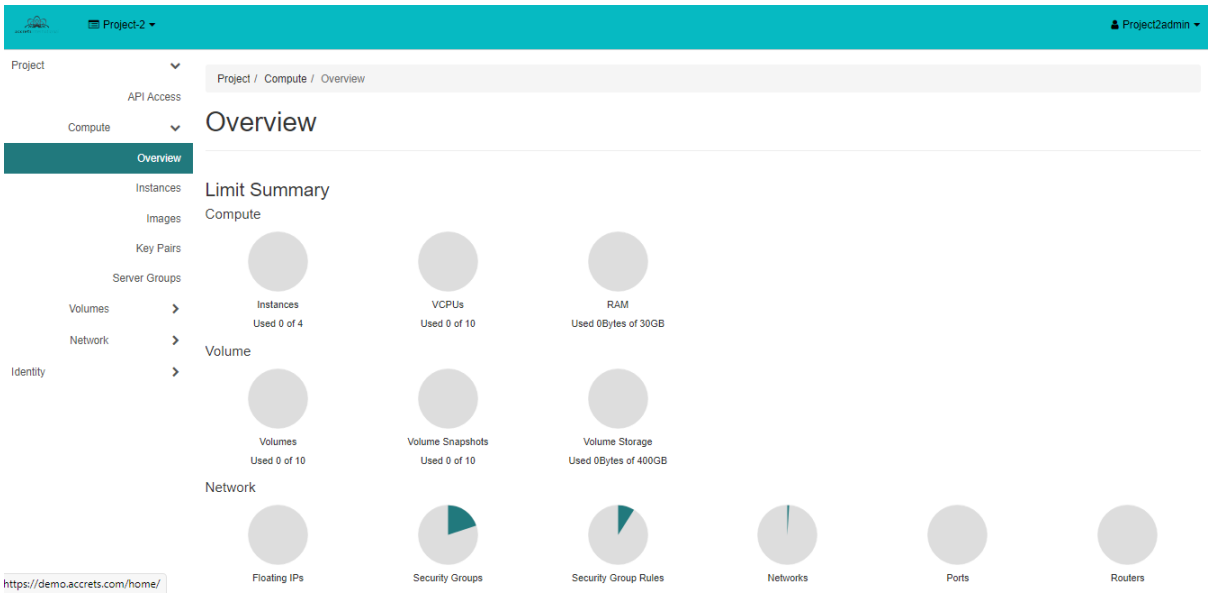
Contents

General Introduction of Portal Interface

OpenStack dashboard - **Project tab**

Projects are organizational units in the cloud and are also known as tenants or accounts. Each user is a member of one or more projects. Within a project, a user creates and manages instances.



From the Project tab, you can view and manage the resources in a selected project, including instances and images. You can select the project from the drop-down menu at the top left. If the cloud supports multi-domain model, you can also select the domain from this menu.

From the Project tab, you can access the following categories:

- API Access: View API endpoints.

Compute tab

- Overview: View reports for the project.
- Instances: View, launch, create a snapshot from, stop, pause, or reboot instances, or connect to them through VNC.
- Images: View images and instance snapshots created by project users, plus any images that are publicly available. Create, edit, and delete images, and launch instances from images and snapshots.
- Key Pairs: View, create, edit, import, and delete key pairs.

Volume tab

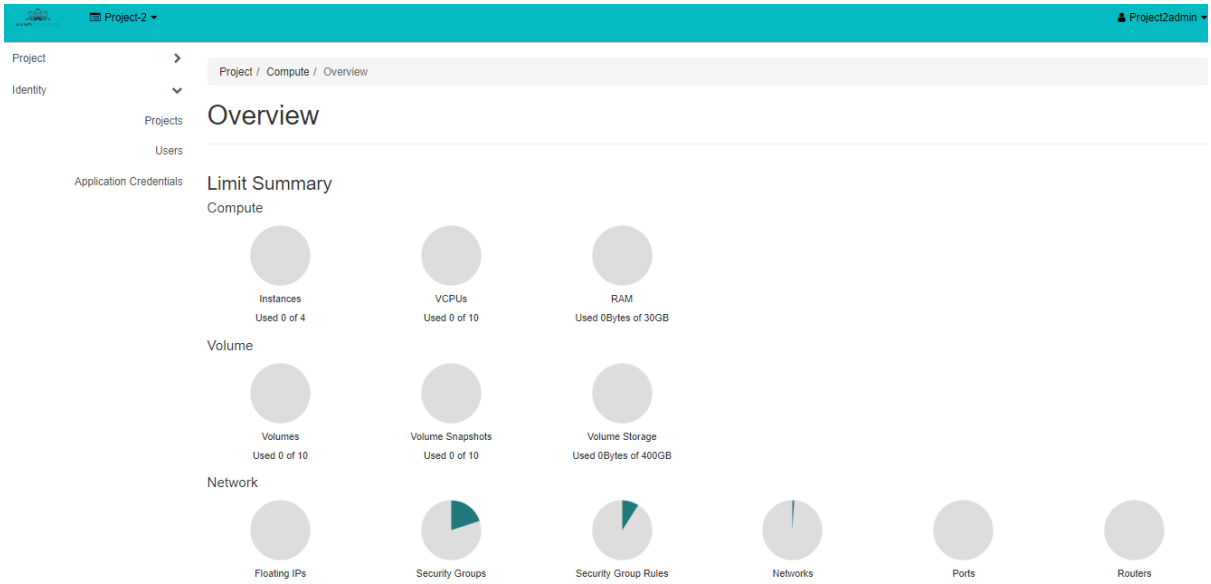
- Volumes: View, create, edit, and delete volumes.
- Snapshots: View, create, edit, and delete volume snapshots.
- Groups: View, create, edit, and delete groups.
- Group Snapshots: View, create, edit, and delete group snapshots.

Network tab

- Network Topology: View the network topology.
- Networks: Create and manage public and private networks.
- Routers: Create and manage routers.
- Security Groups: View, create, edit, and delete security groups and security group rules..
- Floating IPs: Allocate an IP address to or release it from a project.

OpenStack dashboard - **Identity tab**

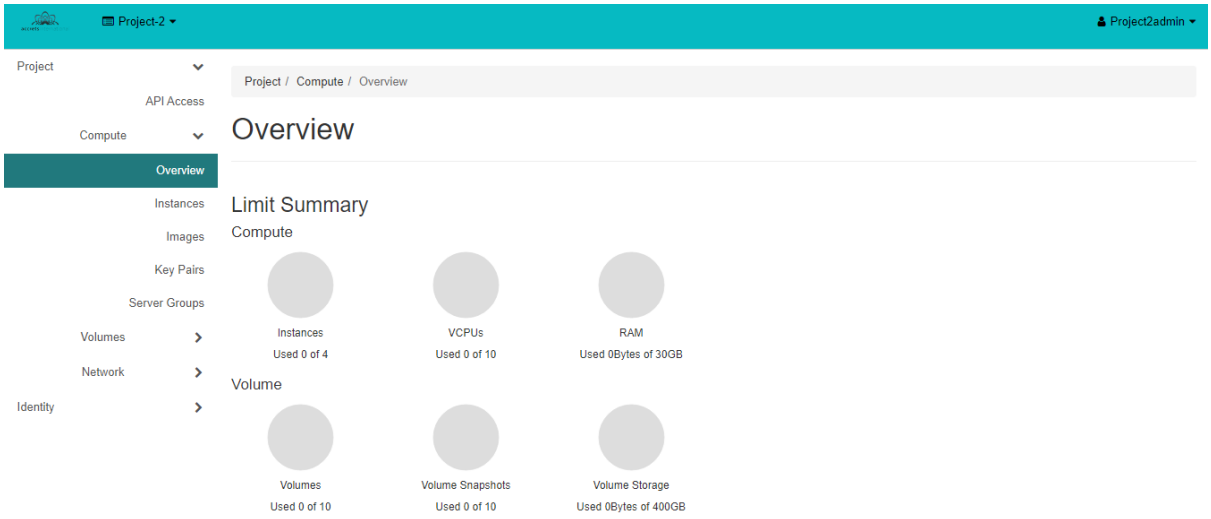
- Projects: View, create, assign users to, remove users from, and delete projects.
- Users: View, create, enable, disable, and delete users.



How to setup a Linux Virtual Server

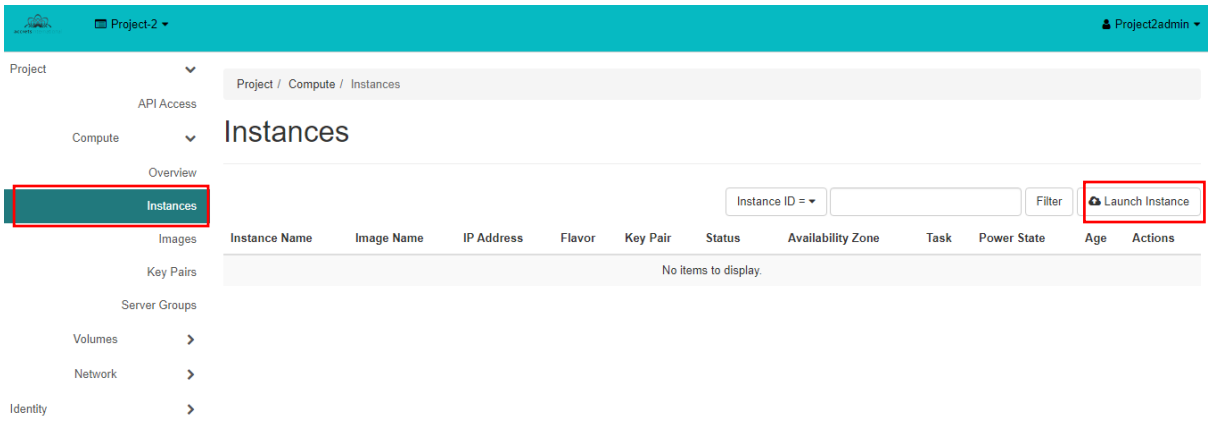
1. Once logged in OpenStack Dashboard, below screen capture appears

Click on Compute, then Overview: This screen will show you the quota limits set up so far, and how much of those quota limits are consumed by your project.

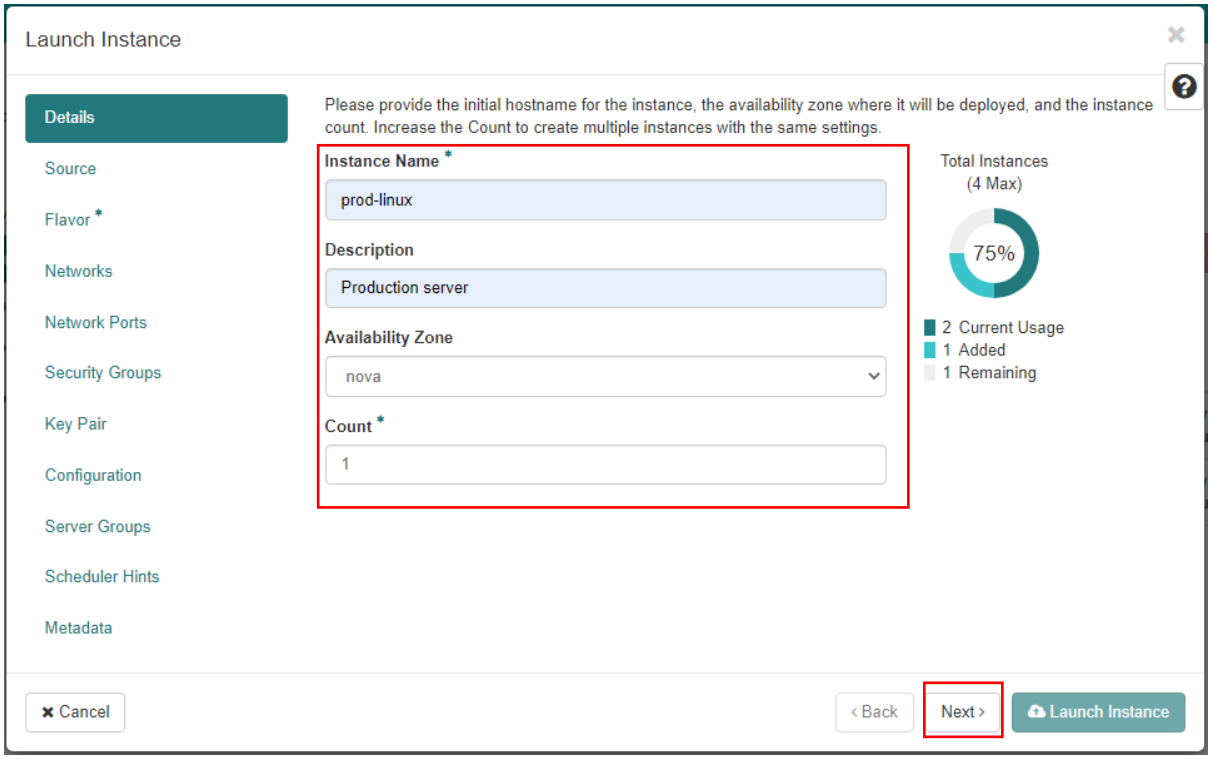


2. To create new VM, go to Project → Compute → Instances

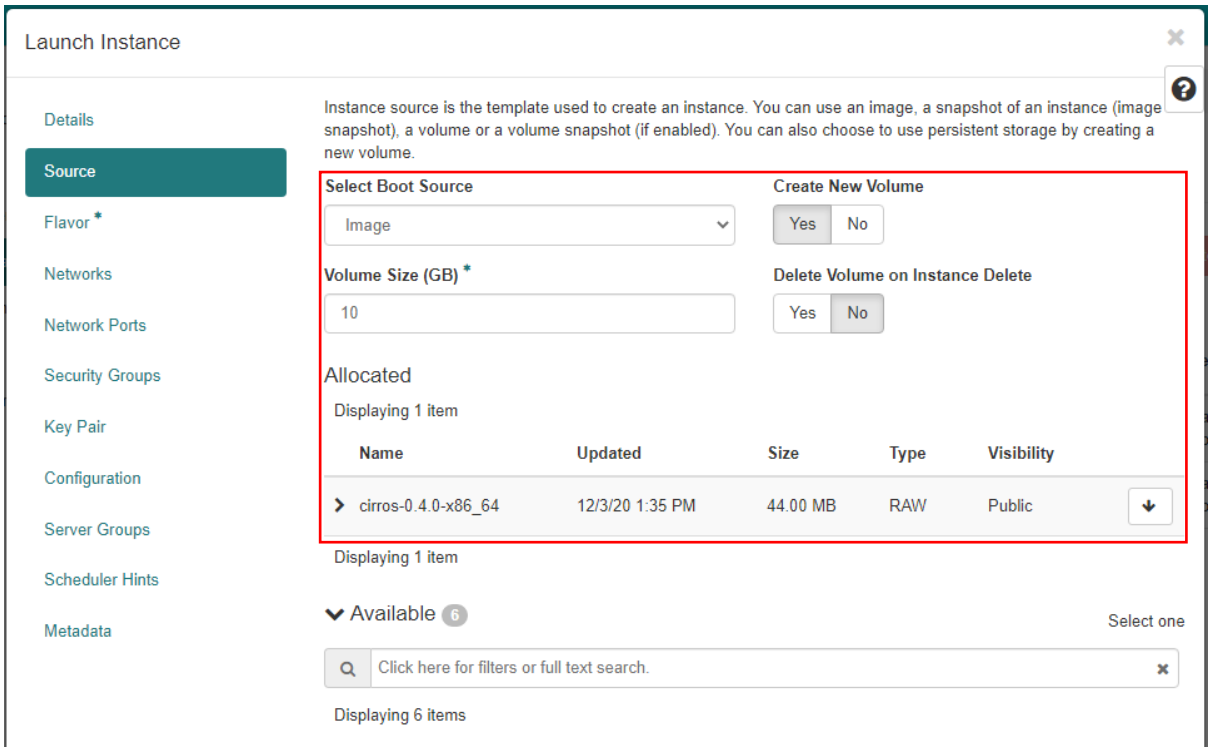
   Click "Launch Instance"



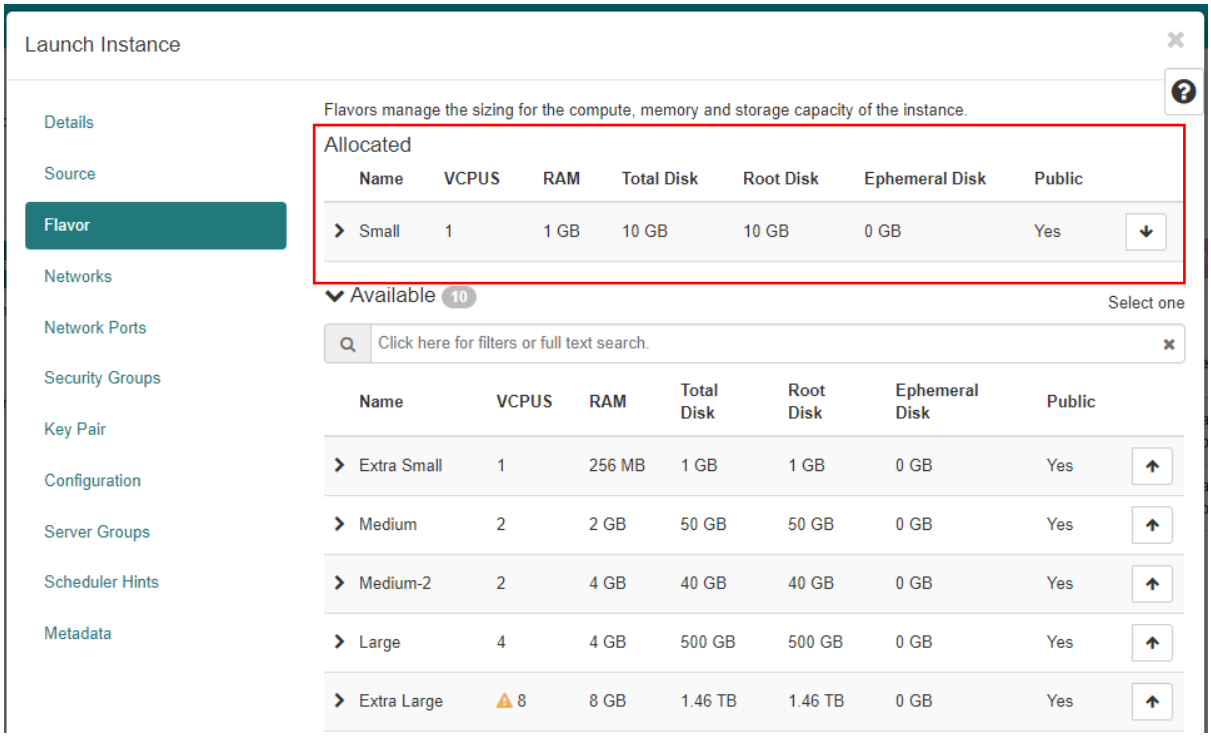
3. Once “Launch instance” page appears, insert the name of the Instance (e.g. "vm01") and click Next button.



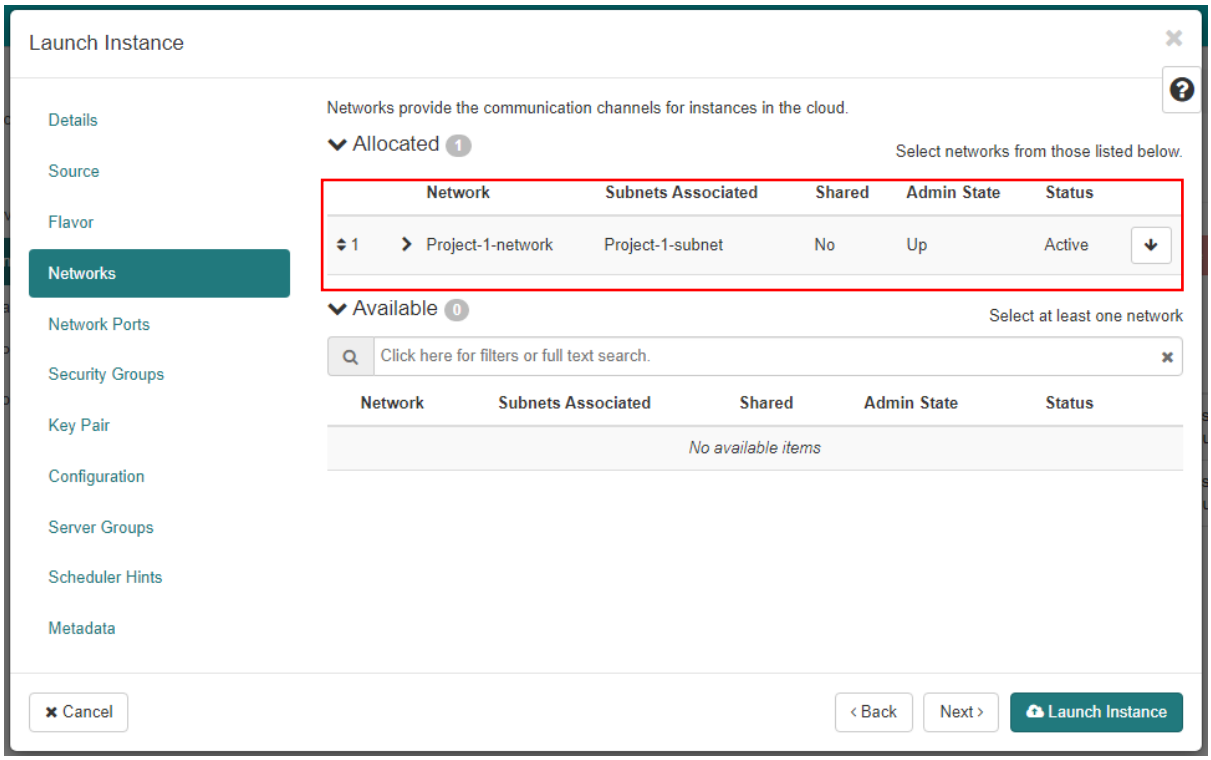
4. Select Instance Boot Source (eg. "Image"), and choose desired image (e.g. "Ubuntu 16.04 LTS") by clicking on arrow

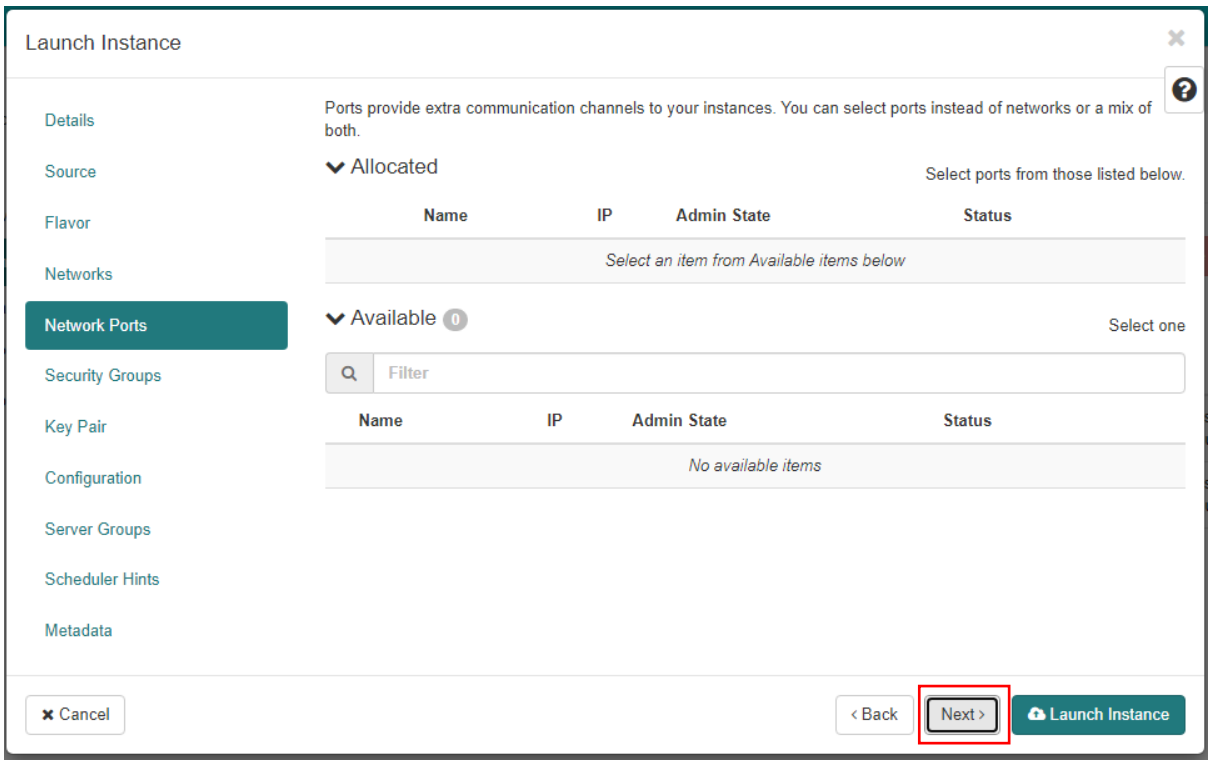


5. Choose Flavor (e.g. Small)

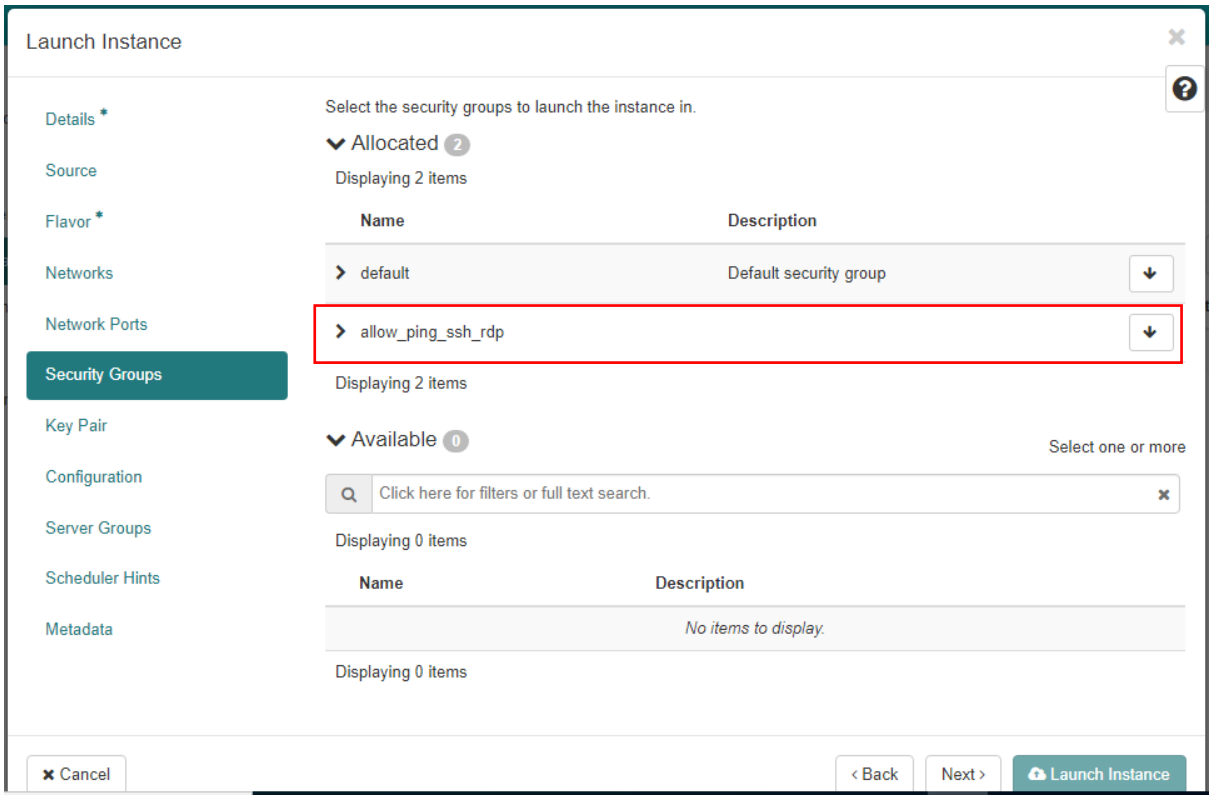


6. Click "Networks" and then choose desired networks.

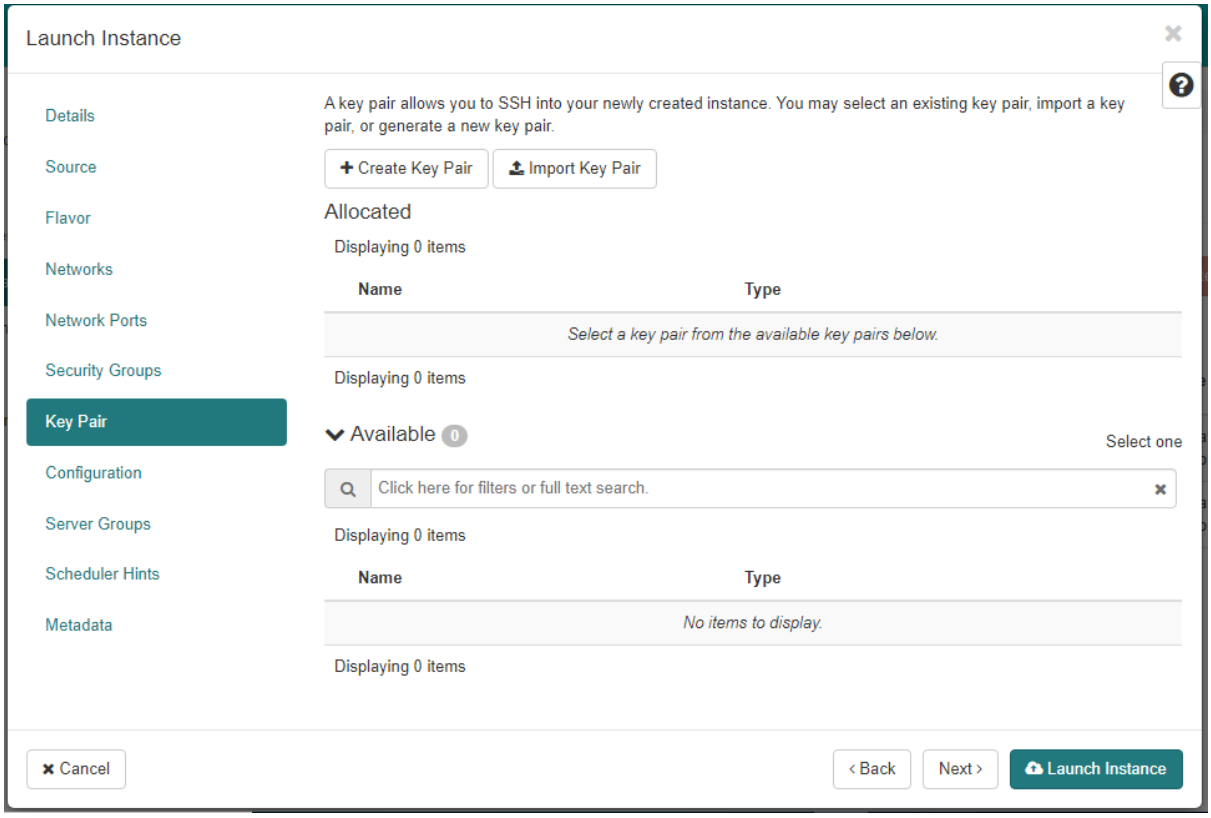




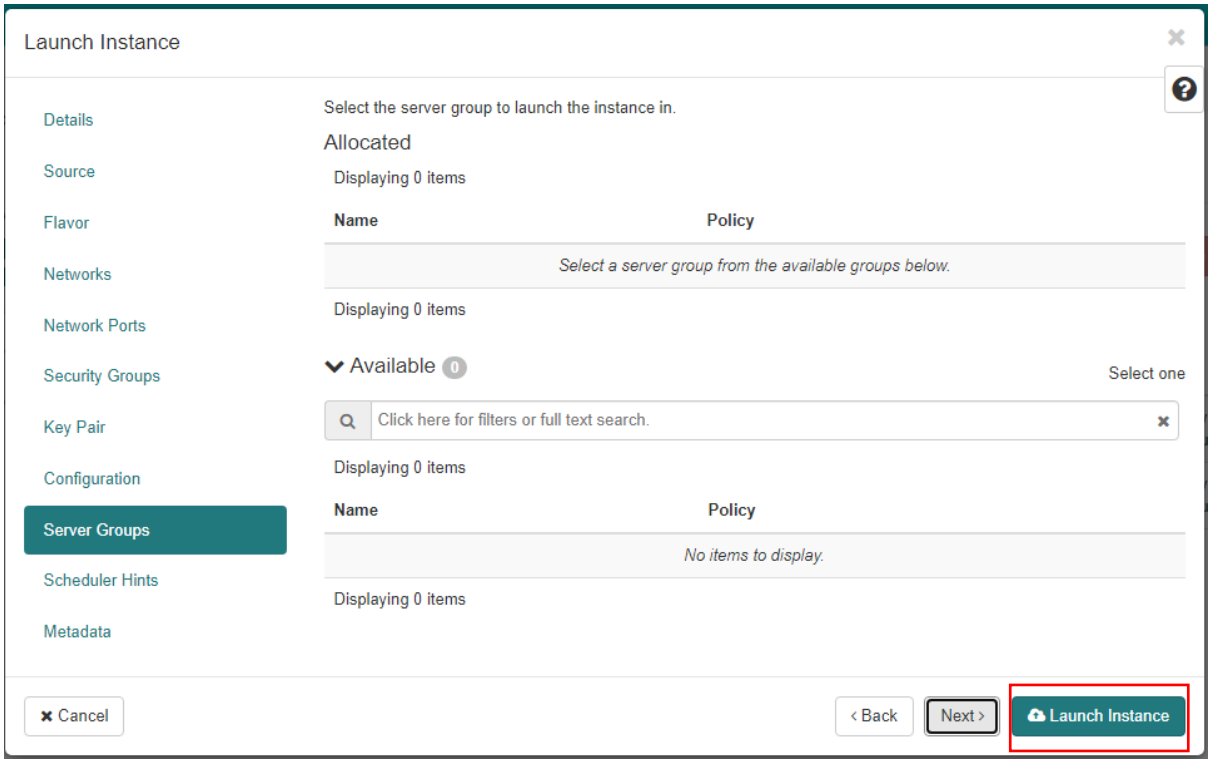
7. Click "Security groups" and allow ports of your choice (e.g. allow_ping_rdp_ssh)



8. Choose or generate SSH Key pairs for VM by clicking on "Key pairs" option



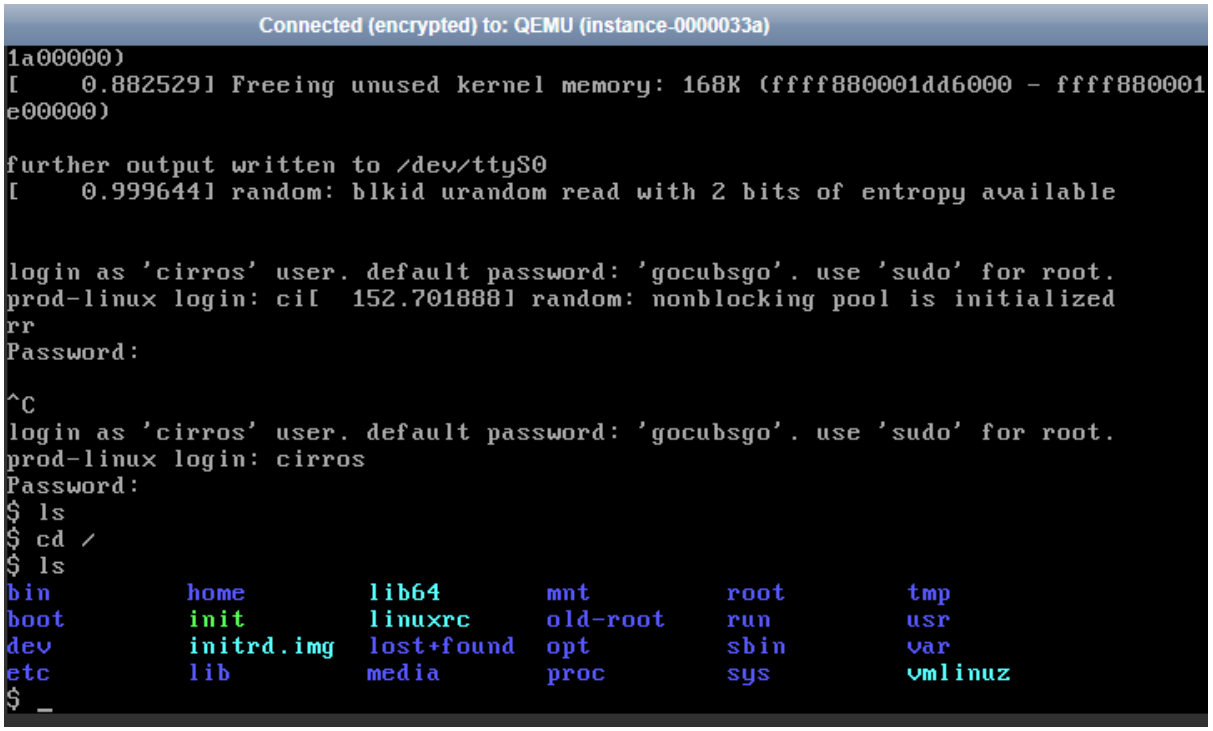
Next, launch instance



Now, you will see "Instances" menu with your newly created VM

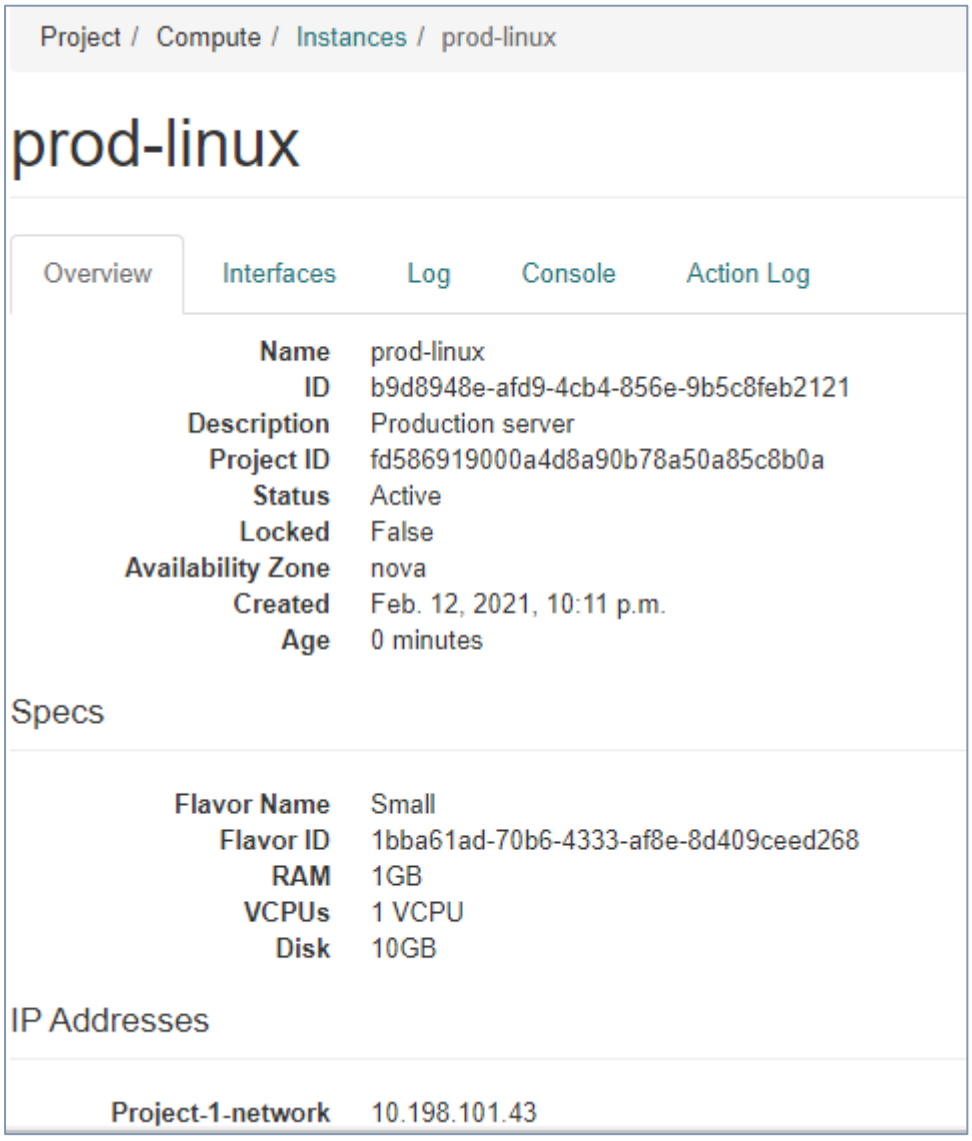
Instance Name	Image Name	IP Address	Flavor	Key Pair	Status	Availability Zone	Task	Power State	Age	Actions
prod-linux	cirros-0.4.0-x86_64	10.198.101.43	Small	-	Active	nova	None	Running	0 minutes	Create Snapshot

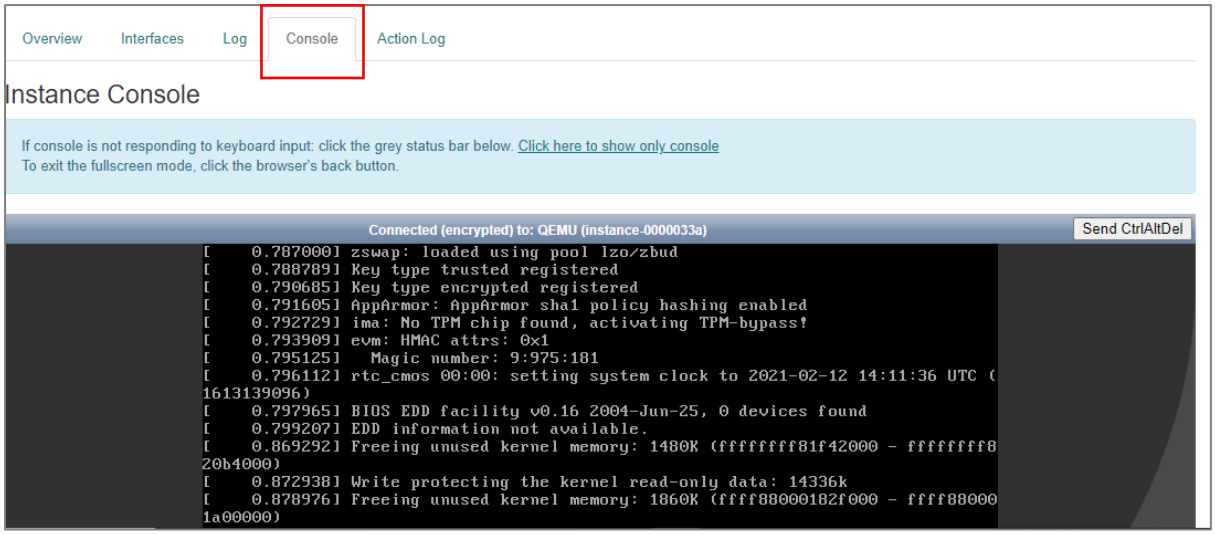
Open the drop-down menu and choose "Console"


Connected (encrypted) to: QEMU (instance-0000033a)
1a00000)
[0.882529] Freeing unused kernel memory: 168K (ffff880001dd6000 - ffff880001
e00000)
further output written to /dev/ttyS0
[0.999644] random: blkid urandom read with 2 bits of entropy available
login as 'cirros' user. default password: 'gocubsgo'. use 'sudo' for root.
prod-linux login: ci[152.701888] random: nonblocking pool is initialized
rr
Password:
^C
login as 'cirros' user. default password: 'gocubsgo'. use 'sudo' for root.
prod-linux login: cirros
Password:
$ ls
$ cd /
$ ls
bin home lib64 mnt root tmp
boot init linuxrc old-root run usr
dev initrd.img lost+found opt sbin var
etc lib media proc sys vmlinuz
$ _

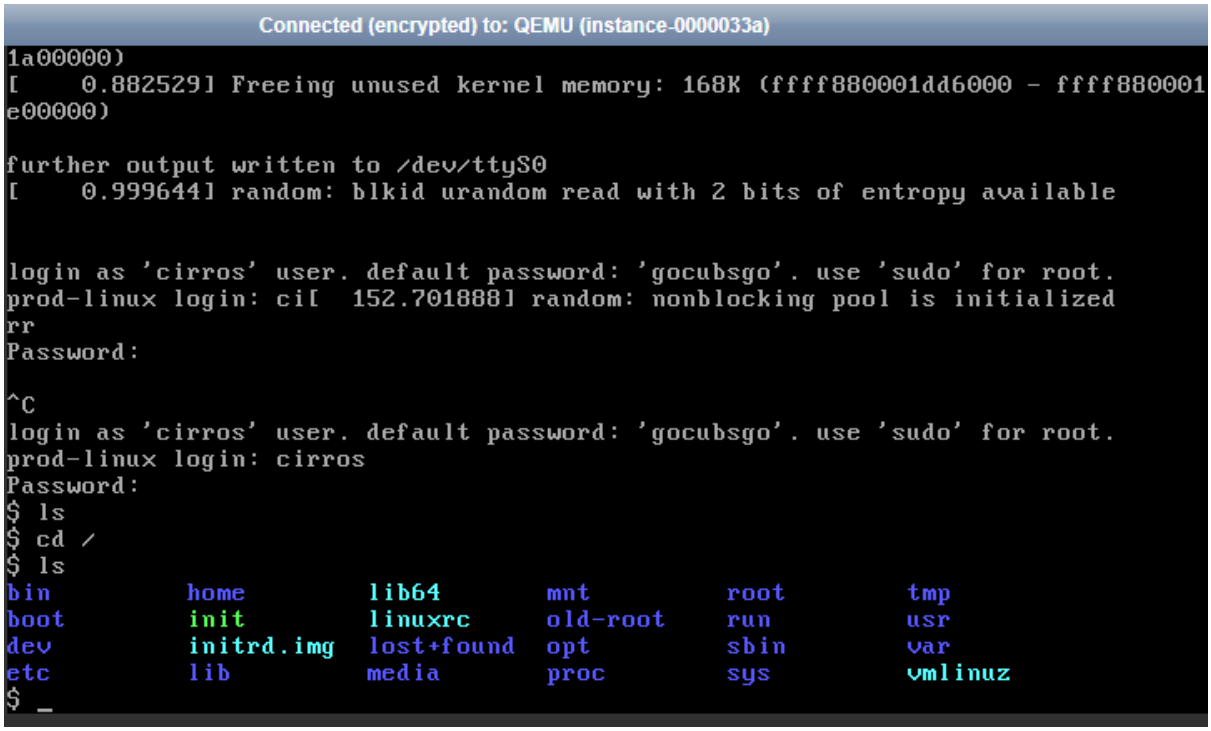
How to log on to Virtual Server after creation

Once "Instance" is up and running, go to Project → Compute → Instances → Select "Your Instance"





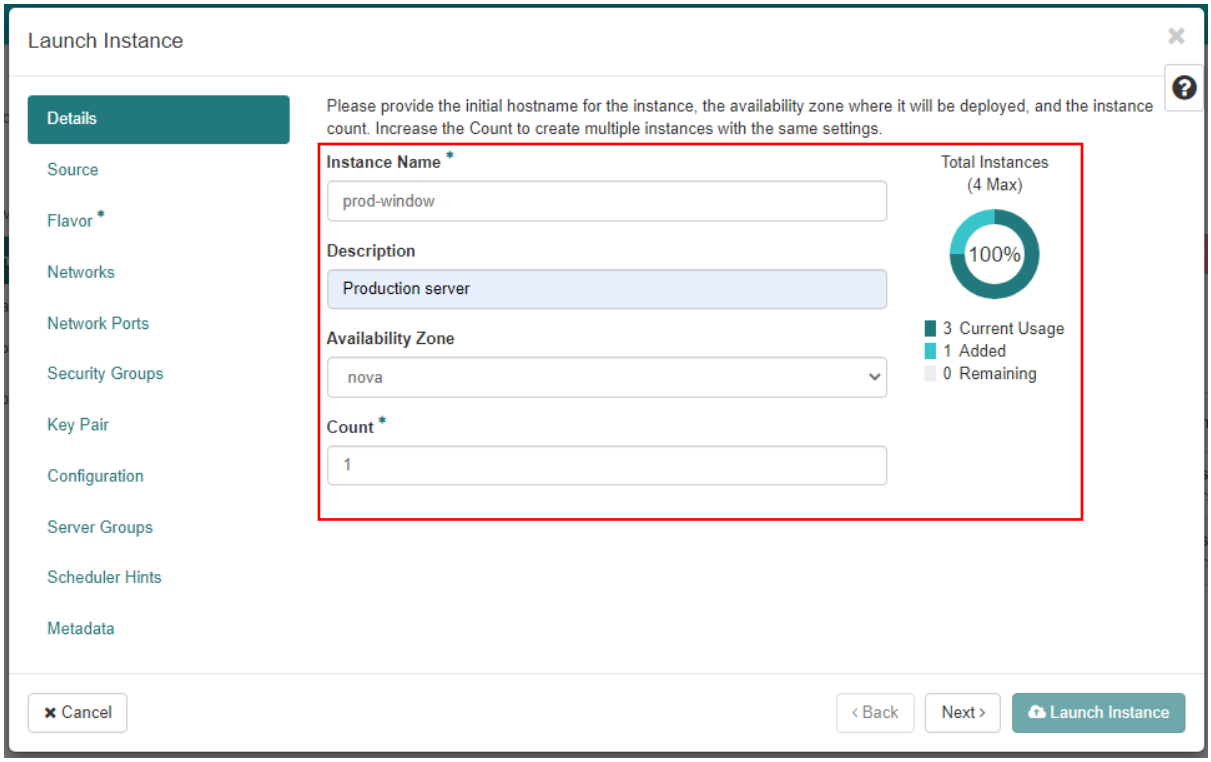
Go to console tab and enter VM login credentials



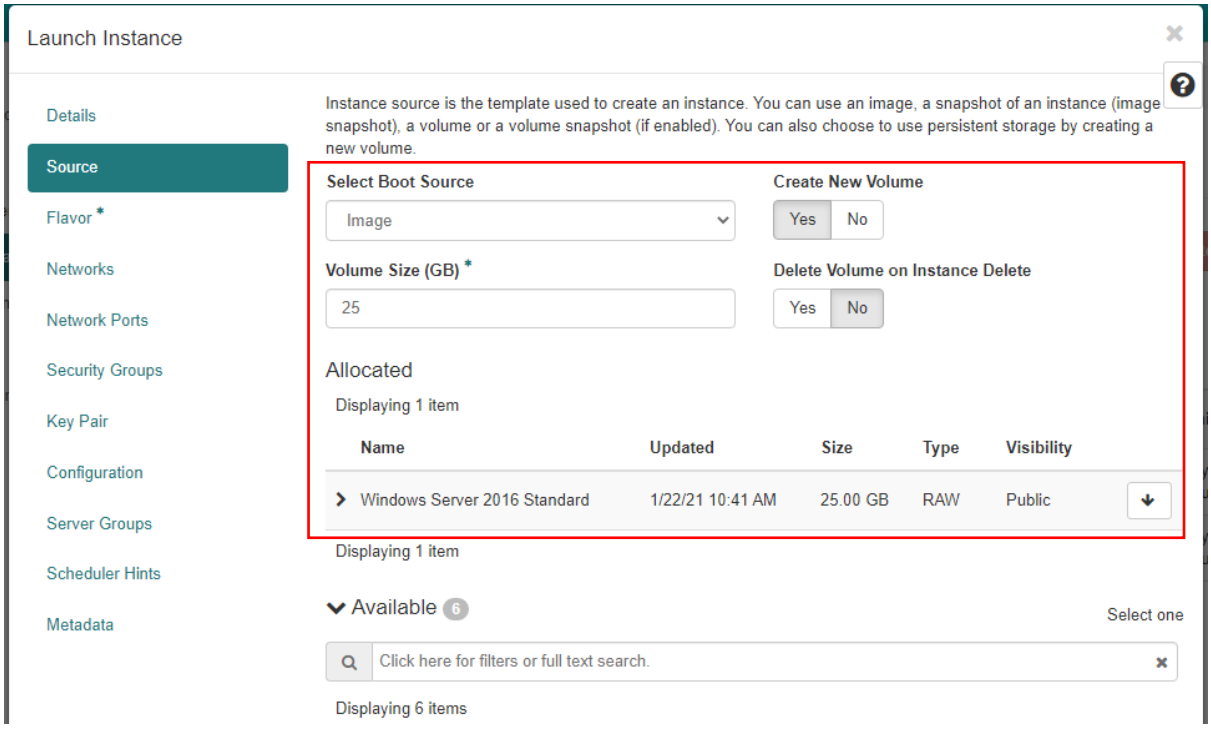
How to setup a Windows Virtual Server

1. Login to OpenStack Dashboard → Go to Project → Compute → Instances

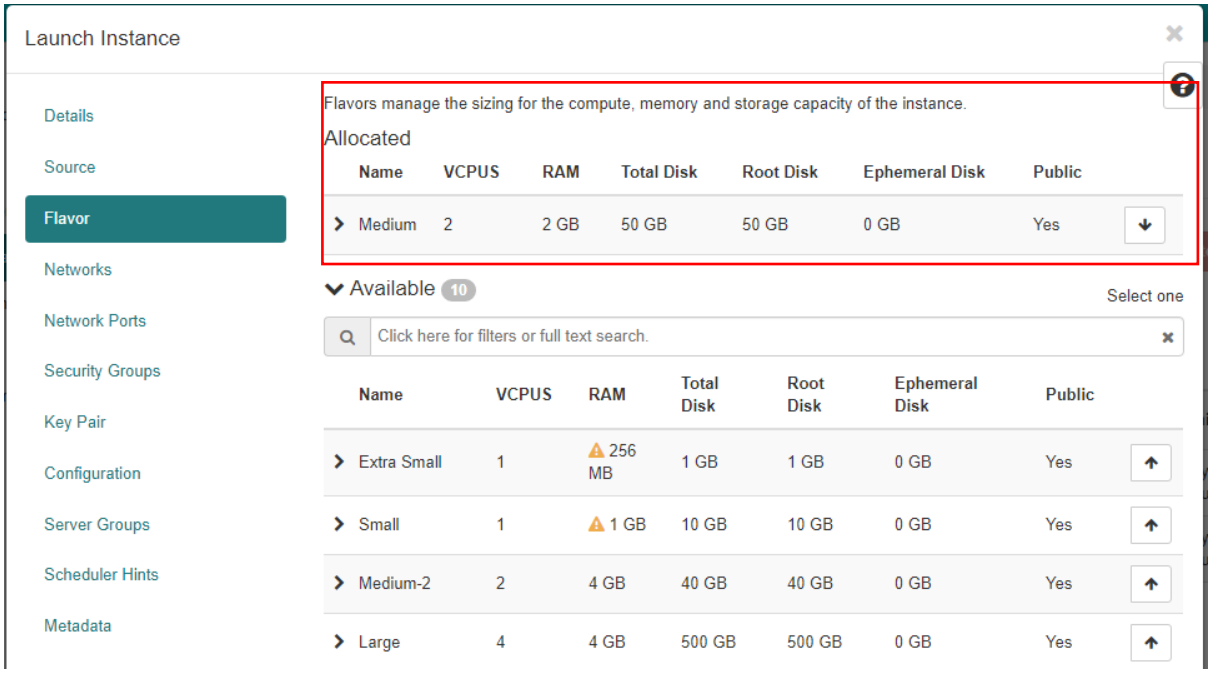
Click "Launch Instance"



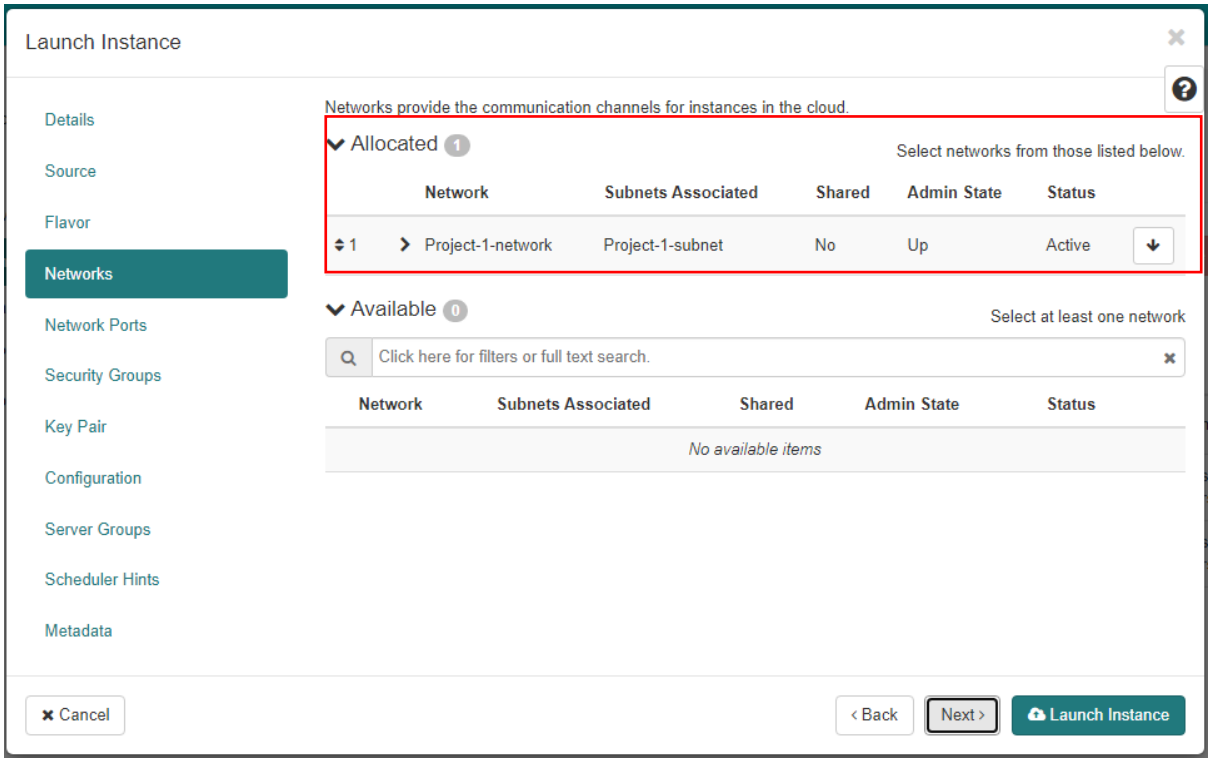
2. Select Instance Boot Source (eg. "Image"), and choose desired image (e.g. "Ubuntu 16.04 LTS") by clicking on arrow



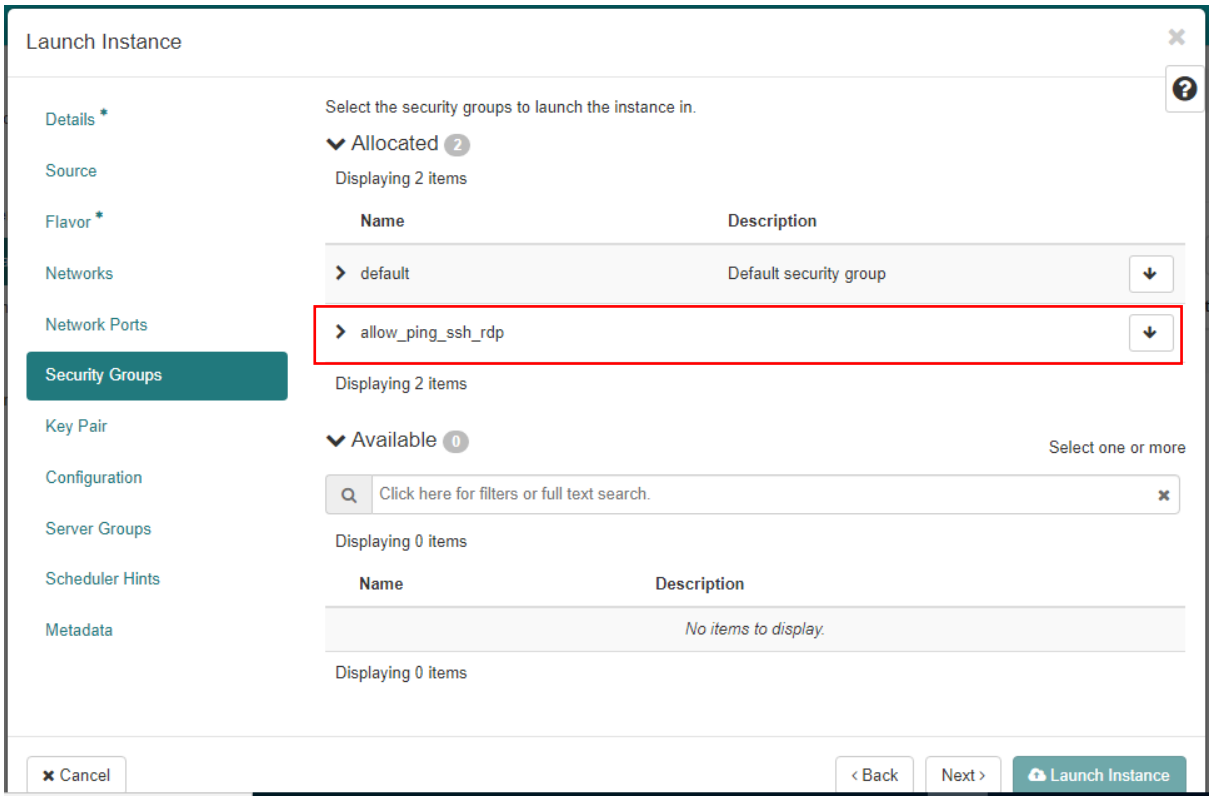
3. Choose Flavor (e.g. Medium)



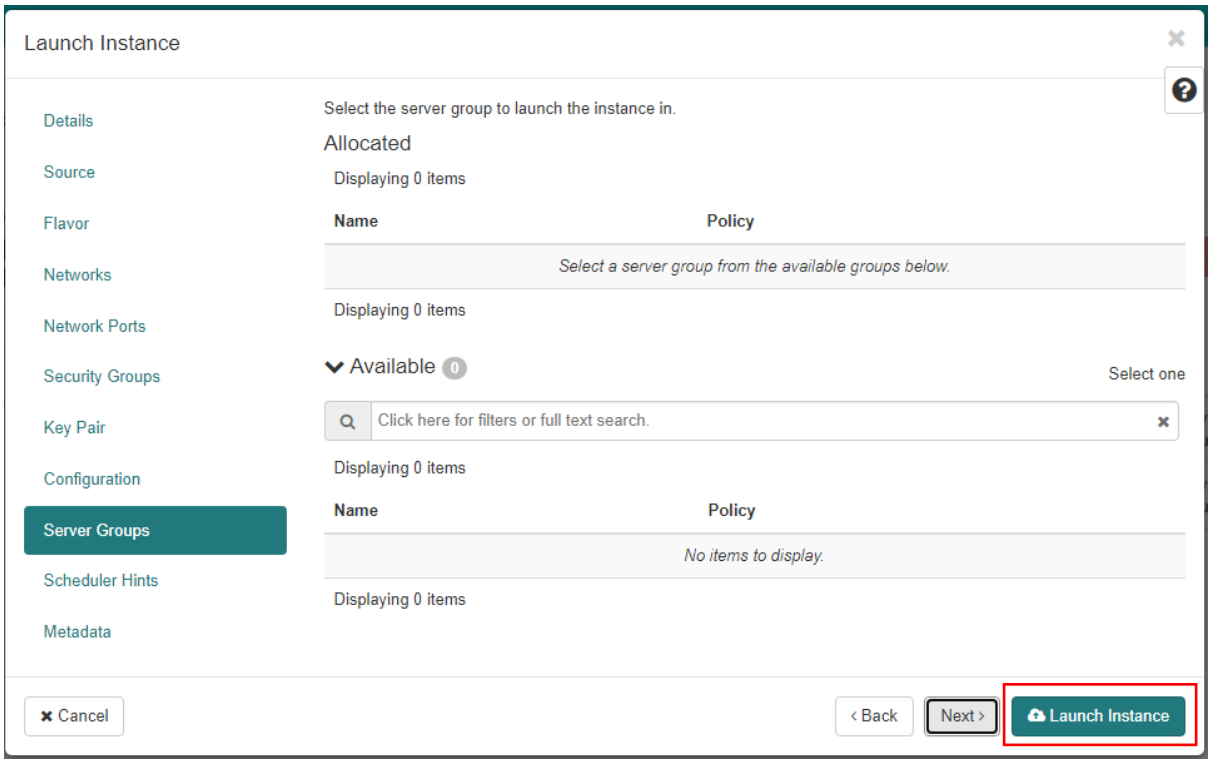
4. Select Network



5. Click "Security groups" and allow ports of your choice (e.g. allow_ping_rdp_ssh)



Next, launch instance



Now, you will see "Instances" menu with your newly created VM

Instance Name	Image Name	IP Address	Flavor	Key Pair	Status	Availability Zone	Task	Power State	Age	Actions
prod-window	Windows Server 2016 Standard	10.198.101.249	Medium	-	Active	nova	None	Running	4 minutes	Create Snapshot

prod-window

Overview | Interfaces | Log | Console | Action Log

Name	prod-window
ID	15c31c2f-6a36-476f-9225-4696599bea50
Description	Production server
Project ID	fd586919000a4d8a90b78a50a85c8b0a
Status	Active
Locked	False
Availability Zone	nova
Created	Feb. 12, 2021, 10:29 p.m.
Age	5 minutes

Specs

Flavor Name	Medium
Flavor ID	22fac9e1-edc1-4ffd-b3d3-ce7019265715
RAM	2GB
VCPUs	2 VCPU
Disk	50GB

IP Addresses

Project-1-network	10.198.101.249

Go to console tab and enter VM login credentials