Practical No 3

Aim : Study And Implementation of Infrastructure As a Service

Theory:

Infrastructure as a service (IaaS) is a form of cloud computing that provides virtualized computing resources over the internet.

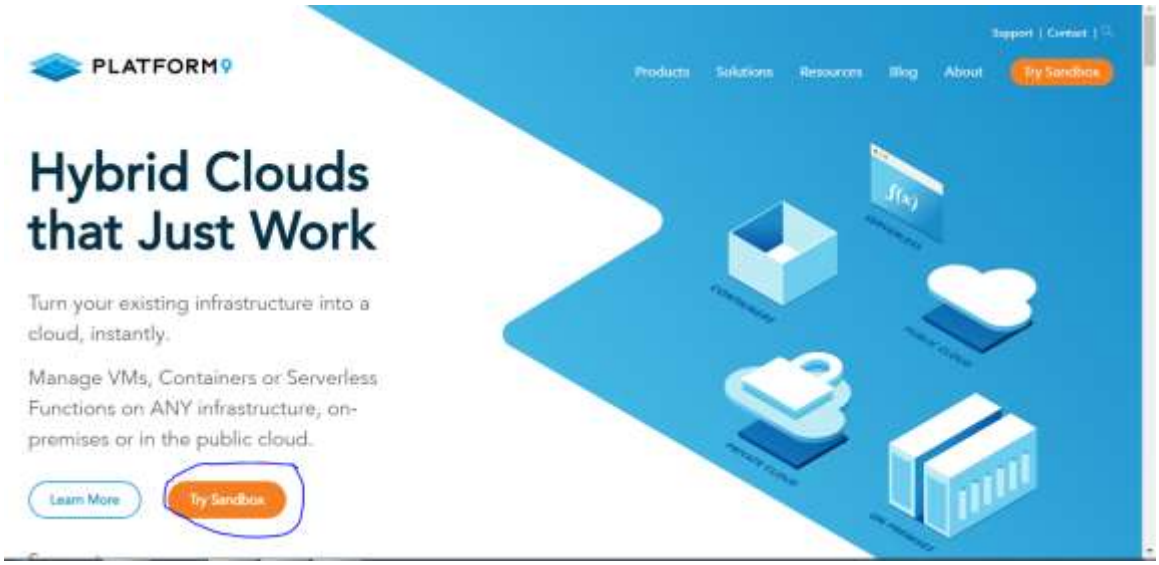
IaaS is one of the three main categories of cloud computing services, alongside software as a service (SaaS) and platform as a service (PaaS)

IaaS quickly scales up and down with demand, letting you pay only for what you use. It helps you avoid the expense and complexity of buying and managing your own physical servers and other datacenter infrastructure.

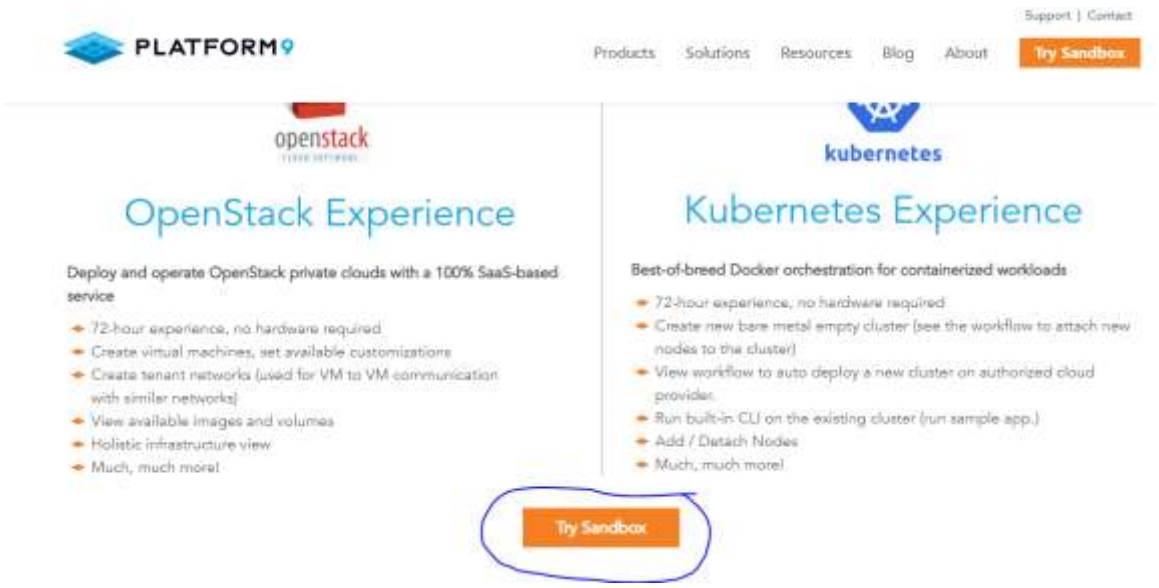
Each resource is offered as a separate service component, and you only need to rent a particular one for as long as you need it. A cloud computing service provider, such as Azure, manages the infrastructure, while you purchase, install, configure, and manage your own software—operating systems, middleware, and applications.

Procedure :

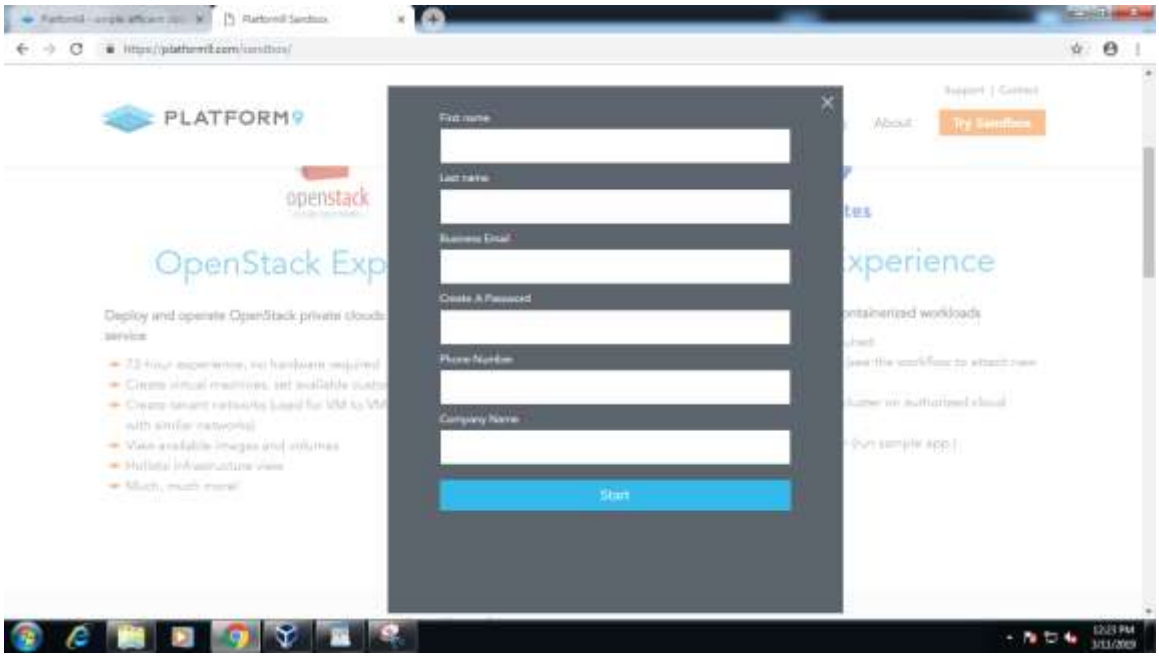
Step 1: open https://platform9.com/



step 2: click on try sandbox



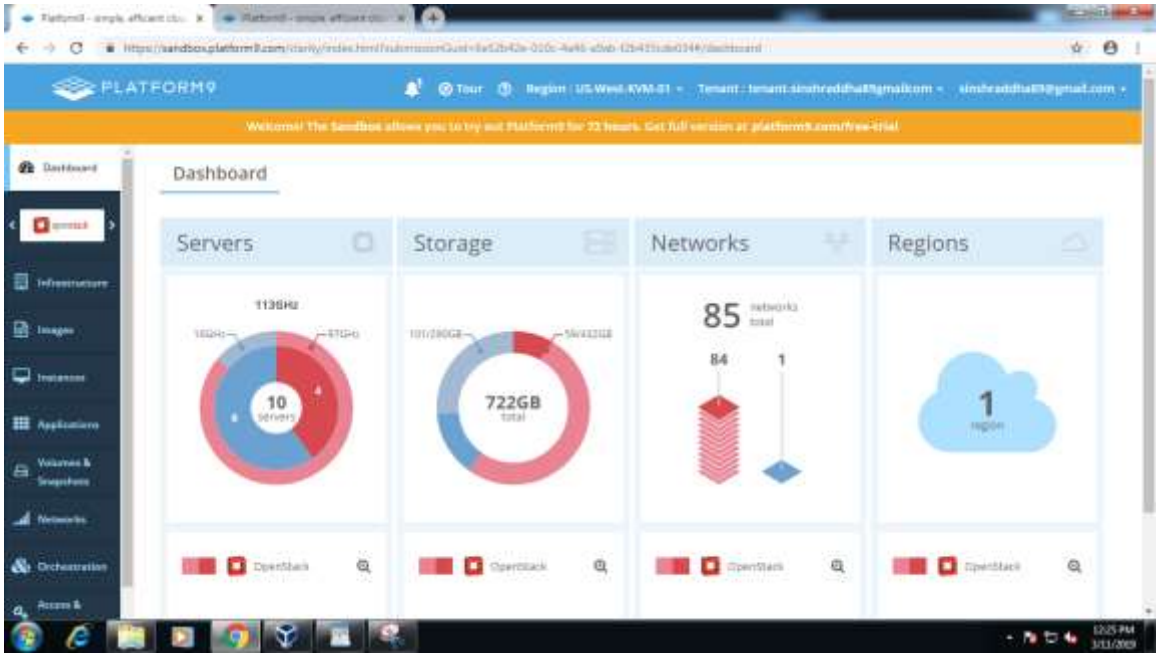
Step 3: Now click on Openstack try sandbox



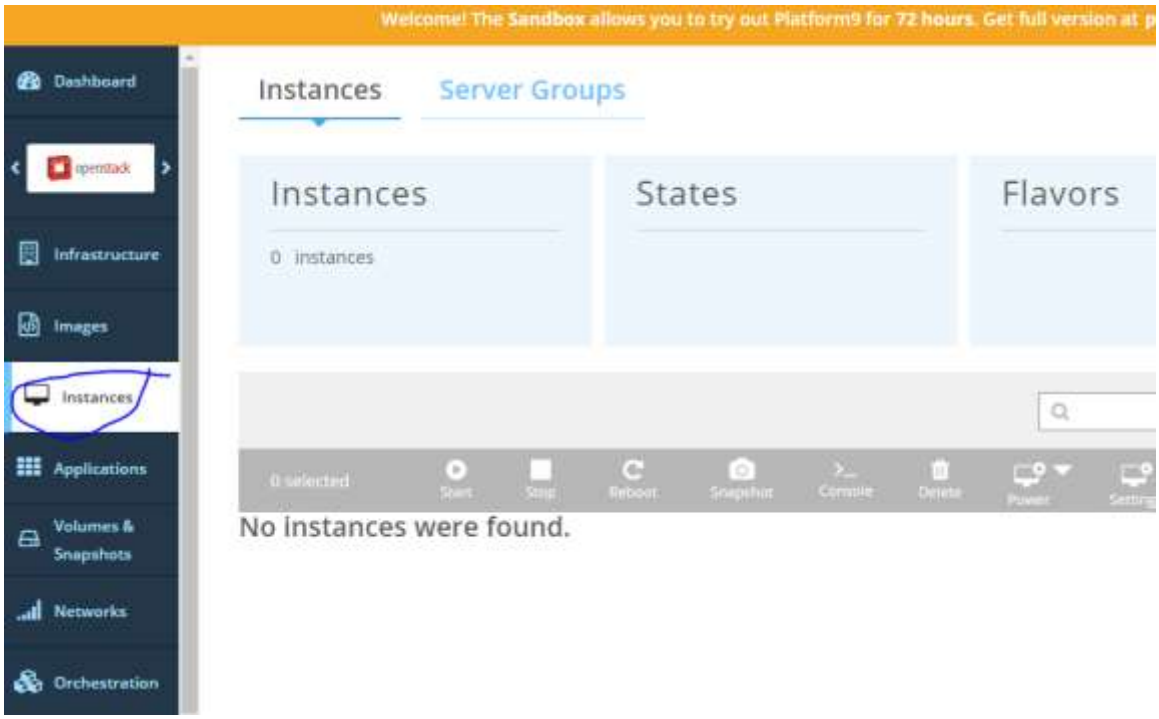
step 4: fill all the details and click on start

step 5: Give the User Name and Password and click on login

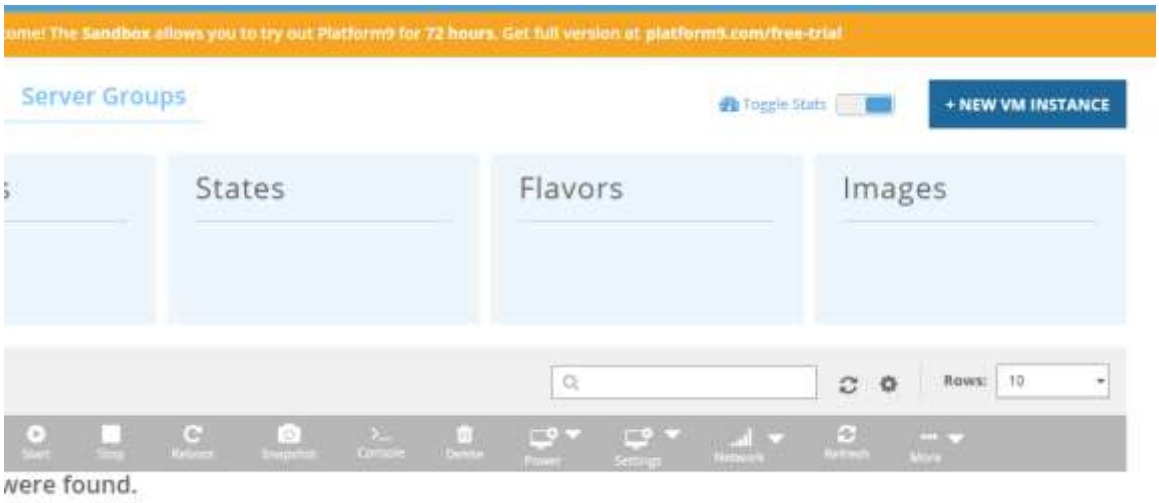
step 6: openstack platform look like this



step 7: Now click on Instance on left side



step 8: And click on Add VM instance

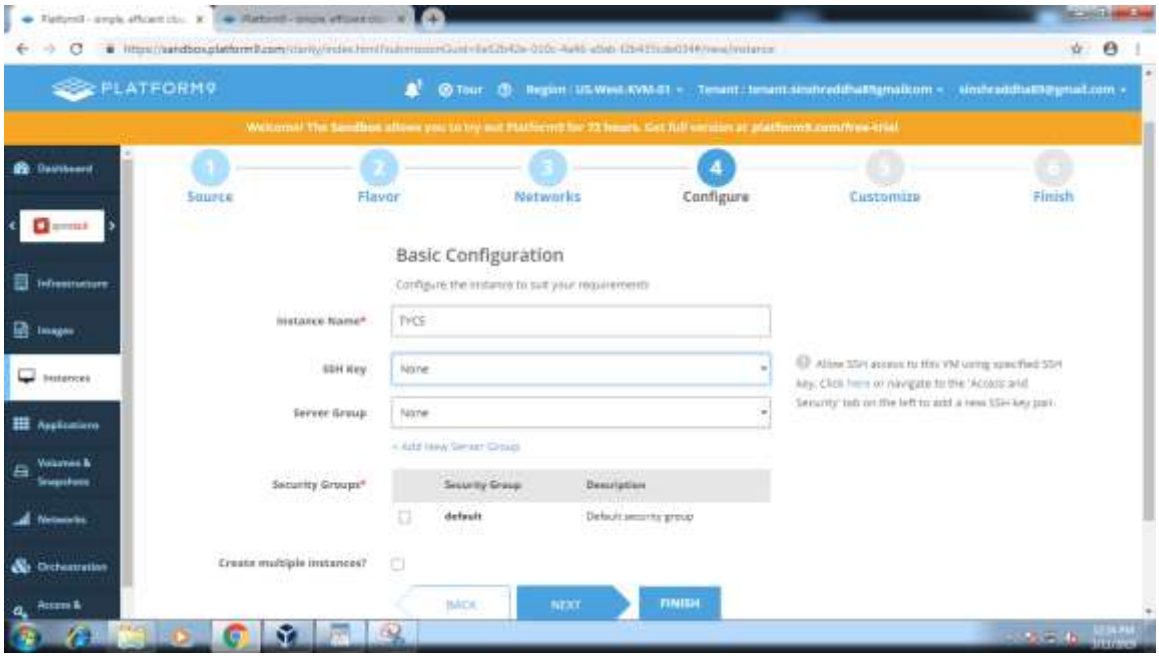


select Ubuntu 16.0.4 and click on next

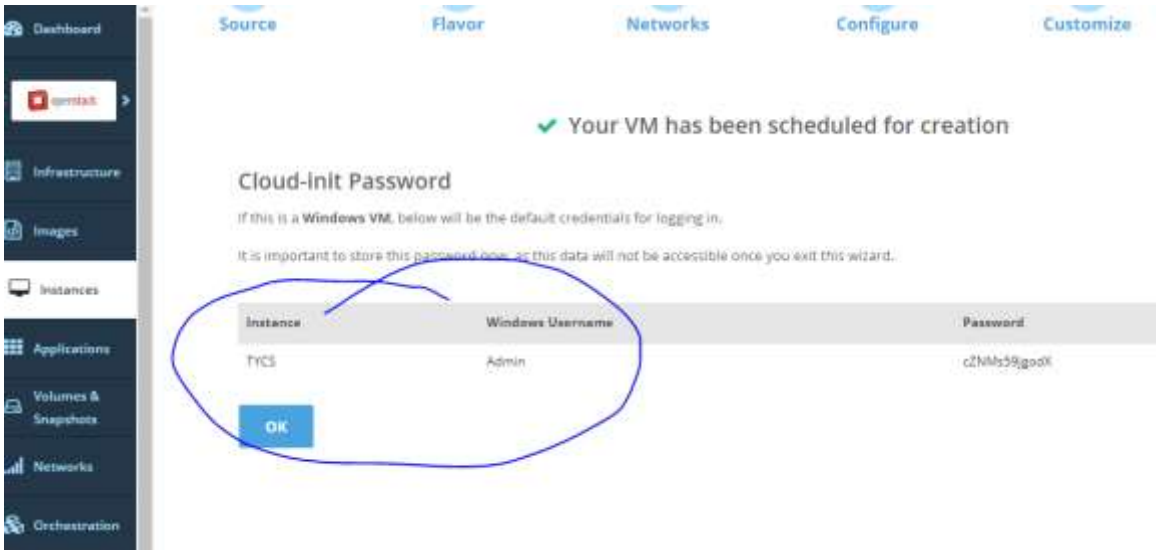
click m1.small and click on next

select Auto allocate network and click on next

give instance name and click on next

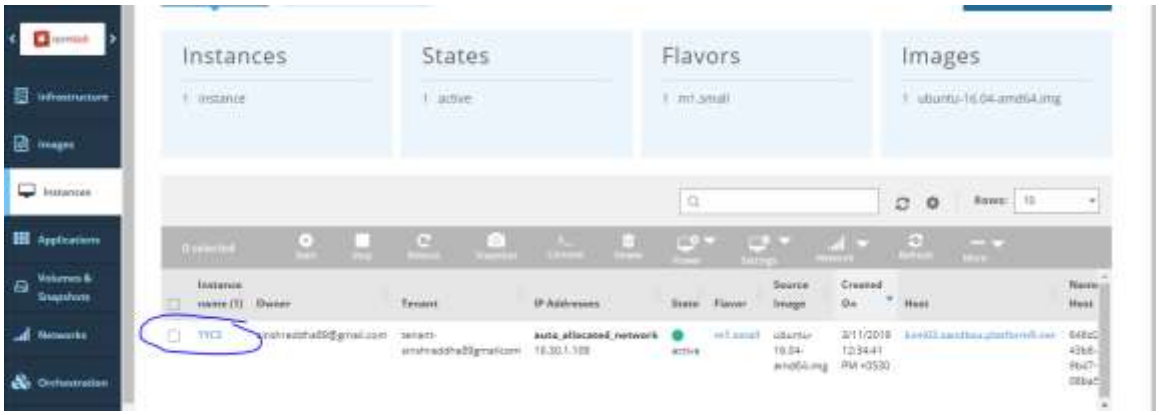


now click on finish



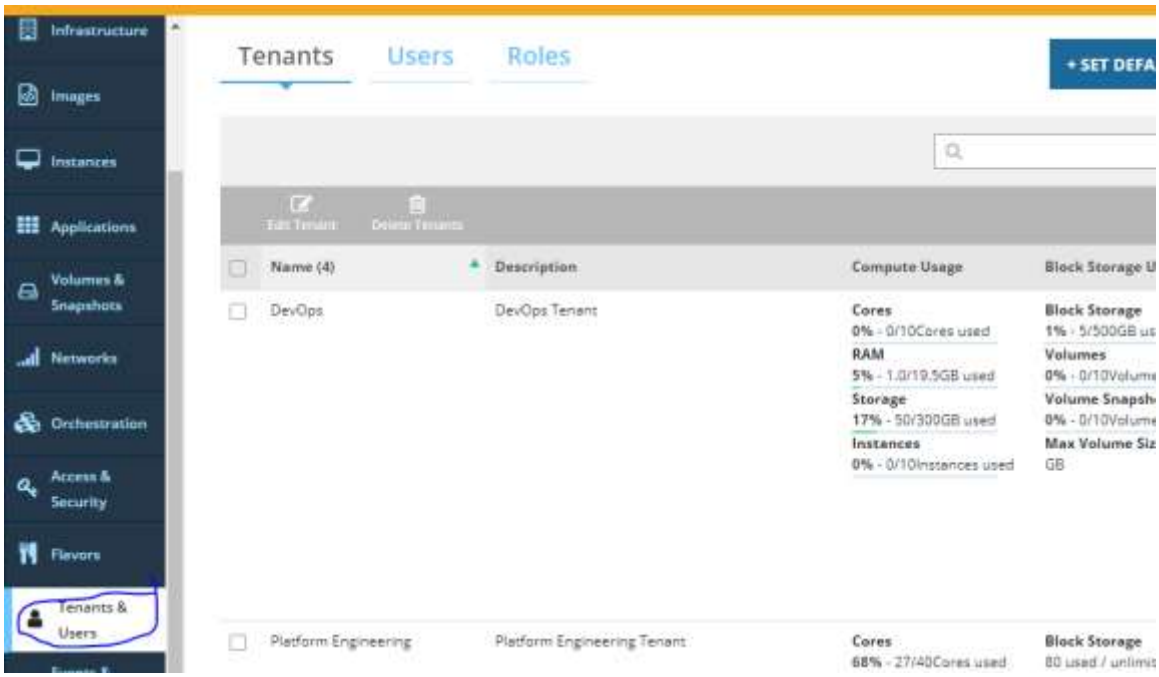
virtual machine created successfully

Step 8:click on Instance tab and check the virtual machine

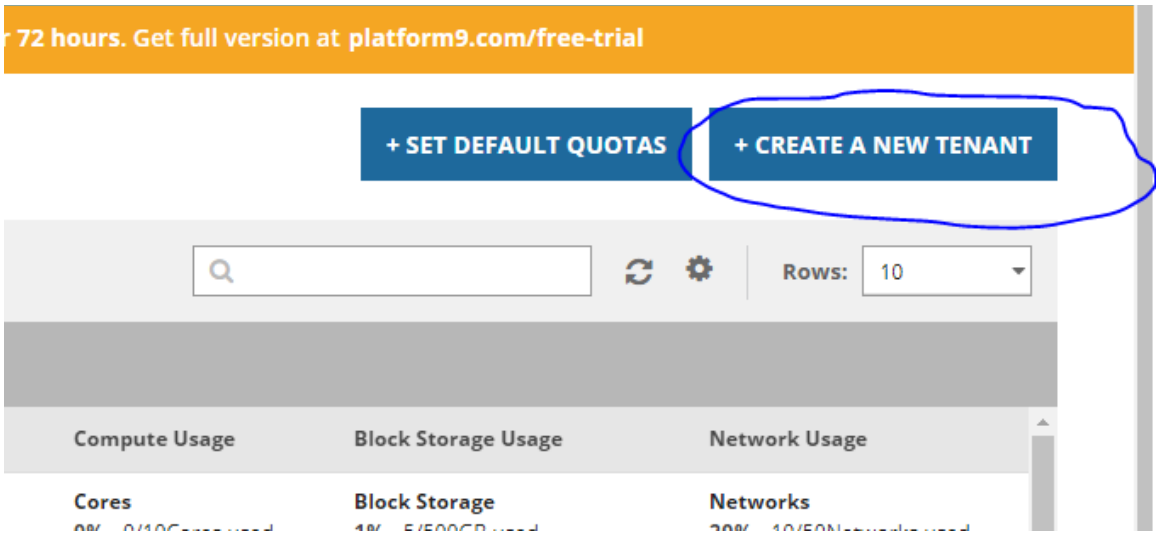


Step 9: click on that machine it will give all the information

Step 10 : For creating Tenant and user Select tenanat and user tab present in left side

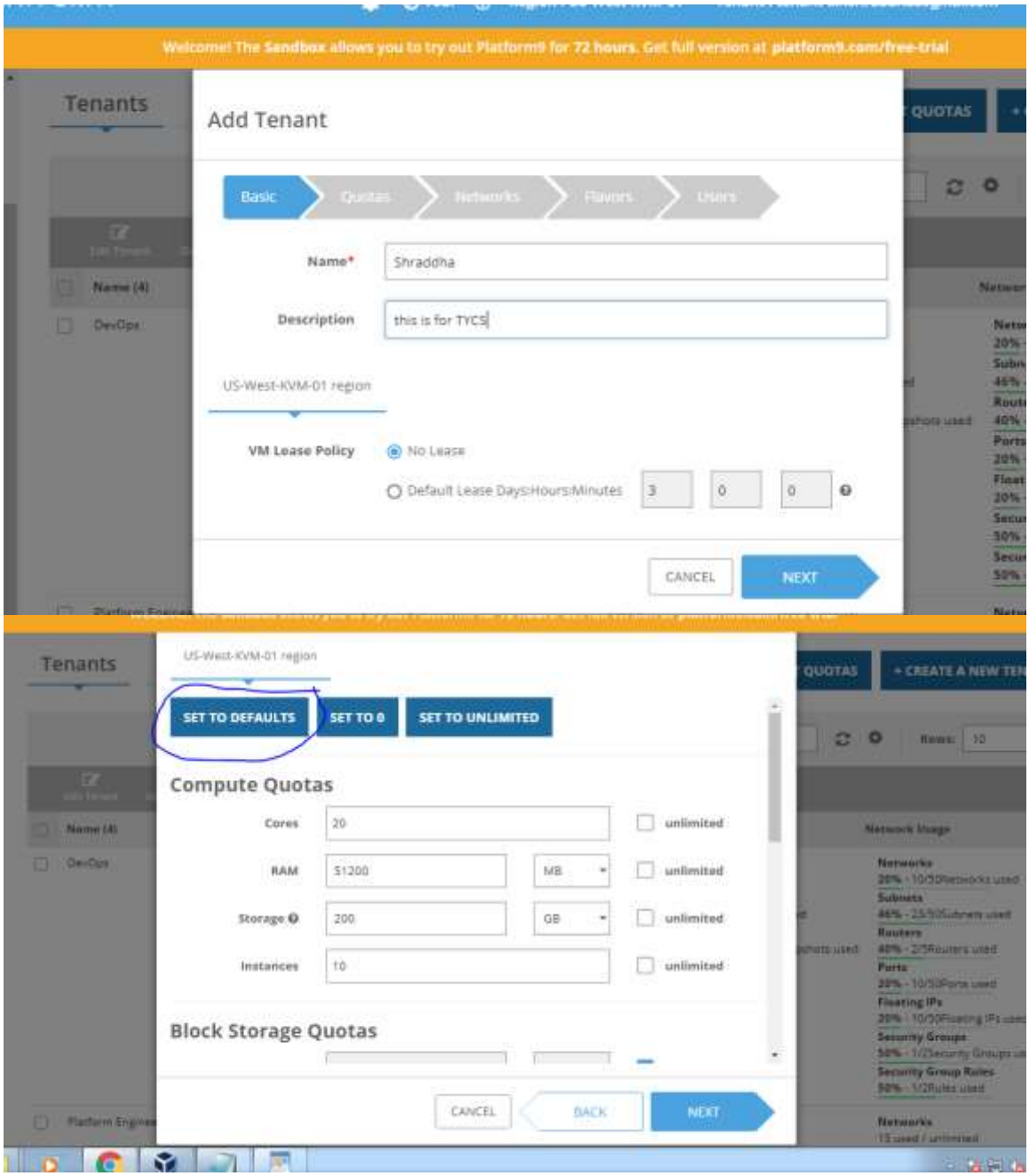


now click on Create new Tenant

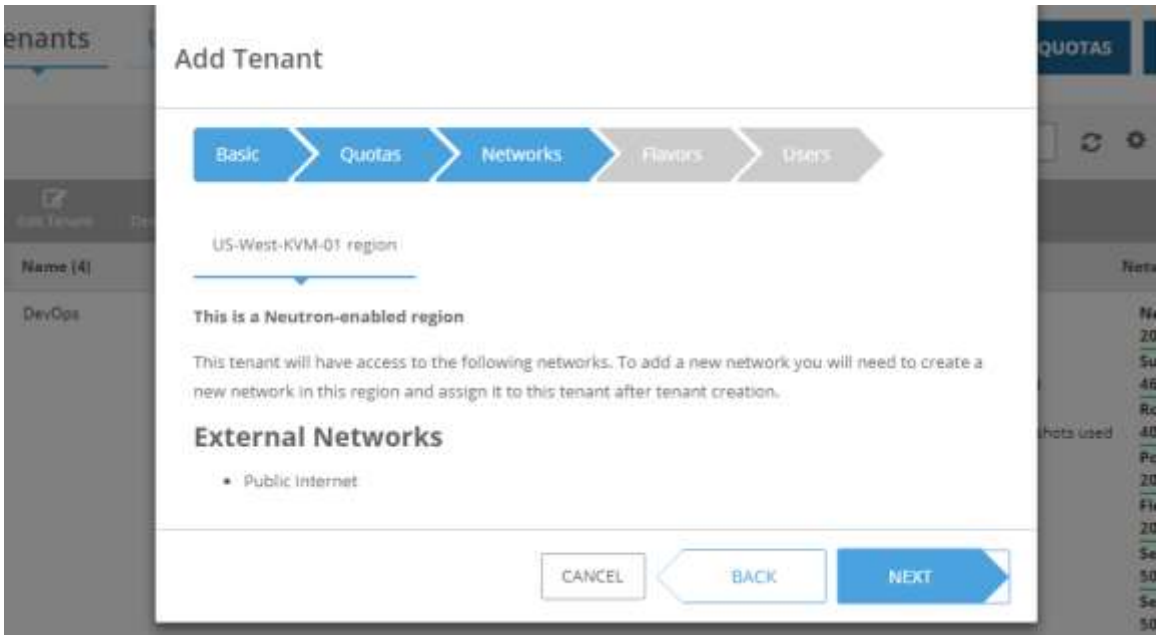


fill the deatils and click on next

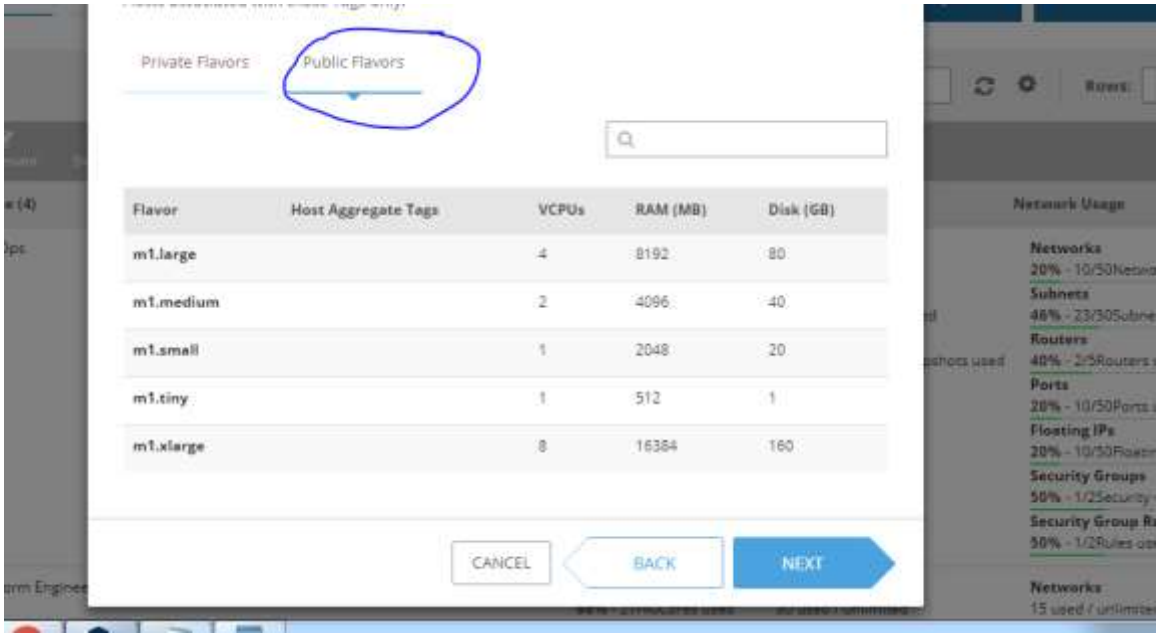
Now click on set Default quota and click on next



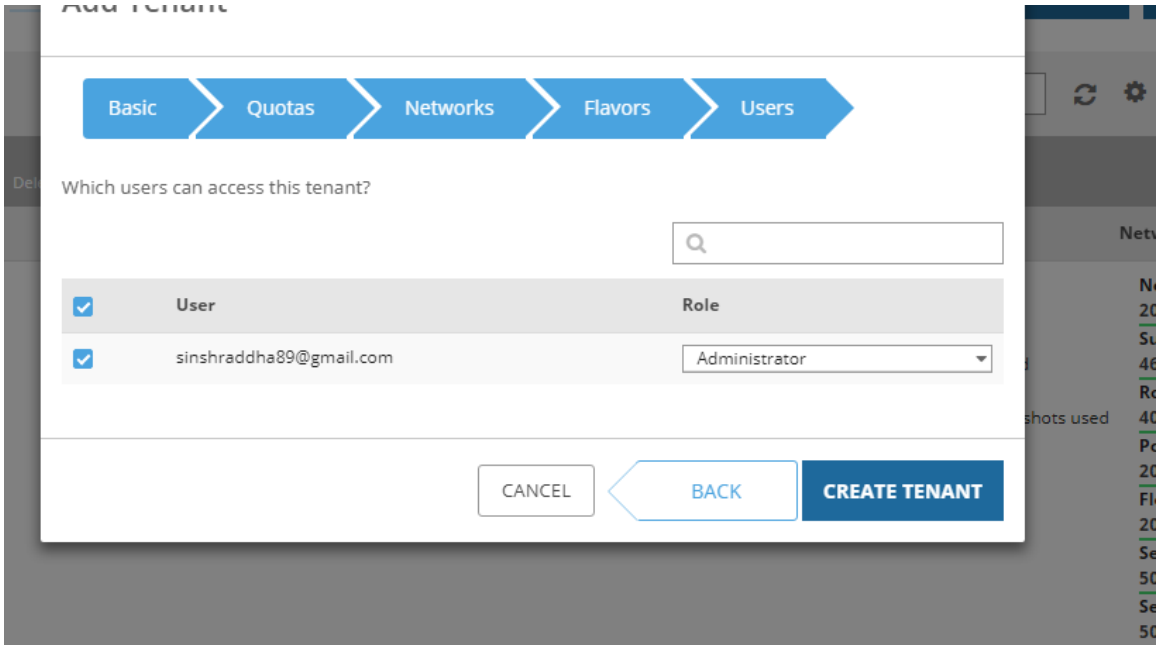
select the network and click on next



select the public flaovar and click on next



click on create tenant


Basic
Quotas
Networks
Flavors
Users
Which users can access this tenant?
User
Role
sinshraddha89@gmail.com
Administrator
CANCEL
BACK
CREATE TENANT