

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.

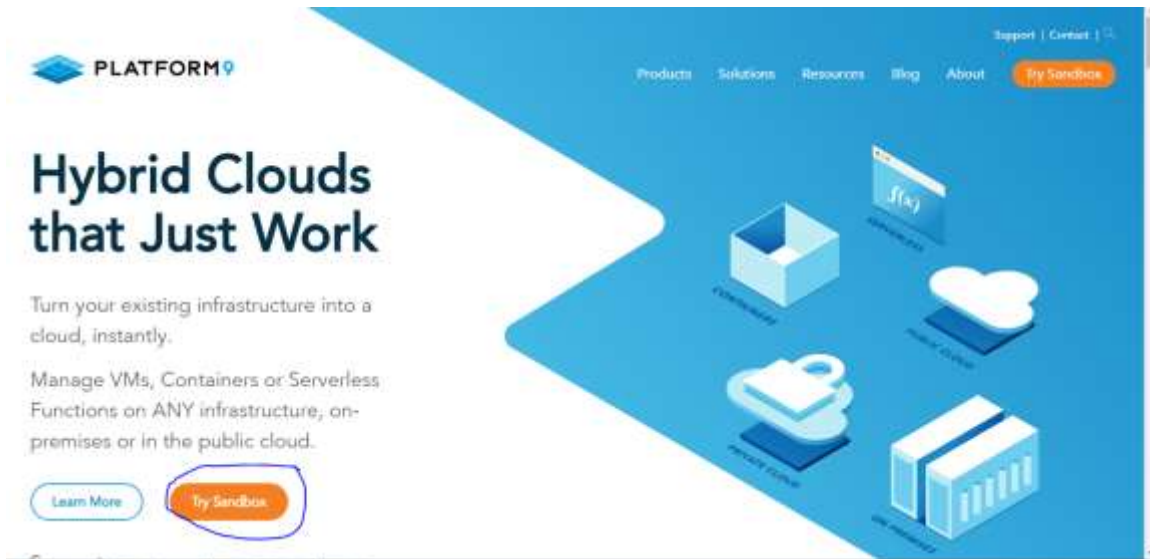
IaaS is one of the three main categories of cloud computing services, alongside software as a service (SaaS) and platform as a service (PaaS)

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.

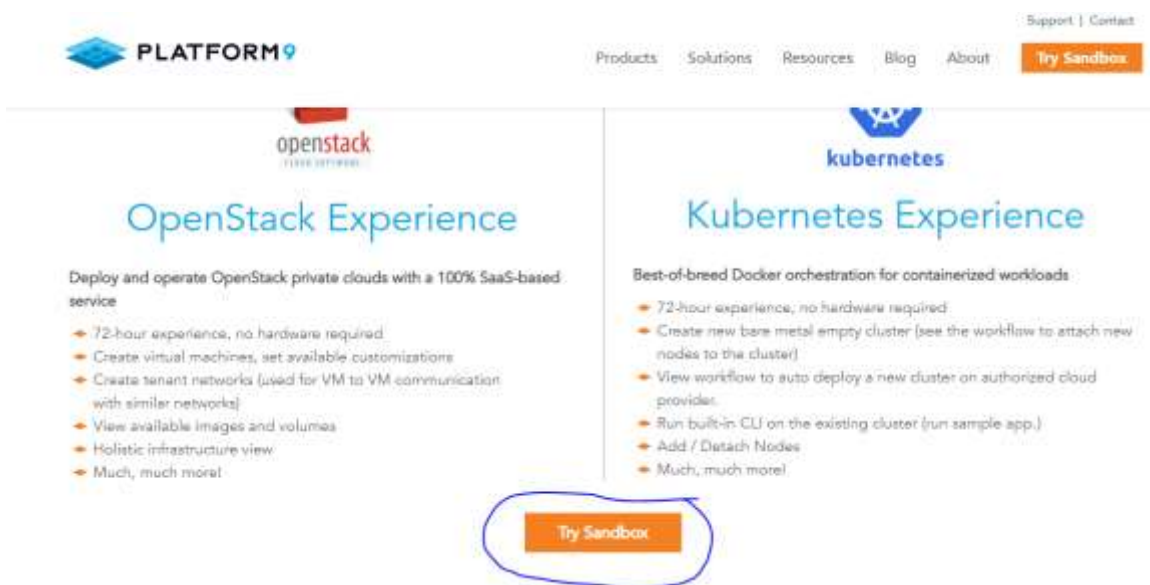
Each resource is offered as a separate service component, and you only need to rent a particular one for as long as you need it. A cloud computing service provider, such as Azure, manages the infrastructure, while you purchase, install, configure, and manage your own software—operating systems, middleware,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

Procedure :

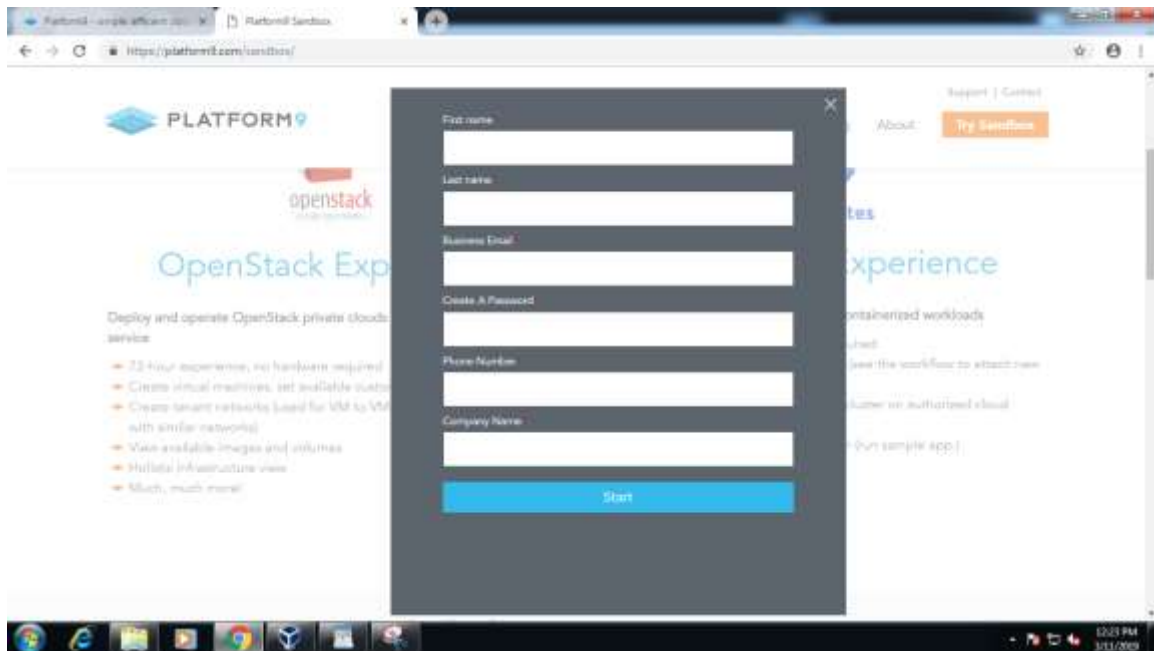
Step 1: open <https://platform9.com/>



step 2: click on try sandbox



Step 3: Now click on Openstack try sandbox



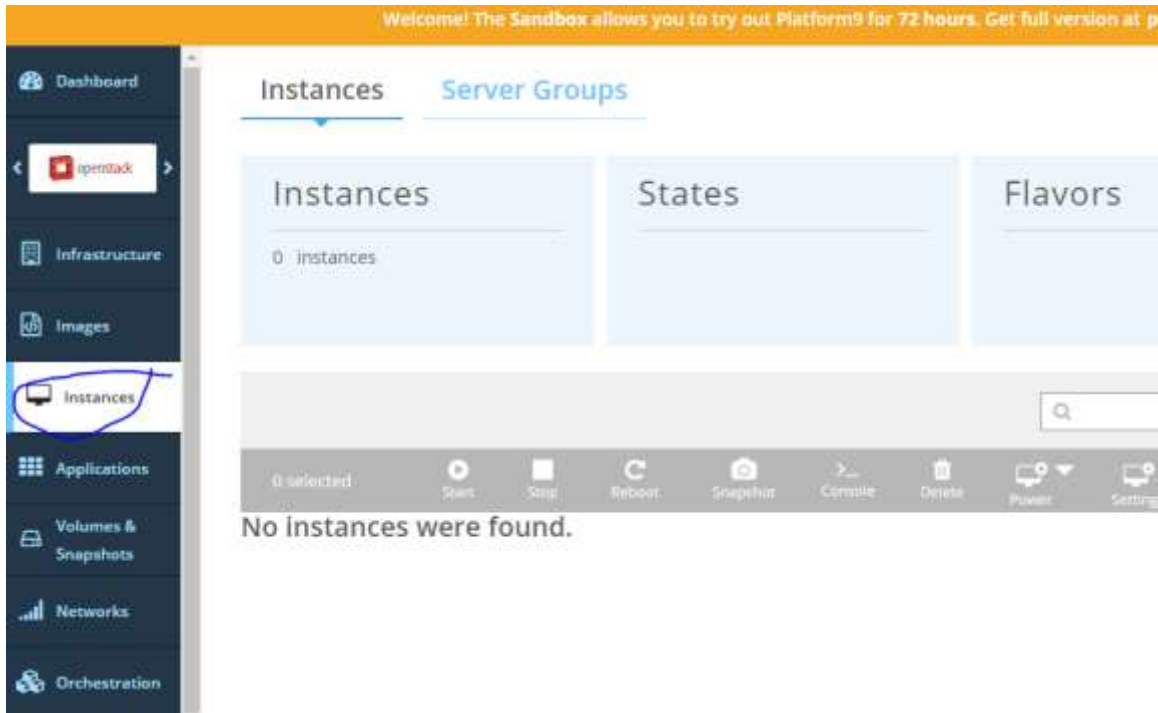
step 4: fill all the details and click on start

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

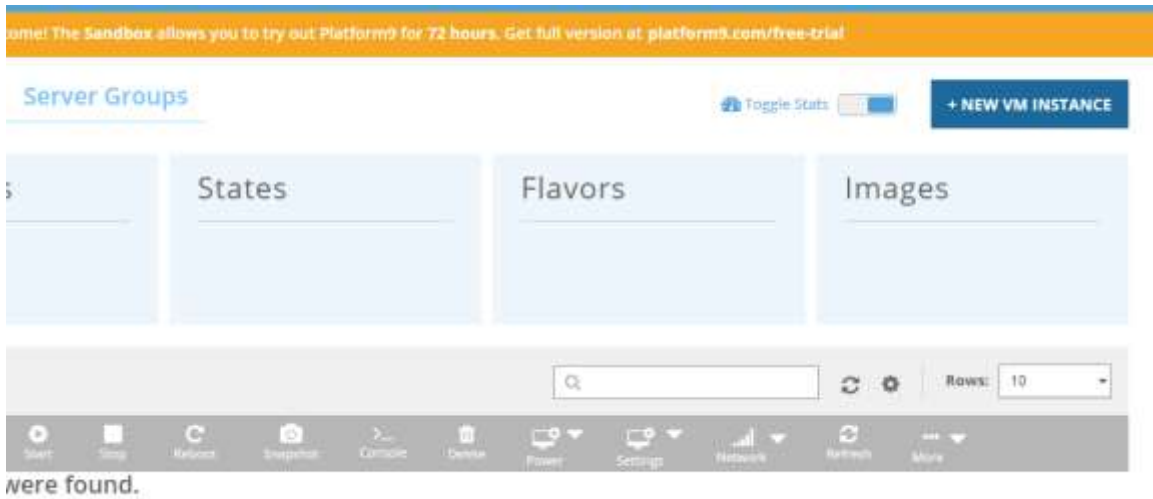
step 6: openstack platform look like this



step 7: Now click on Instance on left side



step 8: And click on Add VM instance

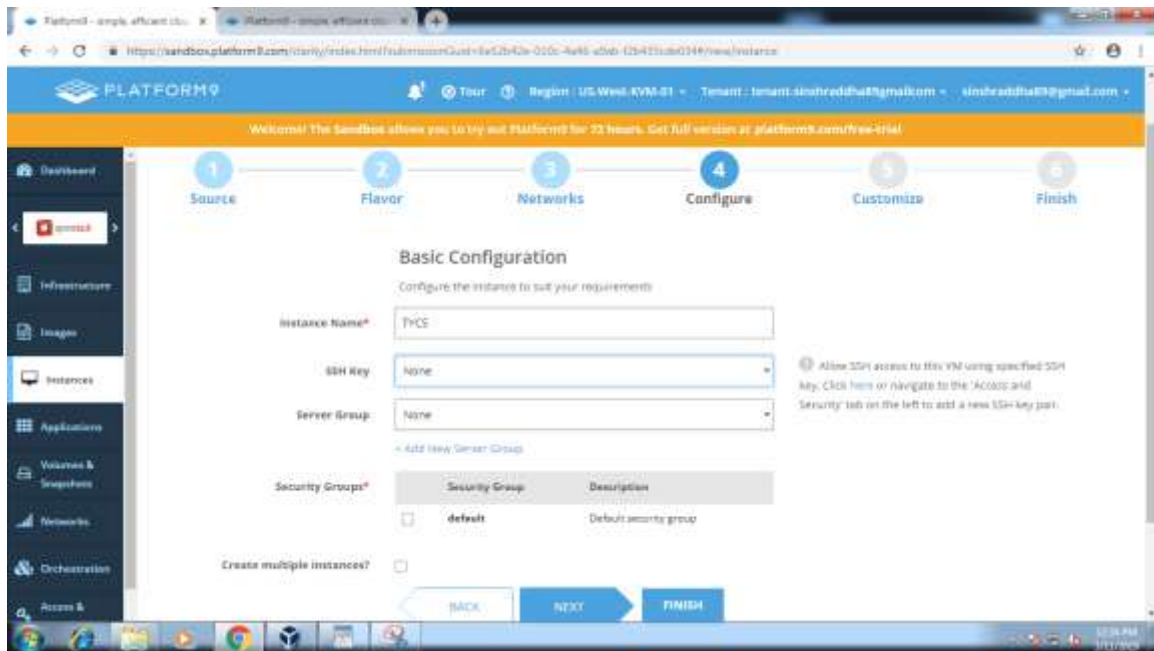


select Ubuntu 16.0.4 and click on next

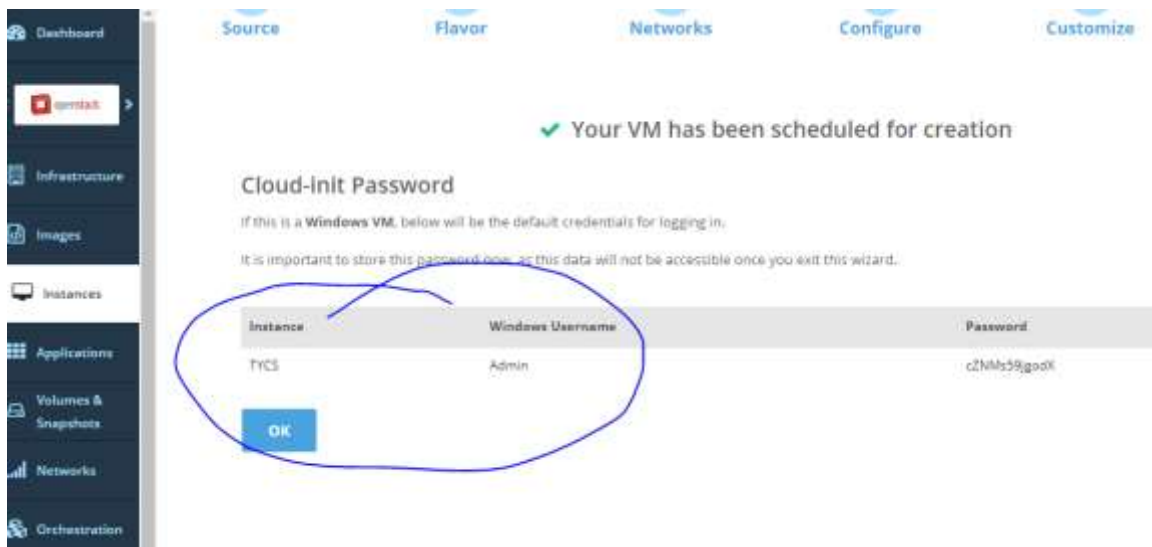
click m1.small and click on next

select Auto allocate network and click on next

give instance name and click on next

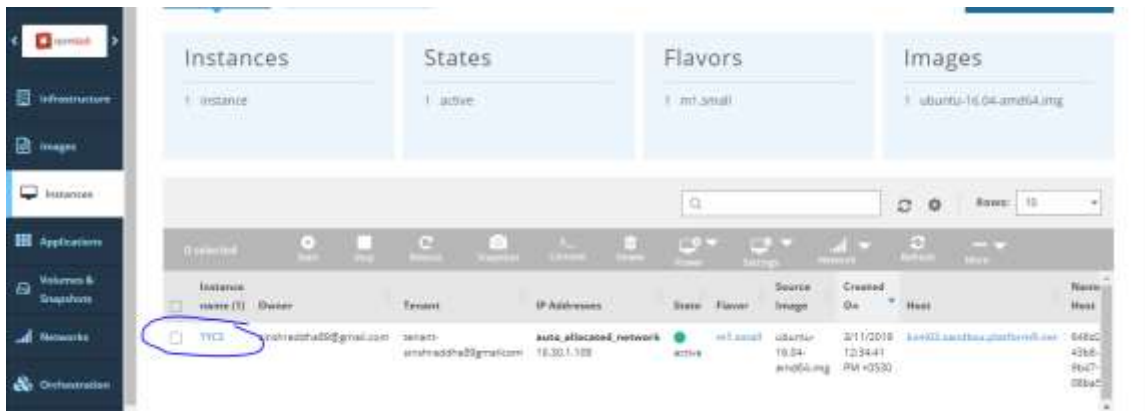


now click on finish

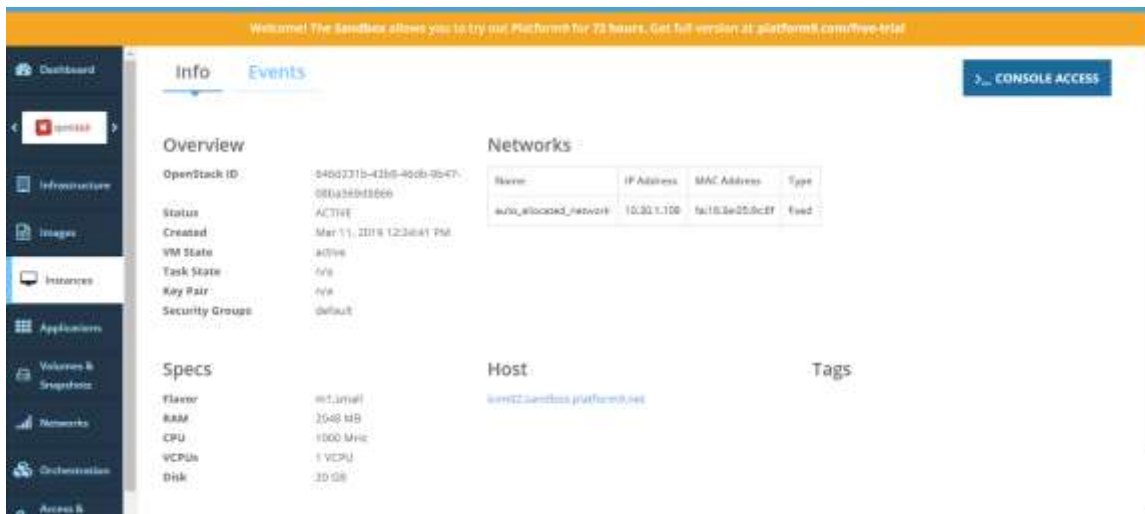


virtual machine created successfully

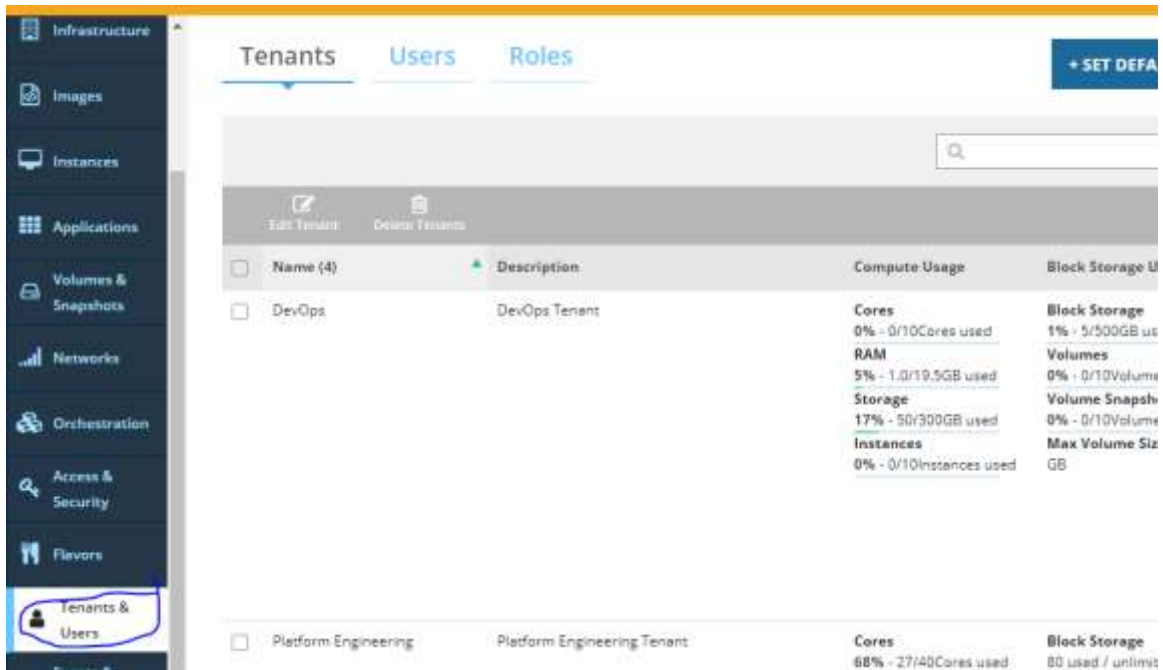
Step 8: click on Instance tab and check the virtual machine



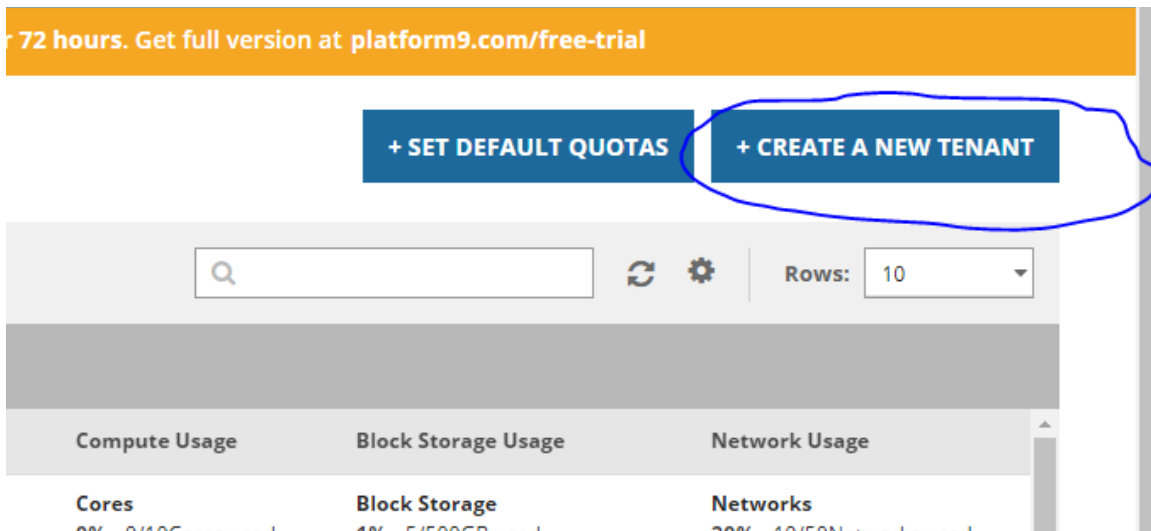
Step 9: click on that machine it will give all the information



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



now click on Create new Tenant



fill the details and click on next

Now click on set Default quota and click on next

Welcome! The Sandbox allows you to try out Platform9 for 72 hours. Get full version at platform9.com/free-trial

Tenants

Add Tenant

Basic > Quotas > Networks > Flavors > Users

Name* Shradha

Description this is for TYCS

US-West-KVM-01 region

VM Lease Policy ☒ No Lease ☐ Default Lease Days:Hours:Minutes 3 0 0

CANCEL NEXT

US-West-KVM-01 region

SET TO DEFAULTS SET TO 0 SET TO UNLIMITED

Compute Quotas

Cores	20		<input type="checkbox"/> unlimited
RAM	51200	MB	<input type="checkbox"/> unlimited
Storage	200	GB	<input type="checkbox"/> unlimited
Instances	10		<input type="checkbox"/> unlimited

Block Storage Quotas

CANCEL BACK NEXT

select the network and click on next

Add Tenant

Basic > Quotas > **Networks** > Flavors > Users

US-West-KVM-01 region

This is a Neutron-enabled region

This tenant will have access to the following networks. To add a new network you will need to create a new network in this region and assign it to this tenant after tenant creation.

External Networks

- Public Internet

CANCEL BACK NEXT

select the public flavor and click on next

Private Flavors Public Flavors

Flavor Host Aggregate Tags VCPUs RAM (MB) Disk (GB)

m1.large		4	8192	80
m1.medium		2	4096	40
m1.small		1	2048	20
m1.tiny		1	512	1
m1.xlarge		8	16384	160

CANCEL BACK NEXT

click on create tenant

Add Tenant

Basic

Quotas

Networks

Flavors

Users

Which users can access this tenant?



User

Role



sinshraddha89@gmail.com

Administrator

CANCEL

BACK

CREATE TENANT

