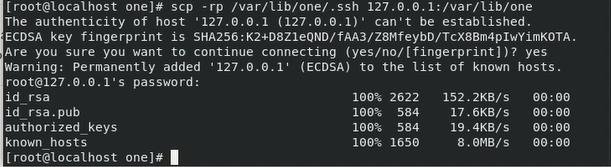


Add ip of ONEADMIN user:

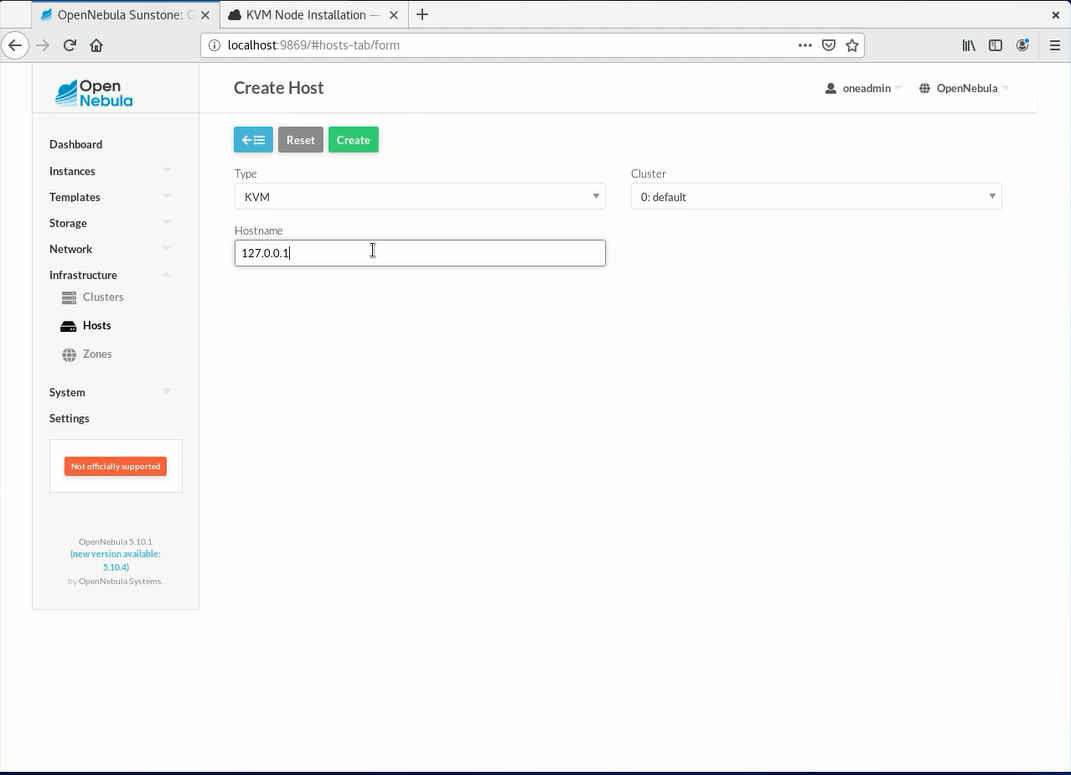


Now we have to copy ssh files:

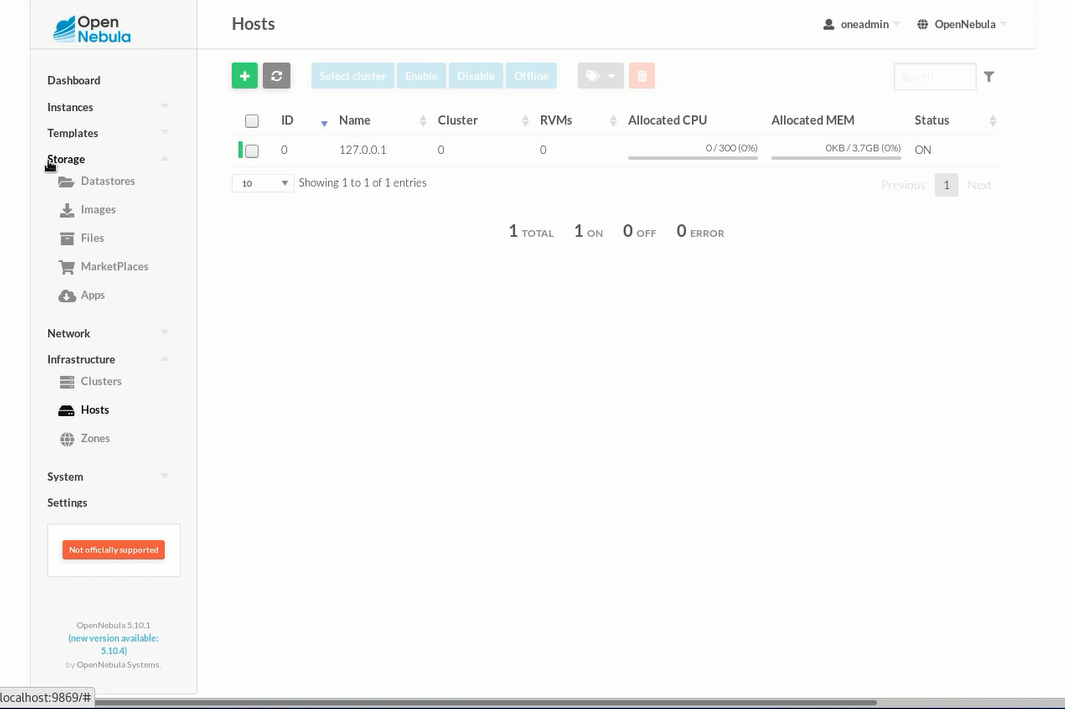




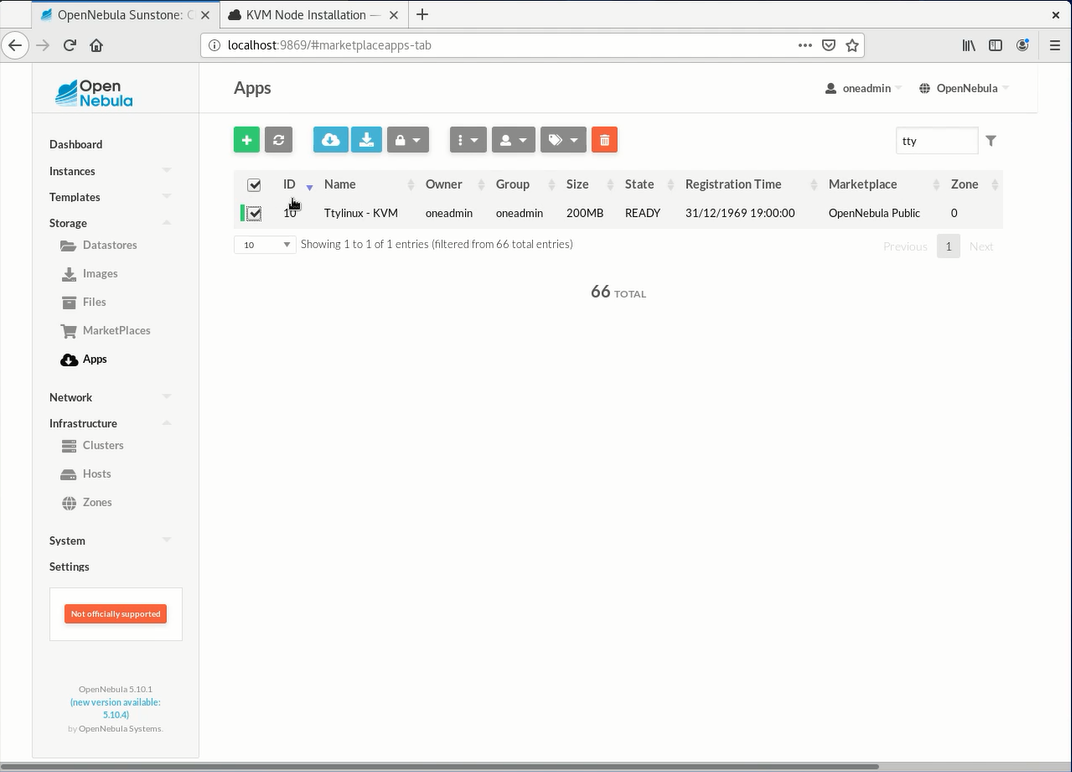
Now create host :



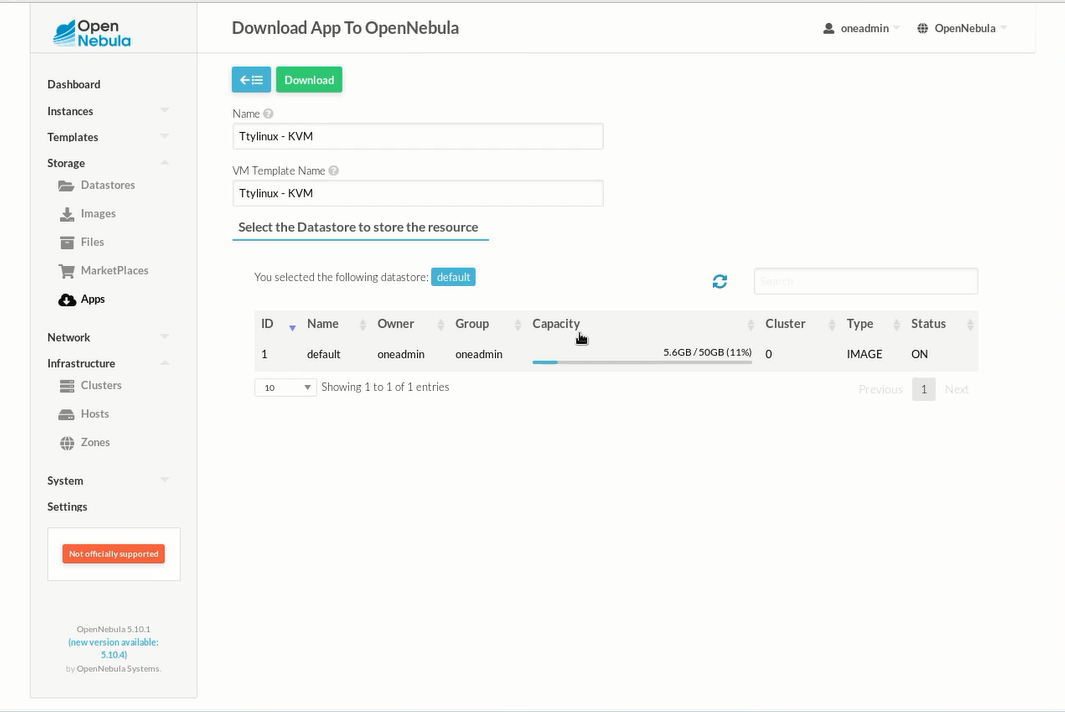
Wait until status is “ON”



NOW goto apps and find tty-linux image:

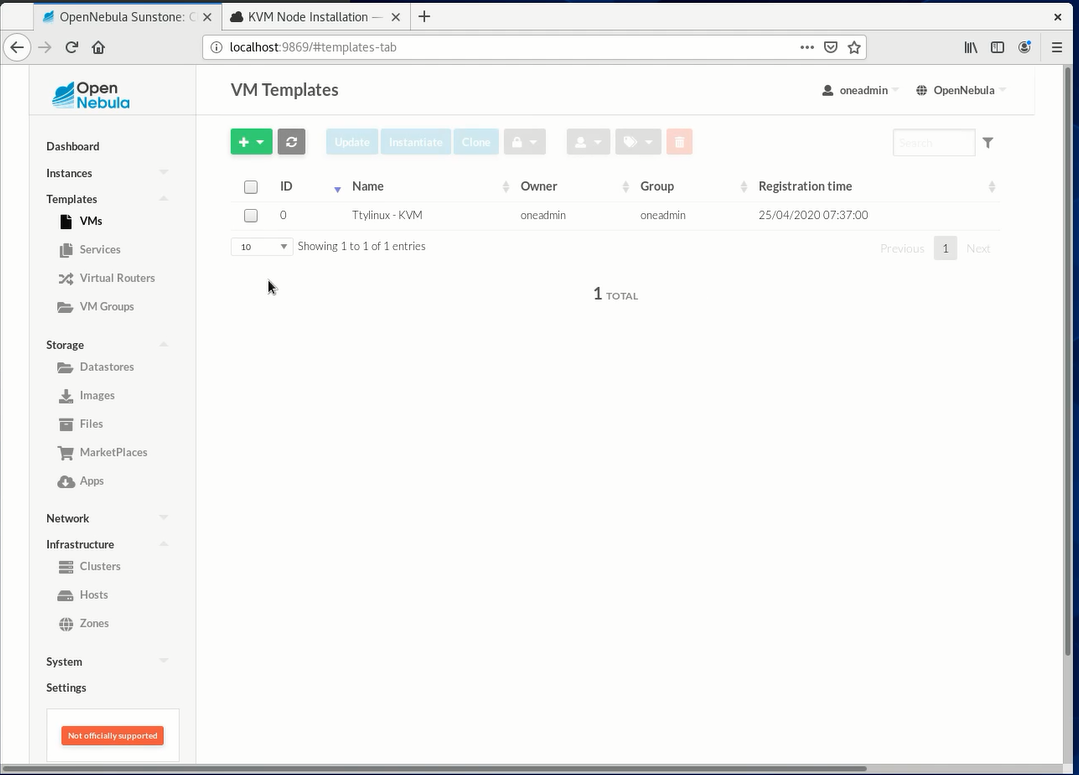


Download it

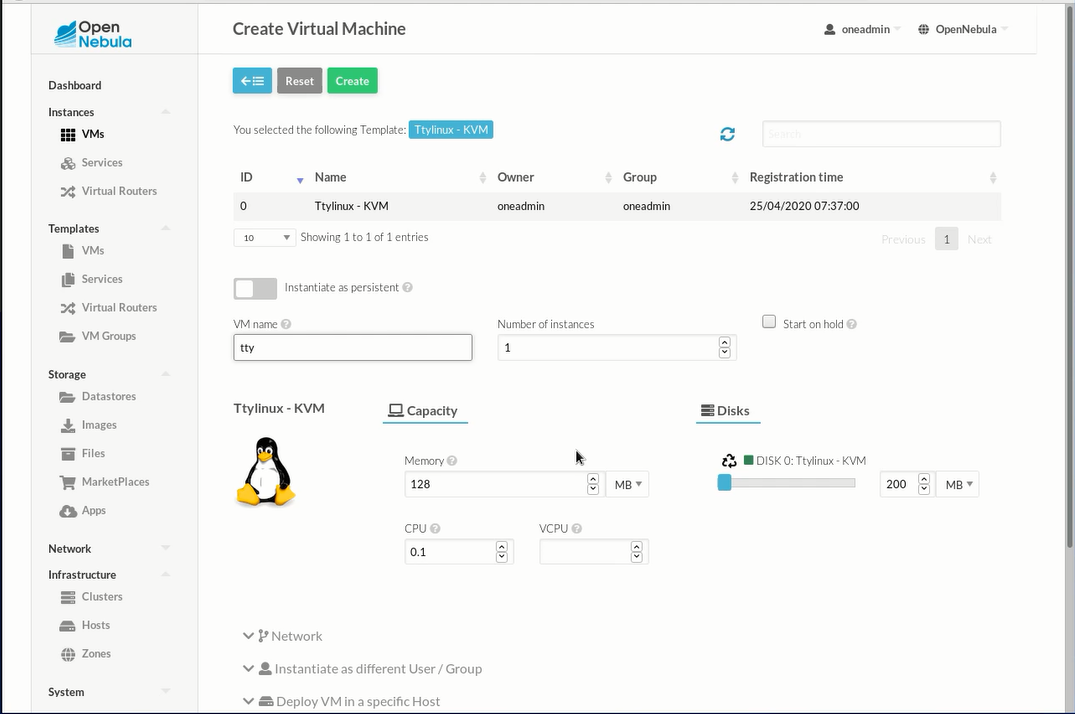


After successfully downloading goto TEMPLATES > VMs.

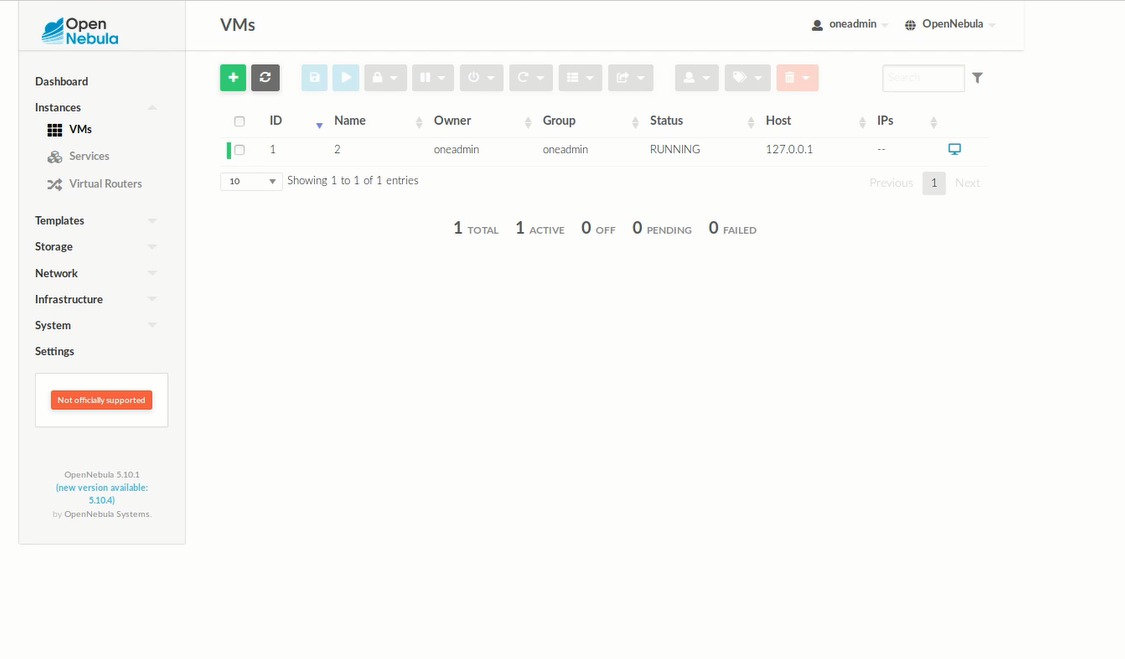
A VM template should be created automatically



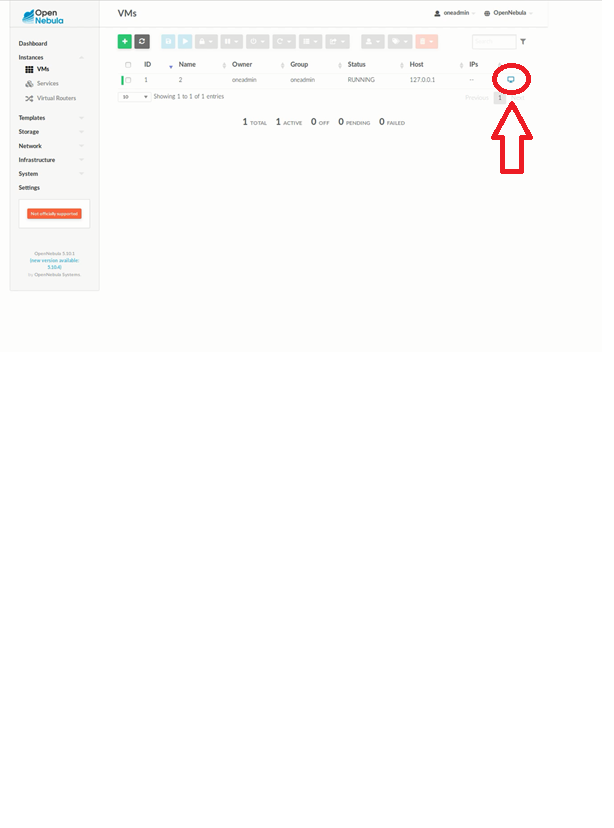
Now Goto instances and create virtual machine instance:



After a while status will be running:



Click on this button To open VNC:



TTY linux will be booted and this will be output:

