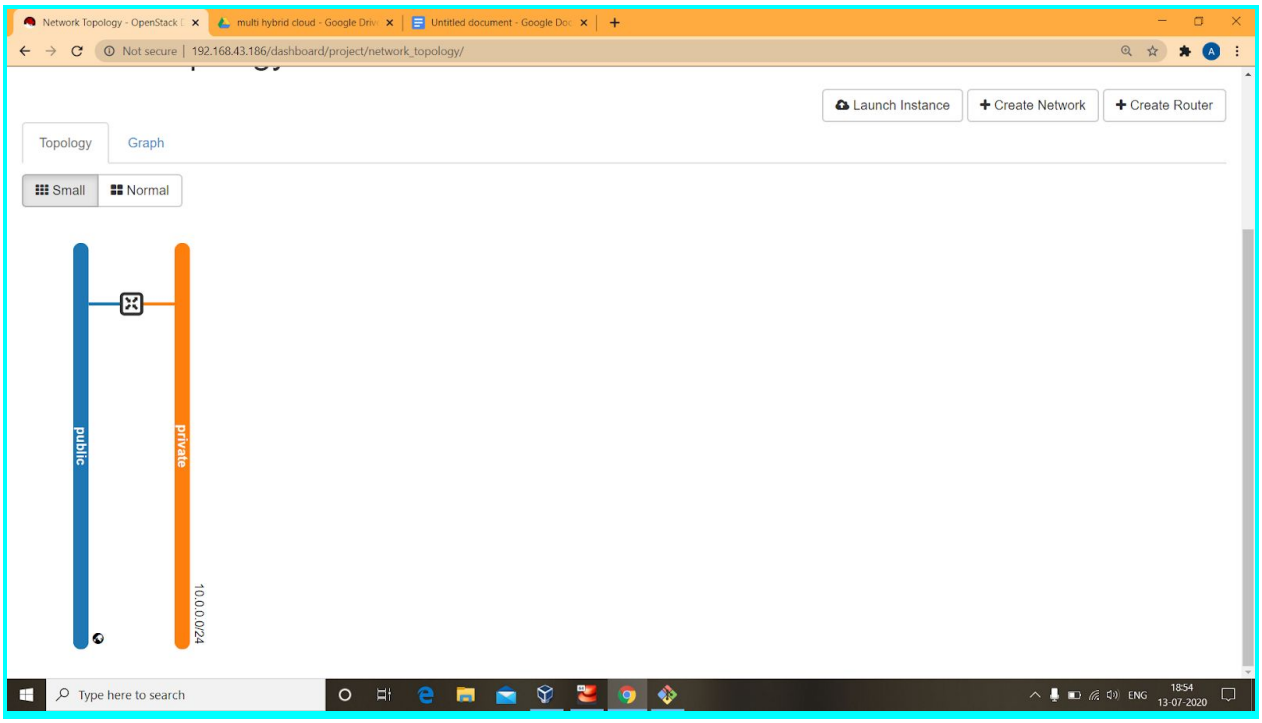
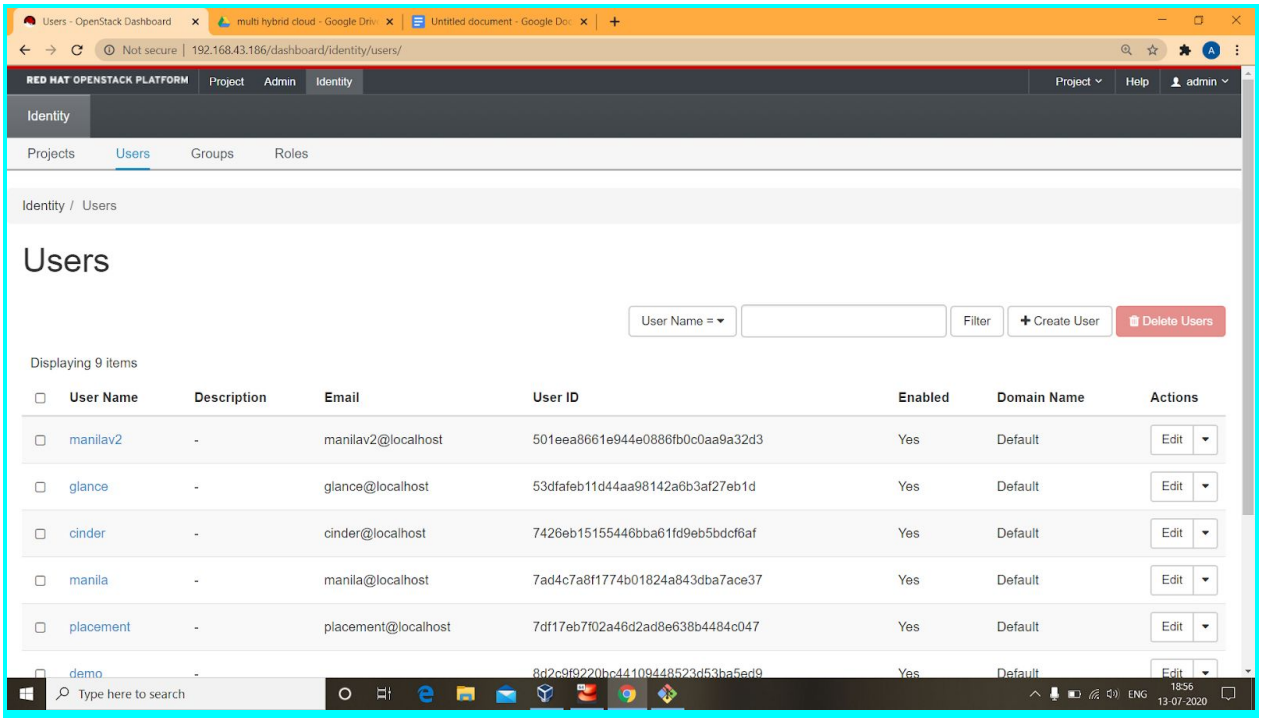
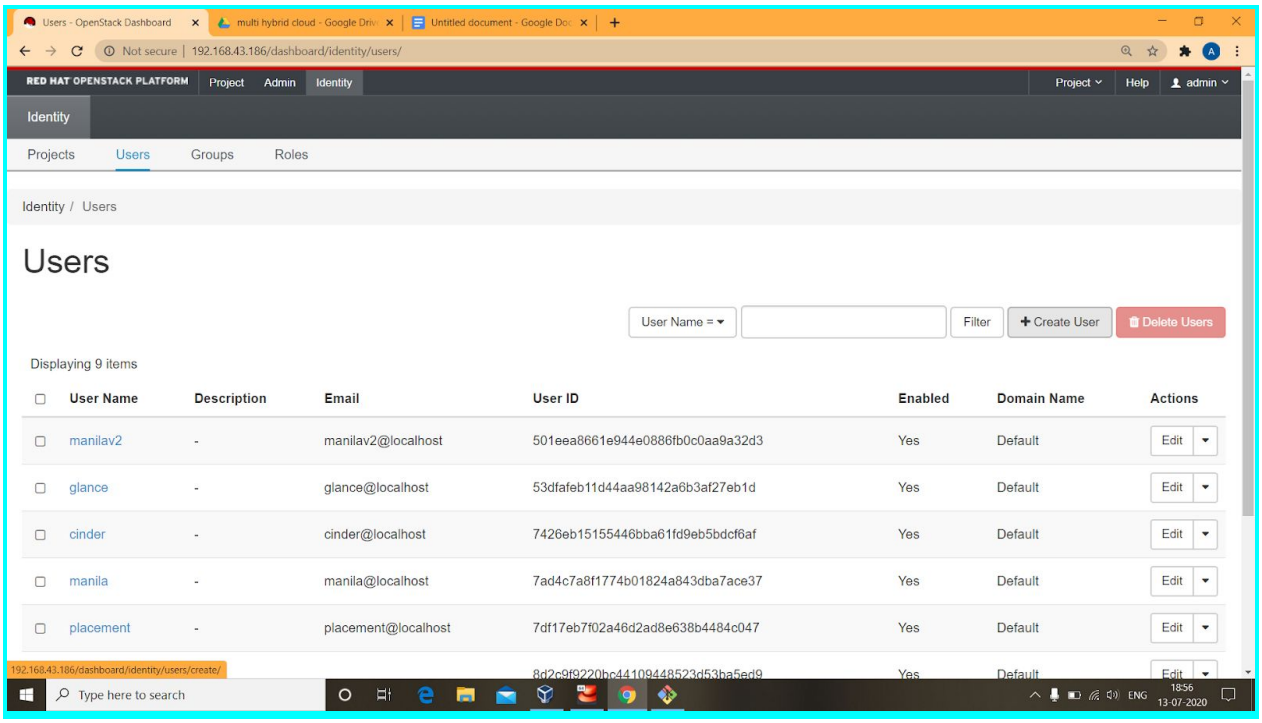
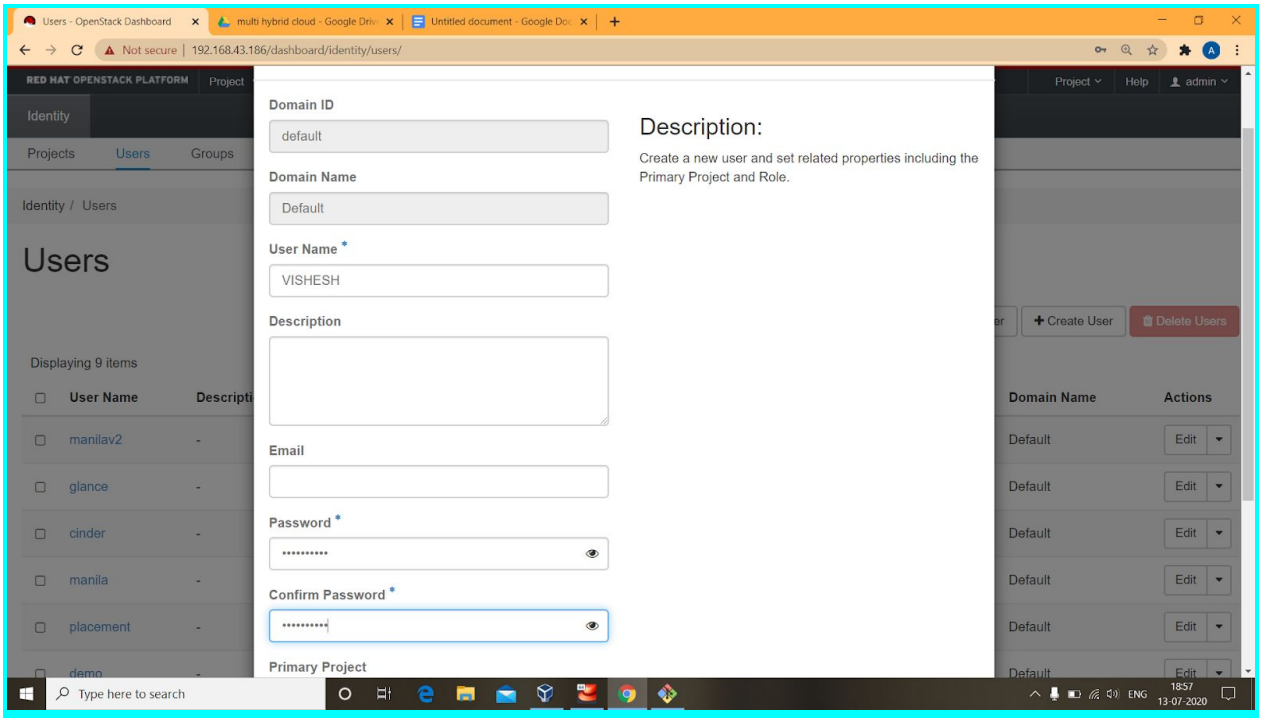
13th july:

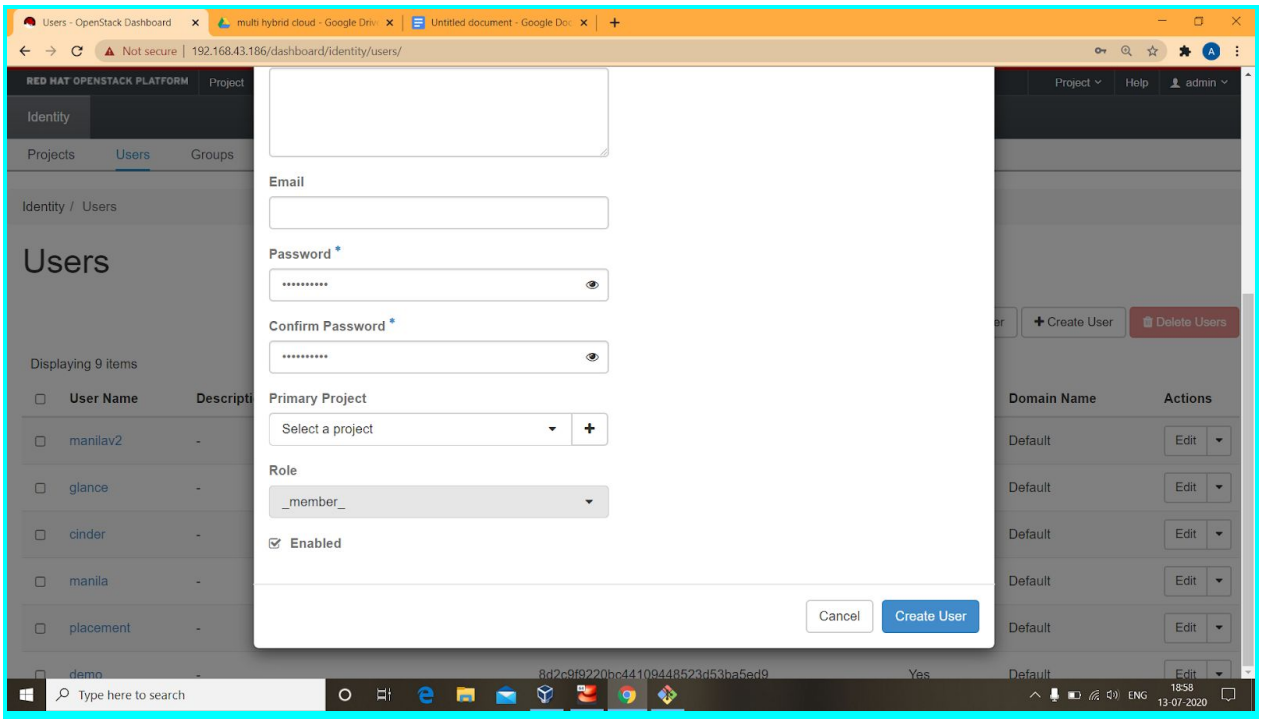

Network Topology - OpenStack
multi hybrid cloud - Google Driv
Untitled document - Google Doc
Not secure | 192.168.43.186/dashboard/project/network_topology/
Launch Instance
+ Create Network
+ Create Router
Topology
Graph
Small
Normal
public
private
10.0.0.0/24
Type here to search
ENG
18:54
13-07-2020

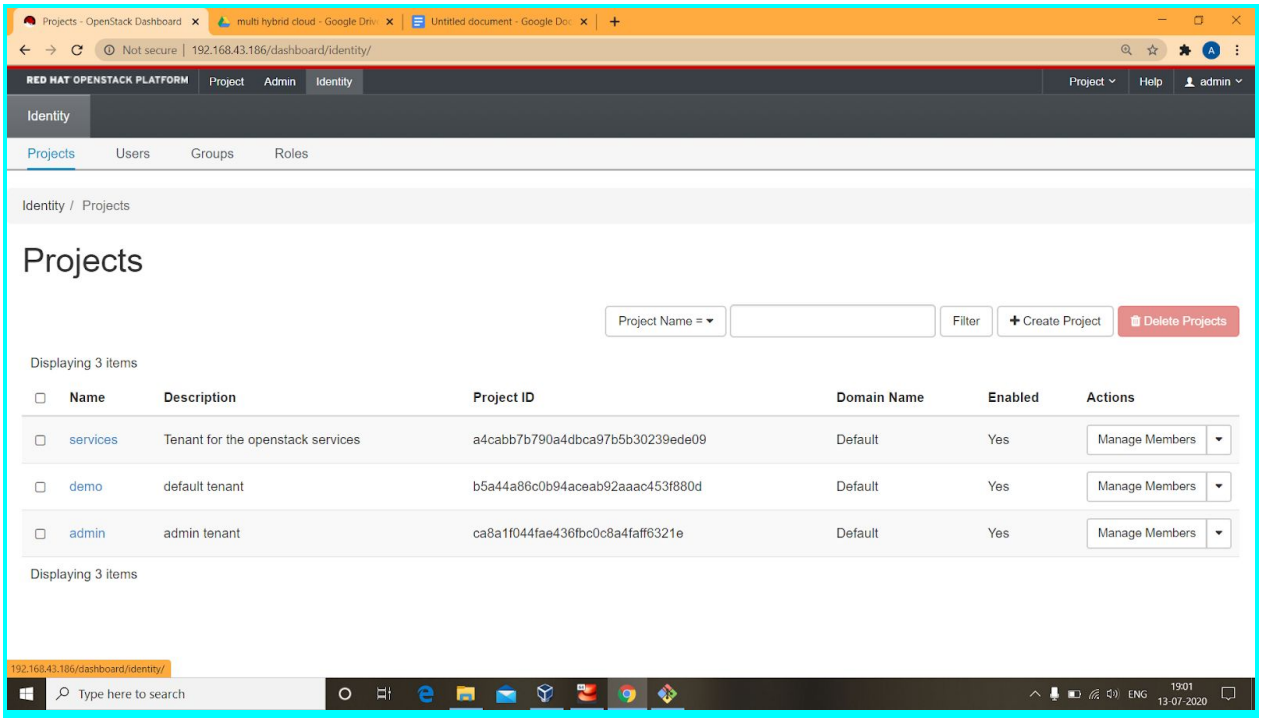

Users - OpenStack Dashboard
multi hybrid cloud - Google Driv
Untitled document - Google Doc
Not secure | 192.168.43.186/dashboard/identity/users/
RED HAT OPENSTACK PLATFORM
Project
Admin
Identity
Project
Help
admin
Identity
Projects
Users
Groups
Roles
Identity / Users
Users
User Name =
Filter
+ Create User
Delete Users
Displaying 9 items
User Name
Description
Email
User ID
Enabled
Domain Name
Actions
manilav2 - manilav2@localhost 501eea8661e944e0886fb0c0aa9a32d3 Yes Default Edit
glance - glance@localhost 53dfafeb11d44aa98142a6b3af27eb1d Yes Default Edit
cinder - cinder@localhost 7426eb15155446bba61fd9eb5bdcf6af Yes Default Edit
manila - manila@localhost 7ad4c7a8f1774b01824a843dba7ace37 Yes Default Edit
placement - placement@localhost 7df17eb7f02a46d2ad8e638b4484c047 Yes Default Edit
demo
Type here to search
ENG
18:56
13-07-2020

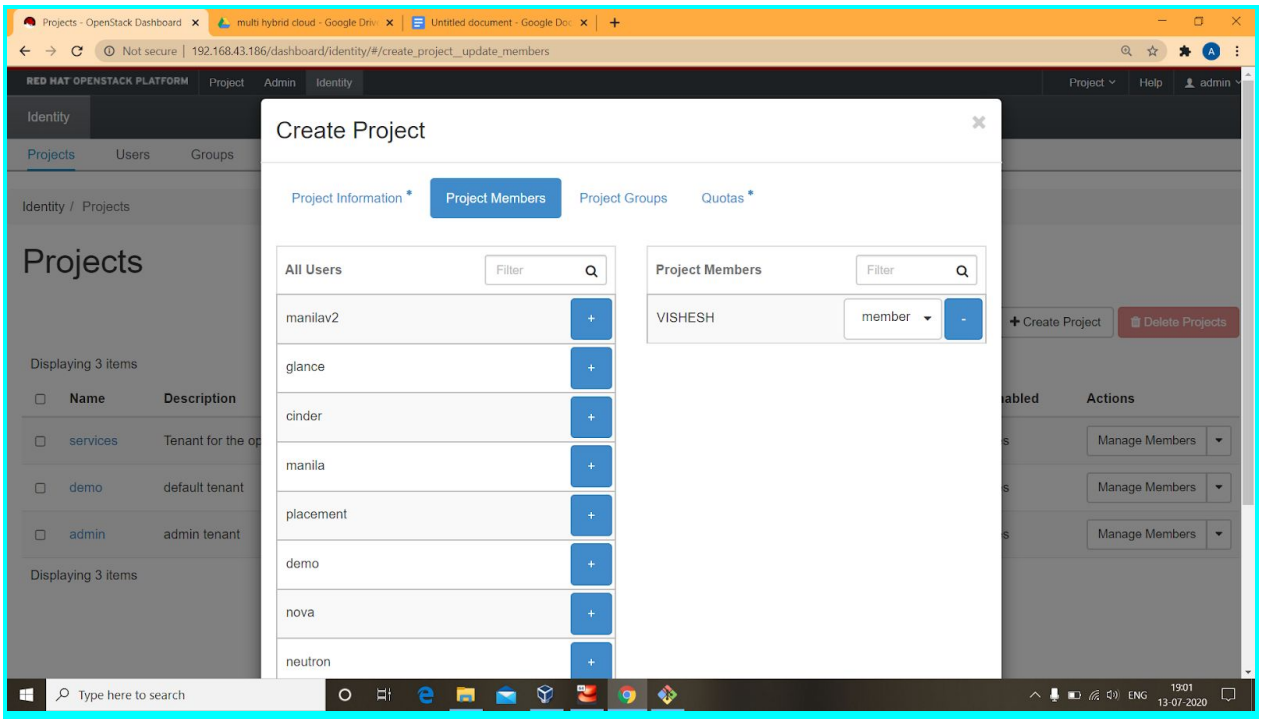


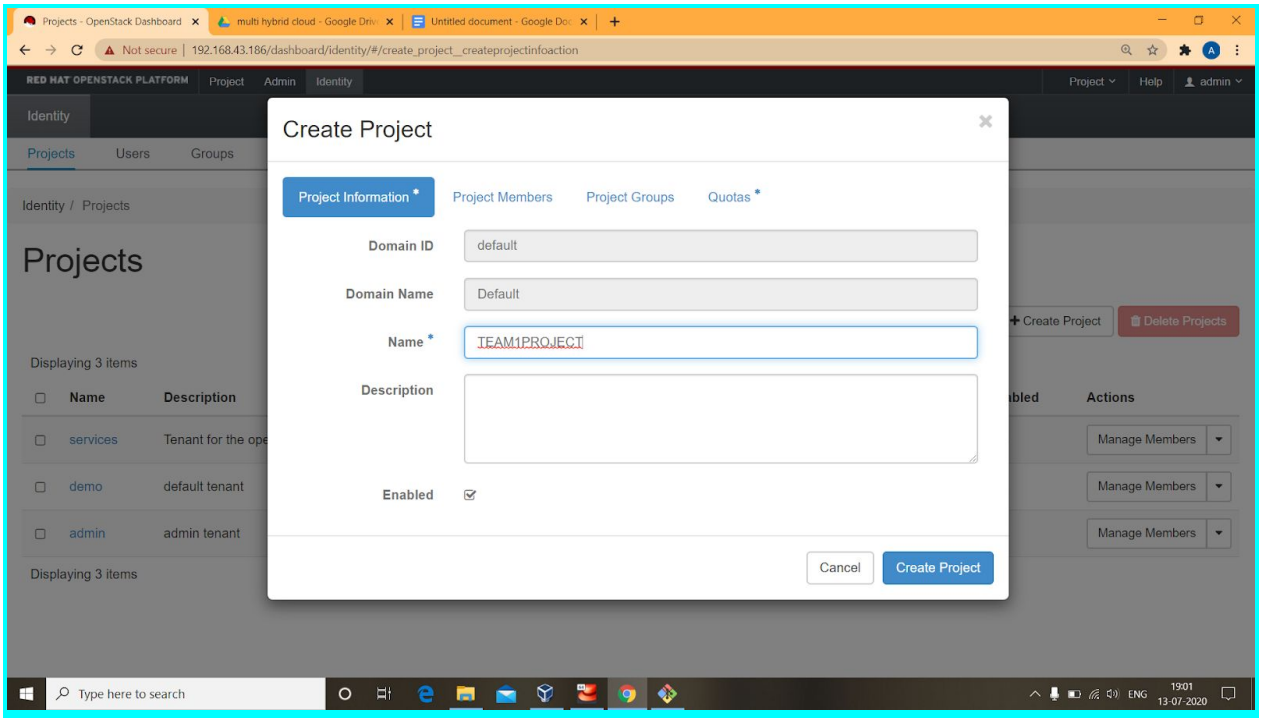


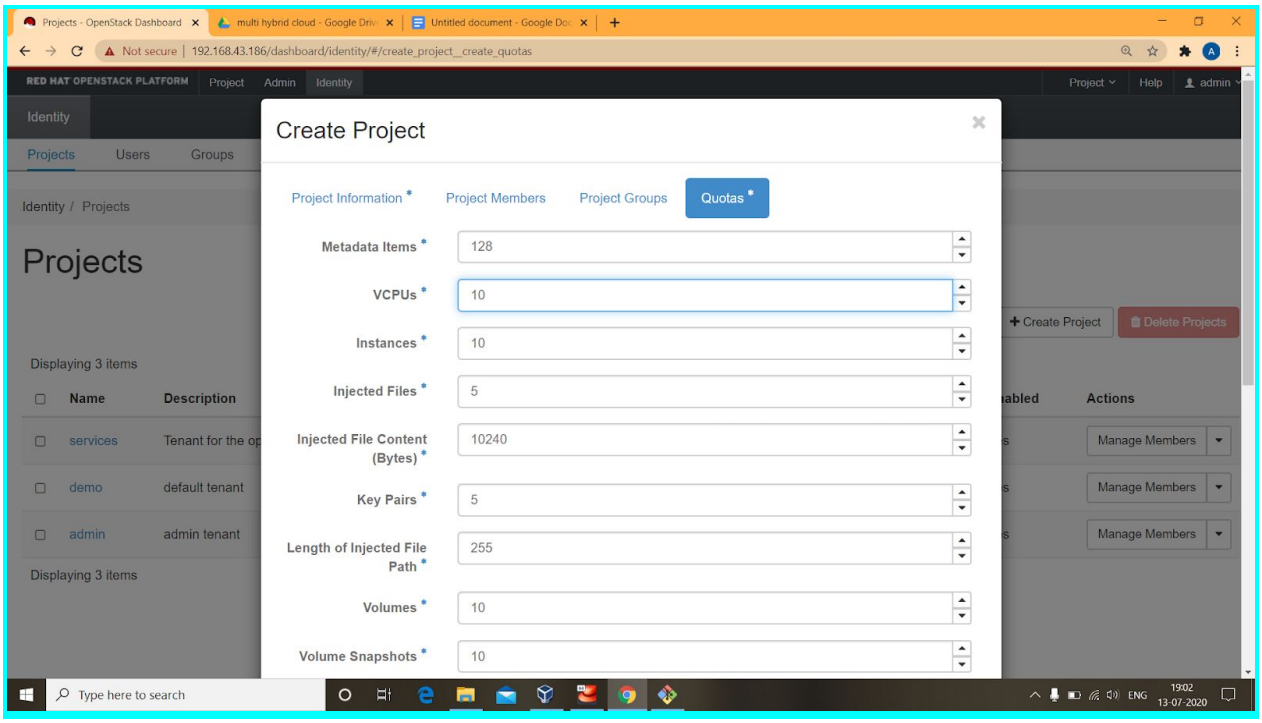
IF U WANT TO GIVE ALL POWER THN SELECT ADMIN ROLE AND PROJECT ARE SAME

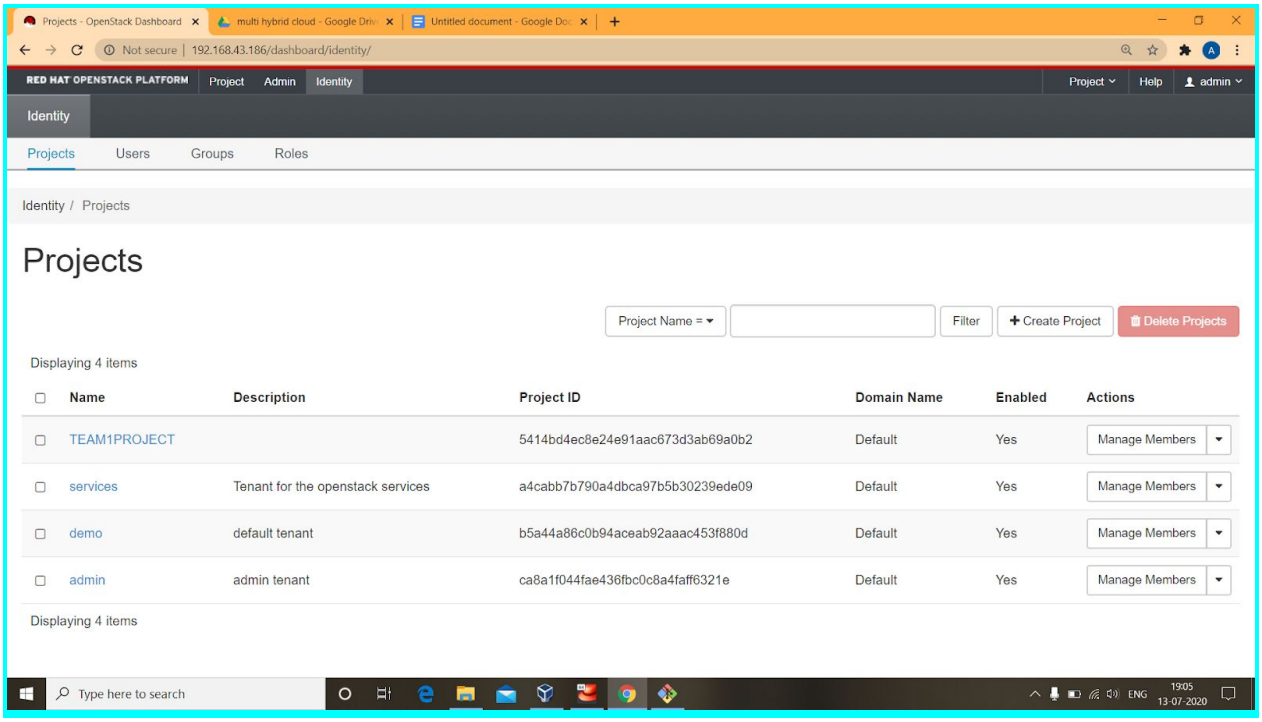

Users - OpenStack Dashboard
Not secure | 192.168.43.186/dashboard/identity/users/
RED HAT OPENSTACK PLATFORM
Project
Identity
Projects
Users
Groups
Identity / Users
Users
Email
Password *
Confirm Password *
Primary Project
Select a project
Role
member
Enabled
Cancel
Create User
Displaying 9 items
User Name
Domain Name
Actions
manilav2
glance
cinder
manila
placement
demo
Default
Edit
Create User
Delete Users
Type here to search
ENG
18:58
13-07-2020

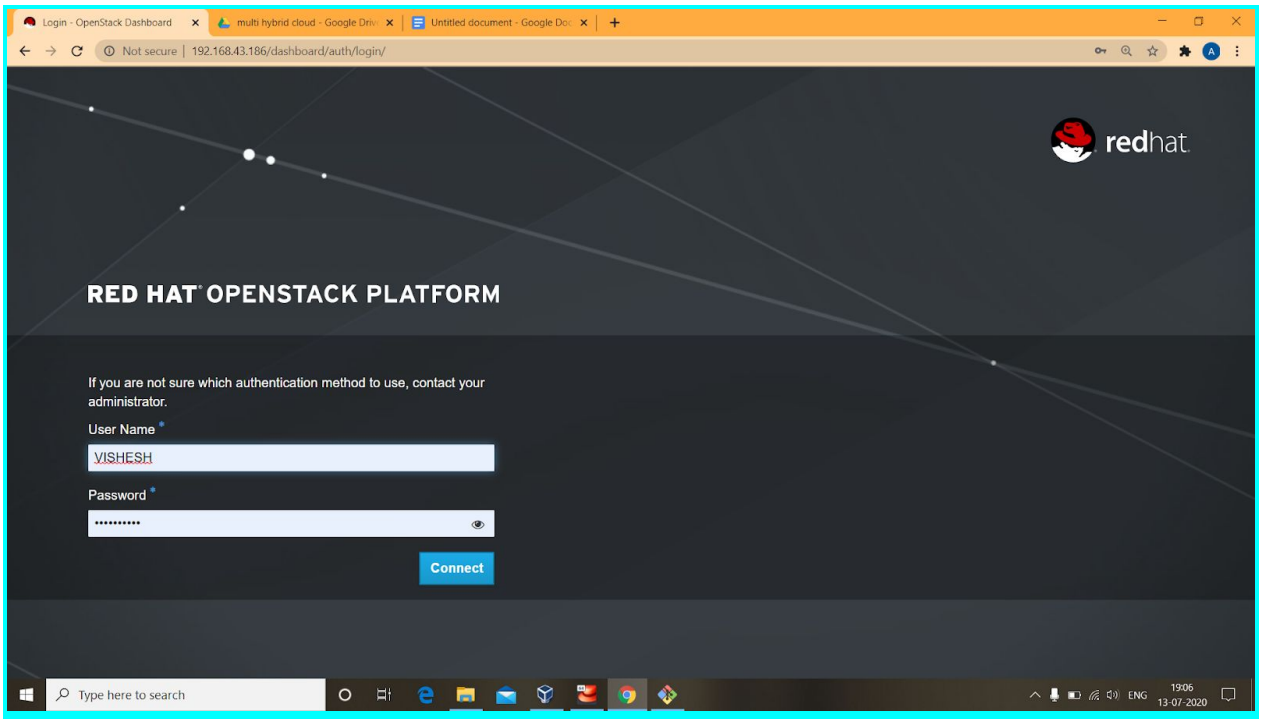

Projects - OpenStack Dashboard
Not secure | 192.168.43.186/dashboard/identity/
RED HAT OPENSTACK PLATFORM
Project
Admin
Identity
Help
admin
Identity
Projects
Users
Groups
Roles
Identity / Projects
Projects
Project Name =
Filter
Create Project
Delete Projects
Displaying 3 items
Name
Description
Project ID
Domain Name
Enabled
Actions
services
Tenant for the openstack services
a4cabb7b790a4dbca97b5b30239ede09
Default
Yes
Manage Members
demo
default tenant
b5a44a86c0b94aceab92aaac453f880d
admin
admin tenant
ca8a1f044fae436fbc0c8a4faff6321e
Displaying 3 items
192.168.43.186/dashboard/identity/
Type here to search
ENG
19:01
13-07-2020

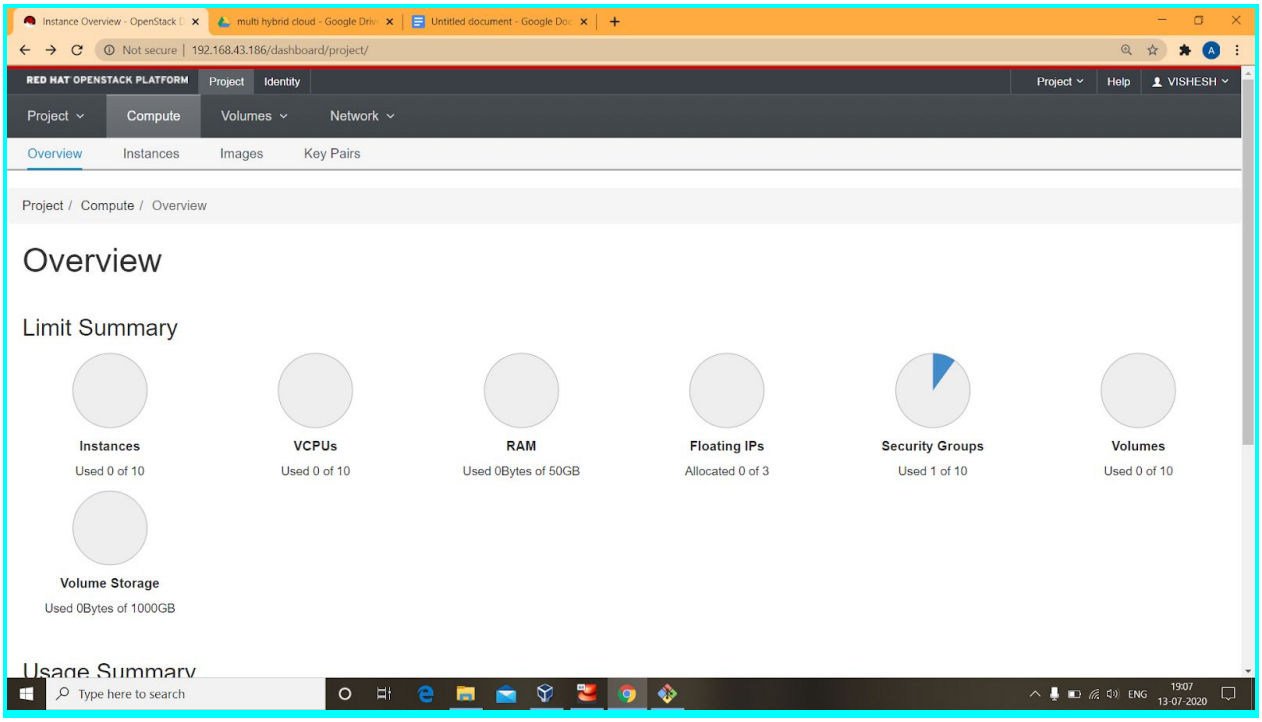

Create Project
Project Information *
Project Members
Project Groups
Quotas *
All Users
Filter
manilav2
glance
cinder
manila
placement
demo
nova
neutron
Project Members
VISHESH
member
Identity / Projects
Projects
Displaying 3 items
Name
Description
services
demo
admin
Manage Members
Create Project
Delete Projects

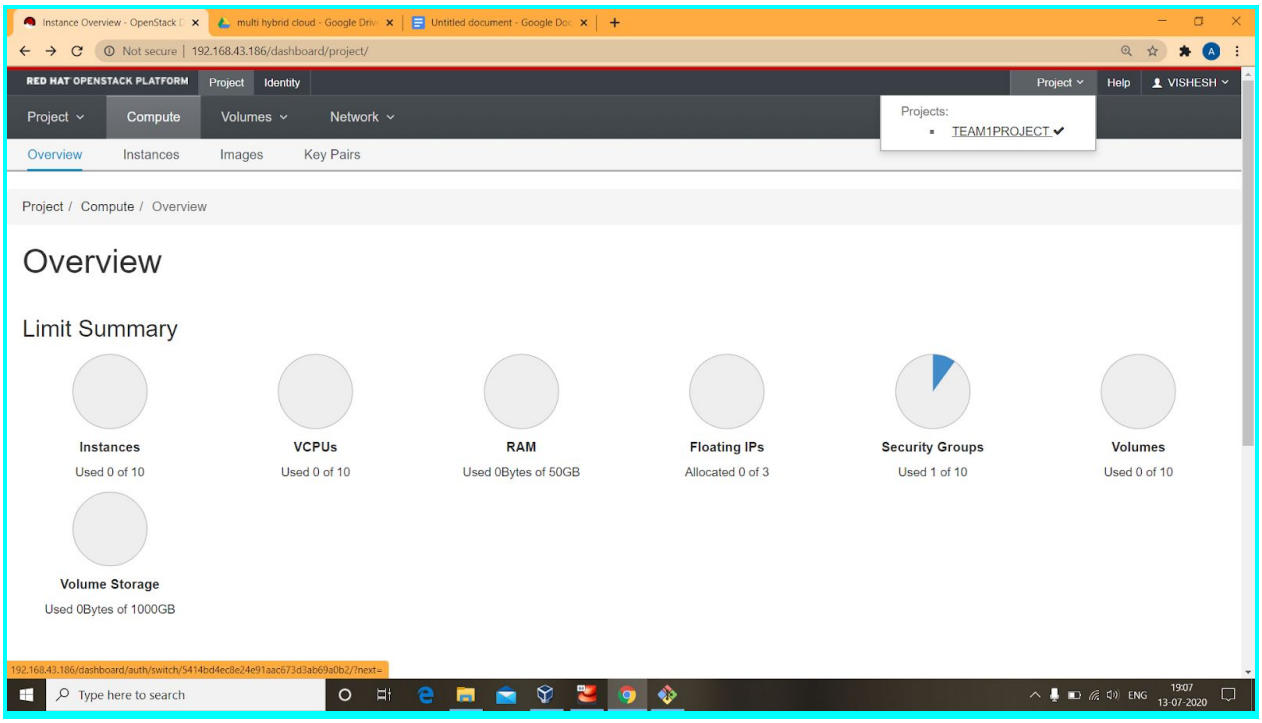

Create Project
Project Information *
Project Members
Project Groups
Quotas *
Domain ID
default
Domain Name
Default
Name *
TEAM1PROJECT
Description
Enabled
Cancel
Create Project
Identity / Projects
Projects
Displaying 3 items
Name
Description
services
demo
admin
Manage Members
Create Project
Delete Projects

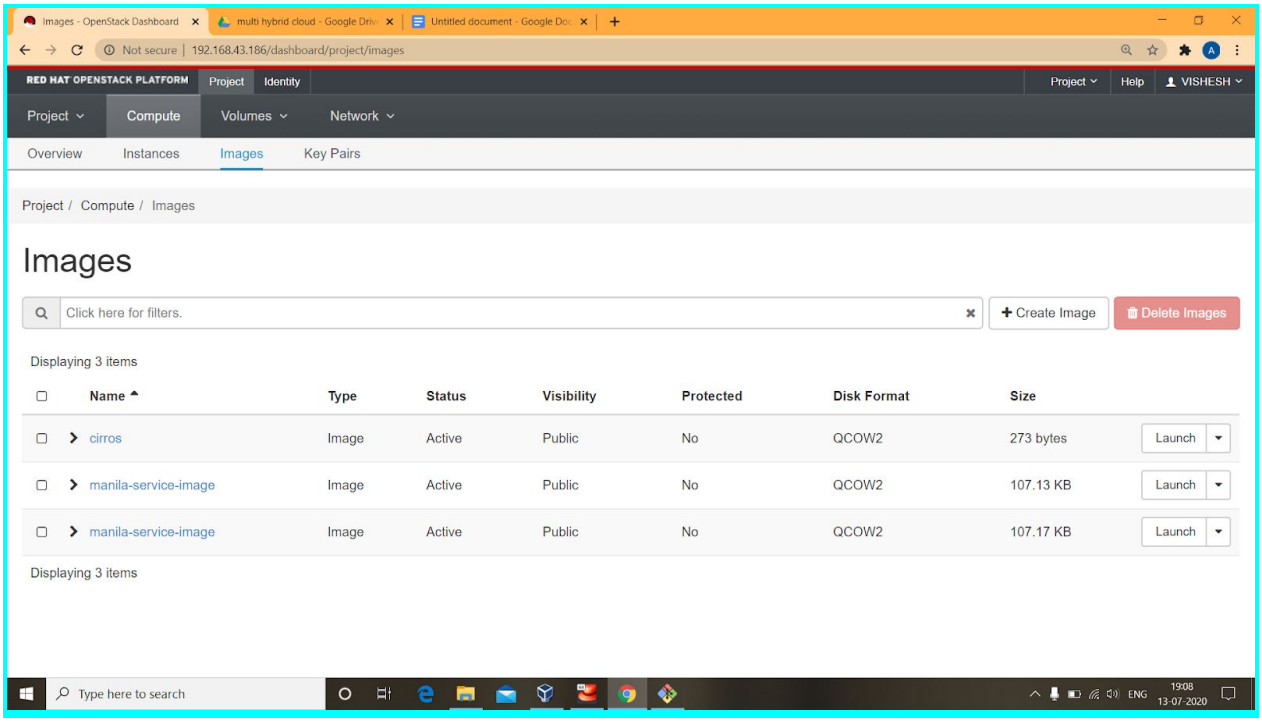

Projects - OpenStack Dashboard
multi hybrid cloud - Google Drive
Untitled document - Google Doc
Not secure | 192.168.43.186/dashboard/identity/#/create_project__create_quotas
RED HAT OPENSTACK PLATFORM
Project
Admin
Identity
Help
admin
Identity
Projects
Users
Groups
Identity / Projects
Projects
Displaying 3 items
Name
Description
Actions
services
Tenant for the op
demo
default tenant
admin
admin tenant
Manage Members
Create Project
Delete Projects
Create Project
Project Information *
Project Members
Project Groups
Quotas *
Metadata Items *
128
VCPUs *
10
Instances *
10
Injected Files *
5
Injected File Content (Bytes) *
10240
Key Pairs *
5
Length of Injected File Path *
255
Volumes *
10
Volume Snapshots *
10
Type here to search
ENG
19:02
13-07-2020

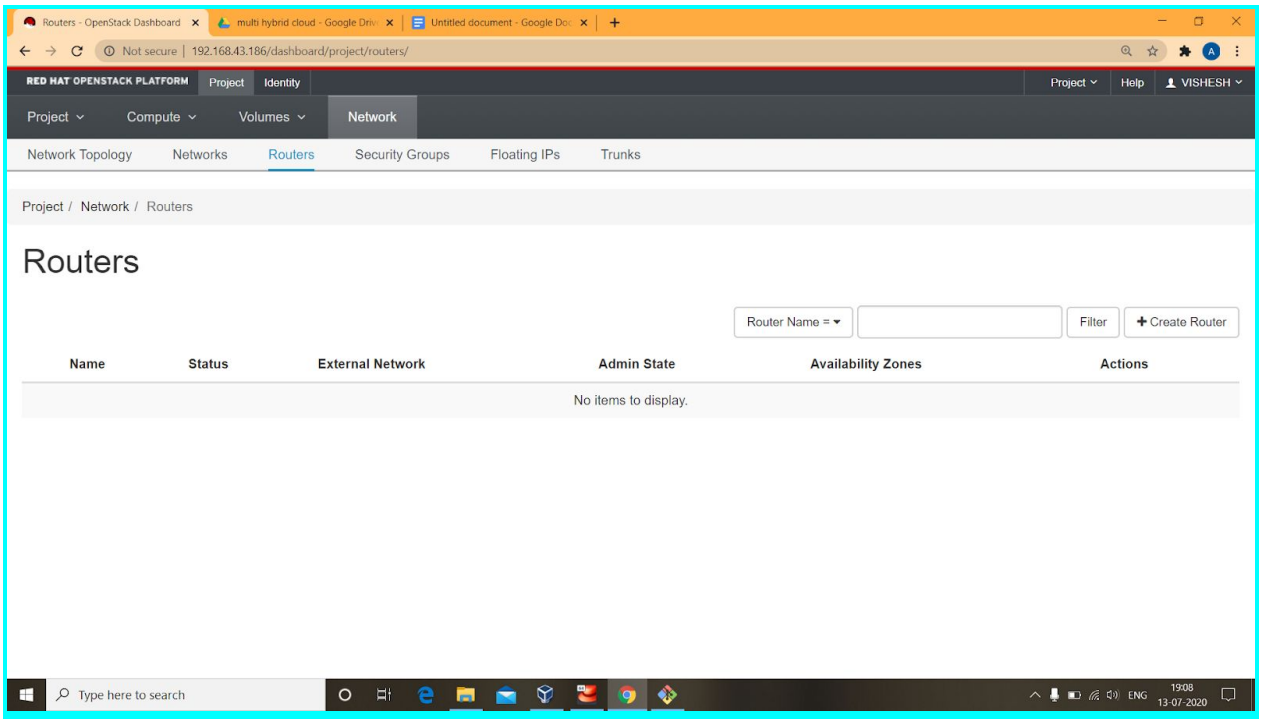

Projects - OpenStack Dashboard
multi hybrid cloud - Google Drive
Untitled document - Google Doc
Not secure | 192.168.43.186/dashboard/identity/
RED HAT OPENSTACK PLATFORM
Project
Admin
Identity
Help
admin
Identity
Projects
Users
Groups
Roles
Identity / Projects
Projects
Project Name =
Filter
Create Project
Delete Projects
Displaying 4 items
Name
Description
Project ID
Domain Name
Enabled
Actions
TEAM1PROJECT
5414bd4ec8e24e91aac673d3ab69a0b2
Default
Yes
Manage Members
services
Tenant for the openstack services
a4cabb7b790a4dbca97b5b30239ede09
Default
Yes
Manage Members
demo
default tenant
b5a44a86c0b94aceab92aaac453f880d
Default
Yes
Manage Members
admin
admin tenant
ca8a1f044fae436fbc0c8a4faff6321e
Default
Yes
Manage Members
Displaying 4 items
Type here to search
ENG
19:05
13-07-2020

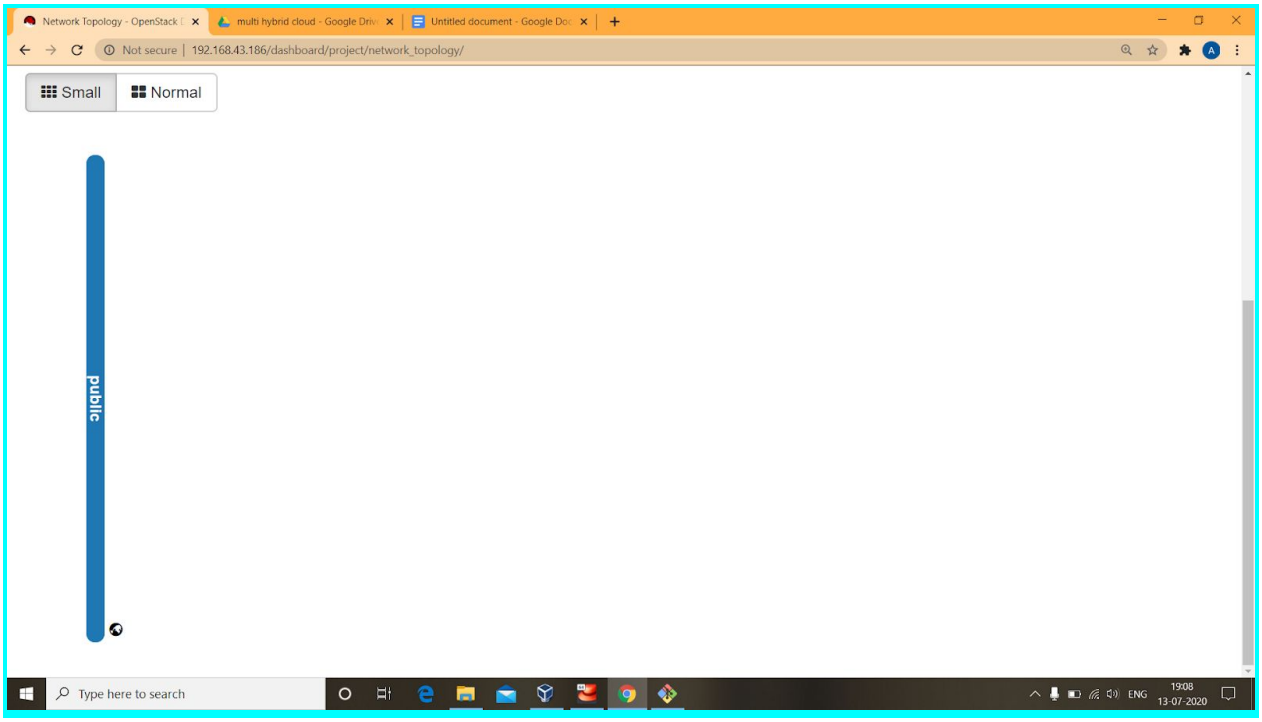

Login - OpenStack Dashboard
Not secure | 192.168.43.186/dashboard/auth/login/
redhat
RED HAT OPENSTACK PLATFORM
If you are not sure which authentication method to use, contact your administrator.
User Name *
VISHESH
Password *
Connect
Type here to search
ENG
19:06
13-07-2020

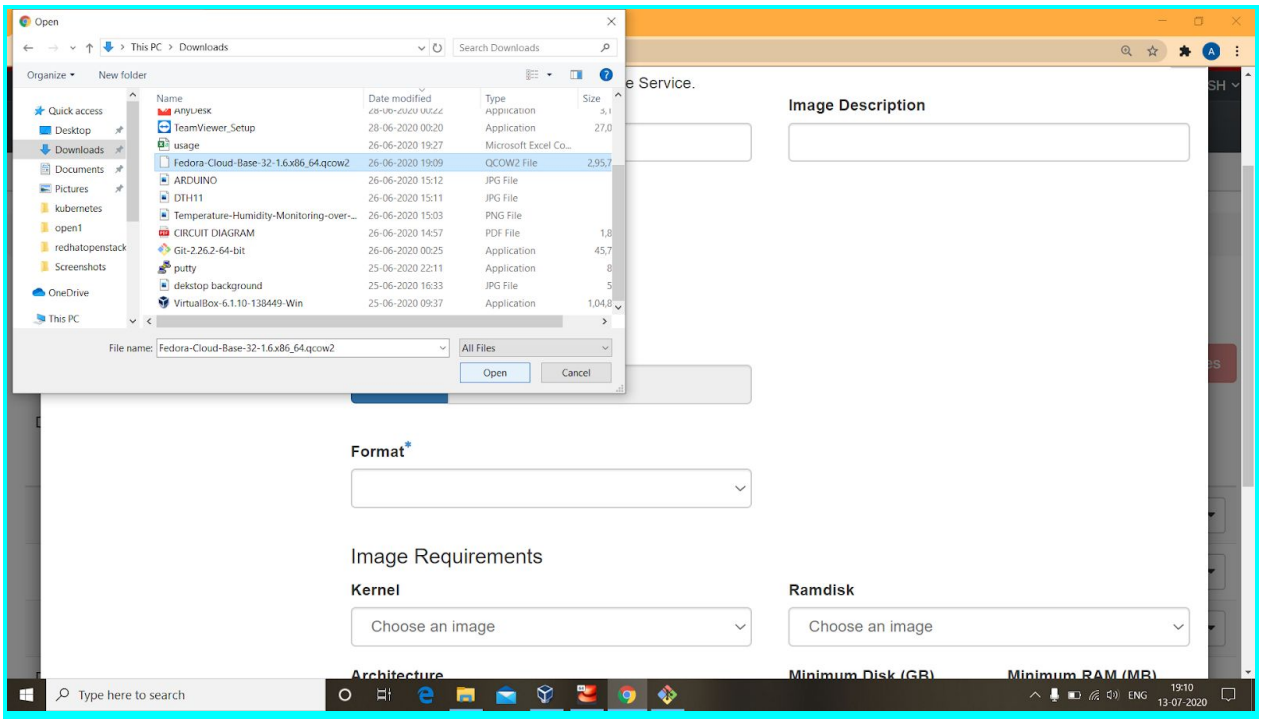

Instance Overview - OpenStack
Not secure | 192.168.43.186/dashboard/project/
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Project
Compute
Volumes
Network
Overview
Instances
Images
Key Pairs
Project / Compute / Overview
Overview
Limit Summary
Instances
Used 0 of 10
VCPUs
Used 0 of 10
RAM
Used 0Bytes of 50GB
Floating IPs
Allocated 0 of 3
Security Groups
Used 1 of 10
Volumes
Used 0 of 10
Volume Storage
Used 0Bytes of 1000GB
Usage Summary
Type here to search
ENG
19:07
13-07-2020

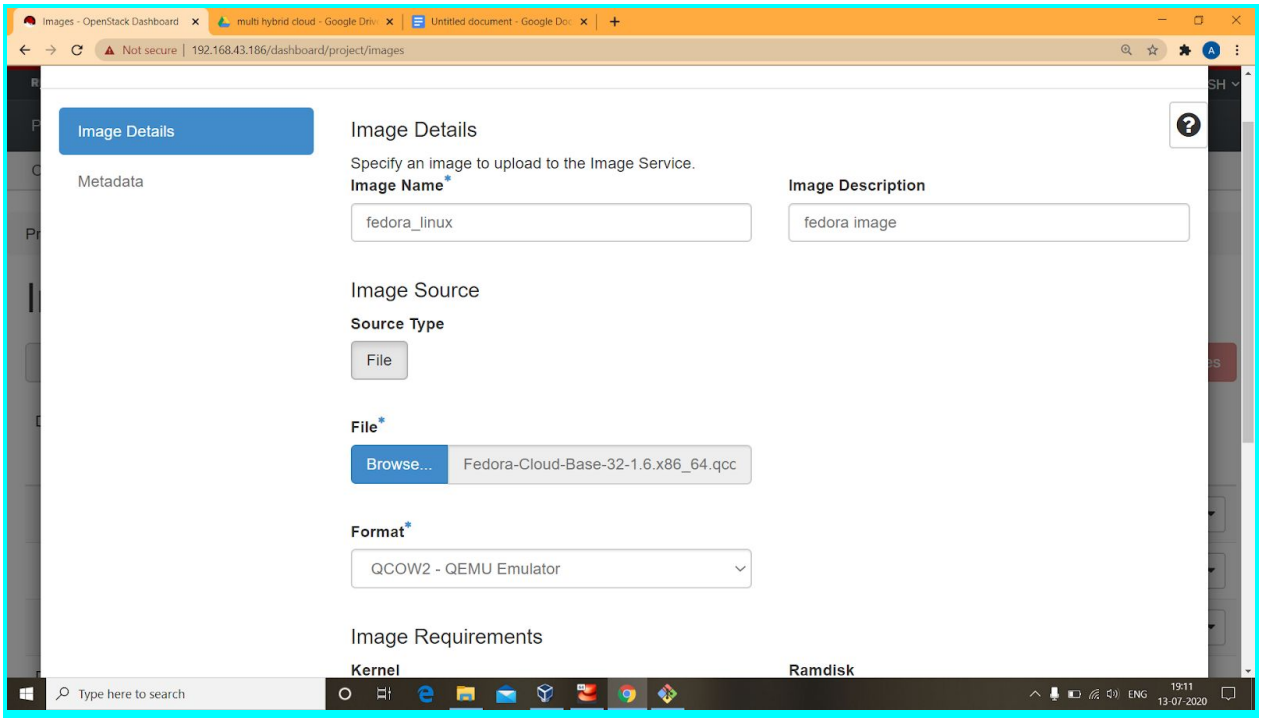

Instance Overview - OpenStack
multi hybrid cloud - Google Driv
Untitled document - Google Doc
Not secure | 192.168.43.186/dashboard/project/
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Project
Compute
Volumes
Network
Projects:
TEAM1PROJECT
Overview
Instances
Images
Key Pairs
Project / Compute / Overview
Overview
Limit Summary
Instances
Used 0 of 10
VCPUs
Used 0 of 10
RAM
Used 0Bytes of 50GB
Floating IPs
Allocated 0 of 3
Security Groups
Used 1 of 10
Volumes
Used 0 of 10
Volume Storage
Used 0Bytes of 1000GB
192.168.43.186/dashboard/auth/switch/5414bd4ec8e24e91aac673d3ab69a0b2/?next=
Type here to search
ENG
19:07
13-07-2020

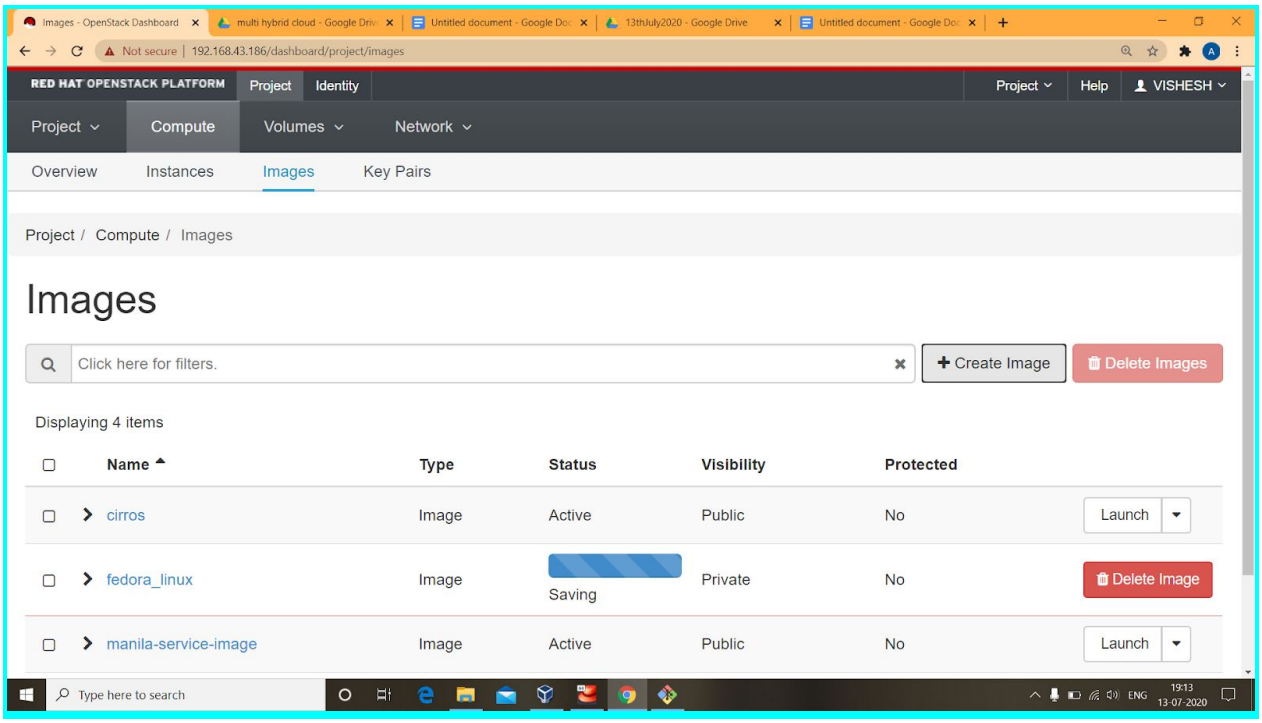

Images - OpenStack Dashboard
multi hybrid cloud - Google Driv
Untitled document - Google Doc
Not secure | 192.168.43.186/dashboard/project/images
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Project
Compute
Volumes
Network
Overview
Instances
Images
Key Pairs
Project / Compute / Images
Images
Click here for filters.
+ Create Image
Delete Images
Displaying 3 items
Name
Type
Status
Visibility
Protected
Disk Format
Size
cirros
Image
Active
Public
No
QCOW2
273 bytes
Launch
manila-service-image
Image
Active
Public
No
QCOW2
107.13 KB
Launch
manila-service-image
Image
Active
Public
No
QCOW2
107.17 KB
Launch
Displaying 3 items
Type here to search
ENG
19:08
13-07-2020


Routers - OpenStack Dashboard
multi hybrid cloud - Google Driv
Untitled document - Google Doc
Not secure | 192.168.43.186/dashboard/project/routers/
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Project
Compute
Volumes
Network
Network Topology
Networks
Routers
Security Groups
Floating IPs
Trunks
Project / Network / Routers
Routers
Router Name =
Filter
+ Create Router
Name
Status
External Network
Admin State
Availability Zones
Actions
No items to display.
Type here to search
ENG
19:08
13-07-2020


Network Topology - OpenStack
multi hybrid cloud - Google Driv
Untitled document - Google Doc
Not secure | 192.168.43.186/dashboard/project/network_topology/
Small
Normal
public
Type here to search
ENG
19:08
13-07-2020

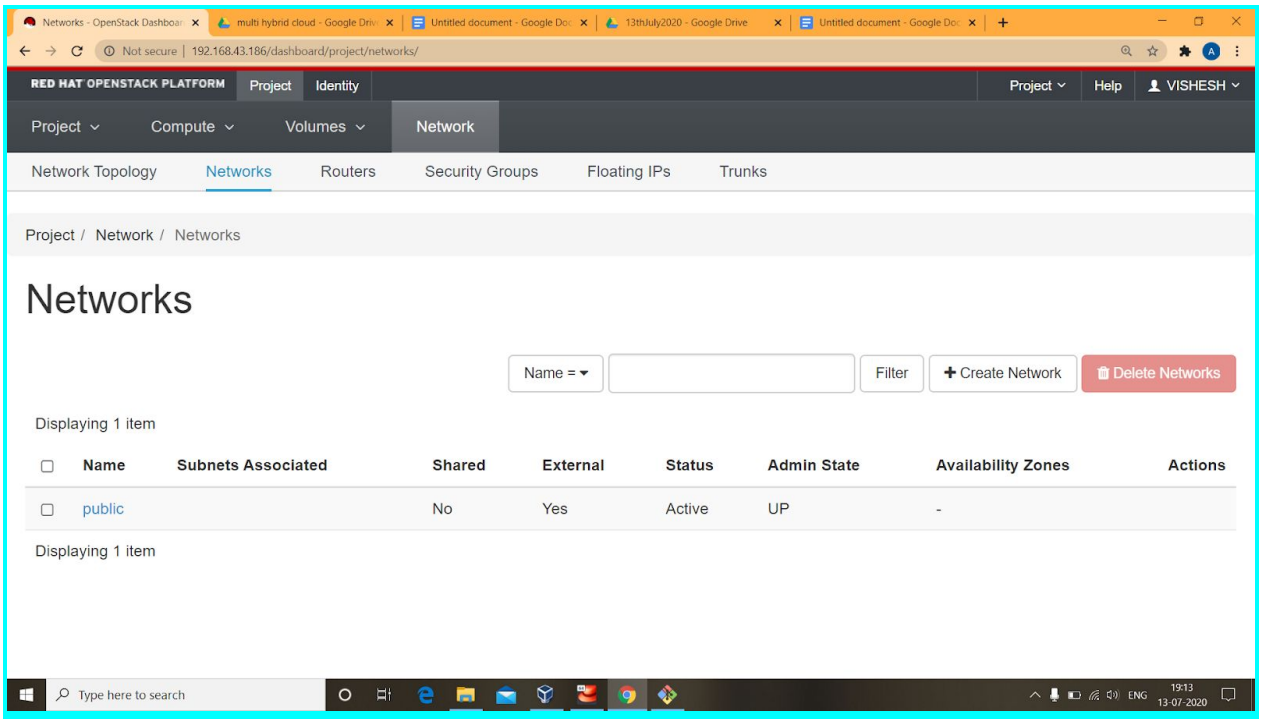

Open
This PC > Downloads
Search Downloads
Organize
New folder
Quick access
Desktop
Downloads
Documents
Pictures
kubernetes
open1
redhatopenstack
Screenshots
OneDrive
This PC
Name
Date modified
Type
Size
TeamViewer_Setup
usage
Fedora-Cloud-Base-32-1.6.x86_64.qcow2
ARDUINO
DTH11
Temperature-Humidity-Monitoring-over-...
CIRCUIT DIAGRAM
Git-2.26.2-64-bit
putty
dekstop background
VirtualBox-6.1.10-138449-Win
File name: Fedora-Cloud-Base-32-1.6.x86_64.qcow2
All Files
Open
Cancel
Service.
Image Description
Format*
Image Requirements
Kernel
Choose an image
Ramdisk
Choose an image
Architecture
Minimum Disk (GB)
Minimum RAM (MB)
Type here to search
ENG
19:10
13-07-2020

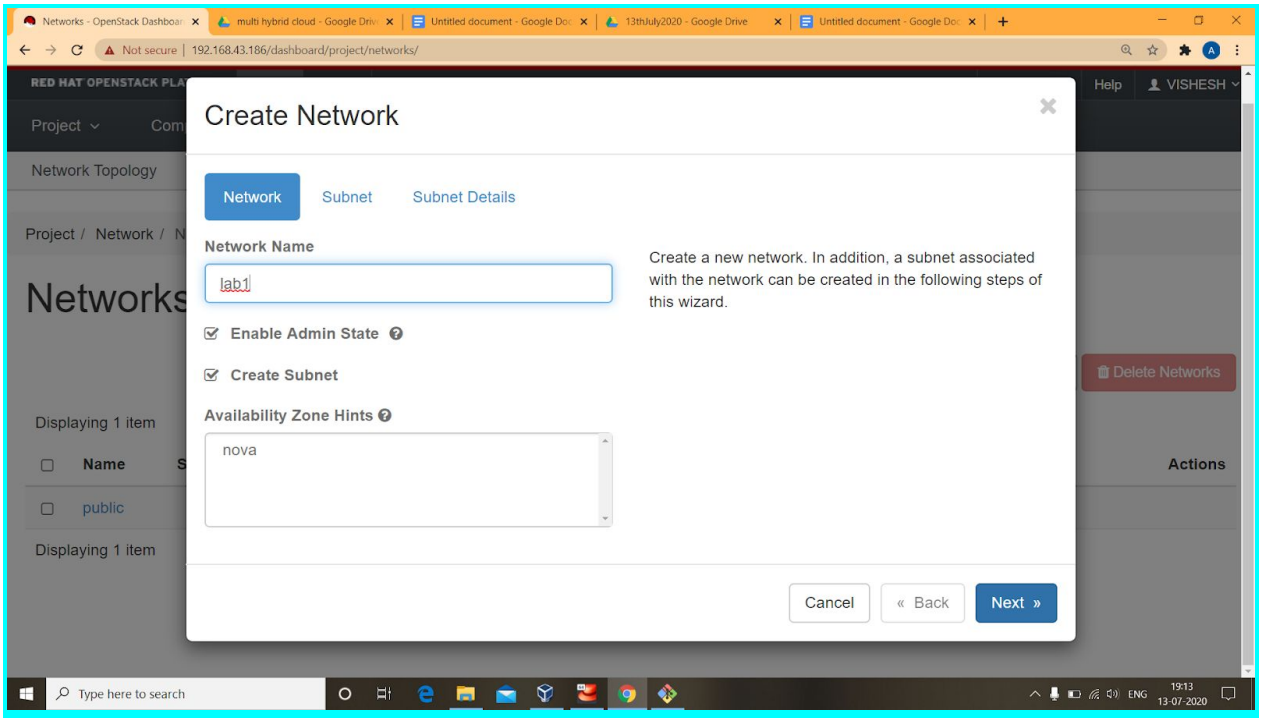

Images - OpenStack Dashboard
multi hybrid cloud - Google Driv
Untitled document - Google Doc
Not secure | 192.168.43.186/dashboard/project/images
Image Details
Metadata
Image Details
Specify an image to upload to the Image Service.
Image Name*
fedora_linux
Image Description
fedora image
Image Source
Source Type
File
File*
Browse...
Fedora-Cloud-Base-32-1.6.x86_64.qcc
Format*
QCOW2 - QEMU Emulator
Image Requirements
Kernel
Ramdisk
Type here to search
ENG
19:11
13-07-2020

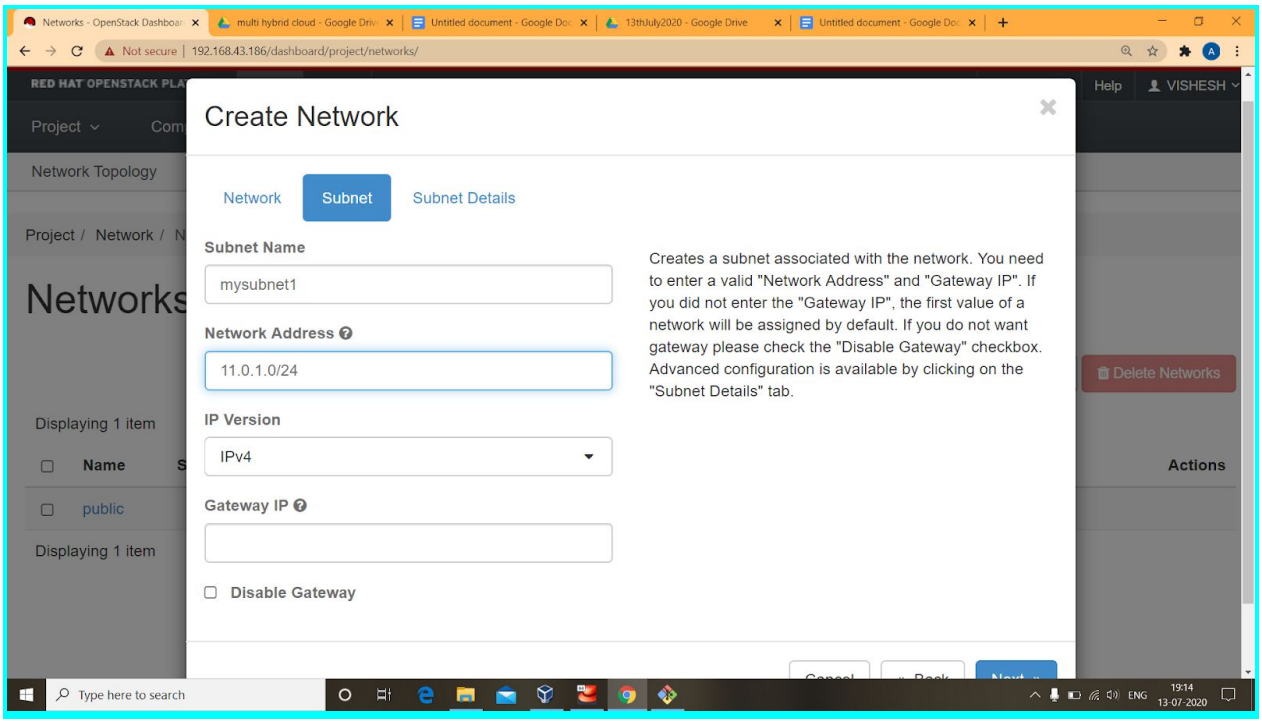


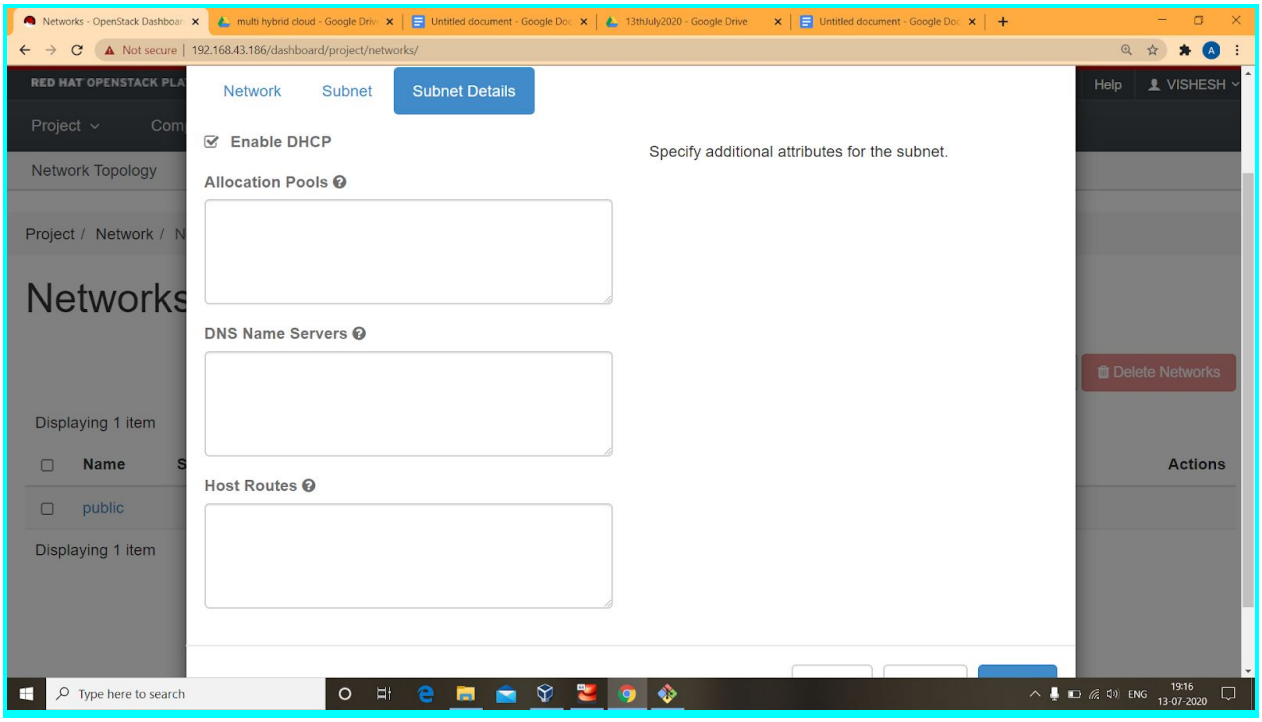

```
[root@openstack ~]# source keystonerc_demo
[root@openstack ~(keystone_demo)]# ip netns
qdhcp-d031d503-dcc4-4ddb-9225-b370fe42da3e (id: 1)
qrouter-993cc01b-f07b-494c-ad7b-f216c4f5eab8 (id: 0)
[root@openstack ~(keystone_demo)]# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.43.186  netmask 255.255.255.0  broadcast 192.168.43.255
        inet6 fe80::a00:27ff:fe04:dd49  prefixlen 64  scopeid 0x20<link>
        inet6 2401:4900:3058:9bfd:a00:27ff:fe04:dd49  prefixlen 64  scopeid
0x0<global>
        ether 08:00:27:04:dd:49  txqueuelen 1000  (Ethernet)
        RX packets 224971  bytes 315138670 (300.5 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 21489  bytes 7772552 (7.4 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 906431  bytes 444780745 (424.1 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
```

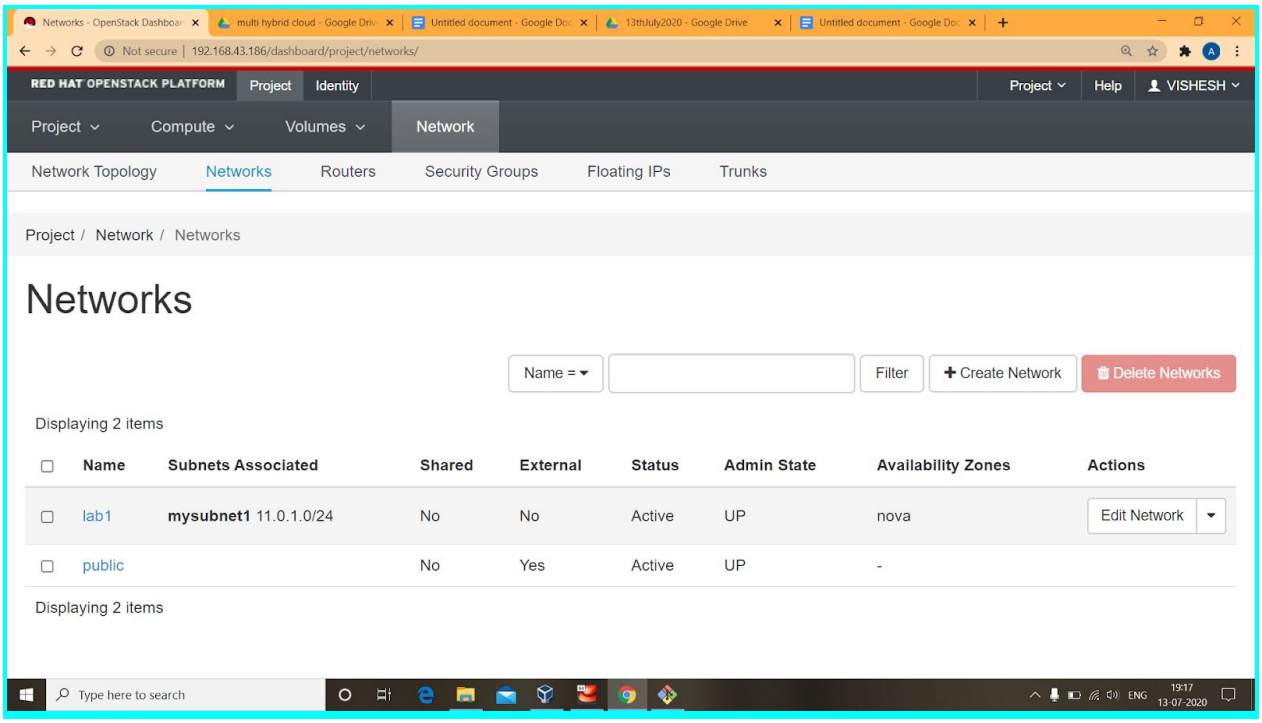
```
        TX packets 906431  bytes 444780745 (424.1 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
[root@openstack ~(keystone_demo)]# ifconfig enp0s3
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.43.186  netmask 255.255.255.0  broadcast 192.168.43.255
        inet6 fe80::a00:27ff:fe04:dd49  prefixlen 64  scopeid 0x20<link>
        inet6 2401:4900:3058:9bfd:a00:27ff:fe04:dd49  prefixlen 64  scopeid
0x0<global>
        ether 08:00:27:04:dd:49  txqueuelen 1000  (Ethernet)
        RX packets 225033  bytes 315143118 (300.5 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 21527  bytes 7776912 (7.4 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

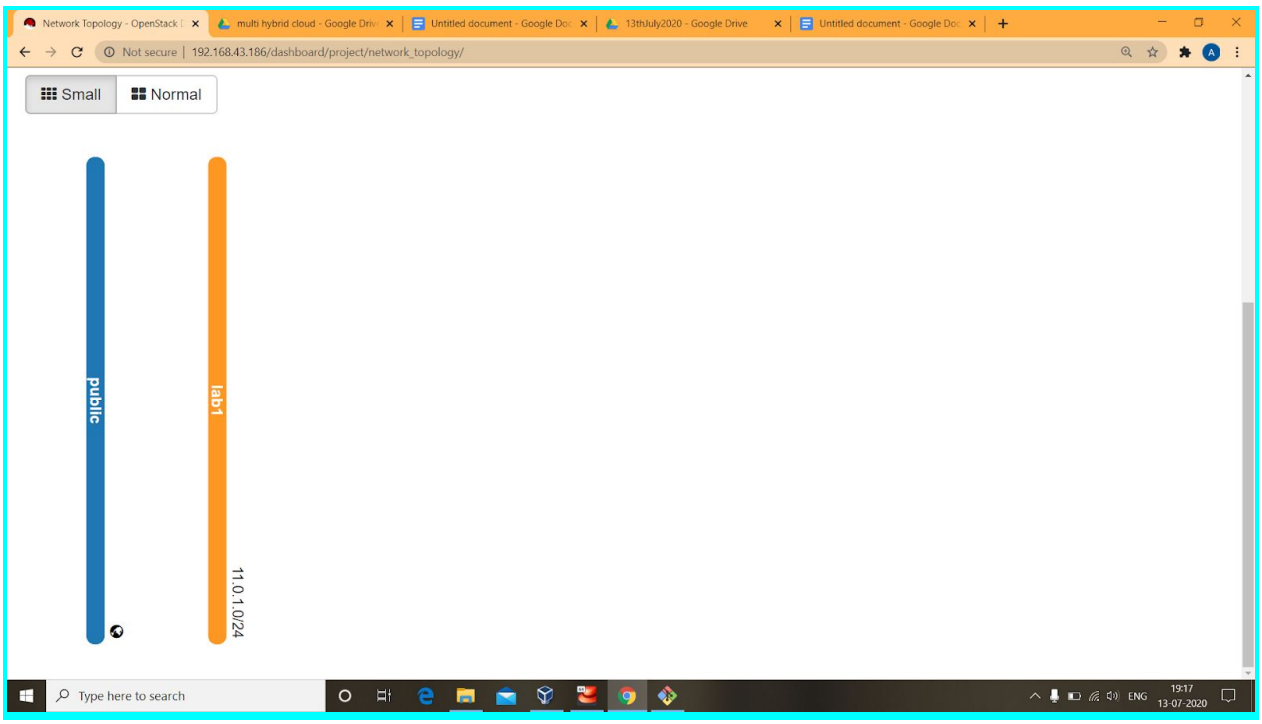

Networks - OpenStack Dashboard
Not secure | 192.168.43.186/dashboard/project/networks/
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Project
Compute
Volumes
Network
Network Topology
Networks
Routers
Security Groups
Floating IPs
Trunks
Project / Network / Networks
Networks
Name =
Filter
+ Create Network
Delete Networks
Displaying 1 item
Name
Subnets Associated
Shared
External
Status
Admin State
Availability Zones
Actions
public
No
Yes
Active
UP
-
Displaying 1 item
Type here to search
ENG
19:13
13-07-2020

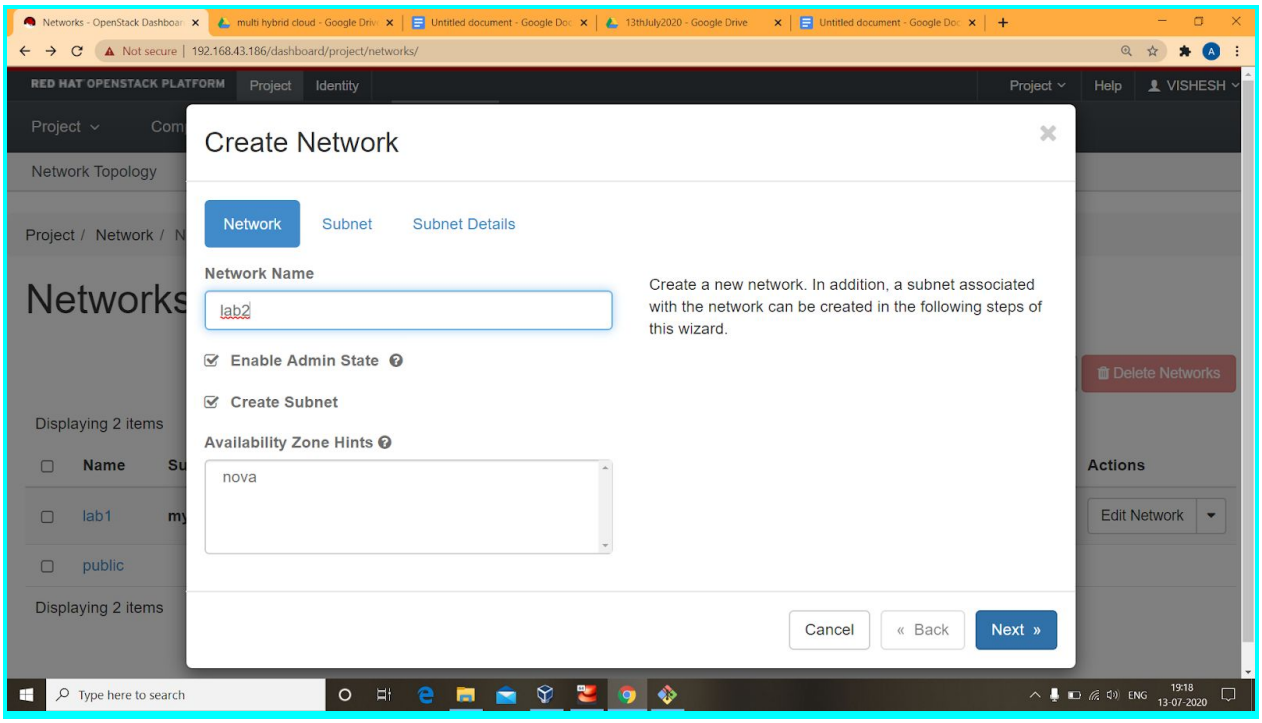

Create Network
Network
Subnet
Subnet Details
Network Name
lab1
Enable Admin State
Create Subnet
Availability Zone Hints
nova
Create a new network. In addition, a subnet associated with the network can be created in the following steps of this wizard.
Cancel
« Back
Next »
Network Topology
Project / Network /
Networks
Delete Networks
Displaying 1 item
Name
Actions
public
Displaying 1 item
Type here to search
ENG
19:13
13-07-2020

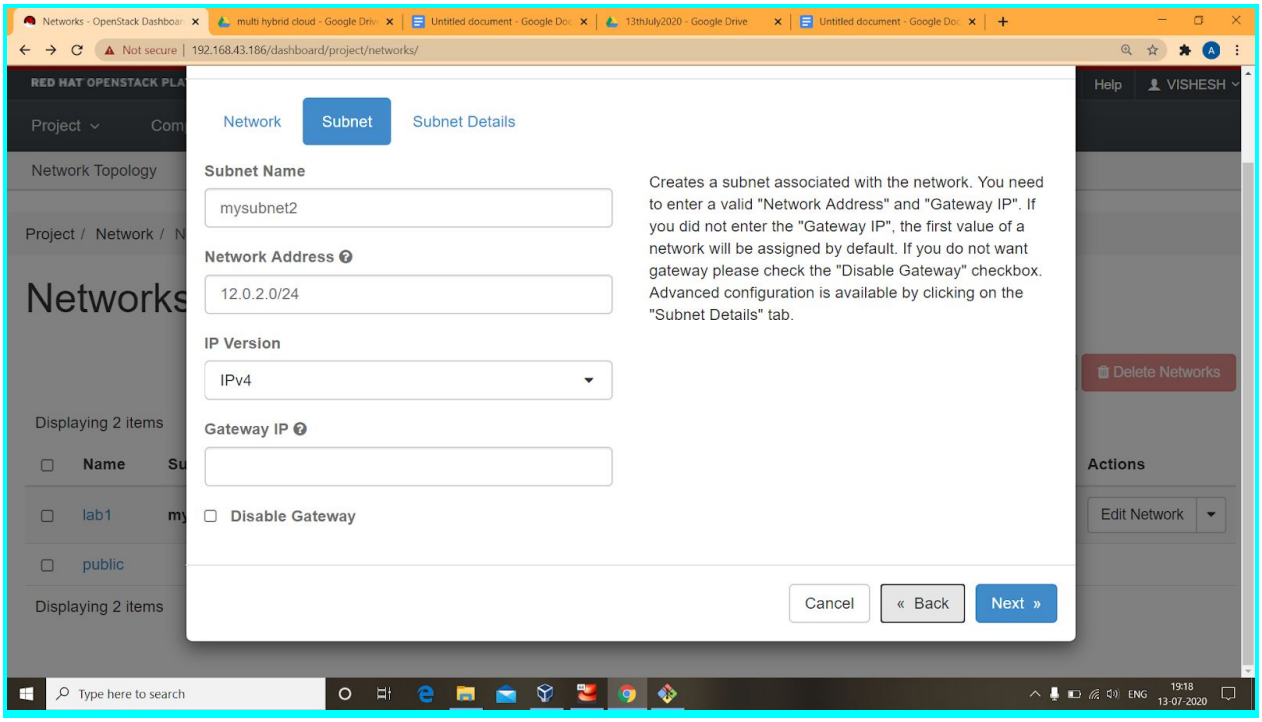

Networks - OpenStack Dashboard
Not secure | 192.168.43.186/dashboard/project/networks/
RED HAT OPENSTACK PLA
Help
VISHESH
Project
Network Topology
Project / Network / N
Networks
Delete Networks
Displaying 1 item
Name
Actions
public
Displaying 1 item
Create Network
Network
Subnet
Subnet Details
Subnet Name
mysubnet1
Network Address
11.0.1.0/24
IP Version
IPv4
Gateway IP
Disable Gateway
Creates a subnet associated with the network. You need to enter a valid "Network Address" and "Gateway IP". If you did not enter the "Gateway IP", the first value of a network will be assigned by default. If you do not want gateway please check the "Disable Gateway" checkbox. Advanced configuration is available by clicking on the "Subnet Details" tab.
Type here to search
ENG
19:14
13-07-2020

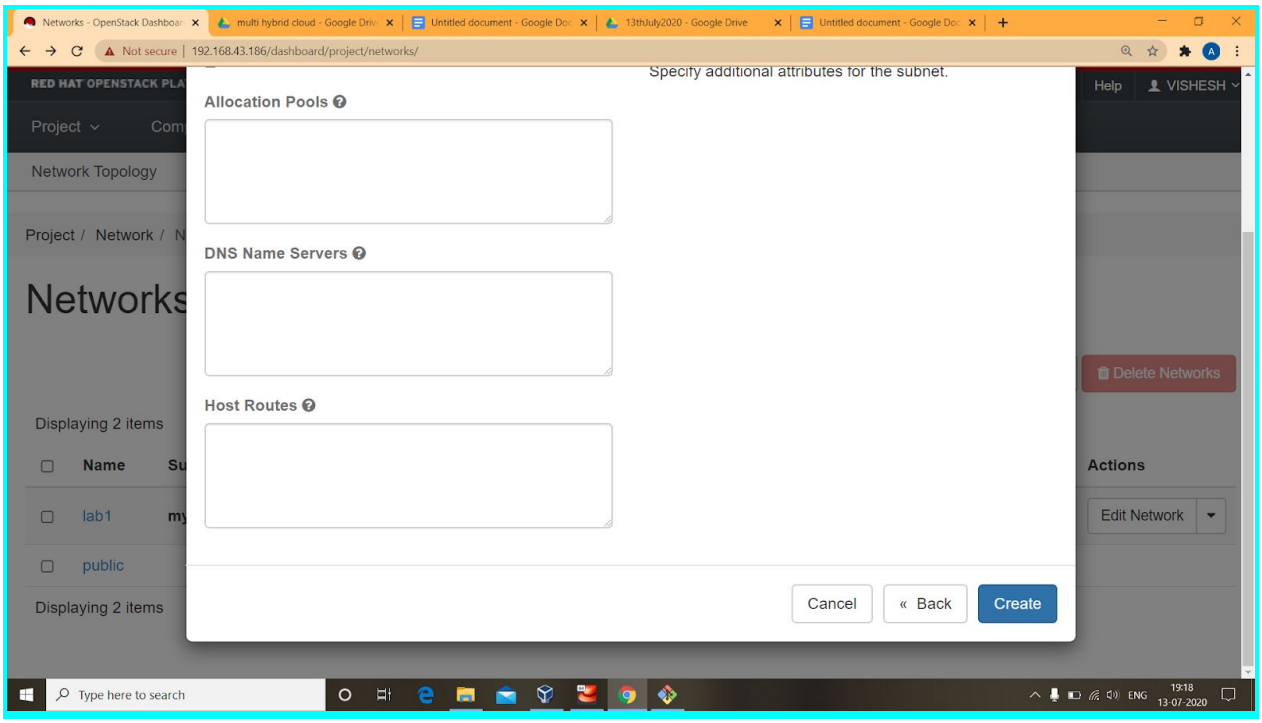

Networks - OpenStack Dashboard
Not secure | 192.168.43.186/dashboard/project/networks/
RED HAT OPENSTACK PLA
Help
VISHESH
Project
Network Topology
Project / Network / N
Networks
Delete Networks
Displaying 1 item
Name
Actions
public
Displaying 1 item
Network
Subnet
Subnet Details
Enable DHCP
Allocation Pools
DNS Name Servers
Host Routes
Specify additional attributes for the subnet.
Type here to search
ENG
19:16
13-07-2020

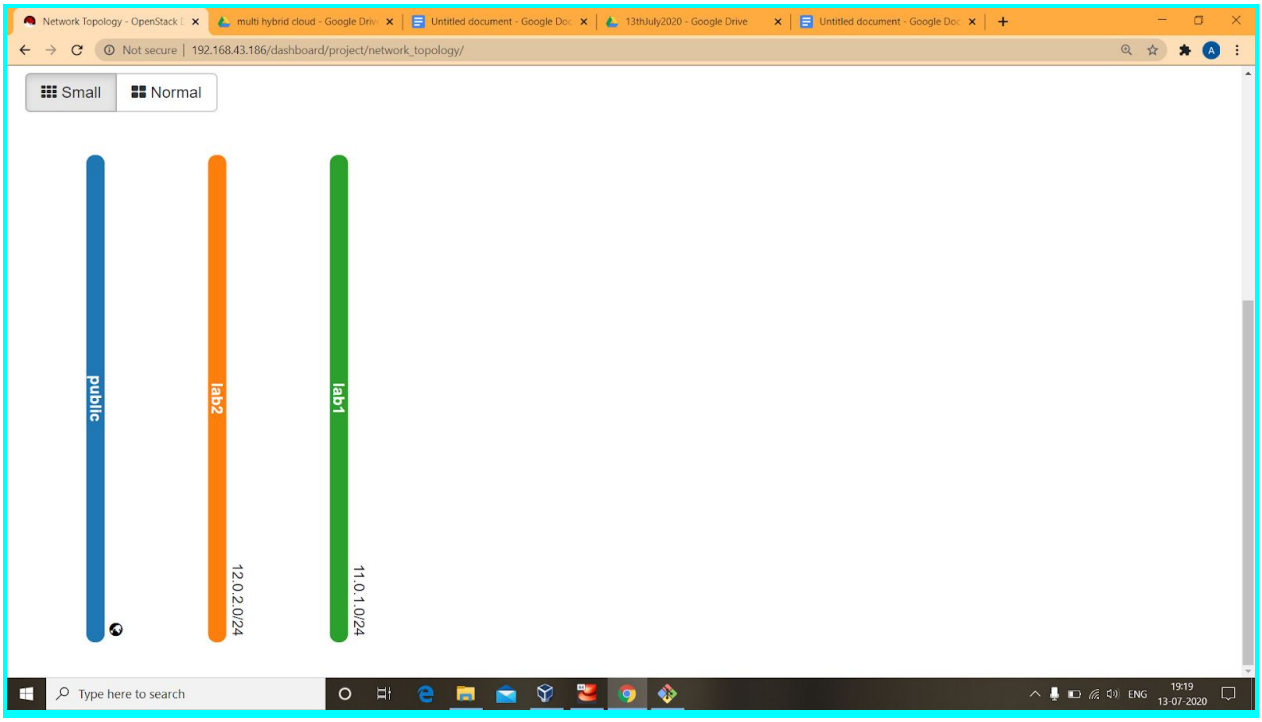

Networks - OpenStack Dashboard
Not secure | 192.168.43.186/dashboard/project/networks/
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Project
Compute
Volumes
Network
Network Topology
Networks
Routers
Security Groups
Floating IPs
Trunks
Project / Network / Networks
Networks
Name =
Filter
+ Create Network
Delete Networks
Displaying 2 items
Name
Subnets Associated
Shared
External
Status
Admin State
Availability Zones
Actions
lab1
mysubnet1 11.0.1.0/24
No
No
Active
UP
nova
Edit Network
public
No
Yes
Active
UP
-
Displaying 2 items
Type here to search
ENG
19:17
13-07-2020

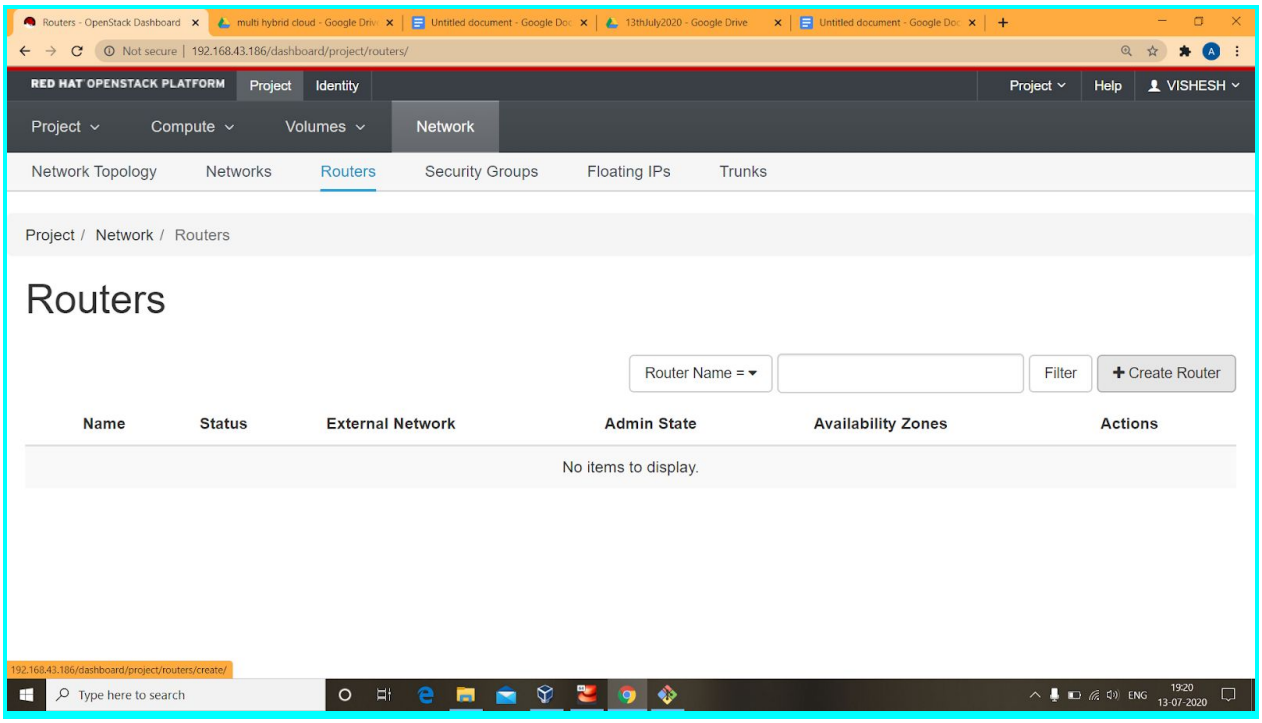

Network Topology - OpenStack
Not secure | 192.168.43.186/dashboard/project/network_topology/
Small
Normal
public
lab1
11.0.1.0/24
Type here to search
ENG
19:17
13-07-2020

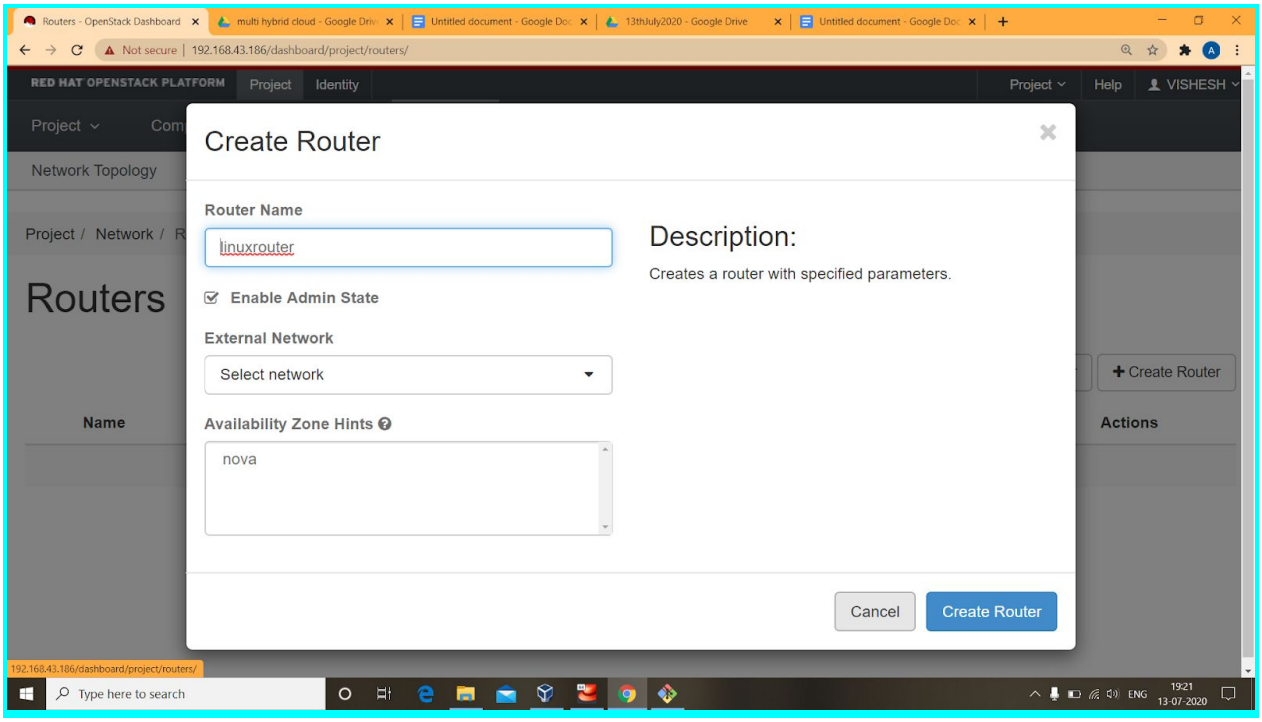

Networks - OpenStack Dashboard
Not secure | 192.168.43.186/dashboard/project/networks/
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Network Topology
Project / Network /
Networks
Delete Networks
Displaying 2 items
Name
Actions
lab1
Edit Network
public
Displaying 2 items
Create Network
Network
Subnet
Subnet Details
Network Name
lab2
Enable Admin State
Create Subnet
Availability Zone Hints
nova
Create a new network. In addition, a subnet associated with the network can be created in the following steps of this wizard.
Cancel
« Back
Next »
Type here to search
ENG
19:18
13-07-2020

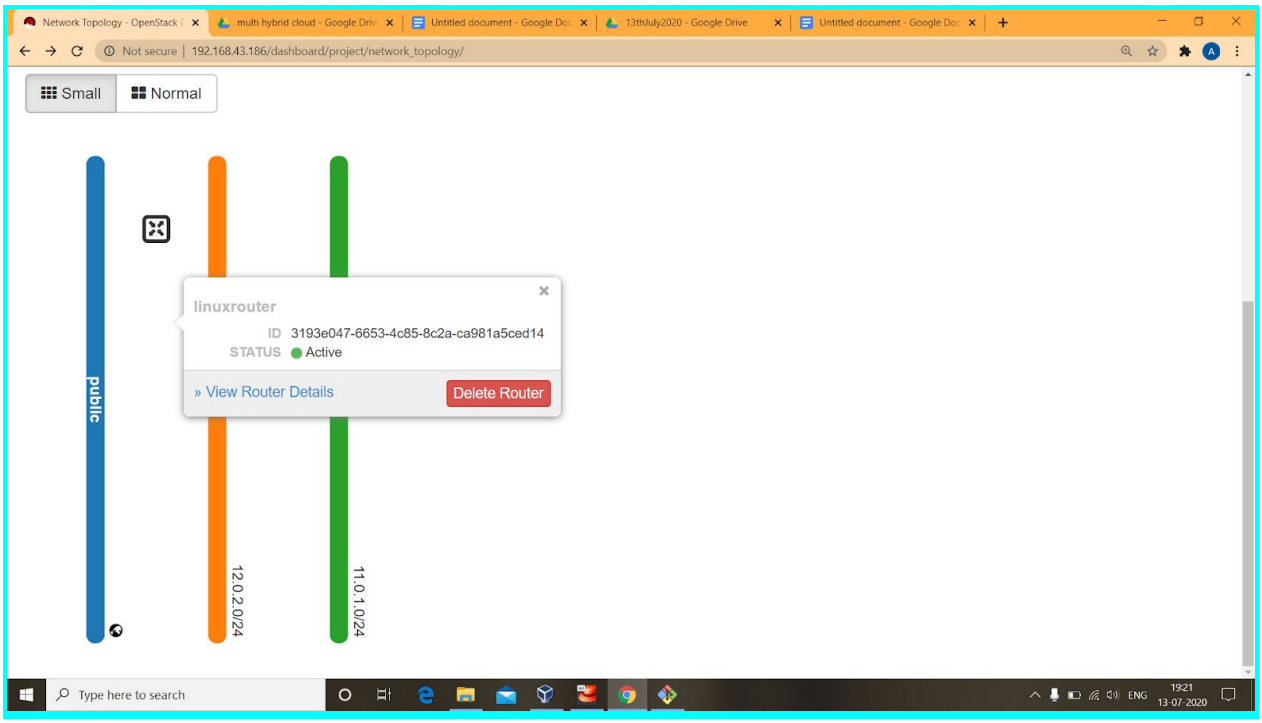

Networks - OpenStack Dashboard
Not secure | 192.168.43.186/dashboard/project/networks/
Help
VISHESH
Network Topology
Project / Network /
Networks
Delete Networks
Displaying 2 items
Name
Actions
lab1
Edit Network
public
Displaying 2 items
Network
Subnet
Subnet Details
Subnet Name
mysubnet2
Network Address
12.0.2.0/24
IP Version
IPv4
Gateway IP
Disable Gateway
Creates a subnet associated with the network. You need to enter a valid "Network Address" and "Gateway IP". If you did not enter the "Gateway IP", the first value of a network will be assigned by default. If you do not want gateway please check the "Disable Gateway" checkbox. Advanced configuration is available by clicking on the "Subnet Details" tab.
Cancel
« Back
Next »
Type here to search
ENG
19:18
13-07-2020


Networks - OpenStack Dashboard
Not secure | 192.168.43.186/dashboard/project/networks/
Specify additional attributes for the subnet.
Allocation Pools
DNS Name Servers
Host Routes
Cancel
« Back
Create
Network Topology
Project / Network /
Networks
Displaying 2 items
Name
lab1
public
Actions
Edit Network
Delete Networks
Displaying 2 items
Type here to search
ENG
19:18
13-07-2020

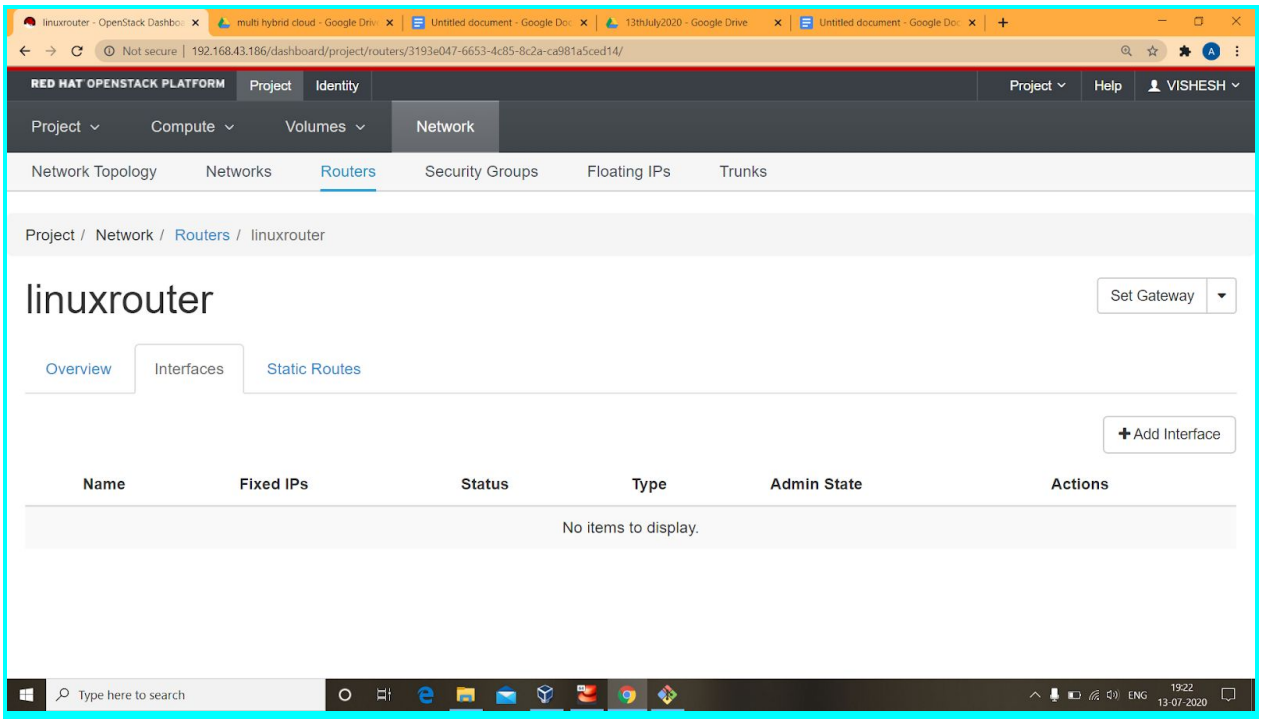

Network Topology - OpenStack
Not secure | 192.168.43.186/dashboard/project/network_topology/
Small
Normal
public
lab2
12.0.2.0/24
lab1
11.0.1.0/24
Type here to search
ENG
19:19
13-07-2020

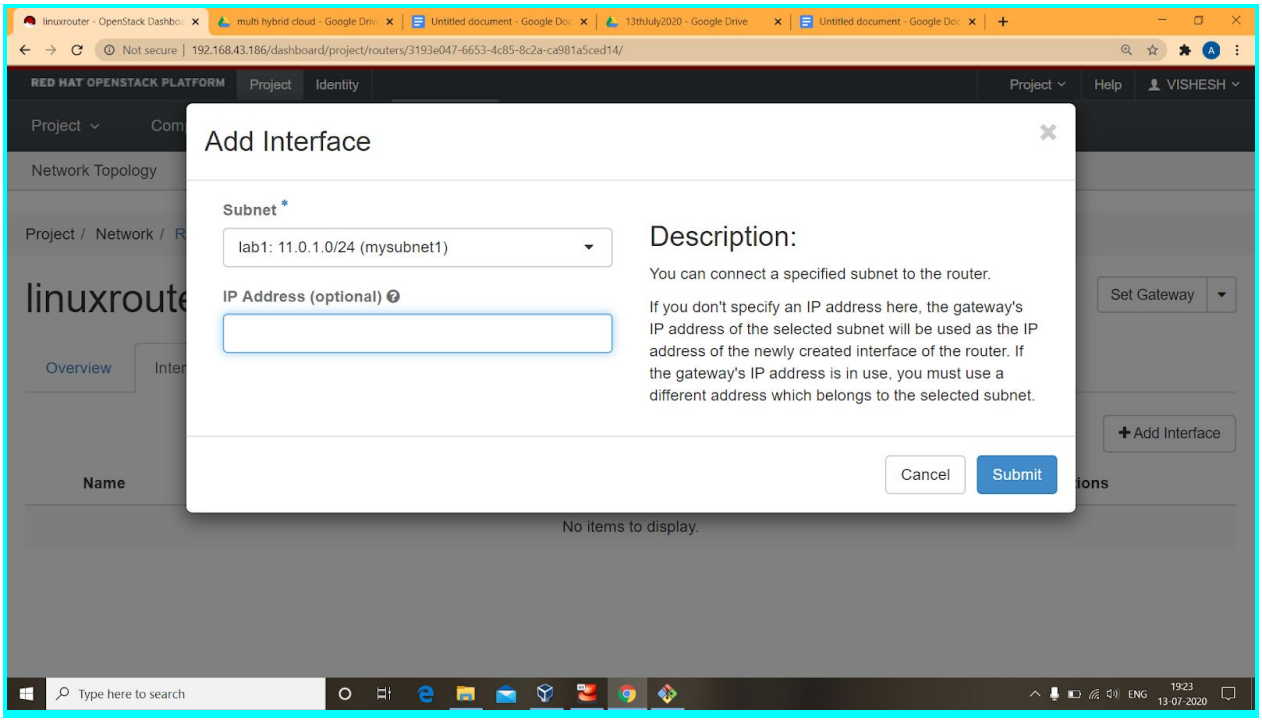

Routers - OpenStack Dashboard
Not secure | 192.168.43.186/dashboard/project/routers/
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Project
Compute
Volumes
Network
Network Topology
Networks
Routers
Security Groups
Floating IPs
Trunks
Project / Network / Routers
Routers
Router Name =
Filter
+ Create Router
Name
Status
External Network
Admin State
Availability Zones
Actions
No items to display.
192.168.43.186/dashboard/project/routers/create/
Type here to search
ENG
19:20
13-07-2020

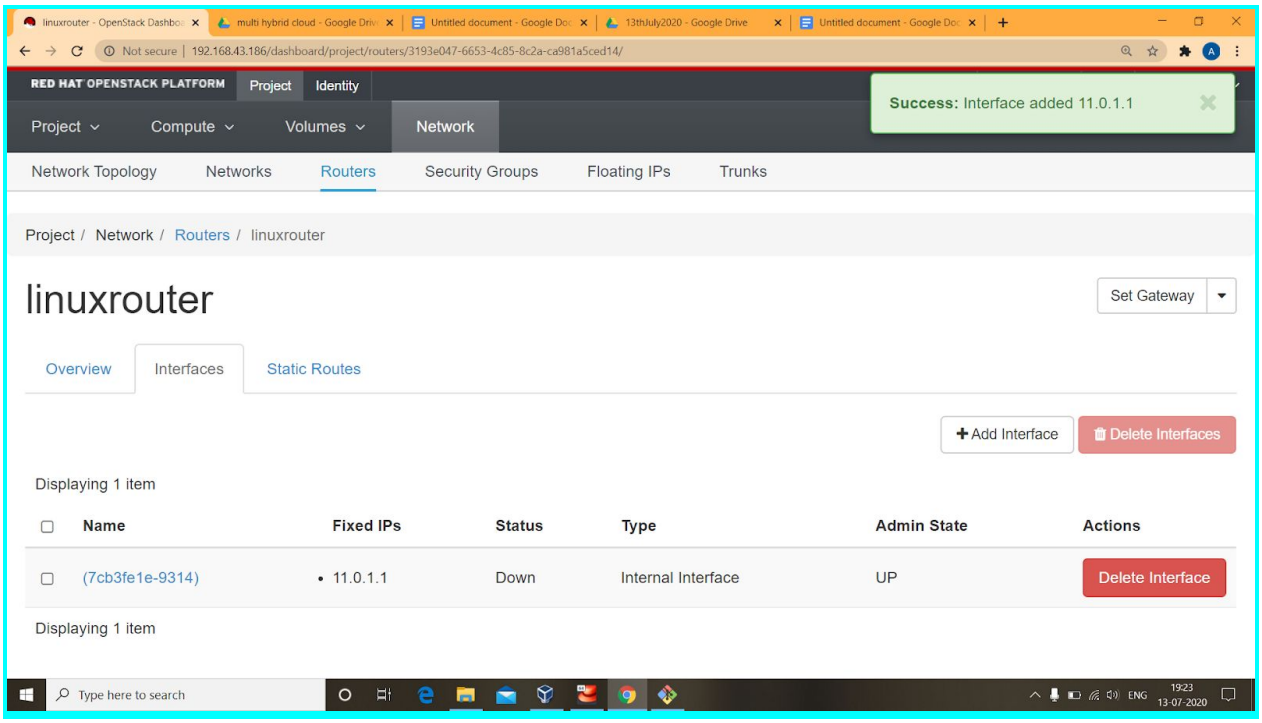

Routers - OpenStack Dashboard
Not secure | 192.168.43.186/dashboard/project/routers/
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Network Topology
Project / Network / R
Routers
+ Create Router
Name
Actions
Create Router
Router Name
linuxrouter
Enable Admin State
External Network
Select network
Availability Zone Hints
nova
Description:
Creates a router with specified parameters.
Cancel
Create Router
192.168.43.186/dashboard/project/routers/
Type here to search
ENG
19:21
13-07-2020



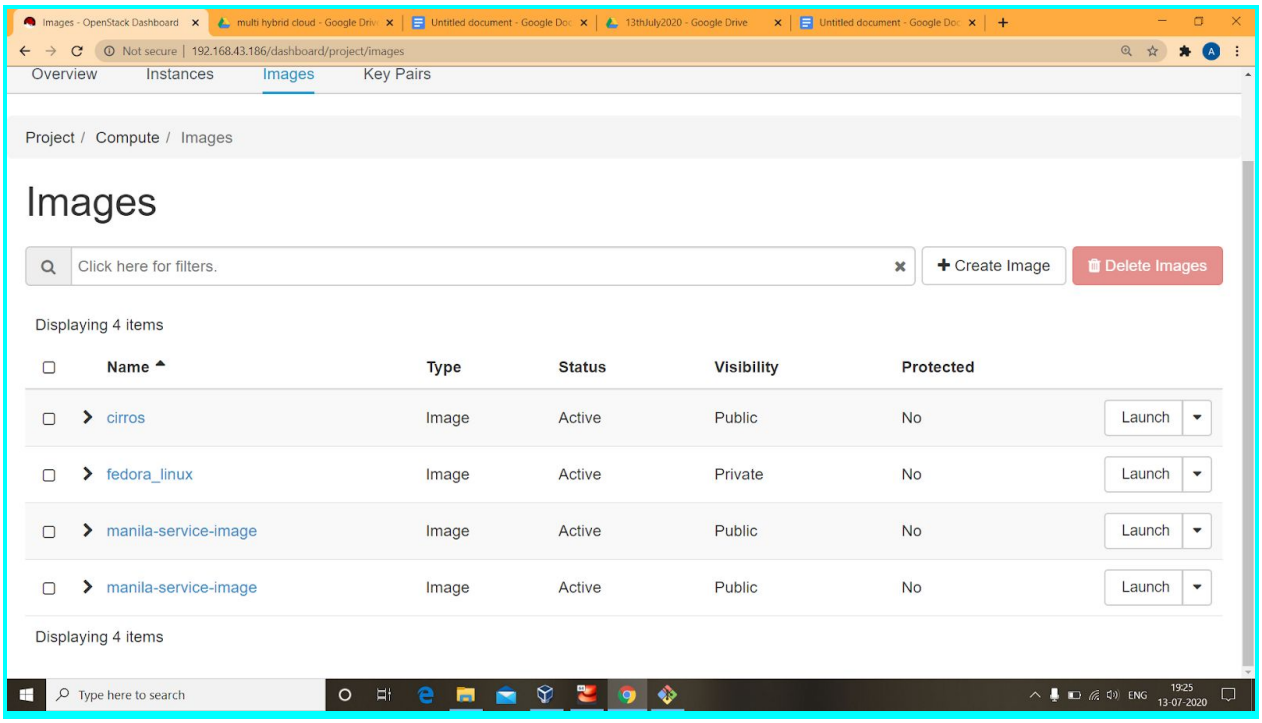

```
[root@openstack ~(keystone_demo)]# ip netns
qdhcp-e84d7caf-18fa-4832-b492-f924233d6510 (id: 2)
qdhcp-d031d503-dcc4-4ddb-9225-b370fe42da3e (id: 1)
qrouter-993cc01b-f07b-494c-ad7b-f216c4f5eab8 (id: 0)
[root@openstack ~(keystone_demo)]# ip netns
qdhcp-96434b2f-474c-4a91-ab9e-4e6536cd8221 (id: 3)
qdhcp-e84d7caf-18fa-4832-b492-f924233d6510 (id: 2)
qdhcp-d031d503-dcc4-4ddb-9225-b370fe42da3e (id: 1)
qrouter-993cc01b-f07b-494c-ad7b-f216c4f5eab8 (id: 0)
```


RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Project
Compute
Volumes
Network
Network Topology
Networks
Routers
Security Groups
Floating IPs
Trunks
Project / Network / Routers / linuxrouter
linuxrouter
Set Gateway
Overview
Interfaces
Static Routes
+ Add Interface
Name
Fixed IPs
Status
Type
Admin State
Actions
No items to display.


Add Interface
Subnet *
lab1: 11.0.1.0/24 (mysubnet1)
IP Address (optional)
Description:
You can connect a specified subnet to the router.
If you don't specify an IP address here, the gateway's IP address of the selected subnet will be used as the IP address of the newly created interface of the router. If the gateway's IP address is in use, you must use a different address which belongs to the selected subnet.
Cancel
Submit

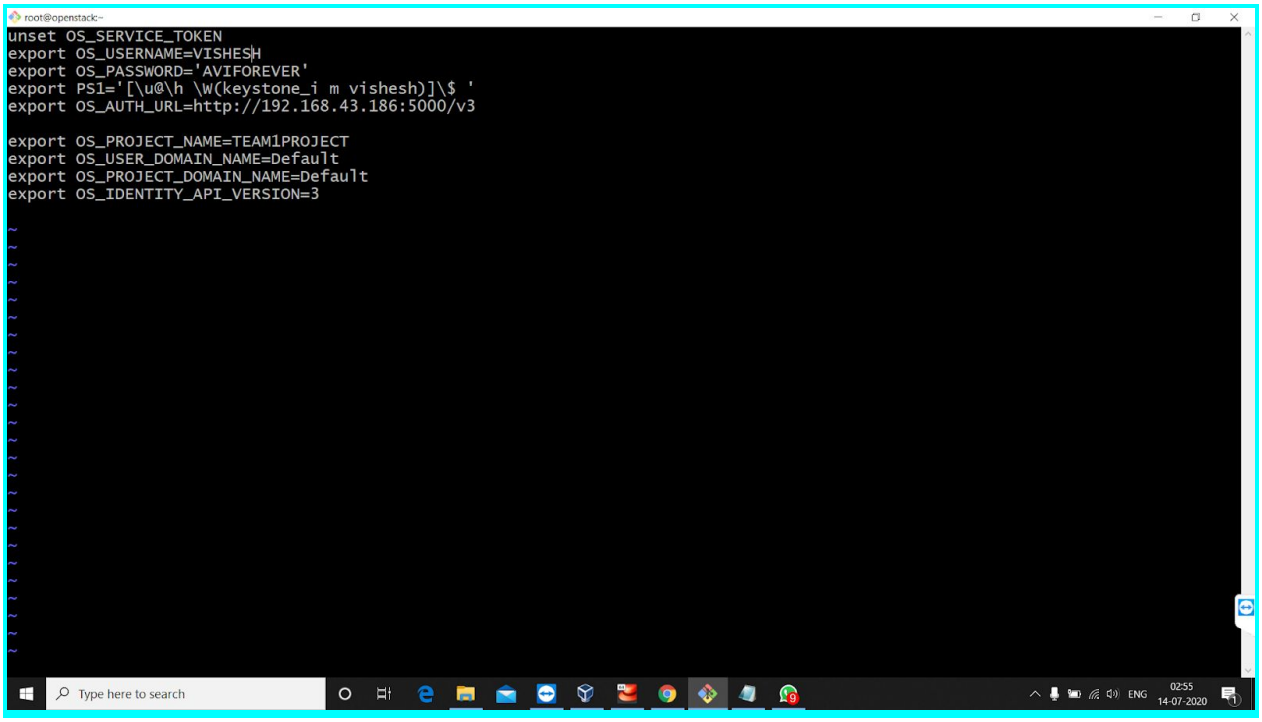


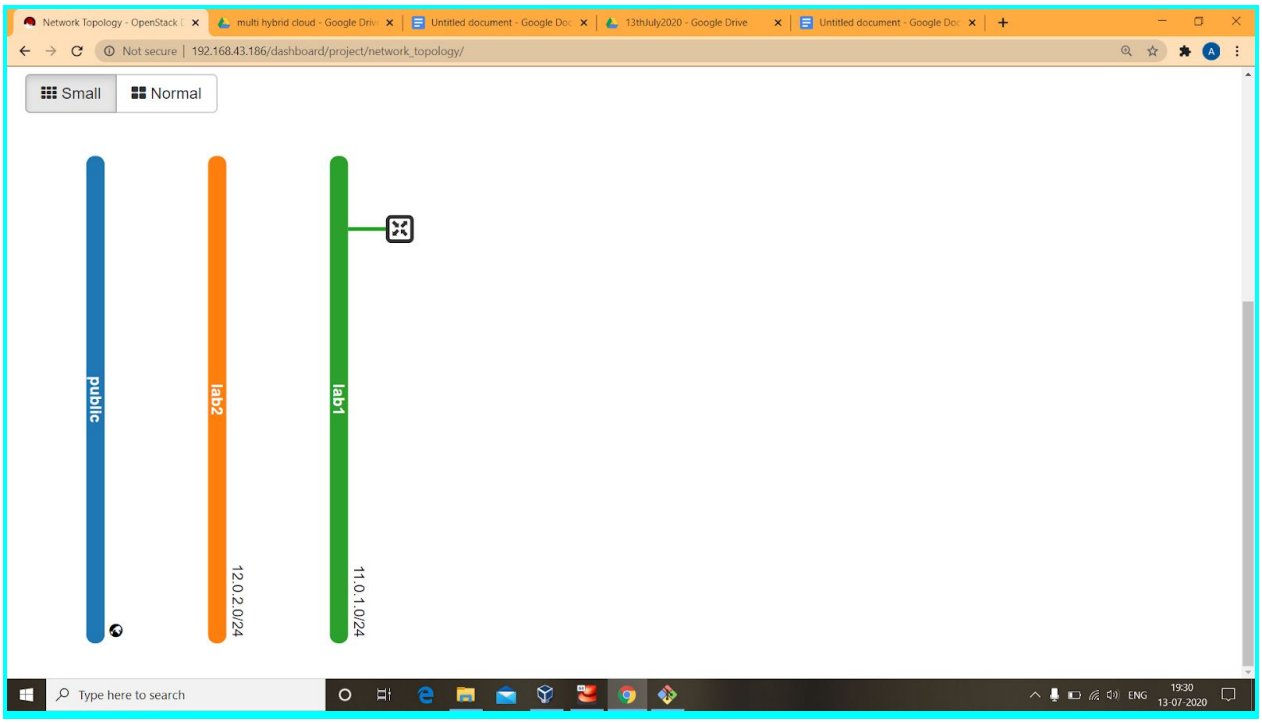
[root@openstack ~(keystone_demo)]# ip netns
qrouter-3193e047-6653-4c85-8c2a-ca981a5ced14 (id: 4)
qdhcp-96434b2f-474c-4a91-ab9e-4e6536cd8221 (id: 3)
qdhcp-e84d7caf-18fa-4832-b492-f924233d6510 (id: 2)
qdhcp-d031d503-dcc4-4ddb-9225-b370fe42da3e (id: 1)
qrouter-993cc01b-f07b-494c-ad7b-f216c4f5eab8 (id: 0)

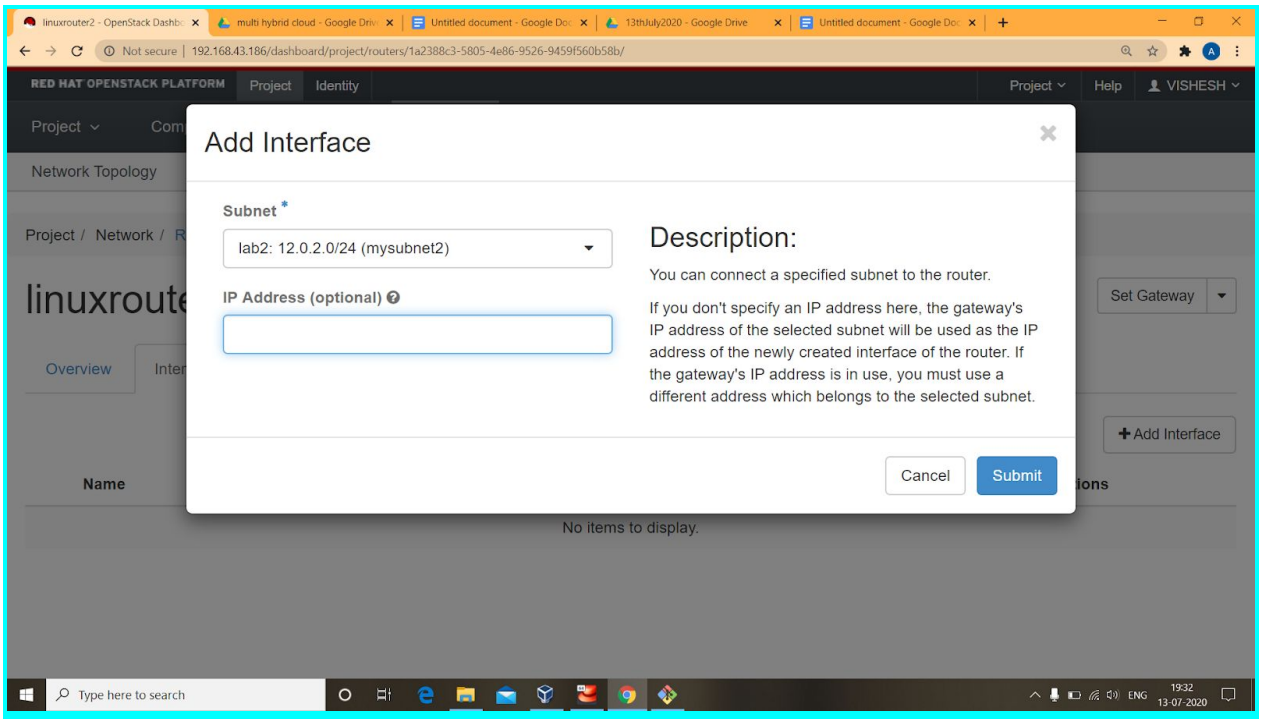


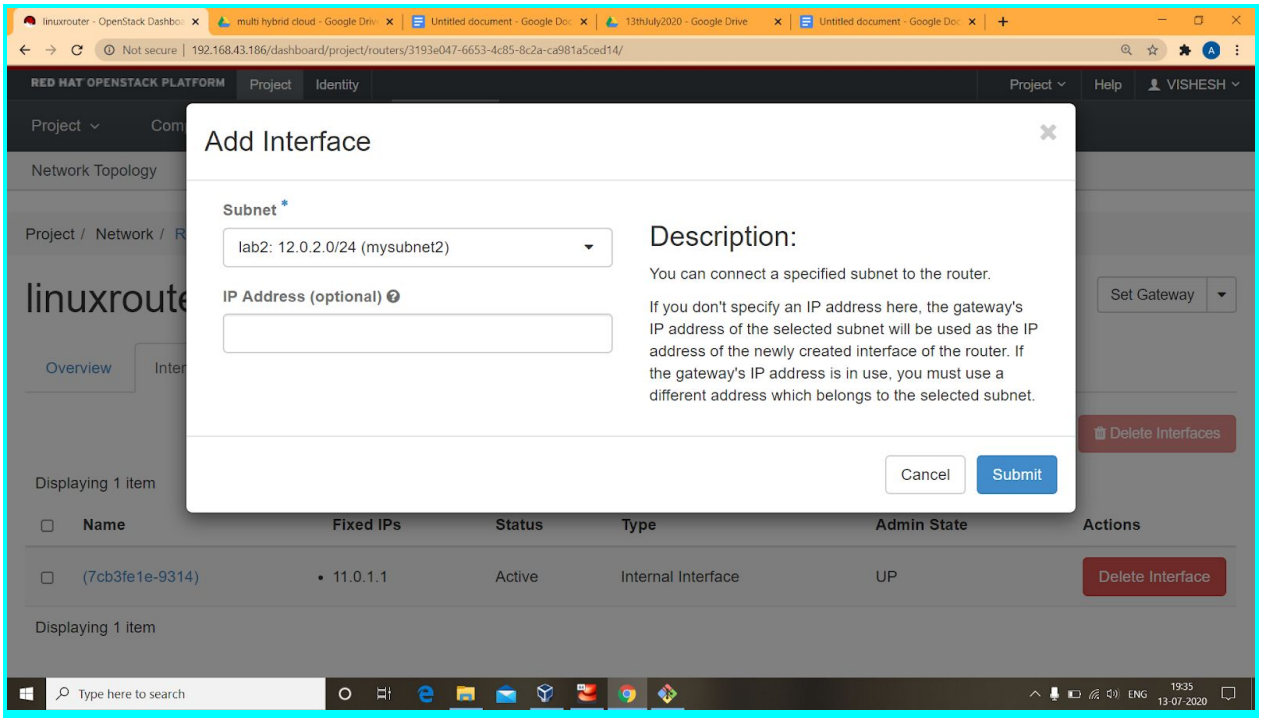

```
[root@openstack ~(keystone_demo)]# cp keystonerc_demo keystonerc_vishesh
[root@openstack ~(keystone_demo)]# ls
a.txt  keystonerc_admin  keystonerc_demo  keystonerc_vishesh
[root@openstack ~(keystone_demo)]# vi keystonerc_vishesh
[root@openstack ~(keystone_demo)]# source keystonerc_vishesh
[root@openstack ~(keystone_i m vishesh)]# cat keystonerc_vishesh
unset OS_SERVICE_TOKEN
export OS_USERNAME=VISHESH
export OS_PASSWORD='AVIFOREVER'
export PS1='[\u@\h \W(keystone_i m vishesh)]\$ '
export OS_AUTH_URL=http://192.168.43.186:5000/v3

export OS_PROJECT_NAME=TEAM1PROJECT
export OS_USER_DOMAIN_NAME=Default
export OS_PROJECT_DOMAIN_NAME=Default
export OS_IDENTITY_API_VERSION=3

[root@openstack ~(keystone_i m vishesh)]# nova list
+--------------------------------------+----------+--------+------------+-------------+--------------+
| ID                                   | Name     | Status | Task State | Power State | Networks
|
+--------------------------------------+----------+--------+------------+-------------+--------------+
```

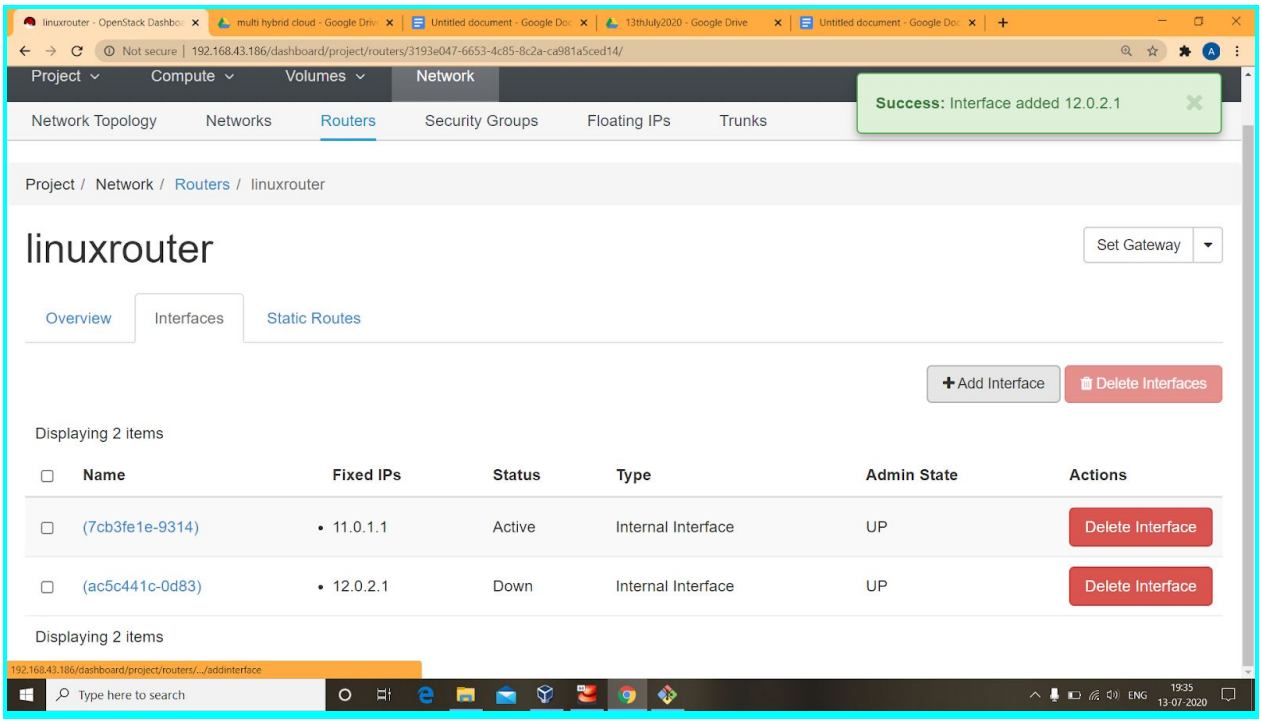
| 8853a9f9-b135-436d-ac0d-6f5bee8a22a6 | firstos1 | ACTIVE | - | Running | lab1=11.0.1.9 |

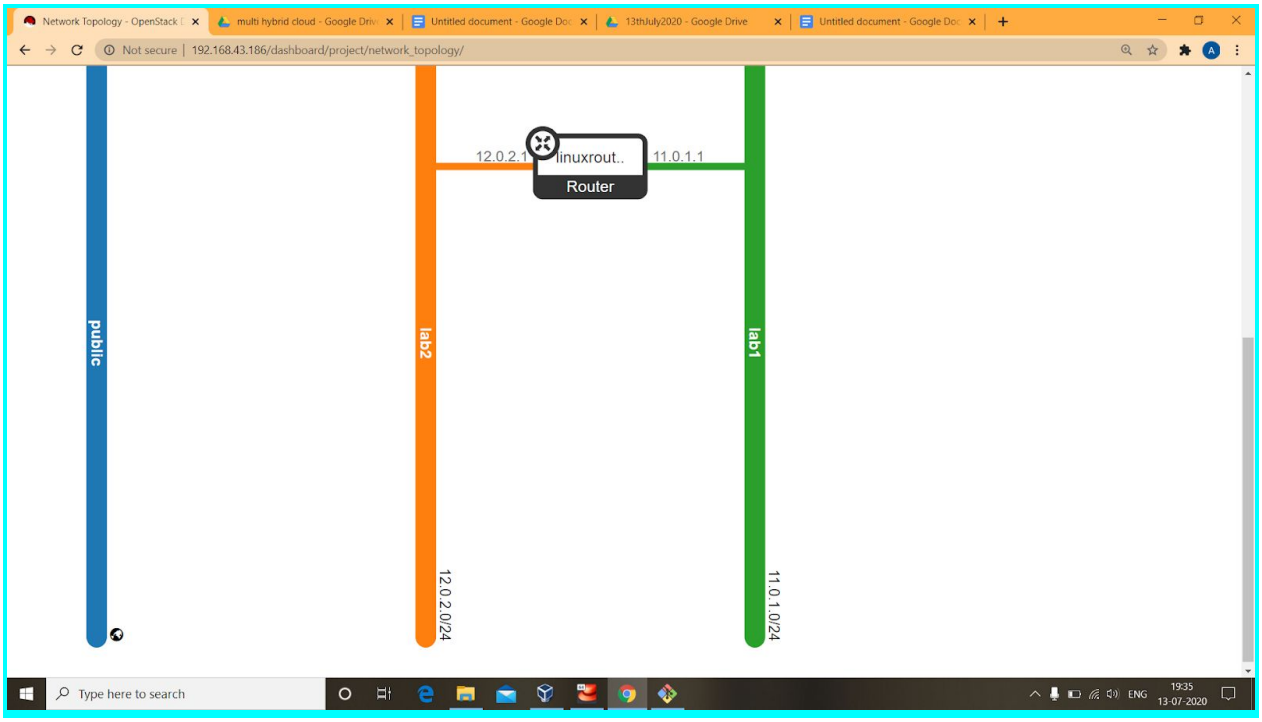


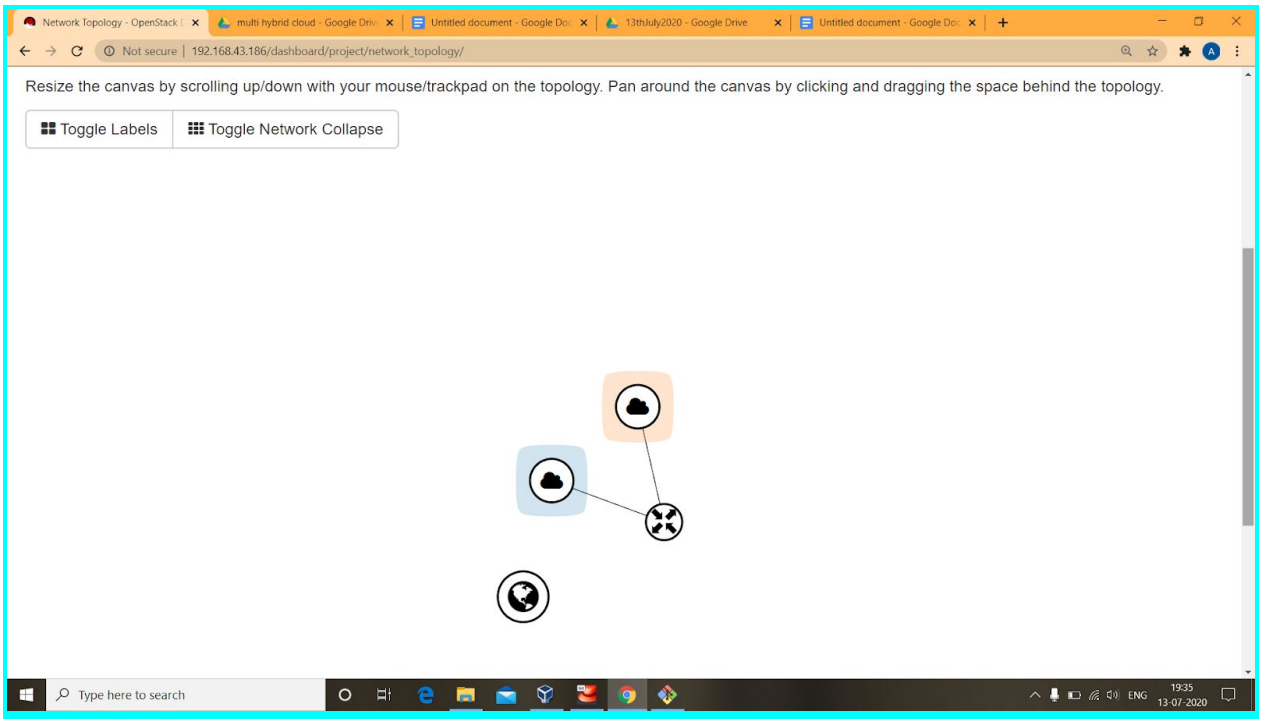



Add Interface
Subnet *
lab2: 12.0.2.0/24 (mysubnet2)
IP Address (optional)
Description:
You can connect a specified subnet to the router.
If you don't specify an IP address here, the gateway's IP address of the selected subnet will be used as the IP address of the newly created interface of the router. If the gateway's IP address is in use, you must use a different address which belongs to the selected subnet.
Cancel
Submit
RED HAT OPENSTACK PLATFORM
Project
Identity
Network Topology
Set Gateway
Add Interface
Name
No items to display.


Add Interface
Subnet *
lab2: 12.0.2.0/24 (mysubnet2)
IP Address (optional)
Description:
You can connect a specified subnet to the router.
If you don't specify an IP address here, the gateway's IP address of the selected subnet will be used as the IP address of the newly created interface of the router. If the gateway's IP address is in use, you must use a different address which belongs to the selected subnet.
Cancel
Submit
RED HAT OPENSTACK PLATFORM
Project
Identity
Network Topology
Set Gateway
Delete Interfaces
Displaying 1 item
Name
Fixed IPs
Status
Type
Admin State
Actions
(7cb3fe1e-9314)
11.0.1.1
Active
Internal Interface
UP
Delete Interface
Displaying 1 item


Not secure | 192.168.43.186/dashboard/project/routers/3193e047-6653-4c85-8c2a-ca981a5ced14/
Project
Compute
Volumes
Network
Success: Interface added 12.0.2.1
Network Topology
Networks
Routers
Security Groups
Floating IPs
Trunks
Project / Network / Routers / linuxrouter
linuxrouter
Set Gateway
Overview
Interfaces
Static Routes
+ Add Interface
Delete Interfaces
Displaying 2 items
Name
Fixed IPs
Status
Type
Admin State
Actions
(7cb3fe1e-9314)
11.0.1.1
Active
Internal Interface
UP
Delete Interface
(ac5c441c-0d83)
12.0.2.1
Down
Internal Interface
UP
Delete Interface
Displaying 2 items
192.168.43.186/dashboard/project/routers/.../addinterface
Type here to search
ENG
19:35
13-07-2020


Not secure | 192.168.43.186/dashboard/project/network_topology/
12.0.2.1
linuxrout..
11.0.1.1
Router
public
lab2
lab1
12.0.2.0/24
11.0.1.0/24
Type here to search
ENG
19:35
13-07-2020



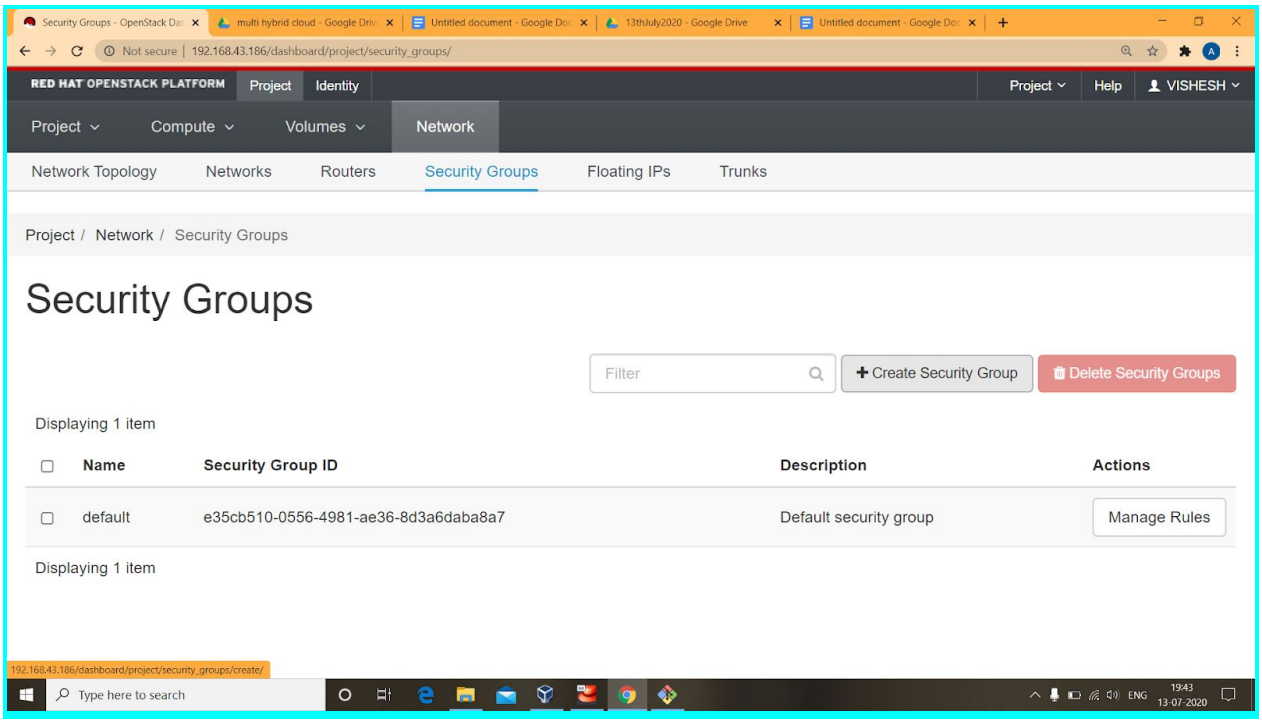

```
[root@openstack ~(keystone_i m vishesh)]# ip netns
qrouter-3193e047-6653-4c85-8c2a-ca981a5ced14 (id: 4)
qdhcp-96434b2f-474c-4a91-ab9e-4e6536cd8221 (id: 3)
qdhcp-e84d7caf-18fa-4832-b492-f924233d6510 (id: 2)
qdhcp-d031d503-dcc4-4ddb-9225-b370fe42da3e (id: 1)
qrouter-993cc01b-f07b-494c-ad7b-f216c4f5eab8 (id: 0)
[root@openstack ~(keystone_i m vishesh)]# ip netns
qrouter-7cb3fe1e-9314-467d-a496-7042e63a9355  bash
Command "qrouter-7cb3fe1e-9314-467d-a496-7042e63a9355" is unknown, try "ip
netns help".
[root@openstack ~(keystone_i m vishesh)]# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.43.186  netmask 255.255.255.0  broadcast 192.168.43.255
        inet6 fe80::a00:27ff:fe04:dd49  prefixlen 64  scopeid 0x20<link>
        inet6 2401:4900:3058:9bfd:a00:27ff:fe04:dd49  prefixlen 64  scopeid
0x0<global>
        ether 08:00:27:04:dd:49  txqueuelen 1000  (Ethernet)
        RX packets 227470  bytes 315427563 (300.8 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 24372  bytes 11502370 (10.9 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

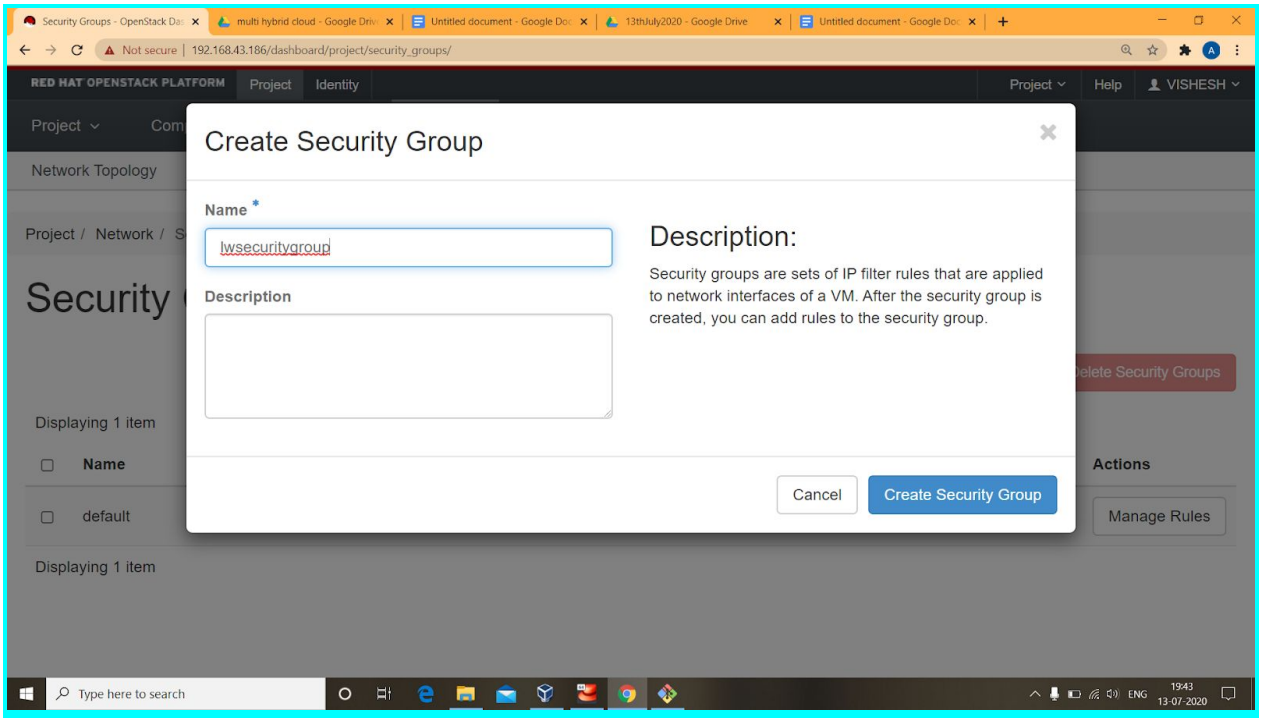
```
lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 1370189  bytes 537551664 (512.6 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 1370189  bytes 537551664 (512.6 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[root@openstack ~(keystone_i m vishesh)]# ovs-vsctl show
0c0552b8-e81b-4ef4-bc3a-0b2eaac6e011
    Manager "ptcp:6640:127.0.0.1"
        is_connected: true
    Bridge br-tun
        Controller "tcp:127.0.0.1:6633"
            is_connected: true
        fail_mode: secure
        Port patch-int
            Interface patch-int
                type: patch
                options: {peer=patch-tun}
        Port br-tun
            Interface br-tun
                type: internal
    Bridge br-int
        Controller "tcp:127.0.0.1:6633"
            is_connected: true
        fail_mode: secure
        Port "tapb80a1a81-b9"
            tag: 4
            Interface "tapb80a1a81-b9"
                type: internal
        Port "qg-a817bfa5-d4"
            tag: 1
            Interface "qg-a817bfa5-d4"
                type: internal
        Port "qr-e2146d45-72"
            tag: 2
            Interface "qr-e2146d45-72"
```

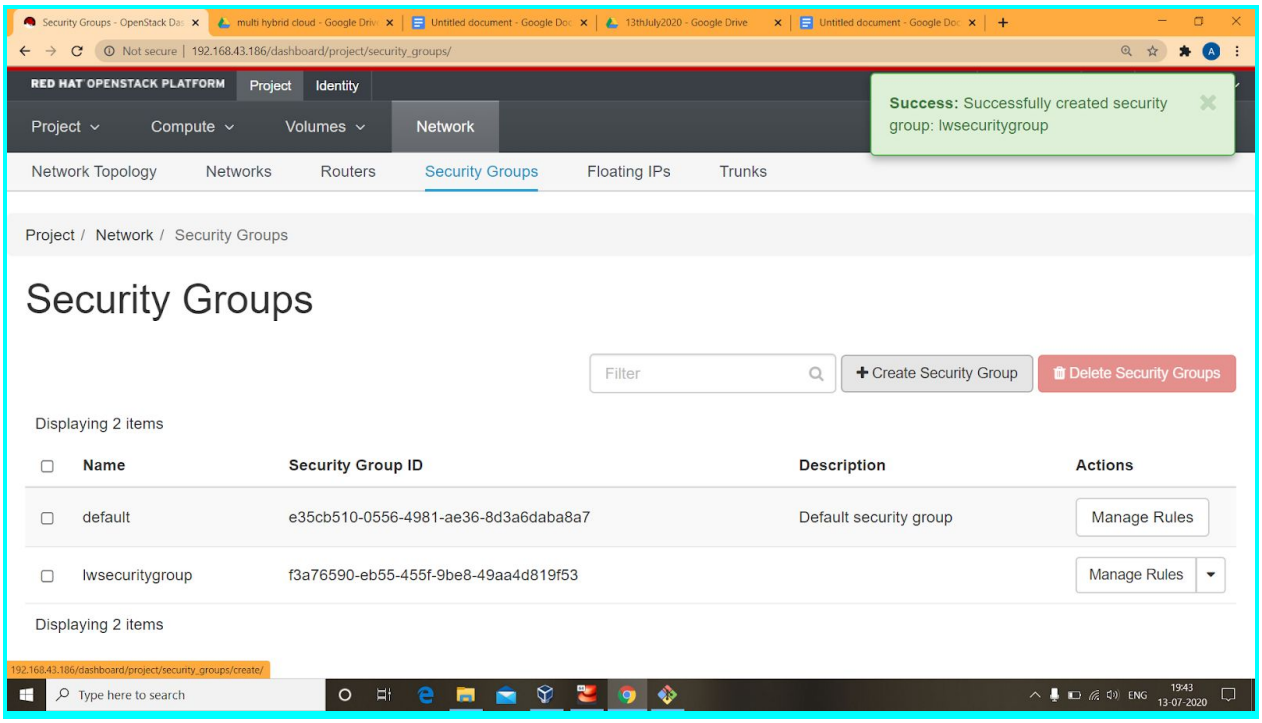
```
            type: internal
        Port "tap8e675b87-e9"
            tag: 3
            Interface "tap8e675b87-e9"
                type: internal
        Port "tap298f262b-3d"
            tag: 2
            Interface "tap298f262b-3d"
                type: internal
        Port "qr-7cb3fe1e-93"
            tag: 3
            Interface "qr-7cb3fe1e-93"
                type: internal
        Port br-int
            Interface br-int
                type: internal
        Port int-br-ex
            Interface int-br-ex
                type: patch
                options: {peer=phy-br-ex}
        Port patch-tun
            Interface patch-tun
                type: patch
                options: {peer=patch-int}
        Port "qr-ac5c441c-0d"
            tag: 4
            Interface "qr-ac5c441c-0d"
                type: internal
    Bridge br-ex
        Controller "tcp:127.0.0.1:6633"
            is_connected: true
        fail_mode: secure
        Port br-ex
            Interface br-ex
                type: internal
        Port phy-br-ex
            Interface phy-br-ex
                type: patch
                options: {peer=int-br-ex}
```

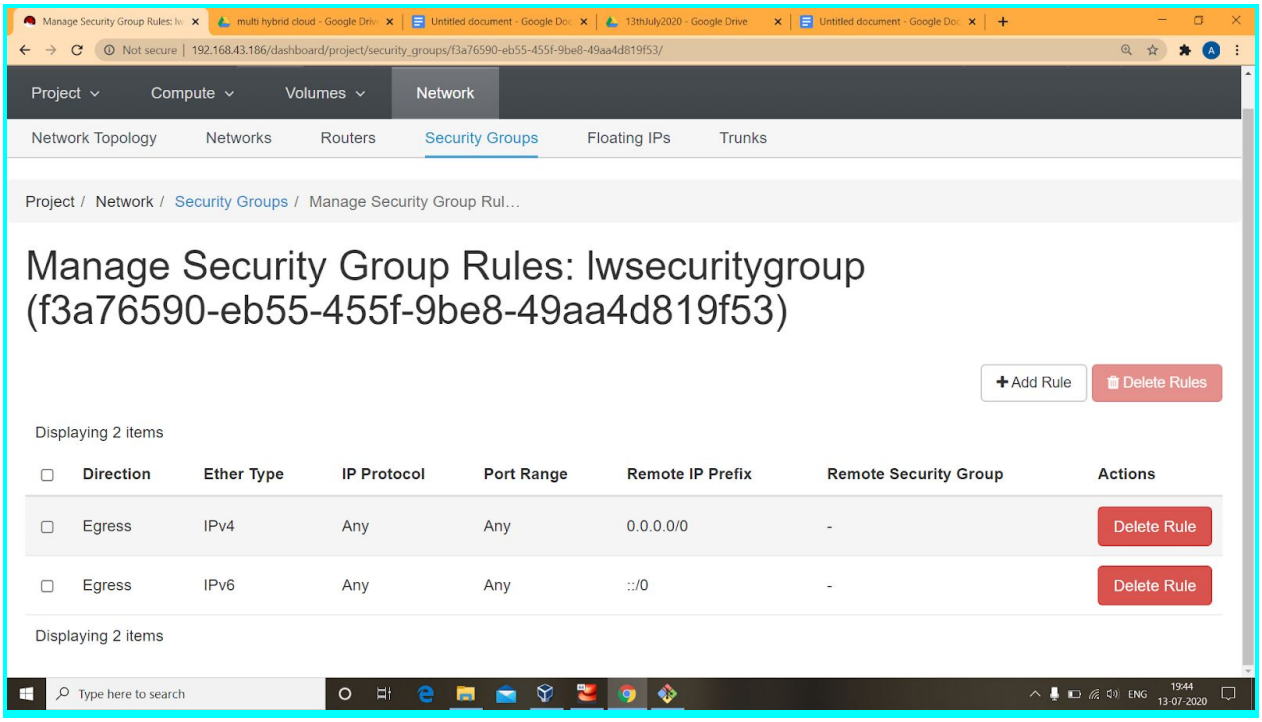
```
    ovs_version: "2.9.0"
[root@openstack ~(keystone_i m vishesh)]# ip netns exec
qrouter-3193e047-6653-4c85-8c2a-ca981a5ced14 bash
[root@openstack ~(keystone_i m vishesh)]# ifconfig
lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 0  bytes 0 (0.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 0  bytes 0 (0.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

qr-7cb3fe1e-93: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1450
        inet 11.0.1.1  netmask 255.255.255.0  broadcast 11.0.1.255
        inet6 fe80::f816:3eff:fec2:554c  prefixlen 64  scopeid 0x20<link>
        ether fa:16:3e:c2:55:4c  txqueuelen 1000  (Ethernet)
        RX packets 0  bytes 0 (0.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 13  bytes 990 (990.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

qr-ac5c441c-0d: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1450
        inet 12.0.2.1  netmask 255.255.255.0  broadcast 12.0.2.255
        inet6 fe80::f816:3eff:fe82:264d  prefixlen 64  scopeid 0x20<link>
        ether fa:16:3e:82:26:4d  txqueuelen 1000  (Ethernet)
        RX packets 0  bytes 0 (0.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 13  bytes 990 (990.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[root@openstack ~(keystone_i m vishesh)]#
[root@openstack ~(keystone_i m vishesh)]# exit
exit
[root@openstack ~(keystone_i m vishesh)]# ip netns exec
qrouter-3193e047-6653-4c85-8c2a-ca981a5ced14 bash
[root@openstack ~(keystone_i m vishesh)]# ping 12.0.2.1
PING 12.0.2.1 (12.0.2.1) 56(84) bytes of data.
64 bytes from 12.0.2.1: icmp_seq=1 ttl=64 time=0.052 ms
```

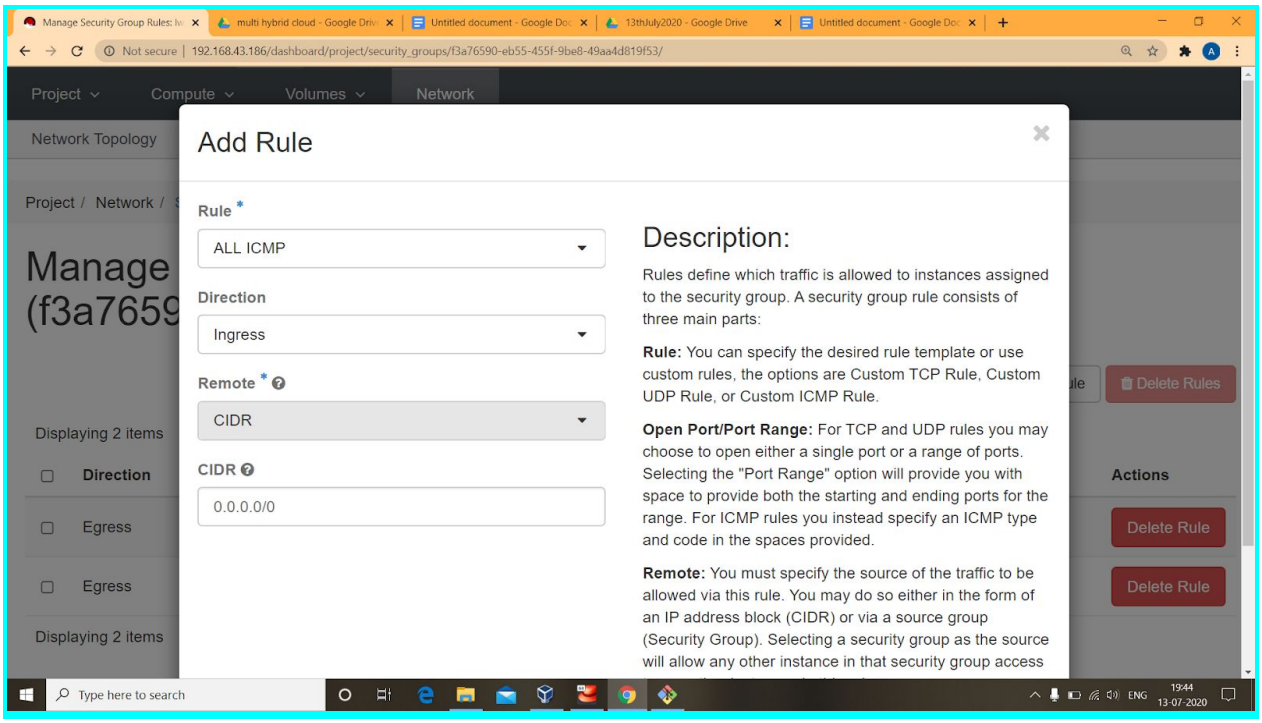
```
64 bytes from 12.0.2.1: icmp_seq=2 ttl=64 time=0.041 ms
64 bytes from 12.0.2.1: icmp_seq=3 ttl=64 time=0.034 ms
^C
--- 12.0.2.1 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2001ms
rtt min/avg/max/mdev = 0.034/0.042/0.052/0.009 ms
[root@openstack ~(keystone_i m vishesh)]# ping 11.0.1.1
PING 11.0.1.1 (11.0.1.1) 56(84) bytes of data.
64 bytes from 11.0.1.1: icmp_seq=1 ttl=64 time=0.045 ms
64 bytes from 11.0.1.1: icmp_seq=2 ttl=64 time=0.046 ms
64 bytes from 11.0.1.1: icmp_seq=3 ttl=64 time=0.052 ms
^C
--- 11.0.1.1 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2001ms
rtt min/avg/max/mdev = 0.045/0.047/0.052/0.008 ms
[root@openstack ~(keystone_i m vishesh)]# ping 8.8.8.
ping: 8.8.8.: Name or service not known
[root@openstack ~(keystone_i m vishesh)]# ping 8.8.8.8
connect: Network is unreachable
```

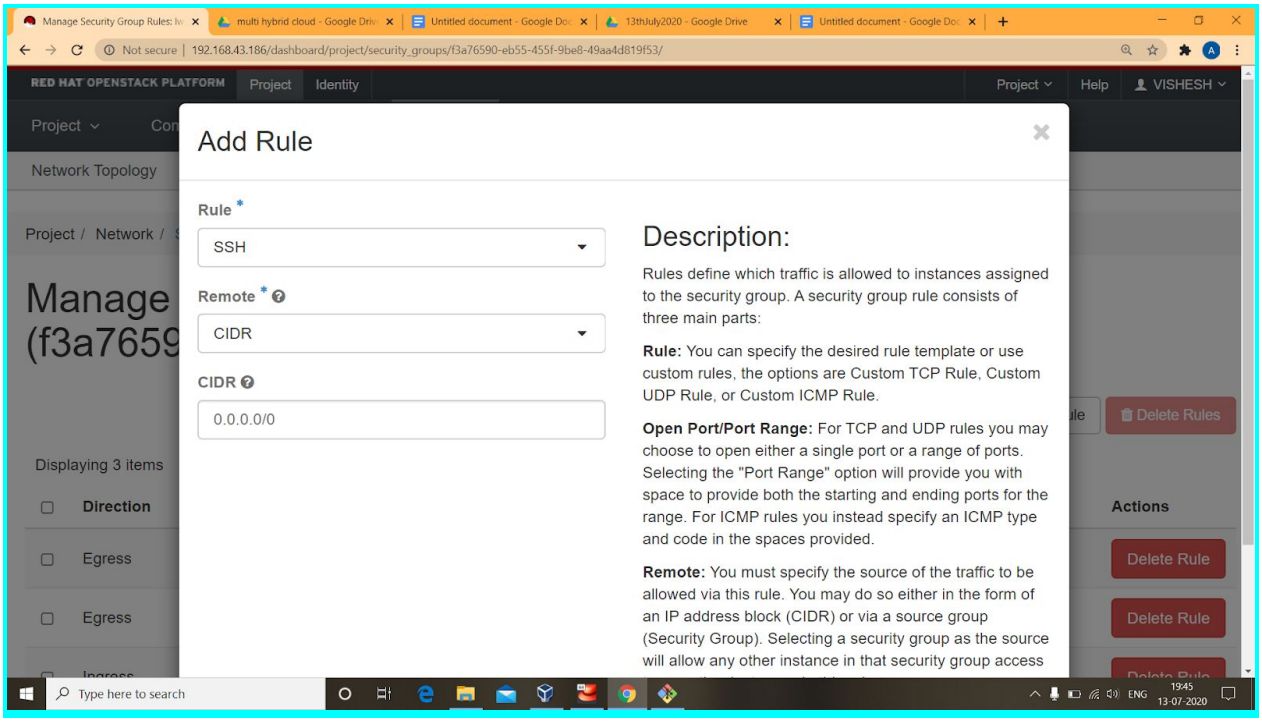

Not secure | 192.168.43.186/dashboard/project/security_groups/
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Project
Compute
Volumes
Network
Network Topology
Networks
Routers
Security Groups
Floating IPs
Trunks
Project / Network / Security Groups
Security Groups
Filter
+ Create Security Group
Delete Security Groups
Displaying 1 item
Name
Security Group ID
Description
Actions
default
e35cb510-0556-4981-ae36-8d3a6daba8a7
Default security group
Manage Rules
Displaying 1 item
192.168.43.186/dashboard/project/security_groups/create/
Type here to search
ENG
19:43
13-07-2020

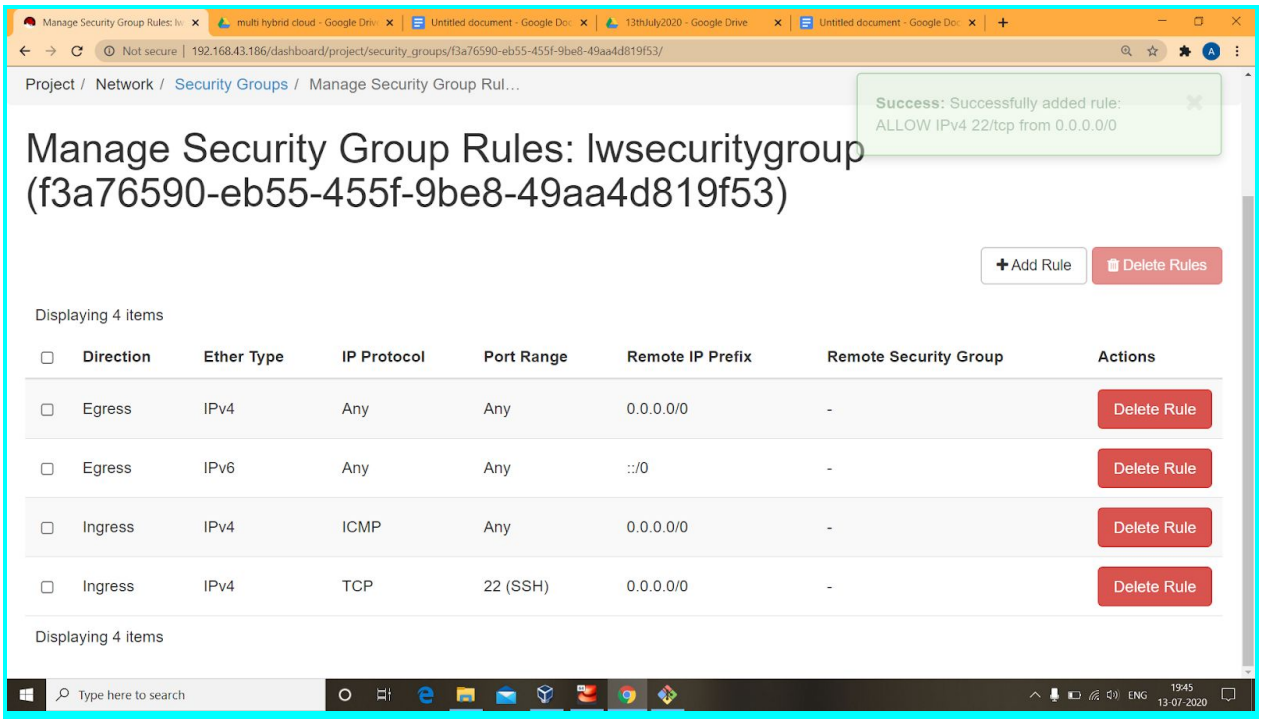

Not secure | 192.168.43.186/dashboard/project/security_groups/
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Network Topology
Project / Network /
Create Security Group
Name *
lwsecuritygroup
Description
Description:
Security groups are sets of IP filter rules that are applied to network interfaces of a VM. After the security group is created, you can add rules to the security group.
Cancel
Create Security Group
Displaying 1 item
Name
Actions
default
Manage Rules
Displaying 1 item
Type here to search
ENG
19:43
13-07-2020

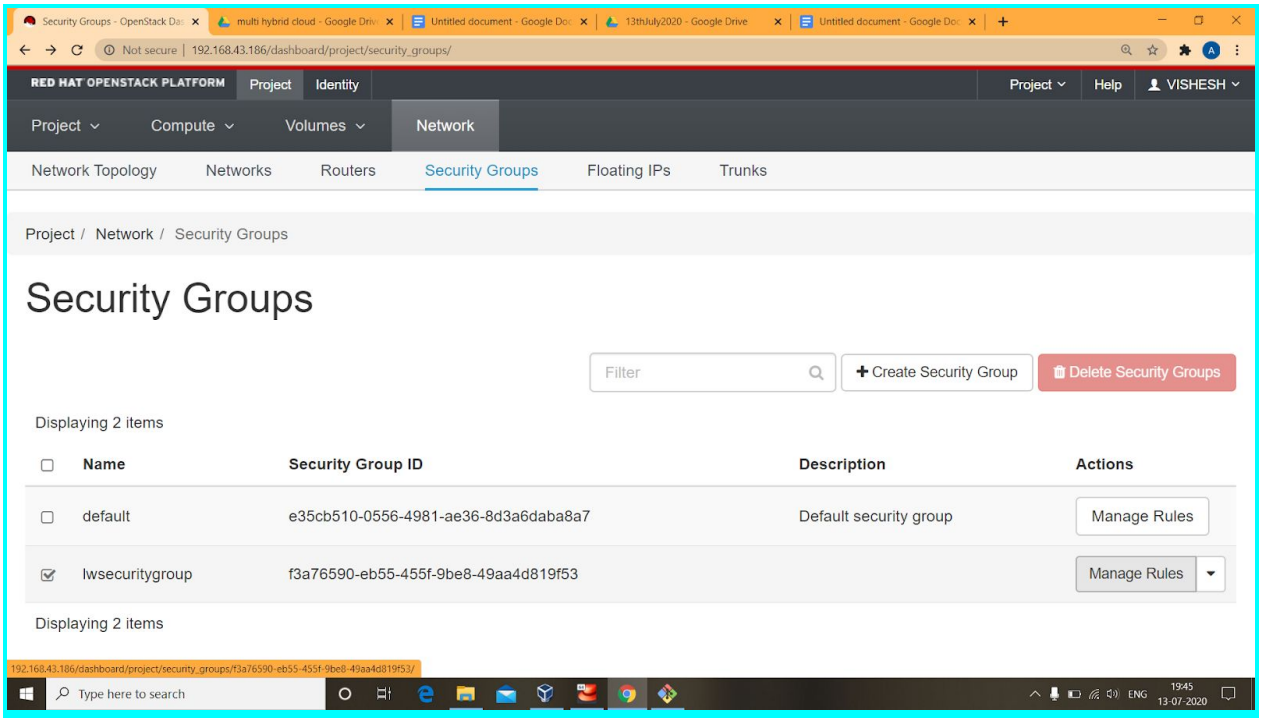

Not secure | 192.168.43.186/dashboard/project/security_groups/
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Compute
Volumes
Network
Success: Successfully created security group: lwsecuritygroup
Network Topology
Networks
Routers
Security Groups
Floating IPs
Trunks
Project / Network / Security Groups
Security Groups
Filter
+ Create Security Group
Delete Security Groups
Displaying 2 items
Name
Security Group ID
Description
Actions
default
e35cb510-0556-4981-ae36-8d3a6daba8a7
Default security group
Manage Rules
lwsecuritygroup
f3a76590-eb55-455f-9be8-49aa4d819f53
Manage Rules
Displaying 2 items
192.168.43.186/dashboard/project/security_groups/create/
Type here to search
ENG
19:43
13-07-2020

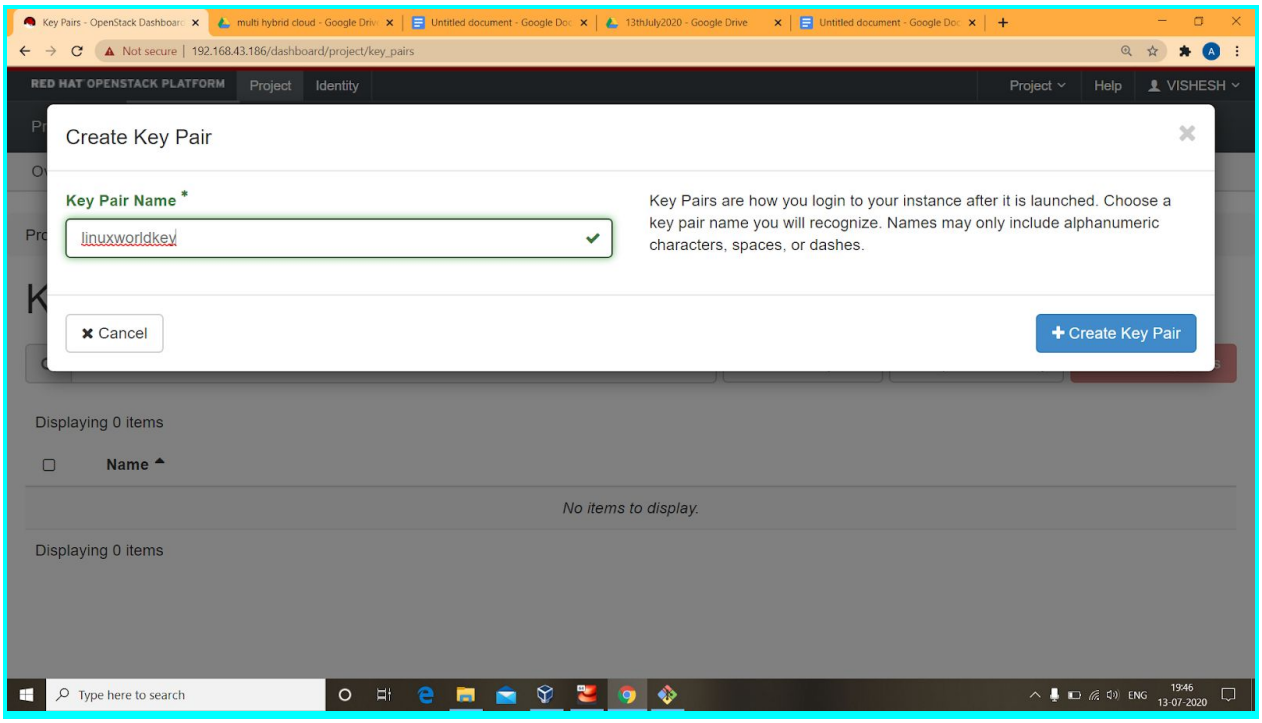

Not secure | 192.168.43.186/dashboard/project/security_groups/f3a76590-eb55-455f-9be8-49aa4d819f53/
Project
Compute
Volumes
Network
Network Topology
Networks
Routers
Security Groups
Floating IPs
Trunks
Project / Network / Security Groups / Manage Security Group Rul…
Manage Security Group Rules: lwsecuritygroup (f3a76590-eb55-455f-9be8-49aa4d819f53)
+ Add Rule
Delete Rules
Displaying 2 items
Direction
Ether Type
IP Protocol
Port Range
Remote IP Prefix
Remote Security Group
Actions
Egress
IPv4
Any
Any
0.0.0.0/0
-
Delete Rule
Egress
IPv6
Any
Any
::/0
-
Delete Rule
Displaying 2 items
Type here to search
ENG
19:44
13-07-2020

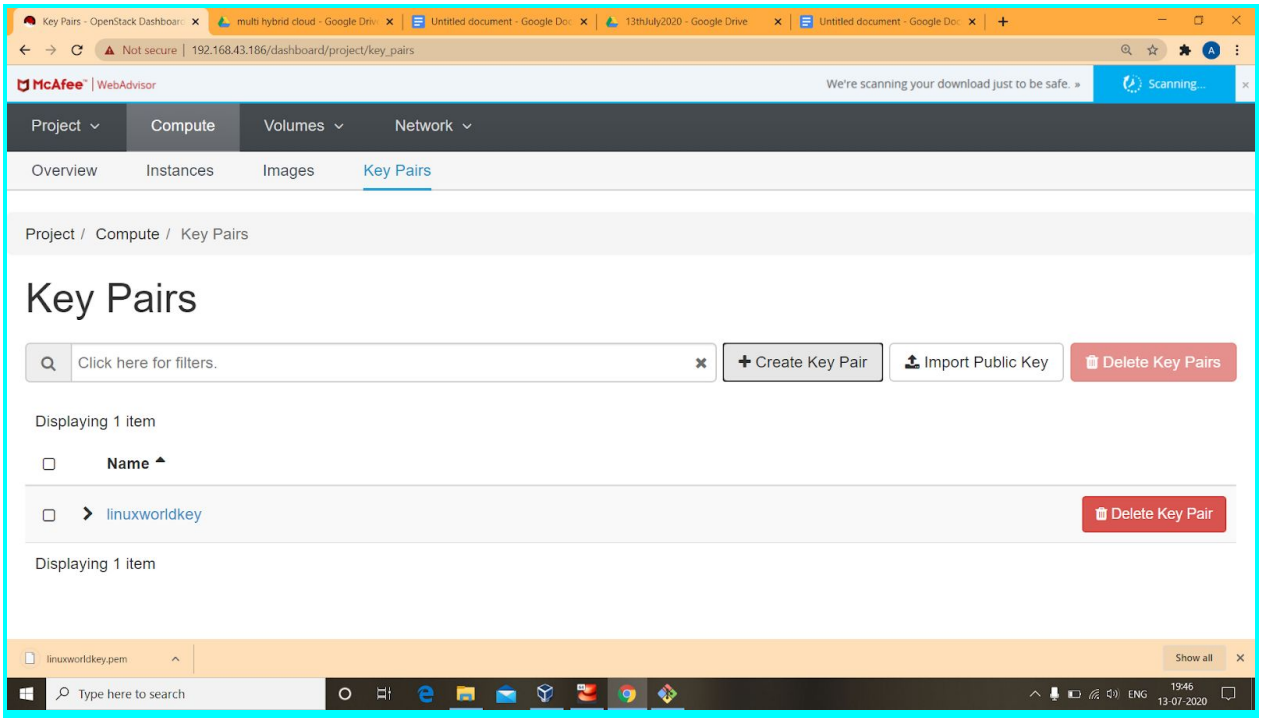

Add Rule
Rule *
ALL ICMP
Direction
Ingress
Remote *
CIDR
CIDR
0.0.0.0/0
Description:
Rules define which traffic is allowed to instances assigned to the security group. A security group rule consists of three main parts:
Rule: You can specify the desired rule template or use custom rules, the options are Custom TCP Rule, Custom UDP Rule, or Custom ICMP Rule.
Open Port/Port Range: For TCP and UDP rules you may choose to open either a single port or a range of ports. Selecting the "Port Range" option will provide you with space to provide both the starting and ending ports for the range. For ICMP rules you instead specify an ICMP type and code in the spaces provided.
Remote: You must specify the source of the traffic to be allowed via this rule. You may do so either in the form of an IP address block (CIDR) or via a source group (Security Group). Selecting a security group as the source will allow any other instance in that security group access

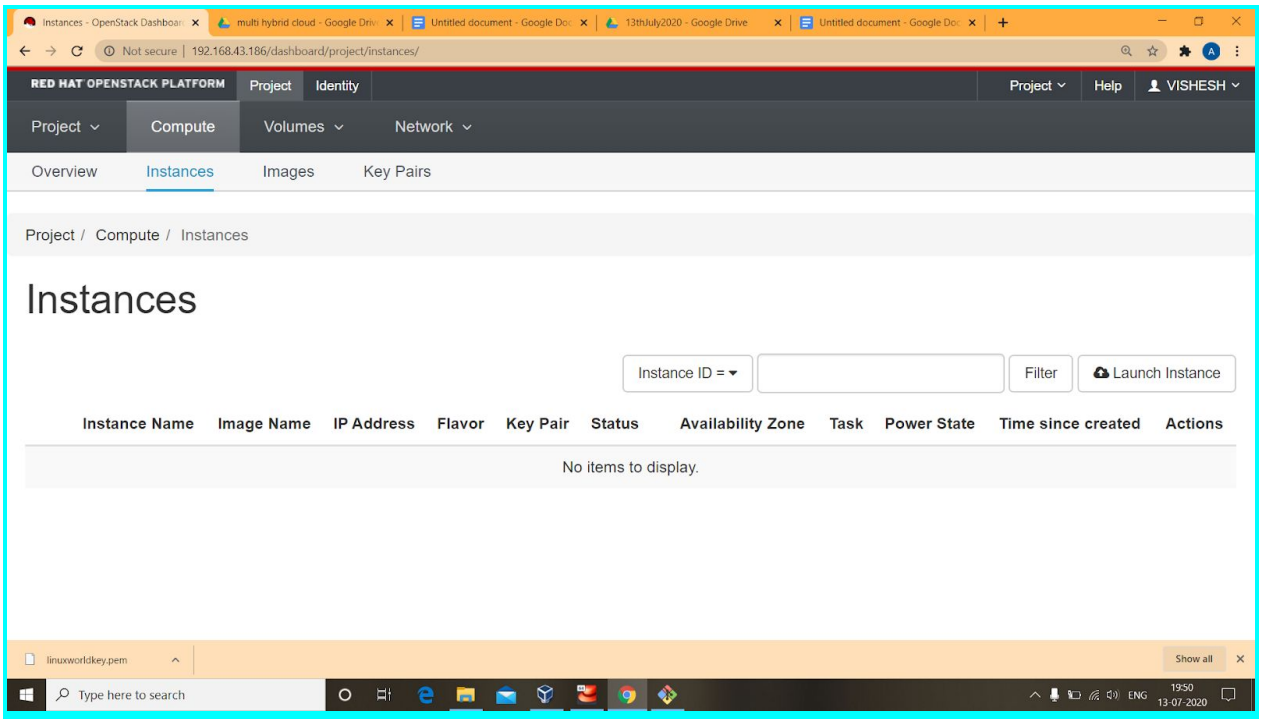

Add Rule
Rule *
SSH
Remote *
CIDR
CIDR
0.0.0.0/0
Description:
Rules define which traffic is allowed to instances assigned to the security group. A security group rule consists of three main parts:
Rule: You can specify the desired rule template or use custom rules, the options are Custom TCP Rule, Custom UDP Rule, or Custom ICMP Rule.
Open Port/Port Range: For TCP and UDP rules you may choose to open either a single port or a range of ports. Selecting the "Port Range" option will provide you with space to provide both the starting and ending ports for the range. For ICMP rules you instead specify an ICMP type and code in the spaces provided.
Remote: You must specify the source of the traffic to be allowed via this rule. You may do so either in the form of an IP address block (CIDR) or via a source group (Security Group). Selecting a security group as the source will allow any other instance in that security group access

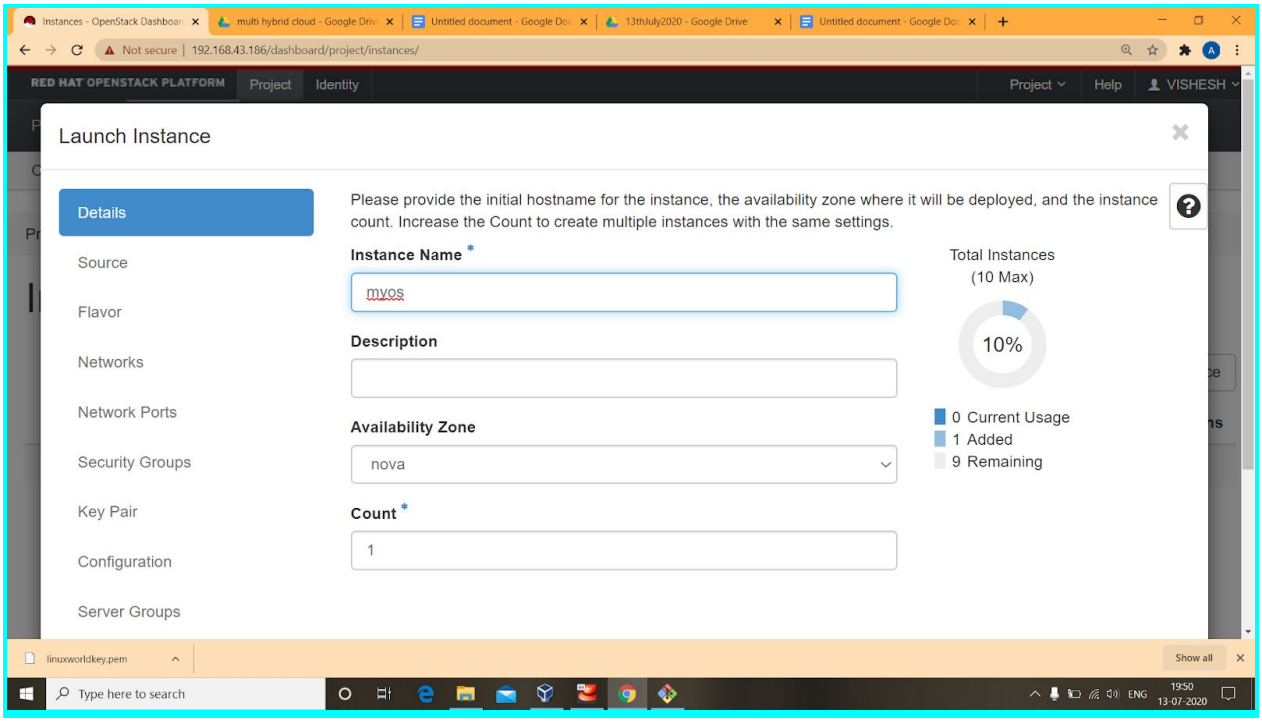

Project / Network / Security Groups / Manage Security Group Rul...
Success: Successfully added rule: ALLOW IPv4 22/tcp from 0.0.0.0/0
Manage Security Group Rules: lwsecuritygroup (f3a76590-eb55-455f-9be8-49aa4d819f53)
+ Add Rule
Delete Rules
Displaying 4 items
Direction | Ether Type | IP Protocol | Port Range | Remote IP Prefix | Remote Security Group | Actions
Egress | IPv4 | Any | Any | 0.0.0.0/0 | - | Delete Rule
Egress | IPv6 | Any | Any | ::/0 | - | Delete Rule
Ingress | IPv4 | ICMP | Any | 0.0.0.0/0 | - | Delete Rule
Ingress | IPv4 | TCP | 22 (SSH) | 0.0.0.0/0 | - | Delete Rule
Displaying 4 items

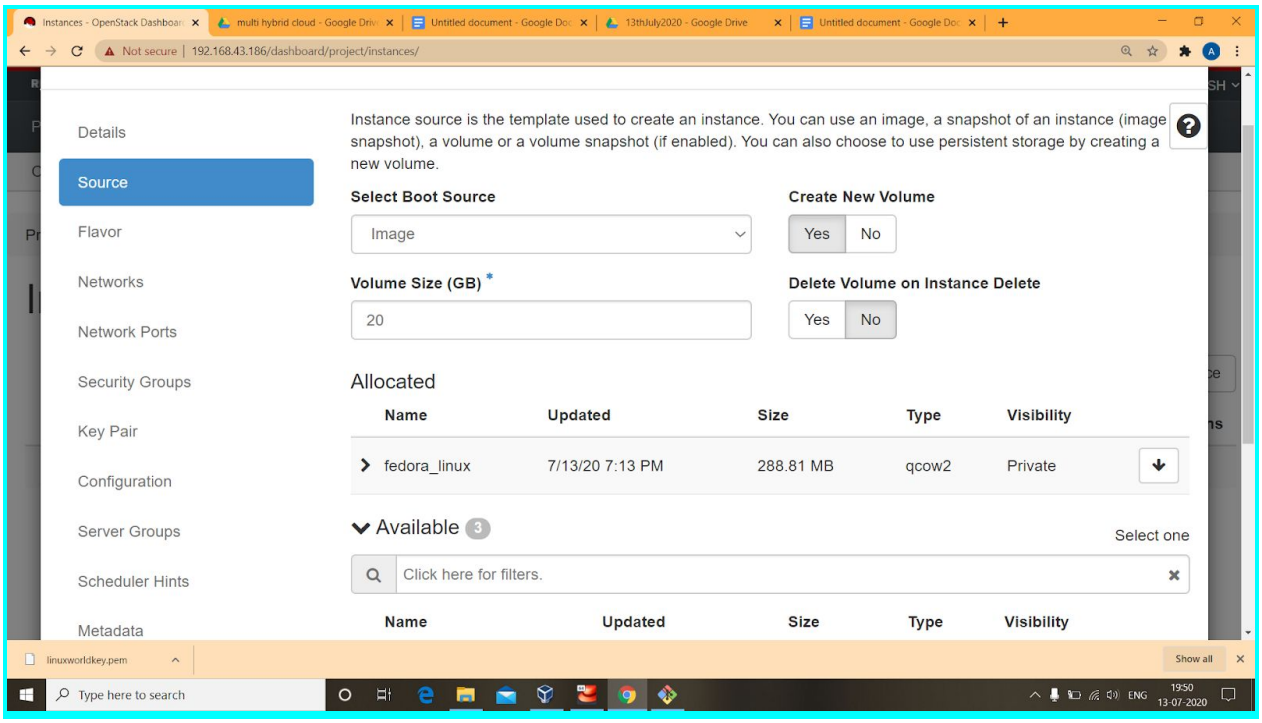

RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Project
Compute
Volumes
Network
Network Topology
Networks
Routers
Security Groups
Floating IPs
Trunks
Project / Network / Security Groups
Security Groups
Filter
+ Create Security Group
Delete Security Groups
Displaying 2 items
Name | Security Group ID | Description | Actions
default | e35cb510-0556-4981-ae36-8d3a6daba8a7 | Default security group | Manage Rules
lwsecuritygroup | f3a76590-eb55-455f-9be8-49aa4d819f53 | Manage Rules
Displaying 2 items

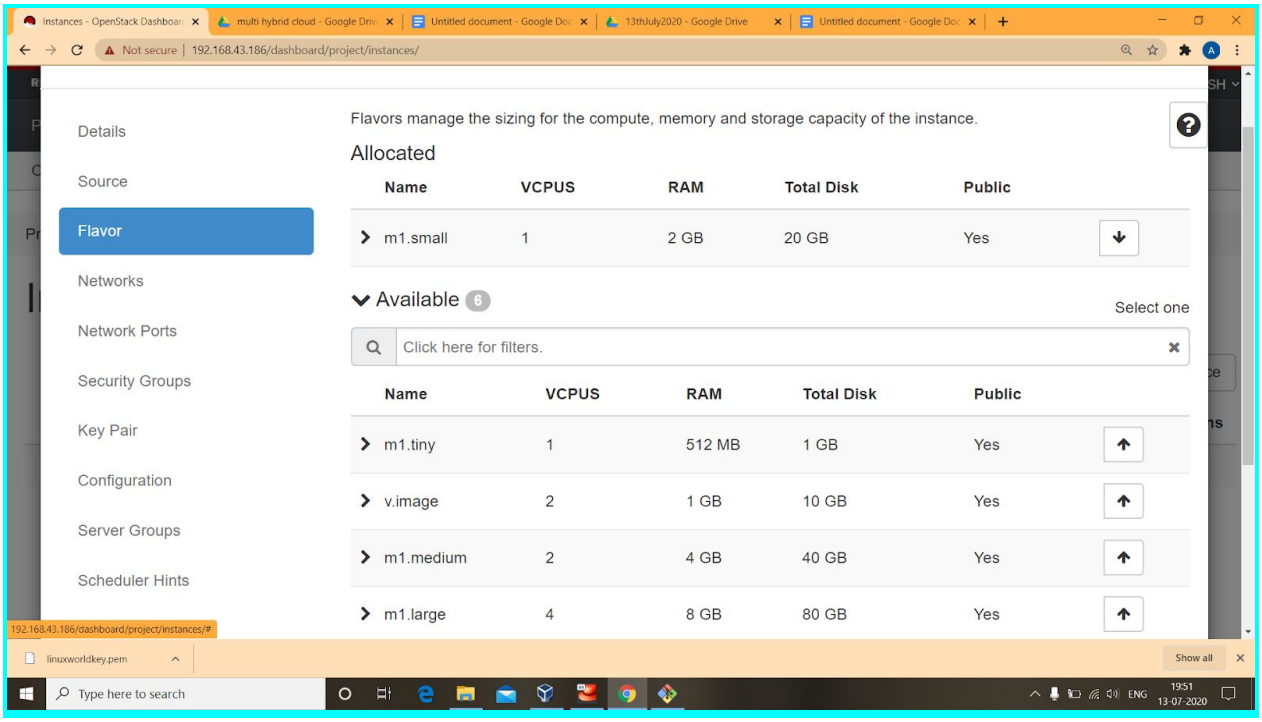

Create Key Pair
Key Pair Name *
linuxworldkey
Key Pairs are how you login to your instance after it is launched. Choose a key pair name you will recognize. Names may only include alphanumeric characters, spaces, or dashes.
Cancel
Create Key Pair
Displaying 0 items
Name
No items to display.
Displaying 0 items

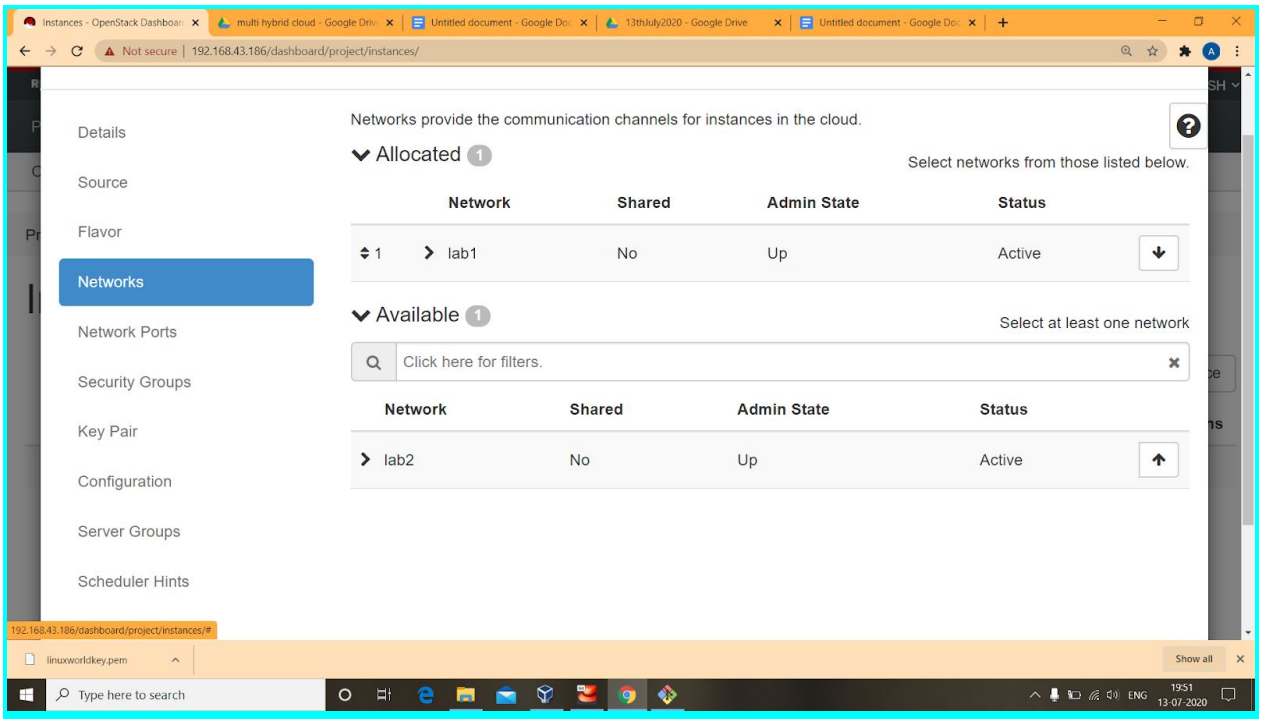

Project
Compute
Volumes
Network
Overview
Instances
Images
Key Pairs
Project / Compute / Key Pairs
Key Pairs
Click here for filters.
Create Key Pair
Import Public Key
Delete Key Pairs
Displaying 1 item
Name
linuxworldkey
Delete Key Pair
Displaying 1 item

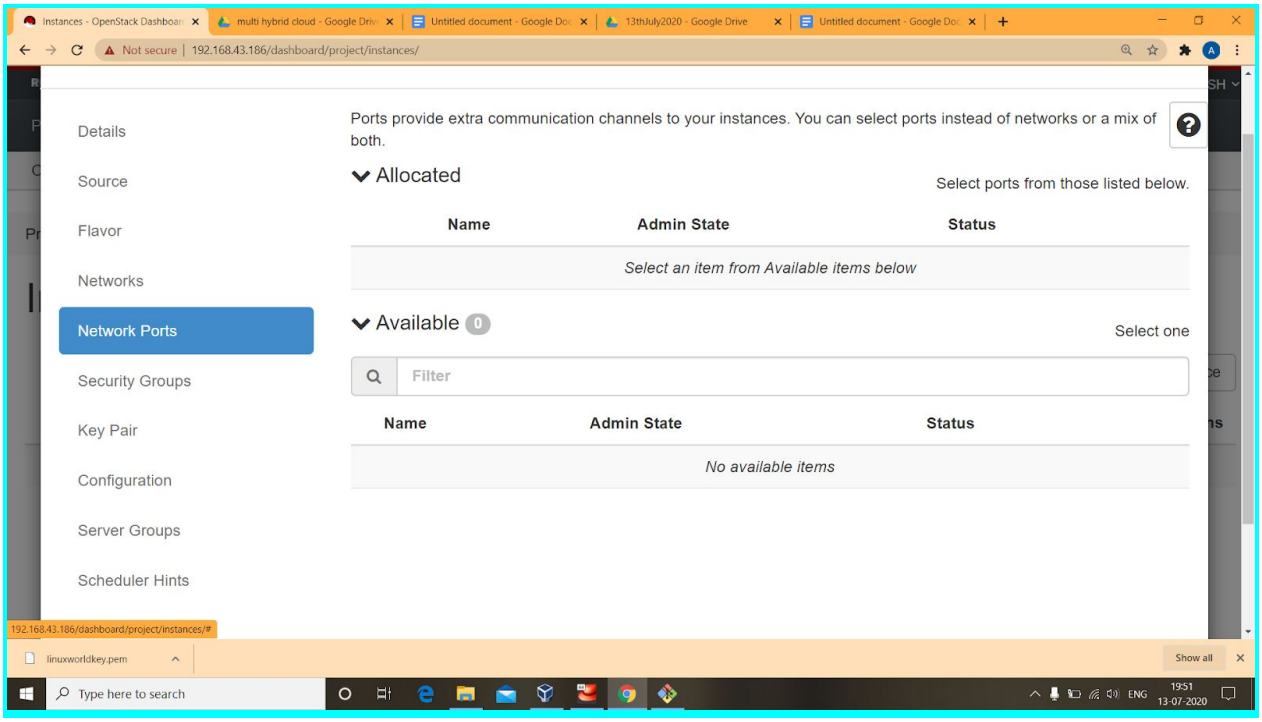

Not secure | 192.168.43.186/dashboard/project/instances/
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Project
Compute
Volumes
Network
Overview
Instances
Images
Key Pairs
Project / Compute / Instances
Instances
Instance ID =
Filter
Launch Instance
Instance Name
Image Name
IP Address
Flavor
Key Pair
Status
Availability Zone
Task
Power State
Time since created
Actions
No items to display.
linuxworldkey.pem
Show all
Type here to search
ENG
19:50
13-07-2020

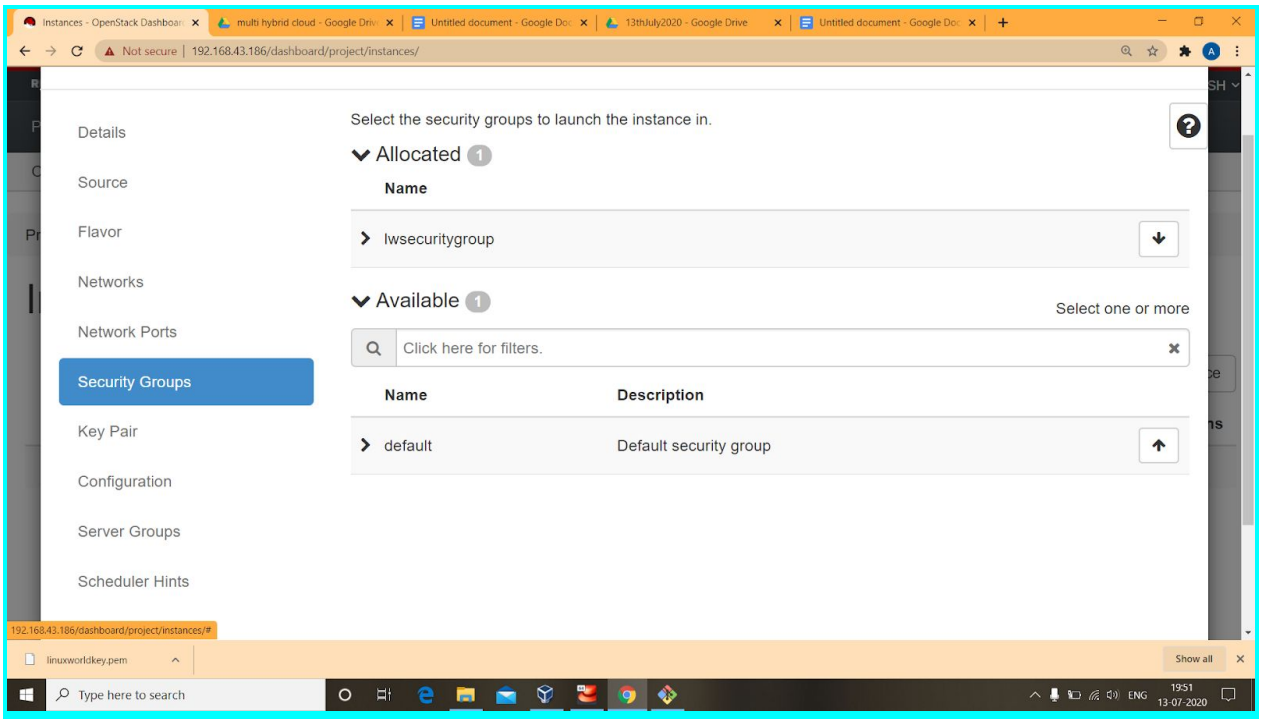

Not secure | 192.168.43.186/dashboard/project/instances/
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Launch Instance
Details
Source
Flavor
Networks
Network Ports
Security Groups
Key Pair
Configuration
Server Groups
Please provide the initial hostname for the instance, the availability zone where it will be deployed, and the instance count. Increase the Count to create multiple instances with the same settings.
Instance Name *
myos
Description
Availability Zone
nova
Count *
1
Total Instances
(10 Max)
10%
0 Current Usage
1 Added
9 Remaining
linuxworldkey.pem
Show all
Type here to search
ENG
19:50
13-07-2020

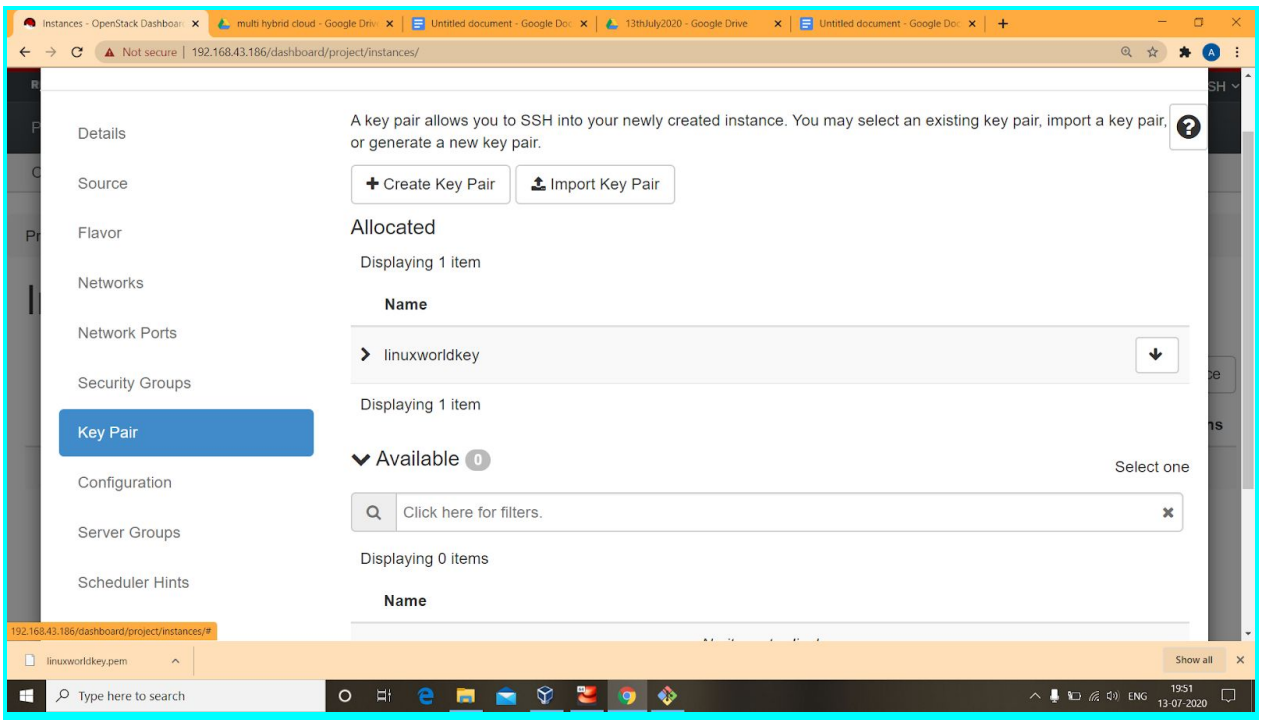

Instances - OpenStack Dashboard
multi hybrid cloud - Google Drive
Untitled document - Google Doc
13thJuly2020 - Google Drive
Untitled document - Google Doc
Not secure | 192.168.43.186/dashboard/project/instances/
Details
Source
Flavor
Networks
Network Ports
Security Groups
Key Pair
Configuration
Server Groups
Scheduler Hints
Metadata
Instance source is the template used to create an instance. You can use an image, a snapshot of an instance (image snapshot), a volume or a volume snapshot (if enabled). You can also choose to use persistent storage by creating a new volume.
Select Boot Source
Image
Create New Volume
Yes
No
Volume Size (GB) *
20
Delete Volume on Instance Delete
Yes
No
Allocated
Name
Updated
Size
Type
Visibility
fedora_linux
7/13/20 7:13 PM
288.81 MB
qcow2
Private
Available 3
Select one
Click here for filters.
Name
Updated
Size
Type
Visibility
linuxworldkey.pem
Show all
Type here to search
ENG
19:50
13-07-2020

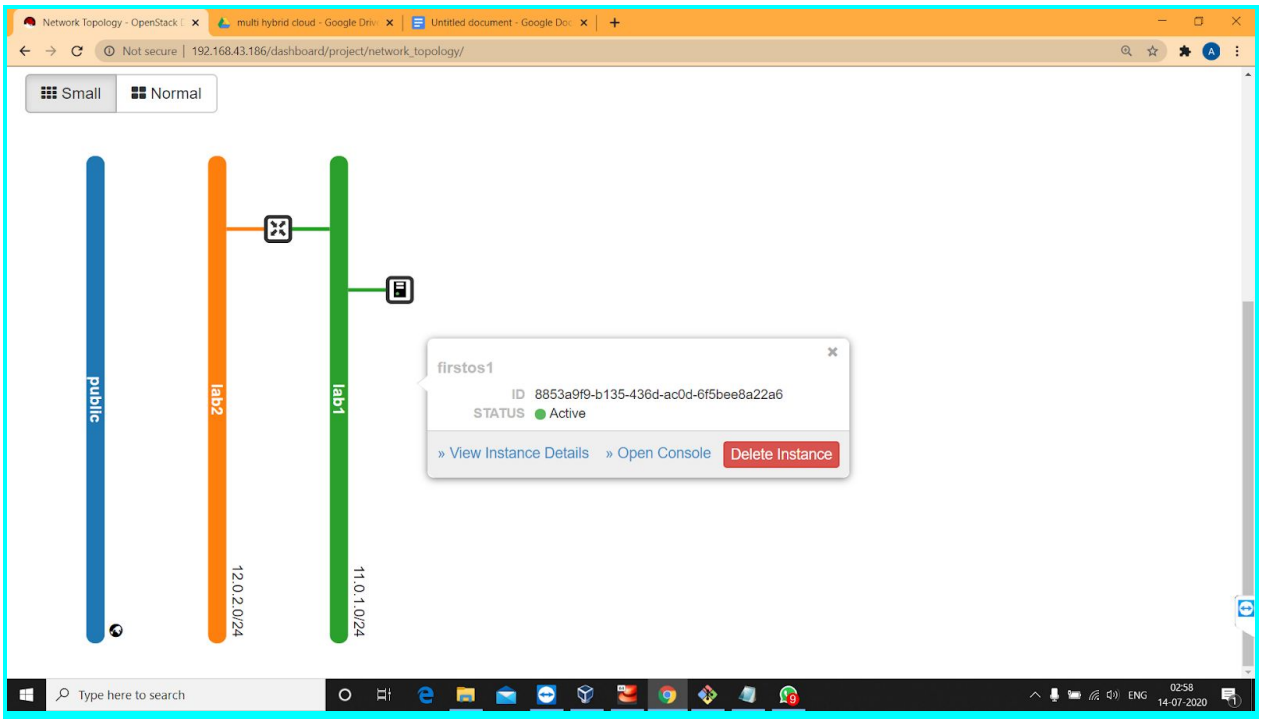

Instances - OpenStack Dashboard
multi hybrid cloud - Google Drive
Untitled document - Google Doc
13thJuly2020 - Google Drive
Untitled document - Google Doc
Not secure | 192.168.43.186/dashboard/project/instances/
Details
Source
Flavor
Networks
Network Ports
Security Groups
Key Pair
Configuration
Server Groups
Scheduler Hints
Flavors manage the sizing for the compute, memory and storage capacity of the instance.
Allocated
Name
VCPUS
RAM
Total Disk
Public
m1.small
1
2 GB
20 GB
Yes
Available 6
Select one
Click here for filters.
Name
VCPUS
RAM
Total Disk
Public
m1.tiny
1
512 MB
1 GB
Yes
v.image
2
1 GB
10 GB
Yes
m1.medium
2
4 GB
40 GB
Yes
m1.large
4
8 GB
80 GB
Yes
192.168.43.186/dashboard/project/instances/#
linuxworldkey.pem
Show all
Type here to search
ENG
19:51
13-07-2020


Not secure | 192.168.43.186/dashboard/project/instances/
Details
Source
Flavor
Networks
Network Ports
Security Groups
Key Pair
Configuration
Server Groups
Scheduler Hints
Networks provide the communication channels for instances in the cloud.
Allocated 1
Select networks from those listed below.
Network
Shared
Admin State
Status
1
lab1
No
Up
Active
Available 1
Select at least one network
Click here for filters.
Network
Shared
Admin State
Status
lab2
No
Up
Active
192.168.43.186/dashboard/project/instances/#
linuxworldkey.pem
Show all
Type here to search
ENG
19:51
13-07-2020


Not secure | 192.168.43.186/dashboard/project/instances/
Details
Source
Flavor
Networks
Network Ports
Security Groups
Key Pair
Configuration
Server Groups
Scheduler Hints
Ports provide extra communication channels to your instances. You can select ports instead of networks or a mix of both.
Allocated
Select ports from those listed below.
Name
Admin State
Status
Select an item from Available items below
Available 0
Select one
Filter
Name
Admin State
Status
No available items
192.168.43.186/dashboard/project/instances/#
linuxworldkey.pem
Show all
Type here to search
ENG
19:51
13-07-2020


Not secure | 192.168.43.186/dashboard/project/instances/
Details
Source
Flavor
Networks
Network Ports
Security Groups
Key Pair
Configuration
Server Groups
Scheduler Hints
Select the security groups to launch the instance in.
Allocated 1
Name
lwsecuritygroup
Available 1
Select one or more
Click here for filters.
Name
Description
default
Default security group
192.168.43.186/dashboard/project/instances/#
linuxworldkey.pem
Show all
Type here to search
ENG
19:51
13-07-2020

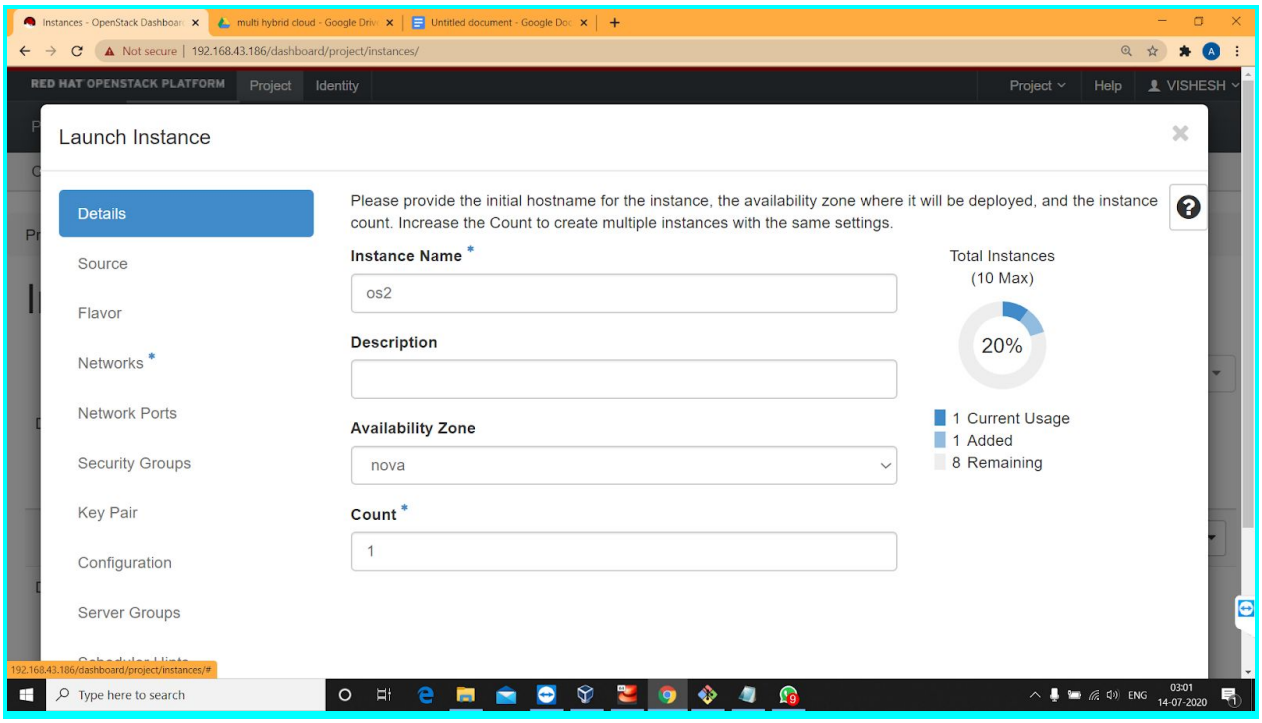

Not secure | 192.168.43.186/dashboard/project/instances/
Details
Source
Flavor
Networks
Network Ports
Security Groups
Key Pair
Configuration
Server Groups
Scheduler Hints
A key pair allows you to SSH into your newly created instance. You may select an existing key pair, import a key pair, or generate a new key pair.
+ Create Key Pair
Import Key Pair
Allocated
Displaying 1 item
Name
linuxworldkey
Displaying 1 item
Available 0
Select one
Click here for filters.
Displaying 0 items
Name
192.168.43.186/dashboard/project/instances/#
linuxworldkey.pem
Show all
Type here to search
ENG
19:51
13-07-2020

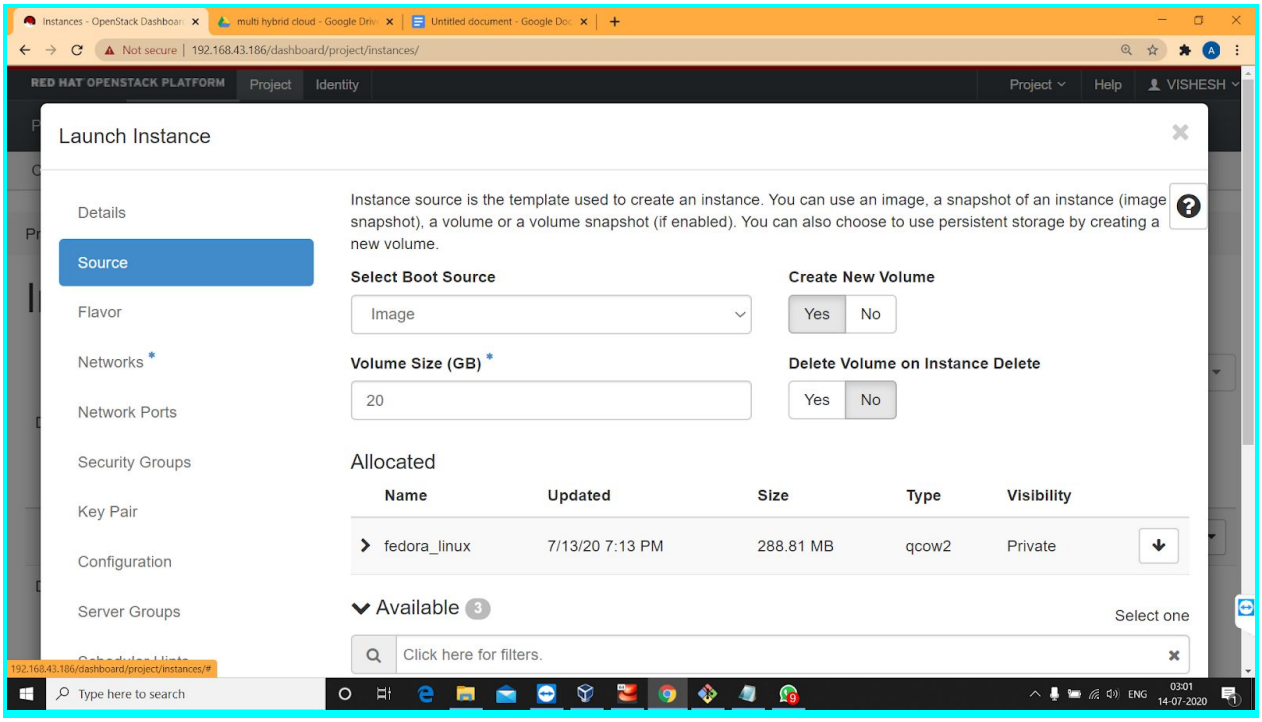


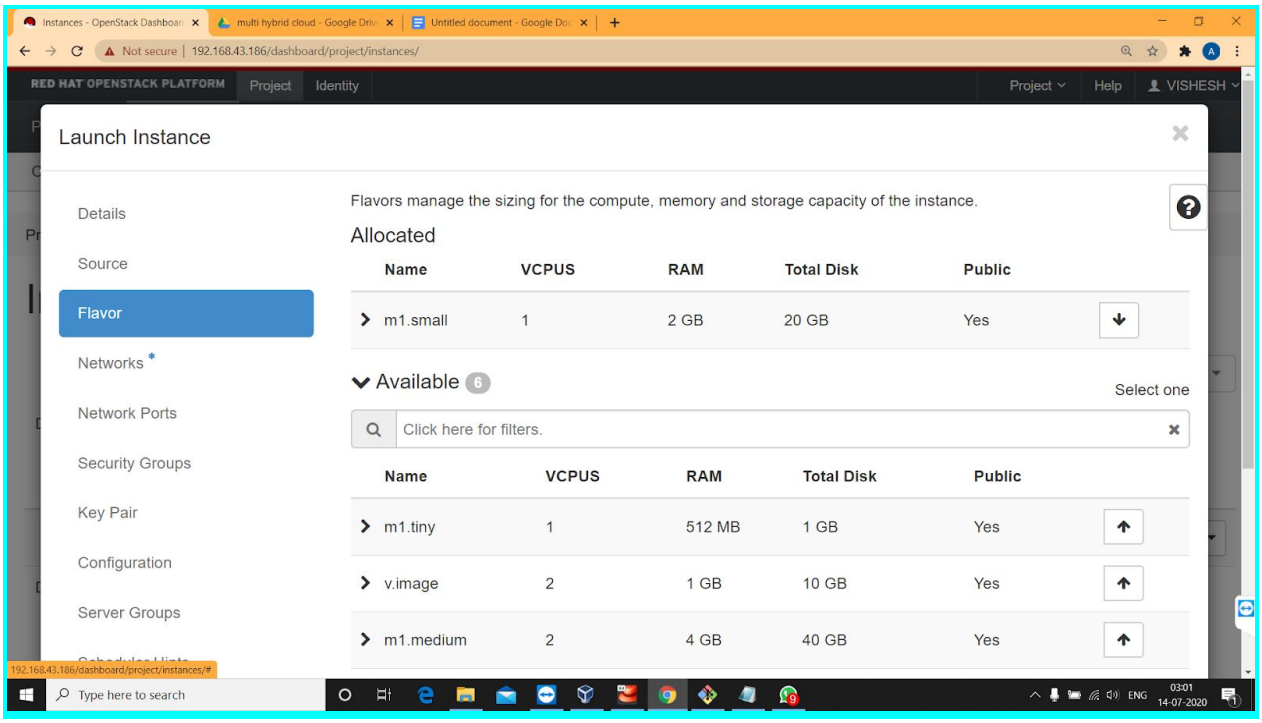

```
[root@openstack ~(keystone_i m vishesh)]# ovs-vsctl show
0c0552b8-e81b-4ef4-bc3a-0b2eaac6e011
    Manager "ptcp:6640:127.0.0.1"
        is_connected: true
    Bridge br-tun
        Controller "tcp:127.0.0.1:6633"
            is_connected: true
        fail_mode: secure
        Port patch-int
            Interface patch-int
                type: patch
                options: {peer=patch-tun}
        Port br-tun
            Interface br-tun
                type: internal
    Bridge br-int
        Controller "tcp:127.0.0.1:6633"
            is_connected: true
        fail_mode: secure
        Port "qr-e2146d45-72"
            tag: 2
            Interface "qr-e2146d45-72"
```

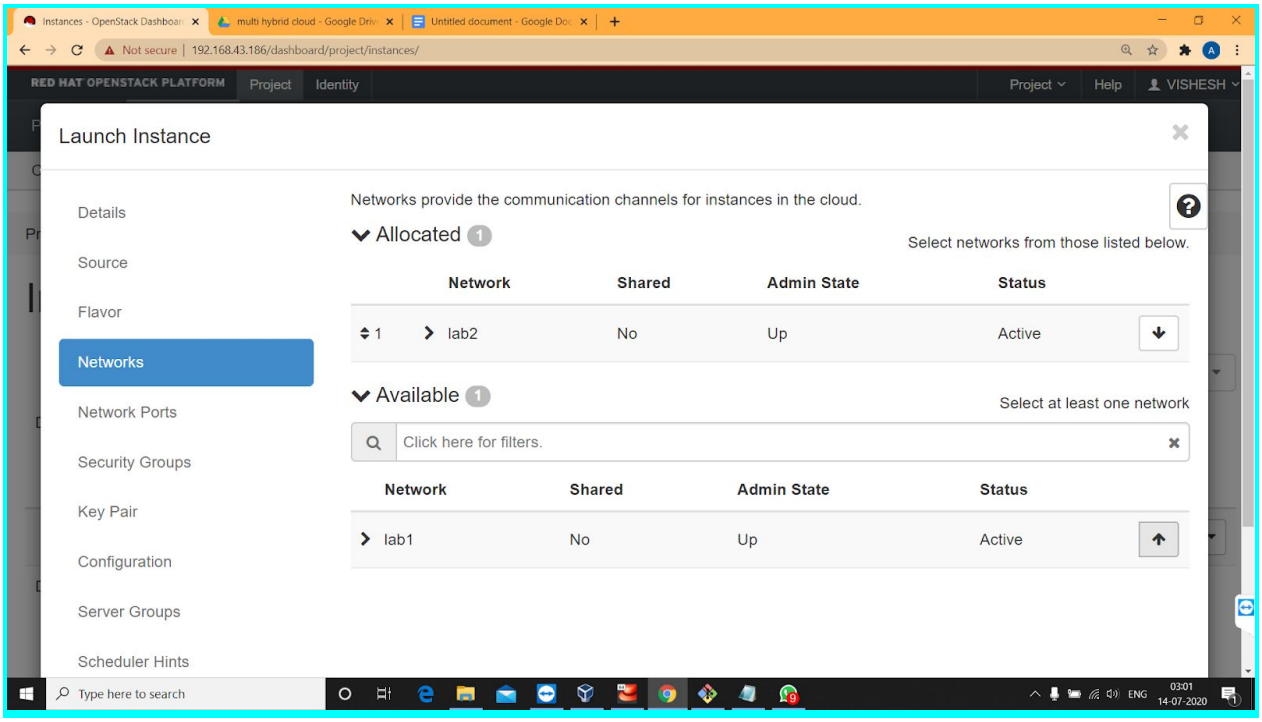
```
            type: internal
        Port "tap8e675b87-e9"
            tag: 1
            Interface "tap8e675b87-e9"
                type: internal
        Port "qr-ac5c441c-0d"
            tag: 4
            Interface "qr-ac5c441c-0d"
                type: internal
        Port "qg-a817bfa5-d4"
            tag: 3
            Interface "qg-a817bfa5-d4"
                type: internal
        Port "tapb80a1a81-b9"
            tag: 4
            Interface "tapb80a1a81-b9"
                type: internal
        Port "qr-7cb3fe1e-93"
            tag: 1
            Interface "qr-7cb3fe1e-93"
                type: internal
        Port br-int
            Interface br-int
                type: internal
        Port "tap298f262b-3d"
            tag: 2
            Interface "tap298f262b-3d"
                type: internal
        Port patch-tun
            Interface patch-tun
                type: patch
                options: {peer=patch-int}
        Port "qvo8ab0a2d8-c4"
            tag: 1
            Interface "qvo8ab0a2d8-c4"
        Port int-br-ex
            Interface int-br-ex
                type: patch
                options: {peer=phy-br-ex}
```

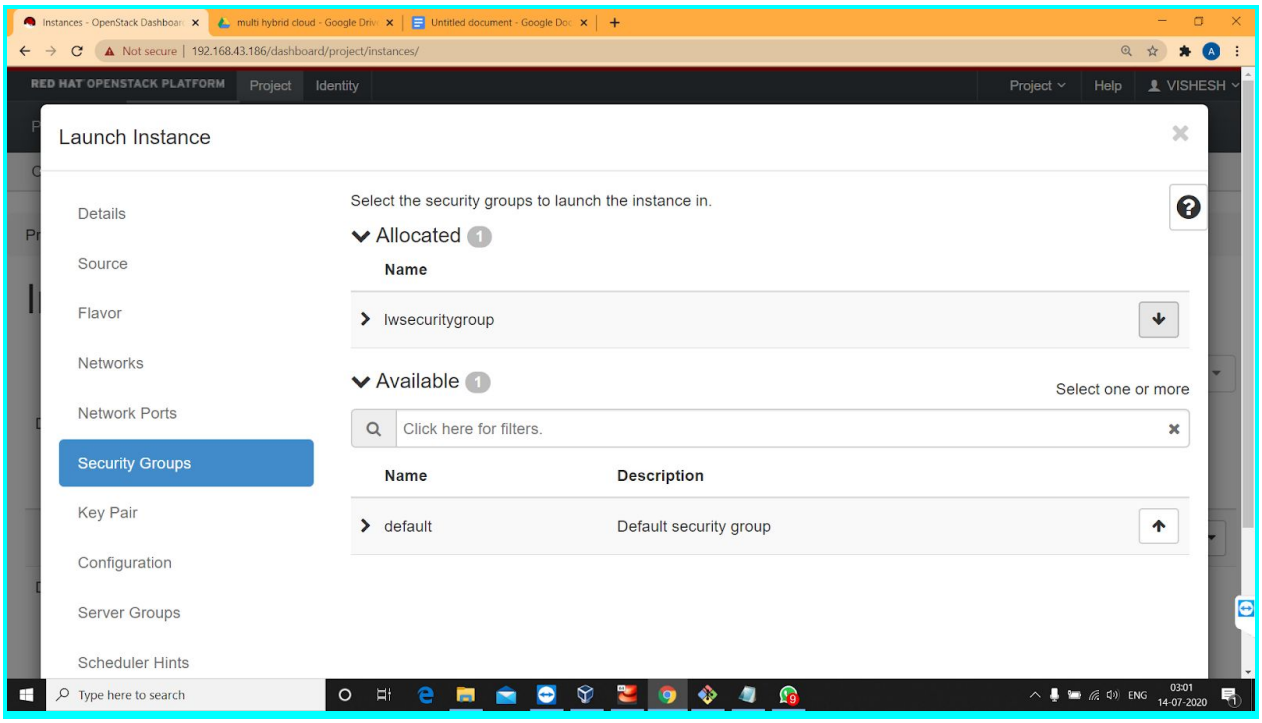
```
    Bridge br-ex
        Controller "tcp:127.0.0.1:6633"
            is_connected: true
        fail_mode: secure
        Port br-ex
            Interface br-ex
                type: internal
        Port phy-br-ex
            Interface phy-br-ex
                type: patch
                options: {peer=int-br-ex}
    ovs_version: "2.9.0"
```

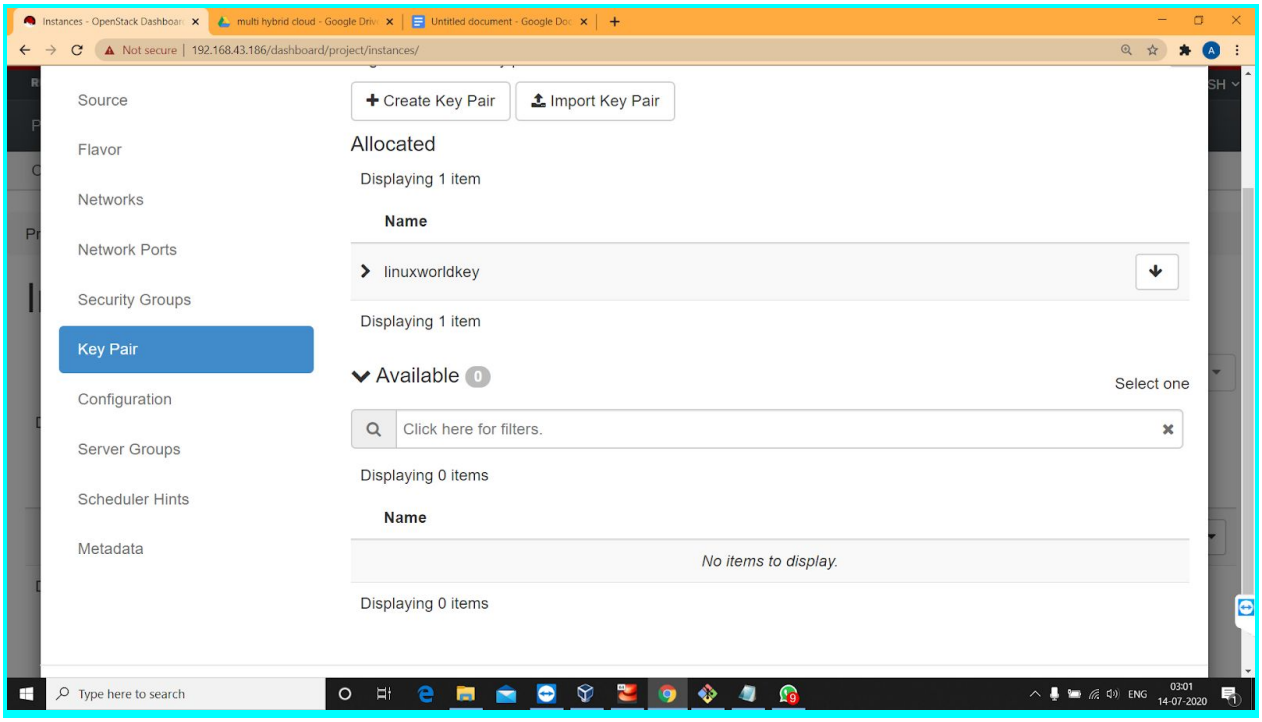

Launch Instance
Details
Source
Flavor
Networks *
Network Ports
Security Groups
Key Pair
Configuration
Server Groups
Please provide the initial hostname for the instance, the availability zone where it will be deployed, and the instance count. Increase the Count to create multiple instances with the same settings.
Instance Name *
os2
Description
Availability Zone
nova
Count *
1
Total Instances
(10 Max)
20%
1 Current Usage
1 Added
8 Remaining

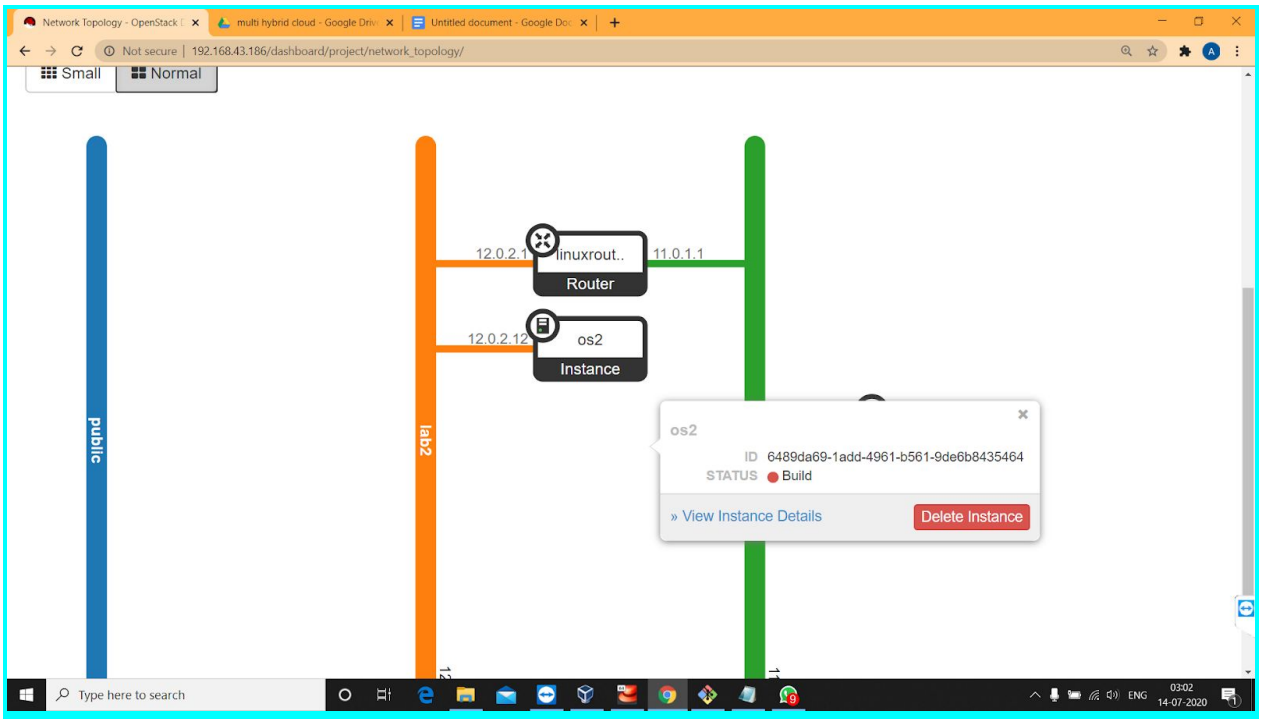

Launch Instance
Details
Source
Flavor
Networks *
Network Ports
Security Groups
Key Pair
Configuration
Server Groups
Instance source is the template used to create an instance. You can use an image, a snapshot of an instance (image snapshot), a volume or a volume snapshot (if enabled). You can also choose to use persistent storage by creating a new volume.
Select Boot Source
Image
Create New Volume
Yes
No
Volume Size (GB) *
20
Delete Volume on Instance Delete
Yes
No
Allocated
Name
Updated
Size
Type
Visibility
fedora_linux
7/13/20 7:13 PM
288.81 MB
qcow2
Private
Available 3
Select one
Click here for filters.

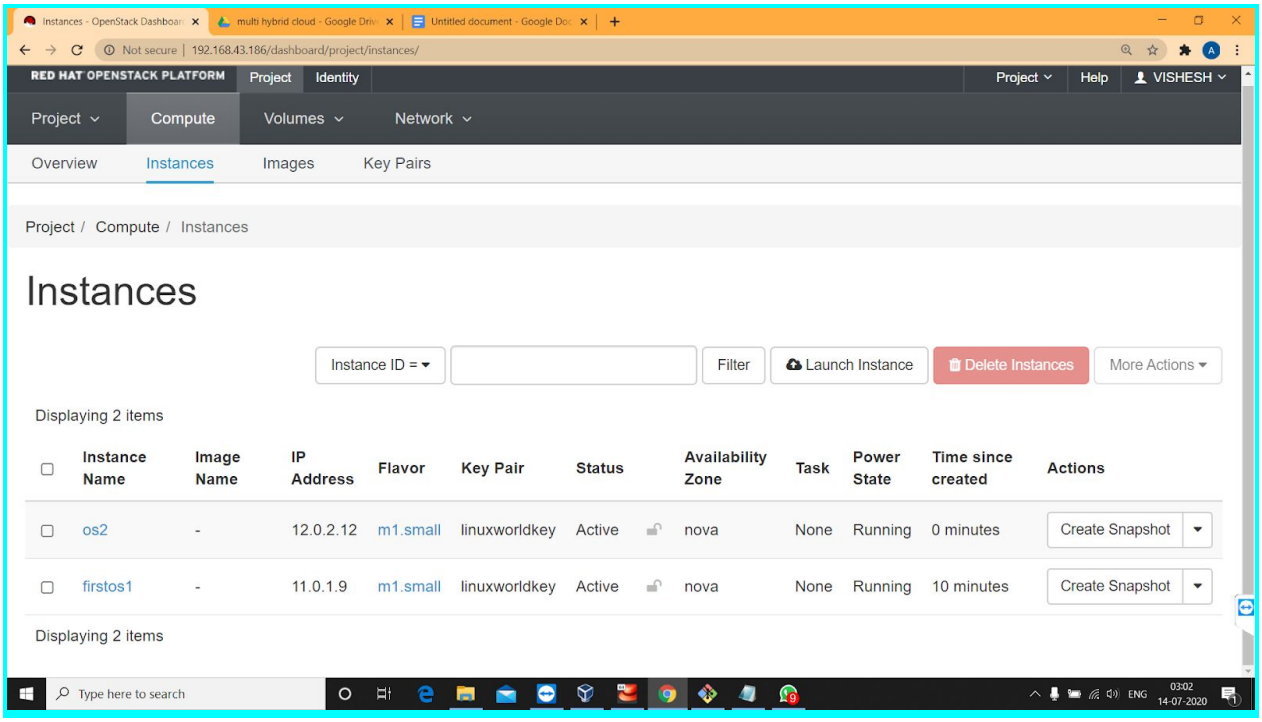

Launch Instance
Details
Source
Flavor
Networks *
Network Ports
Security Groups
Key Pair
Configuration
Server Groups
Flavors manage the sizing for the compute, memory and storage capacity of the instance.
Allocated
Name VCPUS RAM Total Disk Public
m1.small 1 2 GB 20 GB Yes
Available 6
Select one
Click here for filters.
Name VCPUS RAM Total Disk Public
m1.tiny 1 512 MB 1 GB Yes
v.image 2 1 GB 10 GB Yes
m1.medium 2 4 GB 40 GB Yes

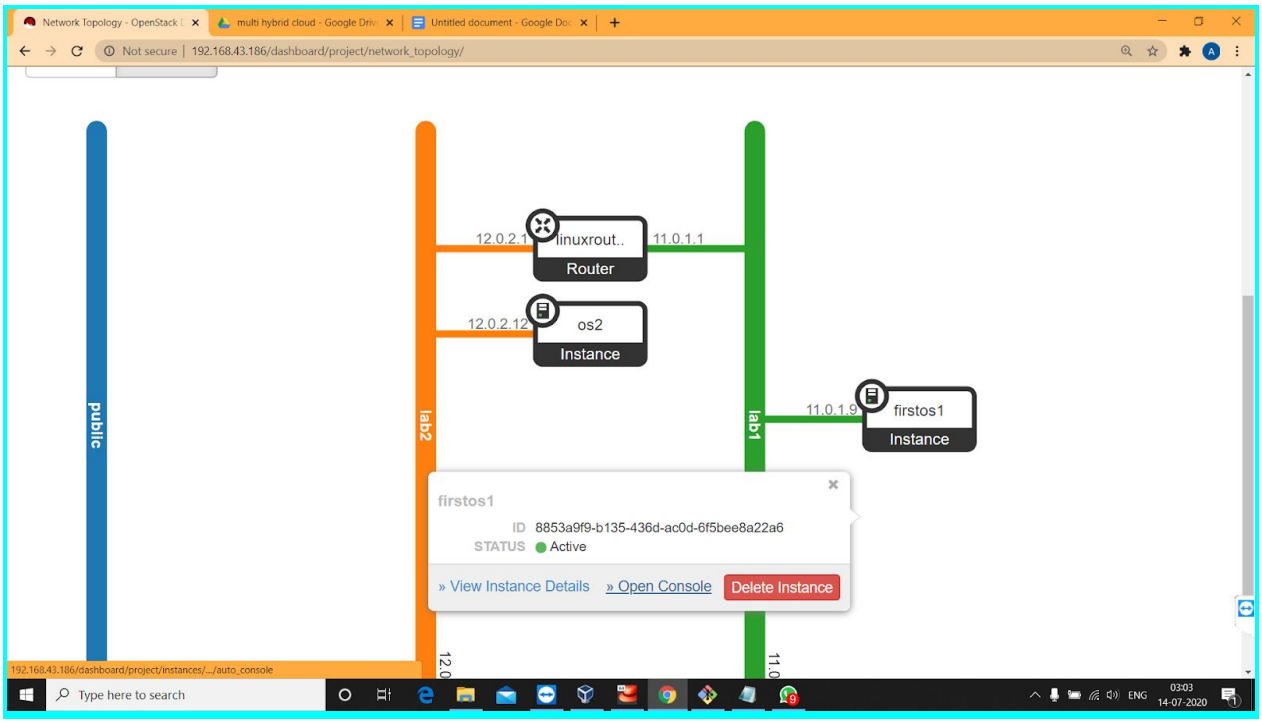

Launch Instance
Details
Source
Flavor
Networks
Network Ports
Security Groups
Key Pair
Configuration
Server Groups
Scheduler Hints
Networks provide the communication channels for instances in the cloud.
Allocated 1
Select networks from those listed below.
Network Shared Admin State Status
1 lab2 No Up Active
Available 1
Select at least one network
Click here for filters.
Network Shared Admin State Status
lab1 No Up Active


Launch Instance
Details
Source
Flavor
Networks
Network Ports
Security Groups
Key Pair
Configuration
Server Groups
Scheduler Hints
Select the security groups to launch the instance in.
Allocated 1
Name
lwsecuritygroup
Available 1
Select one or more
Click here for filters.
Name
Description
default
Default security group

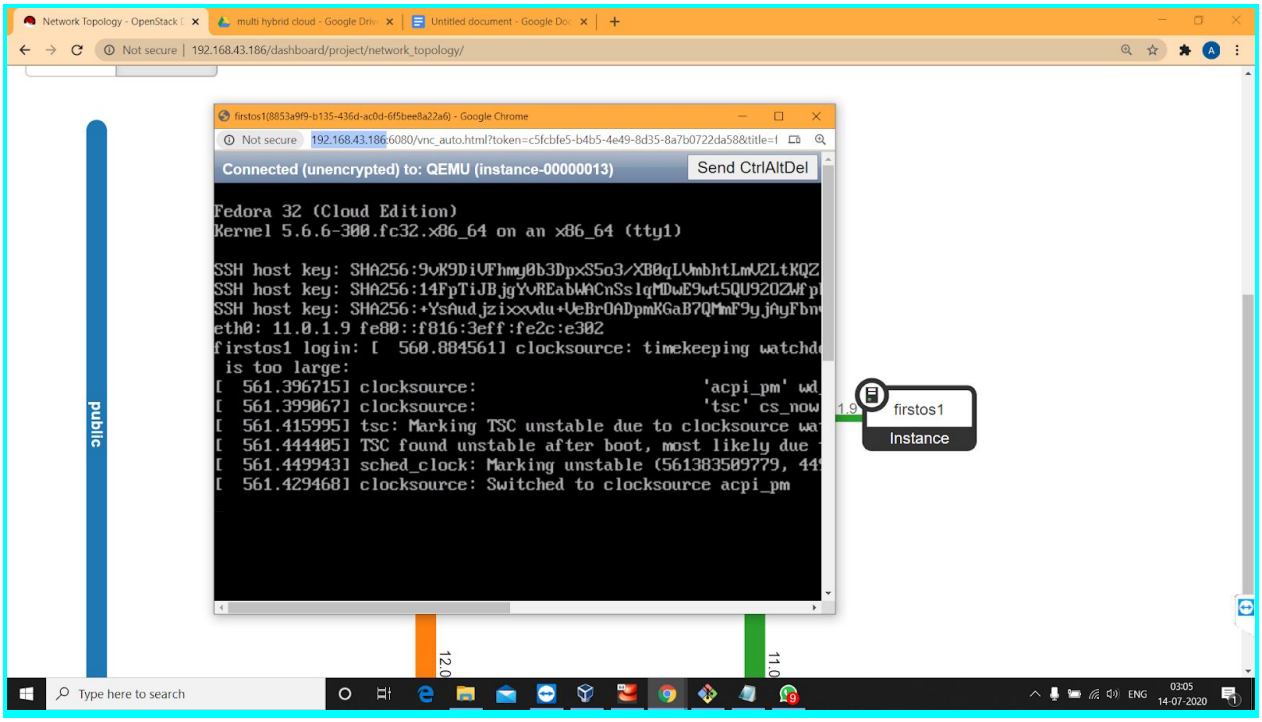

Source
Flavor
Networks
Network Ports
Security Groups
Key Pair
Configuration
Server Groups
Scheduler Hints
Metadata
Create Key Pair
Import Key Pair
Allocated
Displaying 1 item
Name
linuxworldkey
Displaying 1 item
Available 0
Select one
Click here for filters.
Displaying 0 items
Name
No items to display.
Displaying 0 items

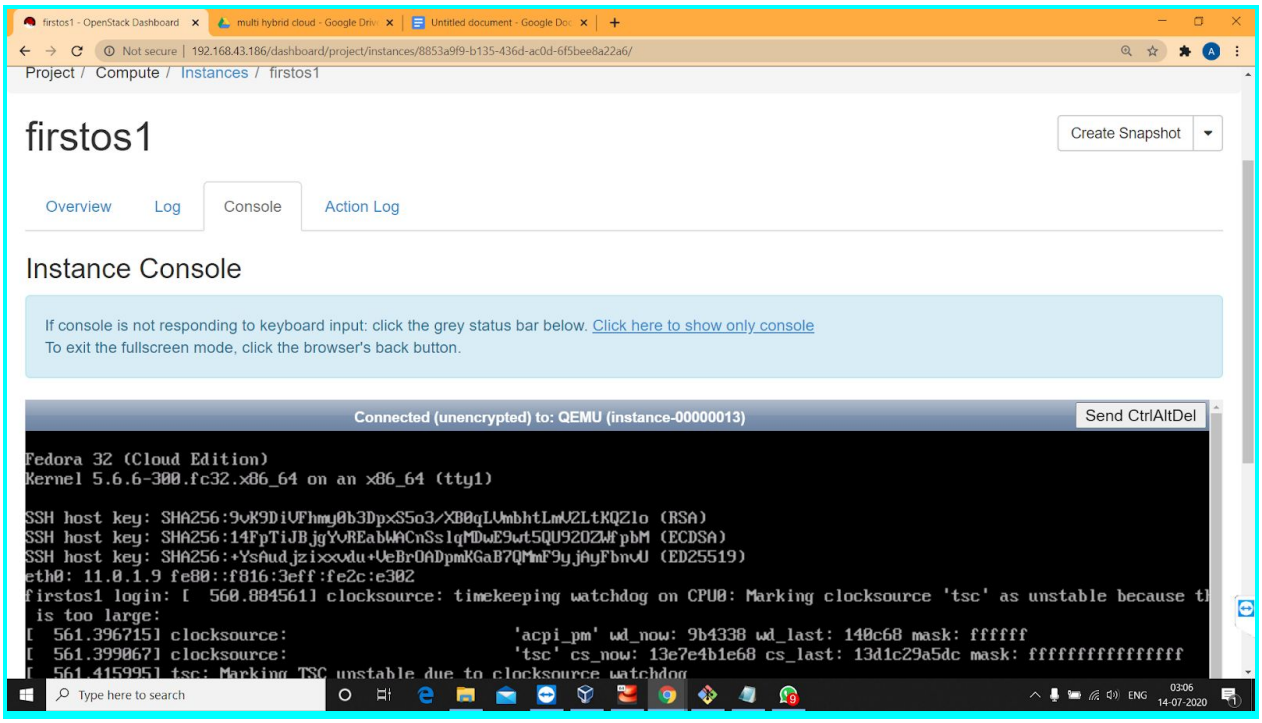

Network Topology - OpenStack
multi hybrid cloud - Google Drive
Untitled document - Google Doc
Not secure | 192.168.43.186/dashboard/project/network_topology/
Small
Normal
public
lab2
12.0.2.1
linuxrout..
Router
11.0.1.1
12.0.2.12
os2
Instance
os2
ID 6489da69-1add-4961-b561-9de6b8435464
STATUS Build
» View Instance Details
Delete Instance
Type here to search
ENG
03:02
14-07-2020

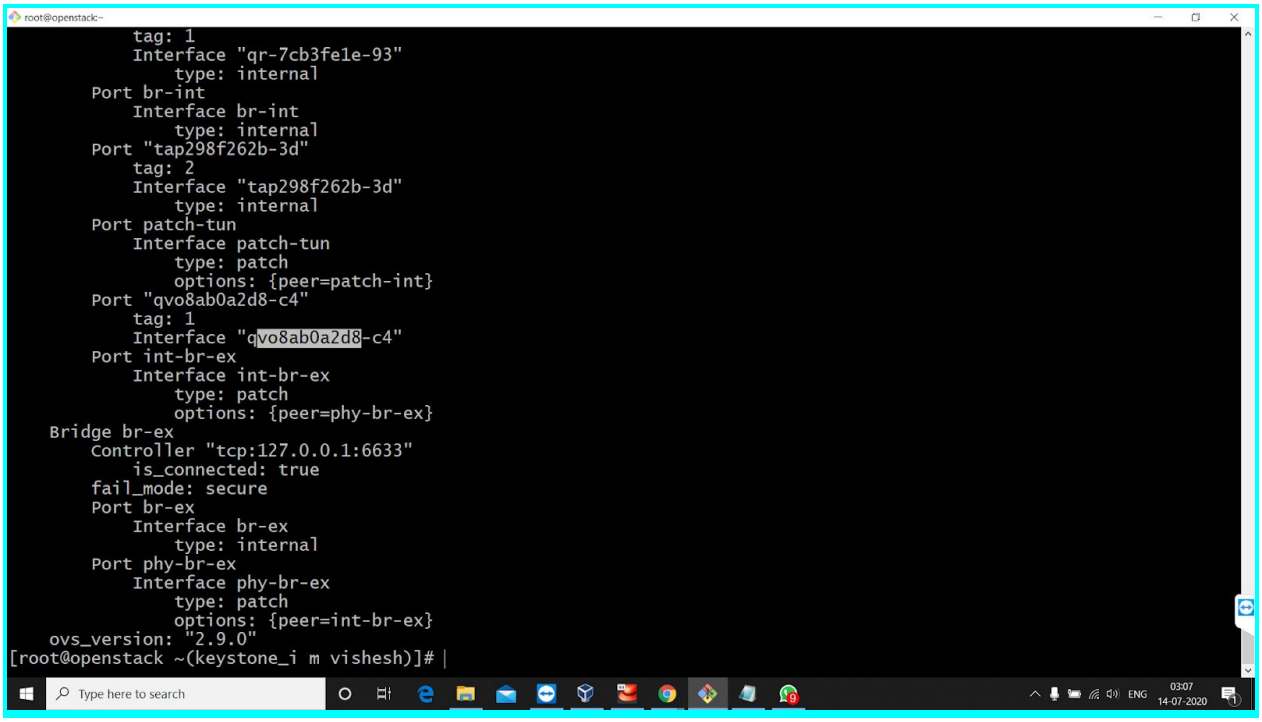

Instances - OpenStack Dashboard
multi hybrid cloud - Google Drive
Untitled document - Google Doc
Not secure | 192.168.43.186/dashboard/project/instances/
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
VISHESH
Project
Compute
Volumes
Network
Overview
Instances
Images
Key Pairs
Project / Compute / Instances
Instances
Instance ID =
Filter
Launch Instance
Delete Instances
More Actions
Displaying 2 items
Instance Name
Image Name
IP Address
Flavor
Key Pair
Status
Availability Zone
Task
Power State
Time since created
Actions
os2
-
12.0.2.12
m1.small
linuxworldkey
Active
nova
None
Running
0 minutes
Create Snapshot
firstos1
-
11.0.1.9
m1.small
linuxworldkey
Active
nova
None
Running
10 minutes
Create Snapshot
Displaying 2 items
Type here to search
ENG
03:02
14-07-2020

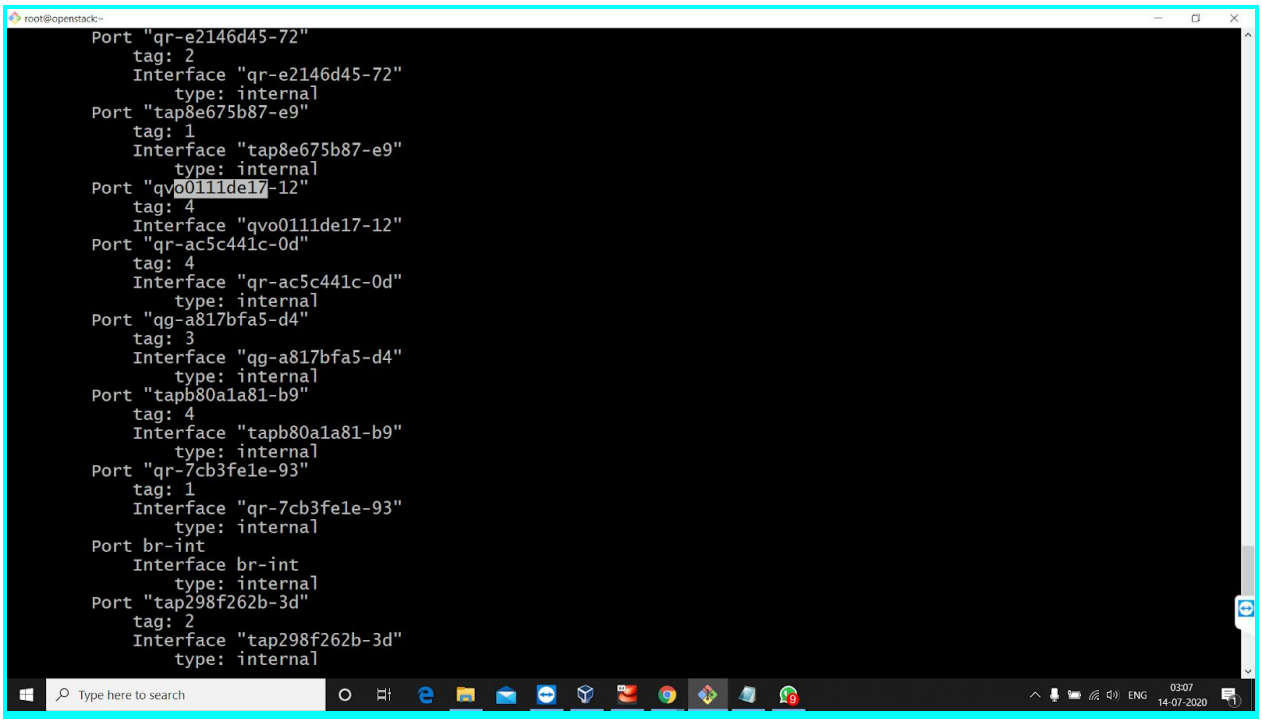


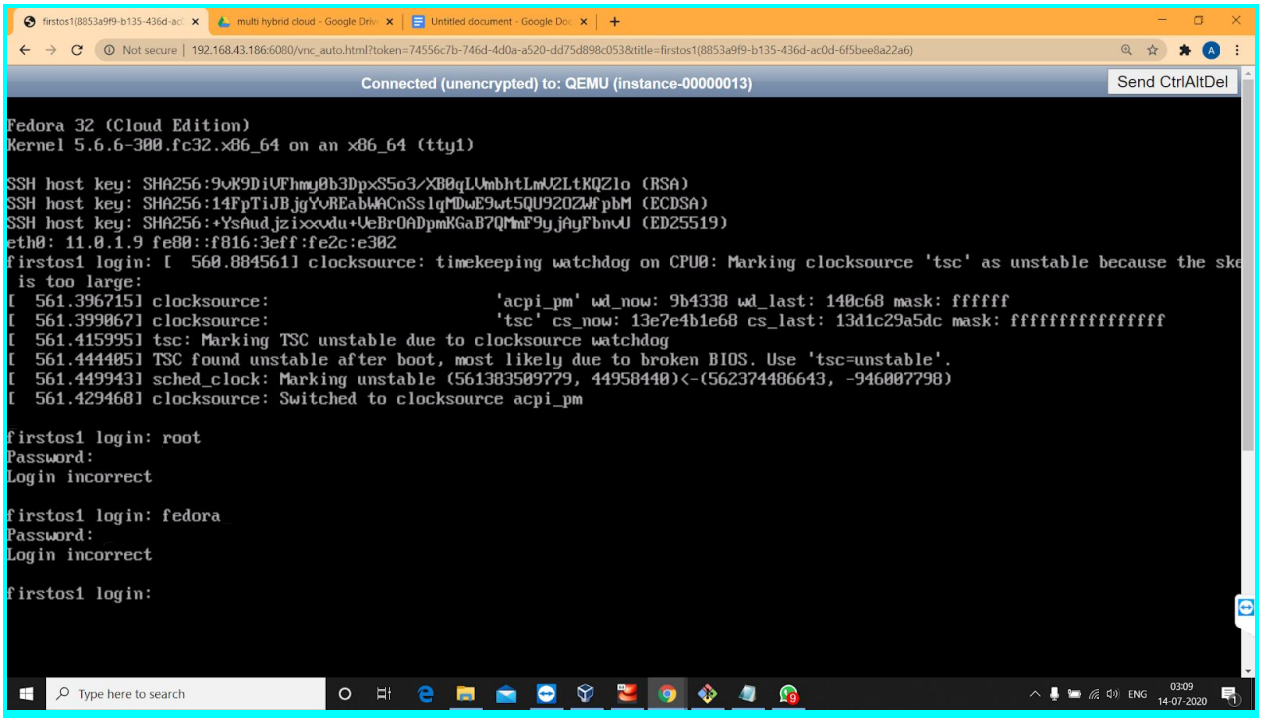
http://192.168.43.186/




firstos1 - OpenStack Dashboard
Not secure | 192.168.43.186/dashboard/project/instances/8853a9f9-b135-436d-ac0d-6f5bee8a22a6/
Project / Compute / Instances / firstos1
firstos1
Create Snapshot
Overview
Log
Console
Action Log
Instance Console
If console is not responding to keyboard input: click the grey status bar below. Click here to show only console
To exit the fullscreen mode, click the browser's back button.
Connected (unencrypted) to: QEMU (instance-00000013)
Send CtrlAltDel
Fedora 32 (Cloud Edition)
Kernel 5.6.6-300.fc32.x86_64 on an x86_64 (tty1)
SSH host key: SHA256:9vK9DiVFhmy0b3DpxS5o3/XB0qLVmbhtLmV2LtKQZlo (RSA)
SSH host key: SHA256:14FpTiJBjgYvREabWACnSslqMDwE9wt5QU92OZWfpbM (ECDSA)
SSH host key: SHA256:+YsAudjzixxvdu+VeBrOADpmKGaB7QMmF9yjAyFbnvU (ED25519)
eth0: 11.0.1.9 fe80::f816:3eff:fe2c:e302
firstos1 login: [560.884561] clocksource: timekeeping watchdog on CPU0: Marking clocksource 'tsc' as unstable because t
is too large:
[561.396715] clocksource: 'acpi_pm' wd_now: 9b4338 wd_last: 140c68 mask: ffffff
[561.399067] clocksource: 'tsc' cs_now: 13e7e4b1e68 cs_last: 13d1c29a5dc mask: ffffffffffffff
[561.415995] tsc: Marking TSC unstable due to clocksource watchdog
Type here to search
ENG
03:06
14-07-2020


root@openstack:~
tag: 1
Interface "qr-7cb3fe1e-93"
type: internal
Port br-int
Interface br-int
type: internal
Port "tap298f262b-3d"
tag: 2
Interface "tap298f262b-3d"
type: internal
Port patch-tun
Interface patch-tun
type: patch
options: {peer=patch-int}
Port "qvo8ab0a2d8-c4"
tag: 1
Interface "qvo8ab0a2d8-c4"
Port int-br-ex
Interface int-br-ex
type: patch
options: {peer=phy-br-ex}
Bridge br-ex
Controller "tcp:127.0.0.1:6633"
is_connected: true
fail_mode: secure
Port br-ex
Interface br-ex
type: internal
Port phy-br-ex
Interface phy-br-ex
type: patch
options: {peer=int-br-ex}
ovs_version: "2.9.0"
[root@openstack ~(keystone_i m vishesh)]#
Type here to search
ENG
03:07
14-07-2020



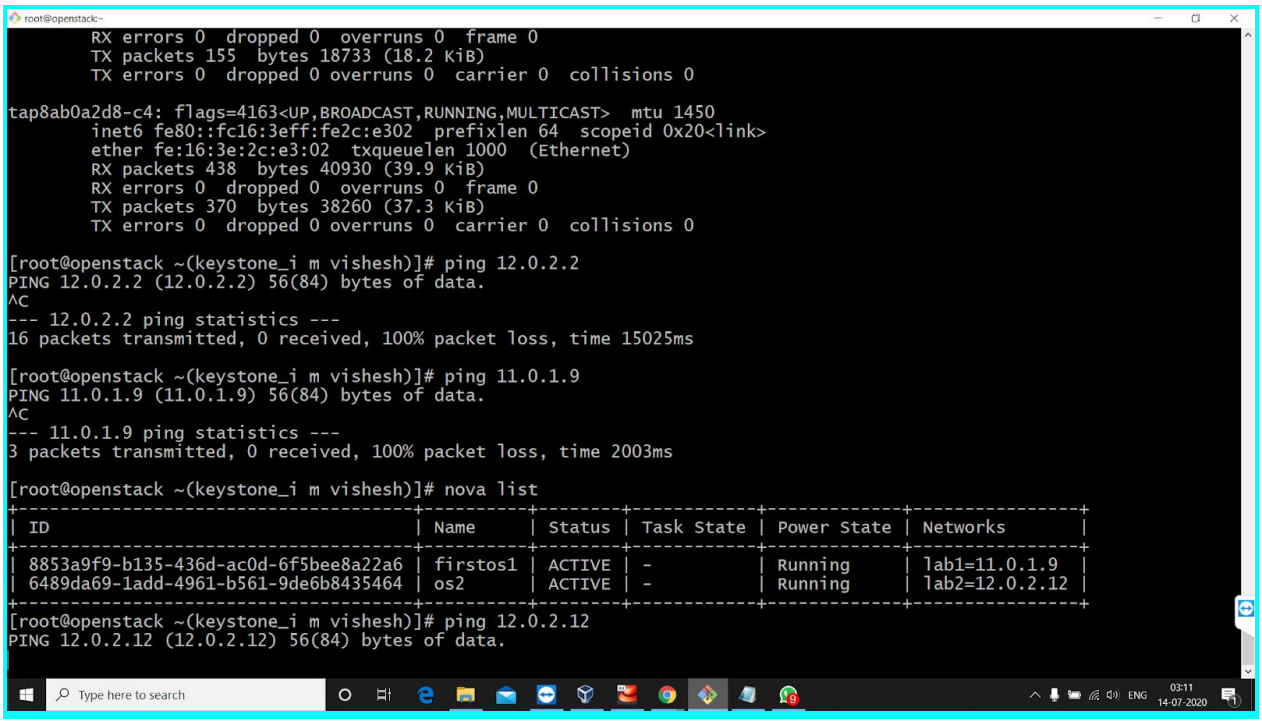


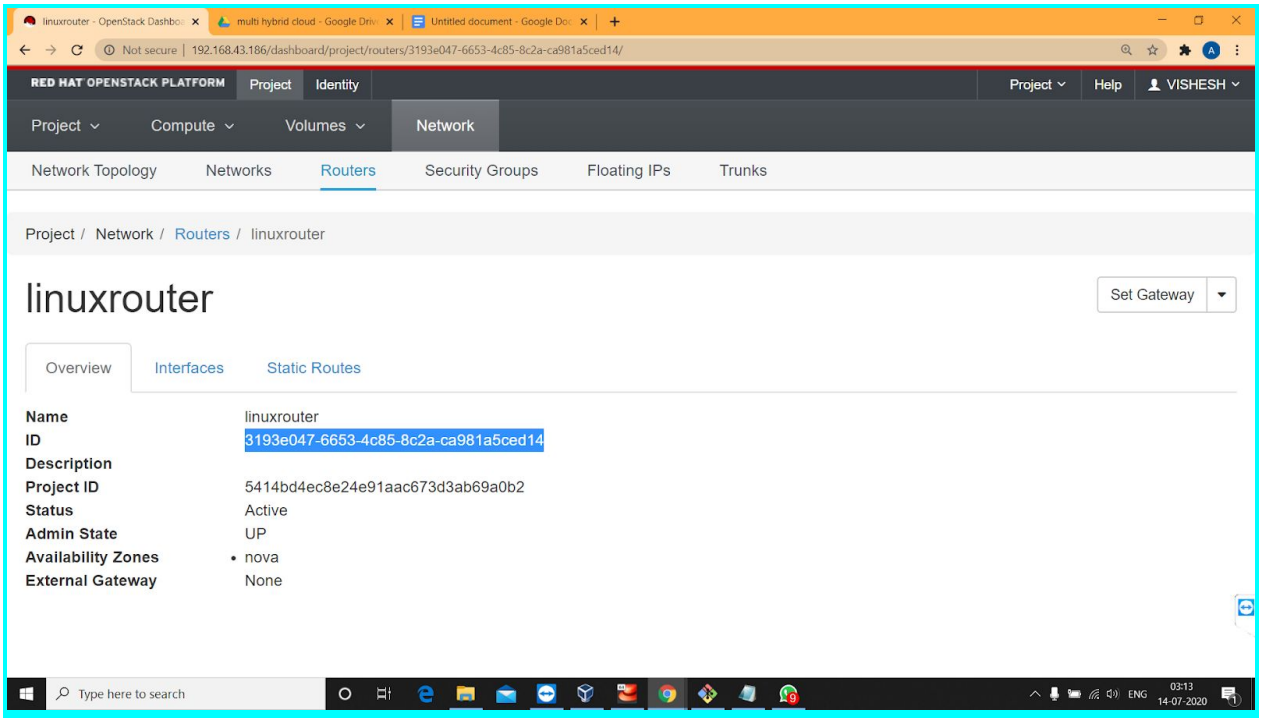
[root@openstack ~(keystone_i m vishesh)]# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.43.186 netmask 255.255.255.0 broadcast 192.168.43.255
inet6 fe80::a00:27ff:fe04:dd49 prefixlen 64 scopeid 0x20<link>
inet6 2401:4900:3058:9bfd:a00:27ff:fe04:dd49 prefixlen 64 scopeid 0x0<global>

```
        ether 08:00:27:04:dd:49  txqueuelen 1000  (Ethernet)
        RX packets 10242  bytes 912367 (890.9 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 14814  bytes 13273967 (12.6 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 1041562  bytes 1841887385 (1.7 GiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 1041562  bytes 1841887385 (1.7 GiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

qbr0111de17-12: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1450
        ether 22:90:c3:d6:bc:77  txqueuelen 1000  (Ethernet)
        RX packets 31  bytes 3002 (2.9 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 0  bytes 0 (0.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

qbr8ab0a2d8-c4: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1450
        ether f2:9e:c0:ab:5d:6b  txqueuelen 1000  (Ethernet)
        RX packets 34  bytes 3180 (3.1 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 0  bytes 0 (0.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

qvb0111de17-12: flags=4419<UP,BROADCAST,RUNNING,PROMISC,MULTICAST>
mtu 1450
        inet6 fe80::2090:c3ff:fed6:bc77  prefixlen 64  scopeid 0x20<link>
        ether 22:90:c3:d6:bc:77  txqueuelen 1000  (Ethernet)
        RX packets 155  bytes 18733 (18.2 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 229  bytes 21930 (21.4 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

```
qvb8ab0a2d8-c4: flags=4419<UP,BROADCAST,RUNNING,PROMISC,MULTICAST>  mtu 1450
        inet6 fe80::f09e:c0ff:feab:5d6b  prefixlen 64  scopeid 0x20<link>
        ether f2:9e:c0:ab:5d:6b  txqueuelen 1000  (Ethernet)
        RX packets 369  bytes 38182 (37.2 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 446  bytes 41578 (40.6 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

qvo0111de17-12: flags=4419<UP,BROADCAST,RUNNING,PROMISC,MULTICAST>  mtu 1450
        inet6 fe80::1410:7cff:fef8:c56e  prefixlen 64  scopeid 0x20<link>
        ether 16:10:7c:f8:c5:6e  txqueuelen 1000  (Ethernet)
        RX packets 229  bytes 21930 (21.4 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 155  bytes 18733 (18.2 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

qvo8ab0a2d8-c4: flags=4419<UP,BROADCAST,RUNNING,PROMISC,MULTICAST>  mtu 1450
        inet6 fe80::3c90:85ff:fe15:f565  prefixlen 64  scopeid 0x20<link>
        ether 3e:90:85:15:f5:65  txqueuelen 1000  (Ethernet)
        RX packets 446  bytes 41578 (40.6 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 369  bytes 38182 (37.2 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

tap0111de17-12: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1450
        inet6 fe80::fc16:3eff:fea9:dfa3  prefixlen 64  scopeid 0x20<link>
        ether fe:16:3e:a9:df:a3  txqueuelen 1000  (Ethernet)
        RX packets 221  bytes 21282 (20.7 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 155  bytes 18733 (18.2 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

tap8ab0a2d8-c4: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1450
        inet6 fe80::fc16:3eff:fe2c:e302  prefixlen 64  scopeid 0x20<link>
        ether fe:16:3e:2c:e3:02  txqueuelen 1000  (Ethernet)
        RX packets 438  bytes 40930 (39.9 KiB)
```

```
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 370  bytes 38260 (37.3 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[root@openstack ~(keystone_i m vishesh)]# ping 12.0.2.2
PING 12.0.2.2 (12.0.2.2) 56(84) bytes of data.
^C
--- 12.0.2.2 ping statistics ---
16 packets transmitted, 0 received, 100% packet loss, time 15025ms

[root@openstack ~(keystone_i m vishesh)]# ping 11.0.1.9
PING 11.0.1.9 (11.0.1.9) 56(84) bytes of data.
^C
--- 11.0.1.9 ping statistics ---
3 packets transmitted, 0 received, 100% packet loss, time 2003ms
```



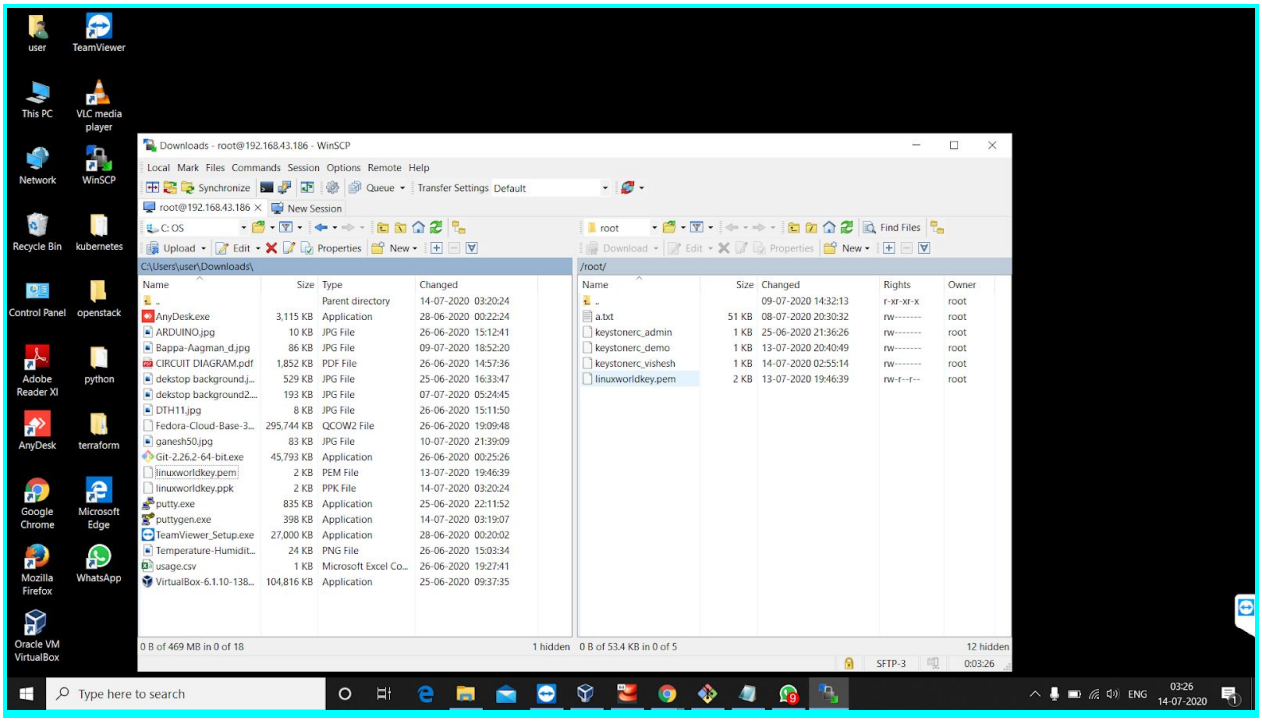


[root@openstack ~(keystone_i m vishesh)]# ip netns exec qrouter-3193e047-6653-4c85-8c2a-ca981a5ced14 bash
[root@openstack ~(keystone_i m vishesh)]# ifconfig
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>

```
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 0  bytes 0 (0.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 0  bytes 0 (0.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

qr-7cb3fe1e-93: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1450
        inet 11.0.1.1  netmask 255.255.255.0  broadcast 11.0.1.255
        inet6 fe80::f816:3eff:fec2:554c  prefixlen 64  scopeid 0x20<link>
        ether fa:16:3e:c2:55:4c  txqueuelen 1000  (Ethernet)
        RX packets 216  bytes 17874 (17.4 KiB)
        RX errors 0  dropped 2  overruns 0  frame 0
        TX packets 126  bytes 15163 (14.8 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

qr-ac5c441c-0d: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1450
        inet 12.0.2.1  netmask 255.255.255.0  broadcast 12.0.2.255
        inet6 fe80::f816:3eff:fe82:264d  prefixlen 64  scopeid 0x20<link>
        ether fa:16:3e:82:26:4d  txqueuelen 1000  (Ethernet)
        RX packets 207  bytes 17316 (16.9 KiB)
        RX errors 0  dropped 7  overruns 0  frame 0
        TX packets 126  bytes 15139 (14.7 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[root@openstack ~(keystone_i m vishesh)]# ping 12.0.2.12
PING 12.0.2.12 (12.0.2.12) 56(84) bytes of data.
64 bytes from 12.0.2.12: icmp_seq=1 ttl=64 time=4.63 ms
64 bytes from 12.0.2.12: icmp_seq=2 ttl=64 time=3.77 ms
64 bytes from 12.0.2.12: icmp_seq=3 ttl=64 time=0.717 ms
^C
--- 12.0.2.12 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2005ms
rtt min/avg/max/mdev = 0.717/3.041/4.634/1.681 ms
[root@openstack ~(keystone_i m vishesh)]# ping 11.0.1.9
PING 11.0.1.9 (11.0.1.9) 56(84) bytes of data.
64 bytes from 11.0.1.9: icmp_seq=1 ttl=64 time=12.2 ms
64 bytes from 11.0.1.9: icmp_seq=2 ttl=64 time=1.28 ms
^C
--- 11.0.1.9 ping statistics ---
```

2 packets transmitted, 2 received, 0% packet loss, time 1002ms
rtt min/avg/max/mdev = 1.284/6.786/12.288/5.502 ms

[root@openstack ~(keystone_i m vishesh)]# ssh 11.0.1.9
The authenticity of host '11.0.1.9 (11.0.1.9)' can't be established.
ECDSA key fingerprint is
SHA256:F+EvopstgGrlIC7b1mFHY7bWKCWeuMil59oOO8F/Q2A.
ECDSA key fingerprint is MD5:d0:90:2f:3d:9b:fb:72:f8:3b:68:28:b8:78:66:07:7d.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '11.0.1.9' (ECDSA) to the list of known hosts.
root@11.0.1.9's password:
Permission denied, please try again.
root@11.0.1.9's password:



[root@openstack ~(keystone_i m vishesh)]# ls
a.txt keystonerc_admin keystonerc_demo keystonerc_vishesh
linuxworldkey.pem
[root@openstack ~(keystone_i m vishesh)]# chmod 400 linuxworldkey.pem

[root@openstack ~(keystone_i m vishesh)]# ssh -i linuxworldkey.pem 11.0.1.9
Please login as the user "fedora" rather than the user "root".

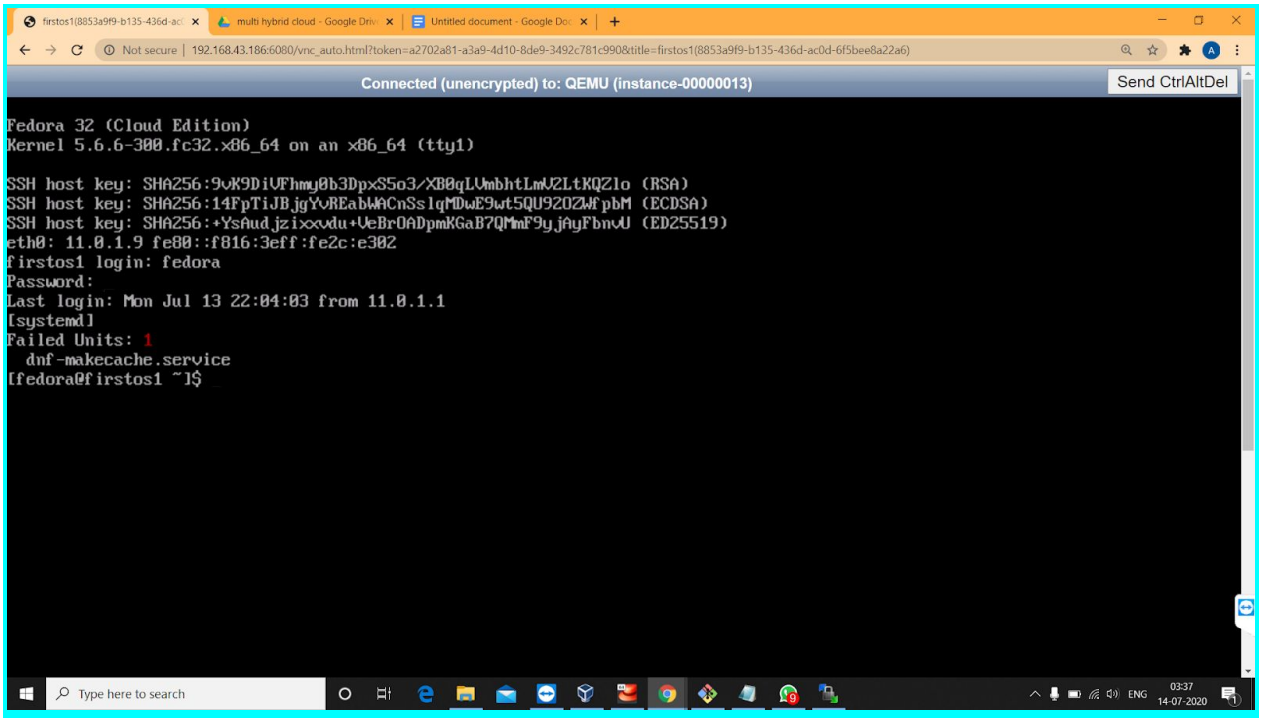
```
Connection to 11.0.1.9 closed.
[root@openstack ~(keystone_i m vishesh)]# ssh -i linuxworldkey.pem -l fedora
11.0.1.9
[systemd]
Failed Units: 1
  dnf-makecache.service
[fedora@firstos1 ~]$

[fedora@firstos1 ~]$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1450
        inet 11.0.1.9  netmask 255.255.255.0  broadcast 11.0.1.255
        inet6 fe80::f816:3eff:fe2c:e302  prefixlen 64  scopeid 0x20<link>
        ether fa:16:3e:2c:e3:02  txqueuelen 1000  (Ethernet)
        RX packets 473  bytes 55700 (54.3 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 556  bytes 58998 (57.6 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 56  bytes 4912 (4.7 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 56  bytes 4912 (4.7 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[fedora@firstos1 ~]$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
```

ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/:/sbin/nologin
unbound:x:999:999:Unbound DNS resolver:/etc/unbound:/sbin/nologin
systemd-coredump:x:998:995:systemd Core Dumper:/:/sbin/nologin
systemd-network:x:192:192:systemd Network Management:/:/sbin/nologin
systemd-resolve:x:193:193:systemd Resolver:/:/sbin/nologin
dbus:x:81:81:System message bus:/:/sbin/nologin
tss:x:59:59:Account used by the trousers package to sandbox the tcsd
daemon:/dev/null:/sbin/nologin
systemd-timesync:x:997:994:systemd Time Synchronization:/:/sbin/nologin
chrony:x:996:993::/var/lib/chrony:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin
fedora:x:1000:1000:fedora Cloud User:/home/fedora:/bin/bash
[fedora@firstos1 ~]$ cat /etc/shadow
cat: /etc/shadow: Permission denied
[fedora@firstos1 ~]$ whoami
fedora
[fedora@firstos1 ~]$ sudo su - root
Last login: Mon Jul 13 22:03:30 UTC 2020 from 11.0.1.1 on pts/0
[systemd]
Failed Units: 1
  dnf-makecache.service
[root@firstos1 ~]# cat /etc/shadow
root:!locked::0:99999:7:::
bin:*:18292:0:99999:7:::
daemon:*:18292:0:99999:7:::
adm:*:18292:0:99999:7:::
lp:*:18292:0:99999:7:::
sync:*:18292:0:99999:7:::
shutdown:*:18292:0:99999:7:::
halt:*:18292:0:99999:7:::
mail:*:18292:0:99999:7:::
operator:*:18292:0:99999:7:::
games:*:18292:0:99999:7:::
ftp:*:18292:0:99999:7:::
nobody:*:18292:0:99999:7:::
unbound:!!:18374::::::
systemd-coredump:!!:18374::::::
systemd-network:!!:18374::::::

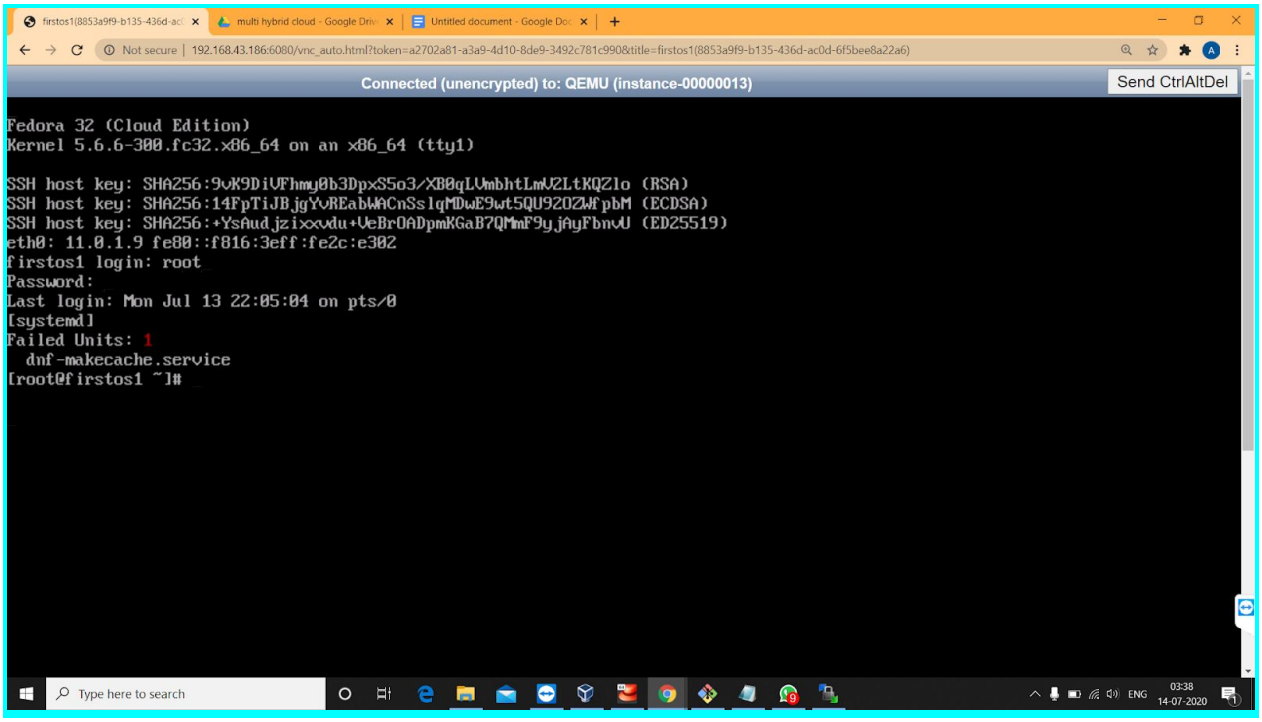
systemd-resolve:!!:18374::::::
dbus:!!:18374::::::
tss:!!:18374::::::
systemd-timesync:!!:18374::::::
chrony:!!:18374::::::
sshd:!!:18374::::::
fedora:!!:18456:0:99999:7:::

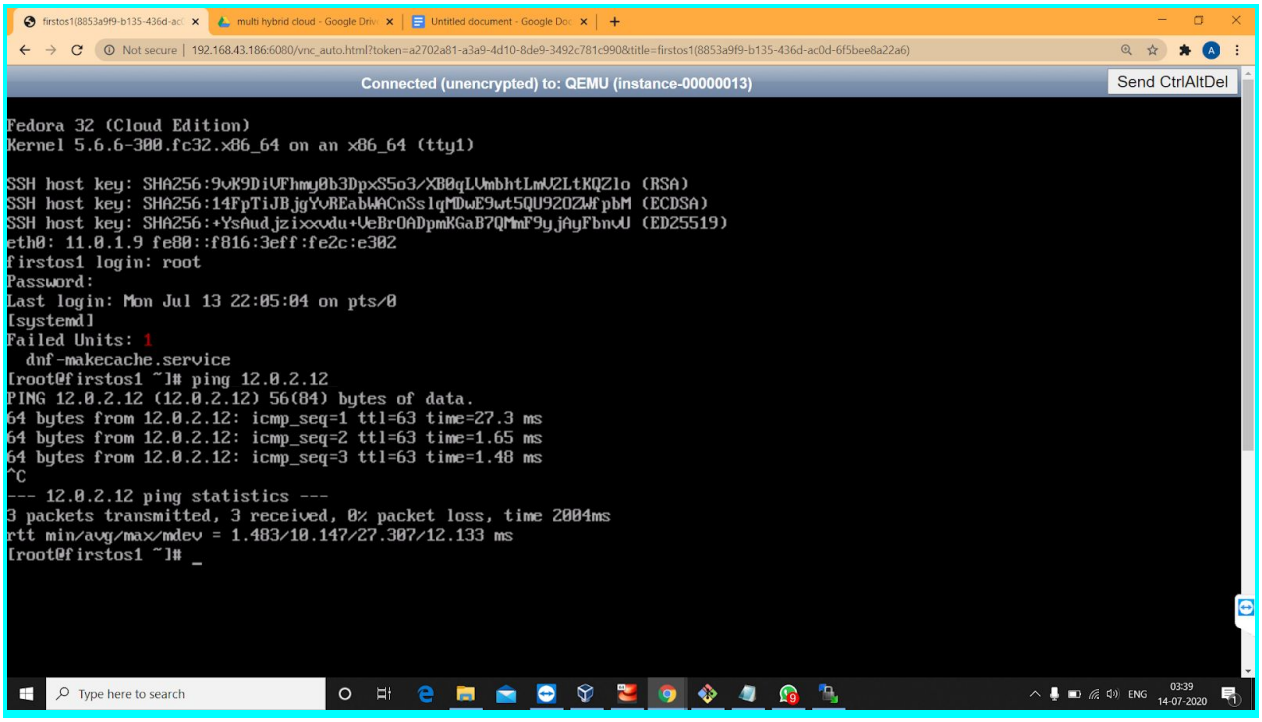
[root@firstos1 ~]# passwd fedora
Changing password for user fedora.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.

Password is fedora



[root@firstos1 ~]# passwd root
Changing password for user root.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.


Not secure | 192.168.43.186:6080/vnc_auto.html?token=a2702a81-a3a9-4d10-8de9-3492c781c990&title=firstos1(8853a9f9-b135-436d-ac0d-6f5bee8a22a6)
Connected (unencrypted) to: QEMU (instance-00000013)
Send CtrlAltDel
Fedora 32 (Cloud Edition)
Kernel 5.6.6-300.fc32.x86_64 on an x86_64 (tty1)
SSH host key: SHA256:9vK9DiVFhmy0b3DpxS5o3/XB0qLVmbhtLmV2LtKQZlo (RSA)
SSH host key: SHA256:14FpTiJBjgYvREabWACnSslqMDwE9wt5QU92OZWfpbM (ECDSA)
SSH host key: SHA256:+YsAudjzixxvdu+VeBrOADpmKGaB7QMmF9yjAyFbnvU (ED25519)
eth0: 11.0.1.9 fe80::f816:3eff:fe2c:e302
firstos1 login: root
Password:
Last login: Mon Jul 13 22:05:04 on pts/0
[systemd]
Failed Units: 1
dnf-makecache.service
[root@firstos1 ~]#
Type here to search
ENG
03:38
14-07-2020


Not secure | 192.168.43.186:6080/vnc_auto.html?token=a2702a81-a3a9-4d10-8de9-3492c781c990&title=firstos1(8853a9f9-b135-436d-ac0d-6f5bee8a22a6)
Connected (unencrypted) to: QEMU (instance-00000013)
Send CtrlAltDel
Fedora 32 (Cloud Edition)
Kernel 5.6.6-300.fc32.x86_64 on an x86_64 (tty1)
SSH host key: SHA256:9vK9DiVFhmy0b3DpxS5o3/XB0qLVmbhtLmV2LtKQZlo (RSA)
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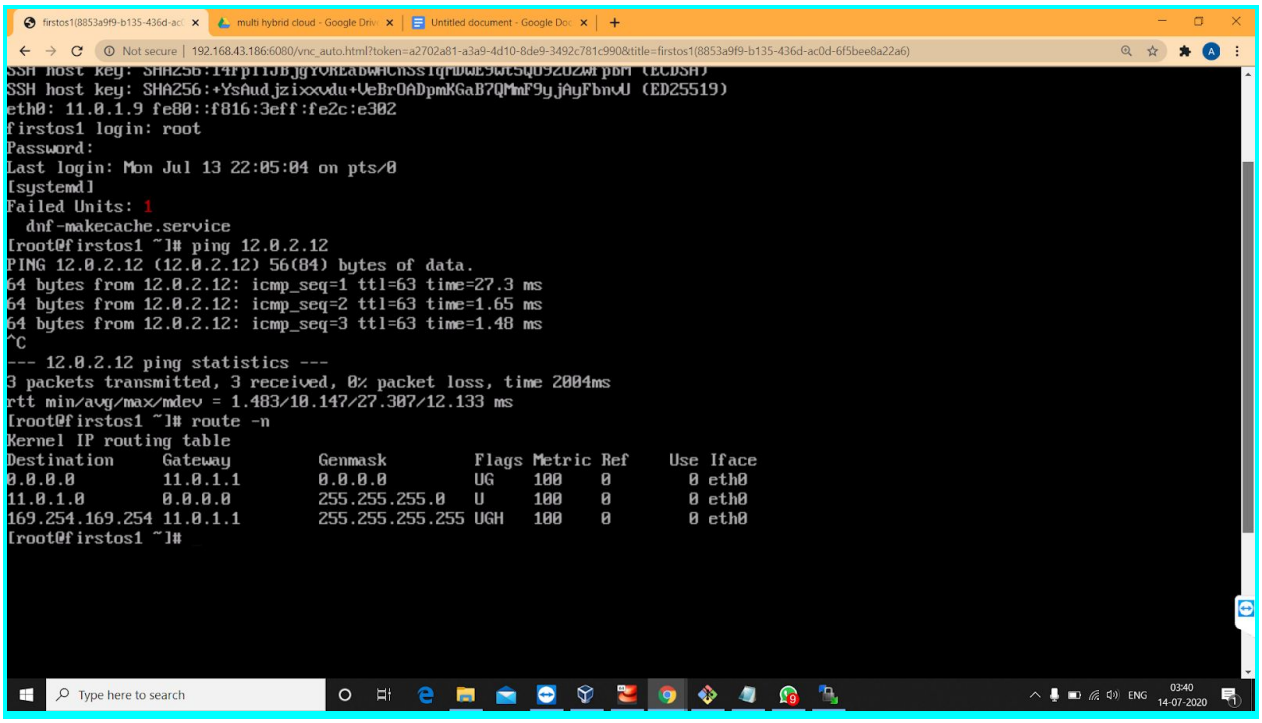
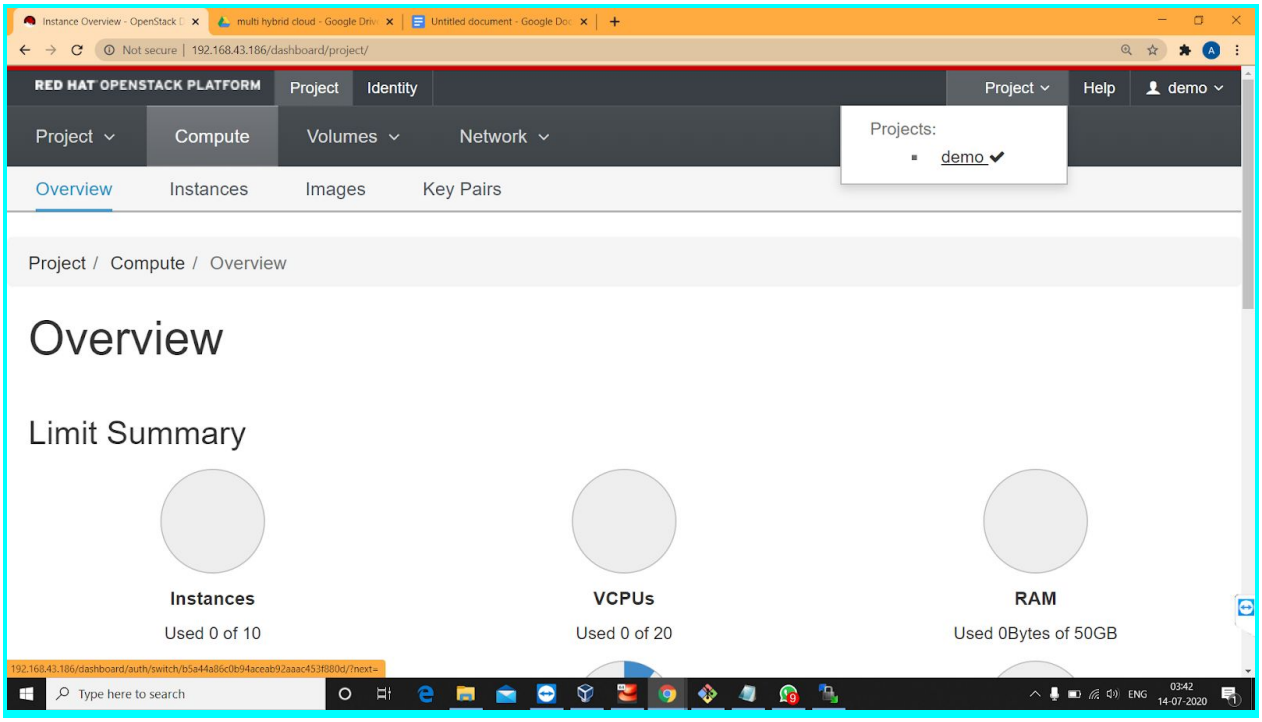
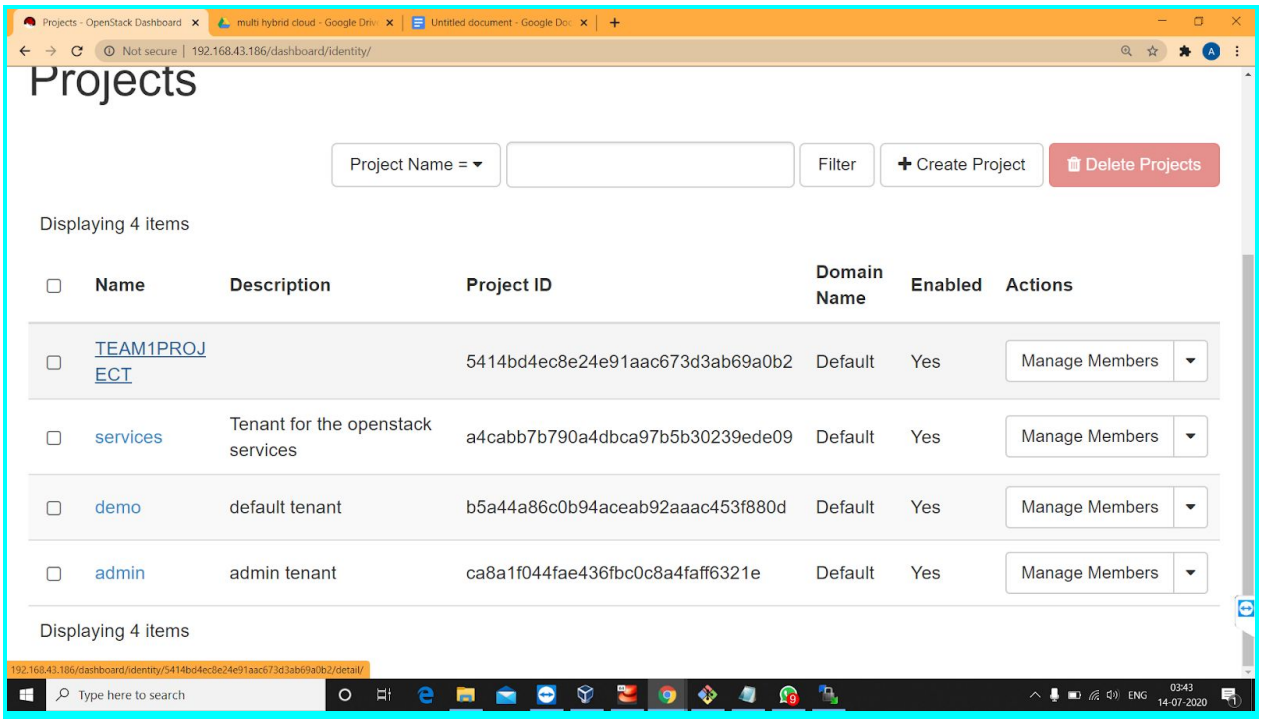
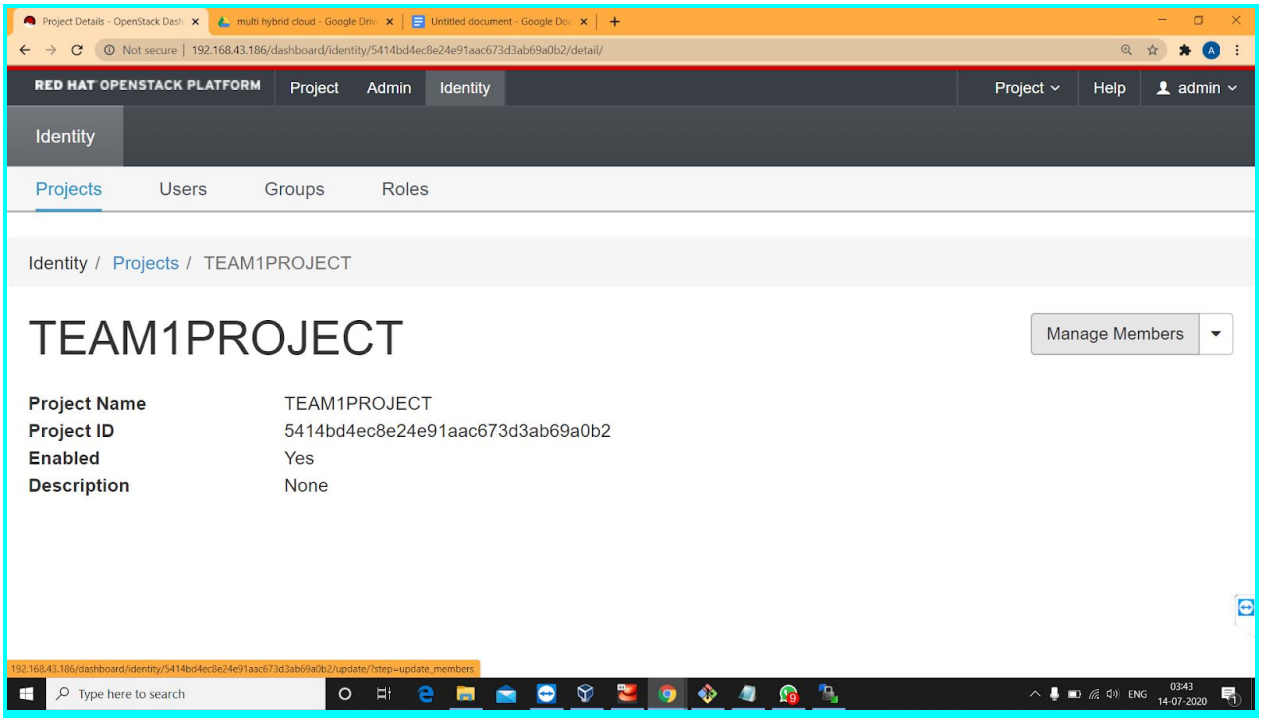
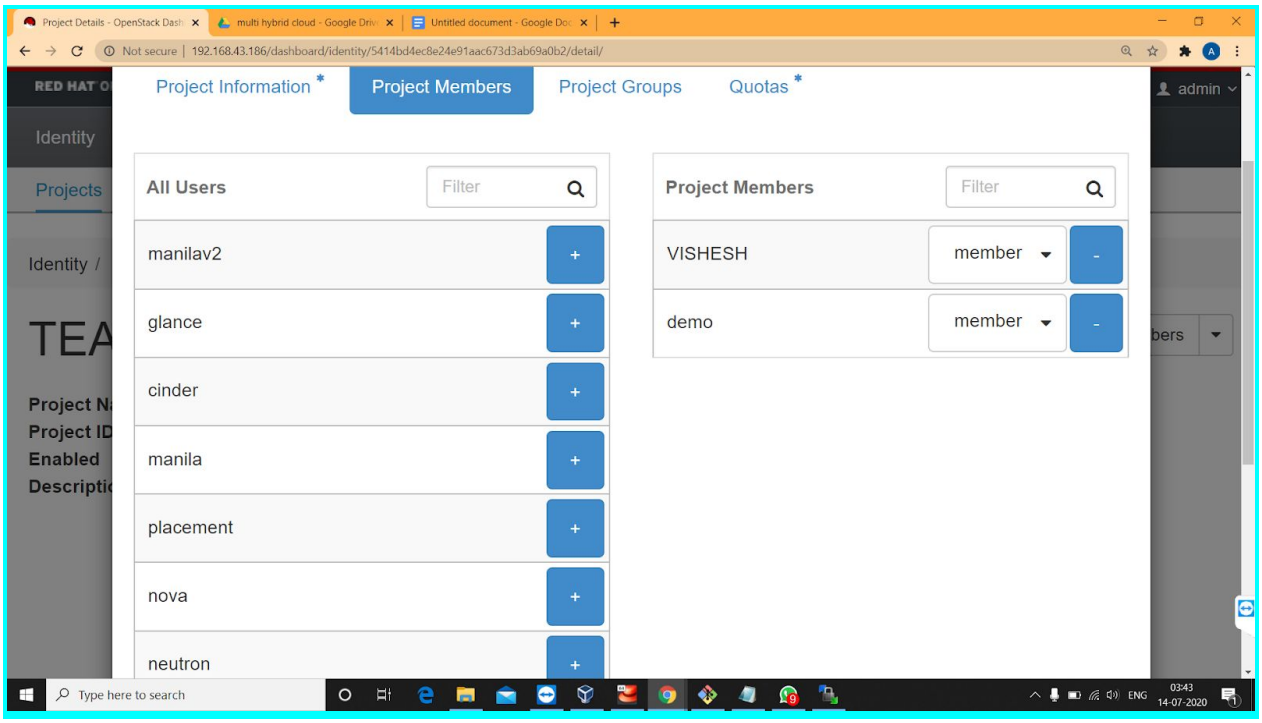
SSH host key: SHA256:+YsAudjzixxvdu+VeBrOADpmKGaB7QMmF9yjAyFbnvU (ED25519)
eth0: 11.0.1.9 fe80::f816:3eff:fe2c:e302
firstos1 login: root
Password:
Last login: Mon Jul 13 22:05:04 on pts/0
[systemd]
Failed Units: 1
dnf-makecache.service
[root@firstos1 ~]# ping 12.0.2.12
PING 12.0.2.12 (12.0.2.12) 56(84) bytes of data.
64 bytes from 12.0.2.12: icmp_seq=1 ttl=63 time=27.3 ms
64 bytes from 12.0.2.12: icmp_seq=2 ttl=63 time=1.65 ms
64 bytes from 12.0.2.12: icmp_seq=3 ttl=63 time=1.48 ms
^C
--- 12.0.2.12 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2004ms
rtt min/avg/max/mdev = 1.483/10.147/27.307/12.133 ms
[root@firstos1 ~]#
Type here to search
ENG
03:39
14-07-2020

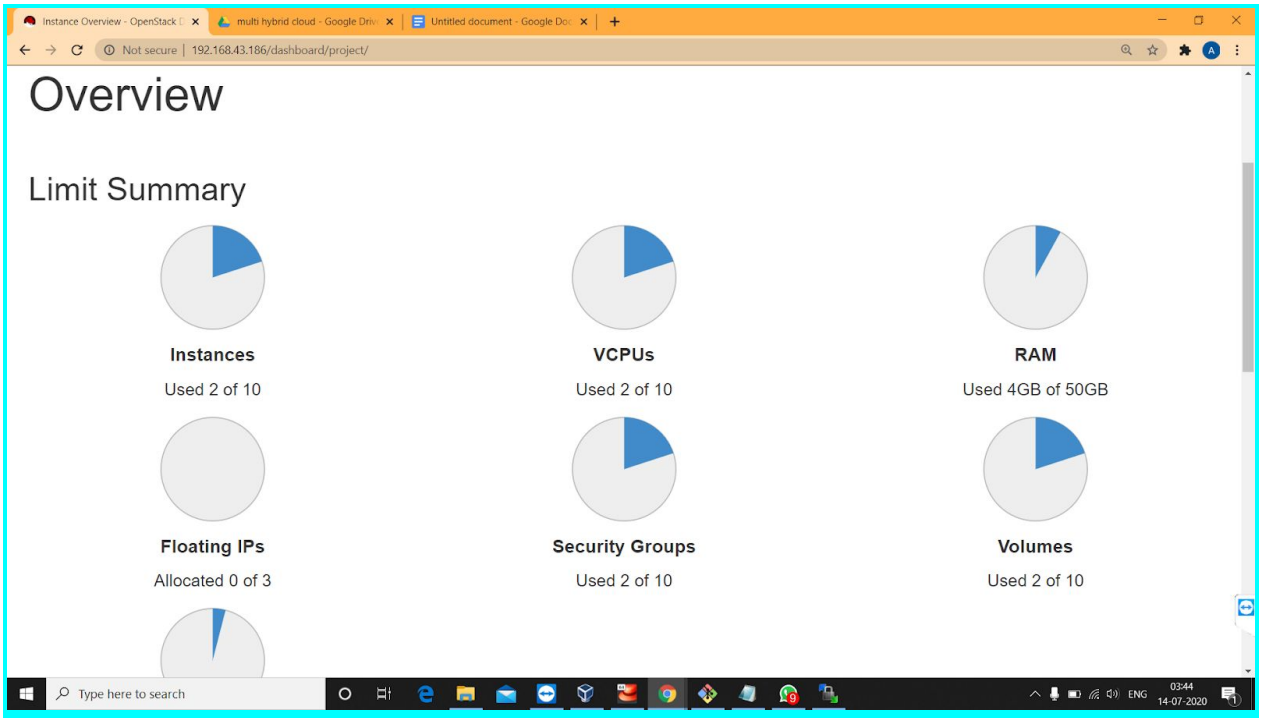

Not secure | 192.168.43.186:6080/vnc_auto.html?token=a2702a81-a3a9-4d10-8de9-3492c781c990&title=firstos1(8853a9f9-b135-436d-ac0d-6f5bee8a22a6)
SSH host key: SHA256:+YsAudjzioxvdu+VeBrOADpmKGaB7QMmF9yjAyFbnvU (ED25519)
eth0: 11.0.1.9 fe80::f816:3eff:fe2c:e302
firstos1 login: root
Password:
Last login: Mon Jul 13 22:05:04 on pts/0
[systemd]
Failed Units: 1
dnf-makecache.service
[root@firstos1 ~]# ping 12.0.2.12
PING 12.0.2.12 (12.0.2.12) 56(84) bytes of data.
64 bytes from 12.0.2.12: icmp_seq=1 ttl=63 time=27.3 ms
64 bytes from 12.0.2.12: icmp_seq=2 ttl=63 time=1.65 ms
64 bytes from 12.0.2.12: icmp_seq=3 ttl=63 time=1.48 ms
^C
--- 12.0.2.12 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2004ms
rtt min/avg/max/mdev = 1.483/10.147/27.307/12.133 ms
[root@firstos1 ~]# route -n
Kernel IP routing table
Destination Gateway Genmask Flags Metric Ref Use Iface
0.0.0.0 11.0.1.1 0.0.0.0 UG 100 0 0 eth0
11.0.1.0 0.0.0.0 255.255.255.0 U 100 0 0 eth0
169.254.169.254 11.0.1.1 255.255.255.255 UGH 100 0 0 eth0
[root@firstos1 ~]#
Type here to search
ENG
03:40
14-07-2020

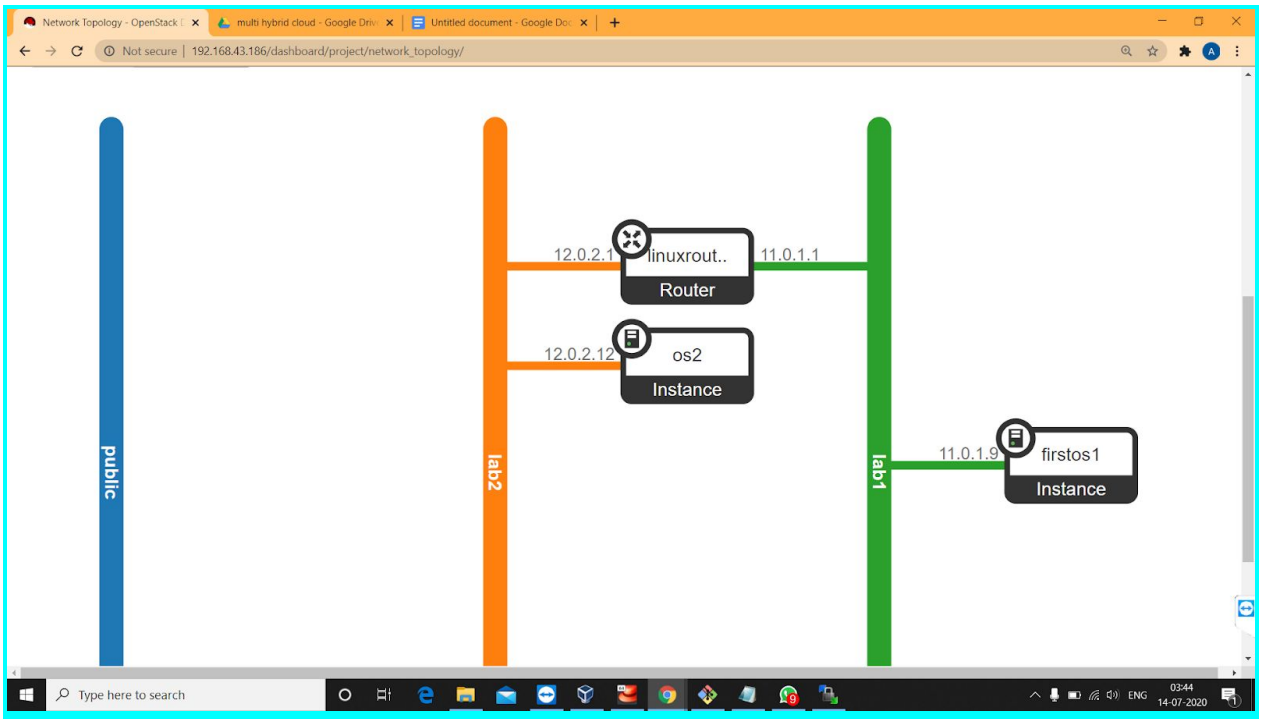

Not secure | 192.168.43.186/dashboard/project/
RED HAT OPENSTACK PLATFORM
Project
Identity
Project
Help
demo
Project
Compute
Volumes
Network
Projects:
demo
Overview
Instances
Images
Key Pairs
Project / Compute / Overview
Overview
Limit Summary
Instances
Used 0 of 10
VCPUs
Used 0 of 20
RAM
Used 0Bytes of 50GB
Type here to search
ENG
03:42
14-07-2020

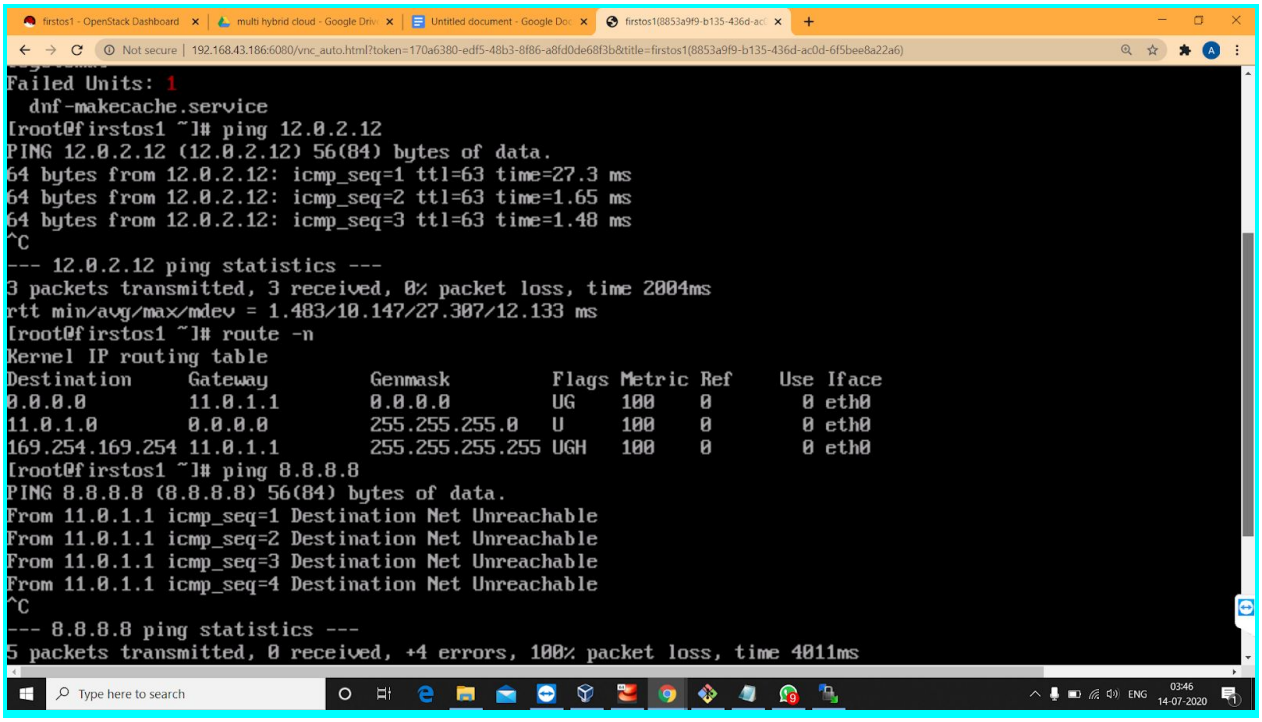

Projects - OpenStack Dashboard
multi hybrid cloud - Google Drive
Untitled document - Google Doc
Not secure | 192.168.43.186/dashboard/identity/
Projects
Project Name =
Filter
+ Create Project
Delete Projects
Displaying 4 items
Name
Description
Project ID
Domain Name
Enabled
Actions
TEAM1PROJECT
5414bd4ec8e24e91aac673d3ab69a0b2
Default
Yes
Manage Members
services
Tenant for the openstack services
a4cabb7b790a4dbca97b5b30239ede09
Default
Yes
Manage Members
demo
default tenant
b5a44a86c0b94aceab92aaac453f880d
Default
Yes
Manage Members
admin
admin tenant
ca8a1f044fae436fbc0c8a4faff6321e
Default
Yes
Manage Members
Displaying 4 items
192.168.43.186/dashboard/identity/5414bd4ec8e24e91aac673d3ab69a0b2/detail/
Type here to search
ENG
03:43
14-07-2020


Project Details - OpenStack Dash
multi hybrid cloud - Google Drive
Untitled document - Google Doc
Not secure | 192.168.43.186/dashboard/identity/5414bd4ec8e24e91aac673d3ab69a0b2/detail/
RED HAT OPENSTACK PLATFORM
Project
Admin
Identity
Project
Help
admin
Identity
Projects
Users
Groups
Roles
Identity / Projects / TEAM1PROJECT
TEAM1PROJECT
Manage Members
Project Name
TEAM1PROJECT
Project ID
5414bd4ec8e24e91aac673d3ab69a0b2
Enabled
Yes
Description
None
192.168.43.186/dashboard/identity/5414bd4ec8e24e91aac673d3ab69a0b2/update/?step=update_members
Type here to search
ENG
03:43
14-07-2020


Project Information *
Project Members
Project Groups
Quotas *
admin
Identity
Projects
All Users
Filter
manilav2
glance
cinder
manila
placement
nova
neutron
Project Members
VISHESH
member
demo
member
Type here to search
ENG
03:43
14-07-2020


Not secure | 192.168.43.186/dashboard/project/
Overview
Limit Summary
Instances
Used 2 of 10
VCPUs
Used 2 of 10
RAM
Used 4GB of 50GB
Floating IPs
Allocated 0 of 3
Security Groups
Used 2 of 10
Volumes
Used 2 of 10
Type here to search
ENG
03:44
14-07-2020

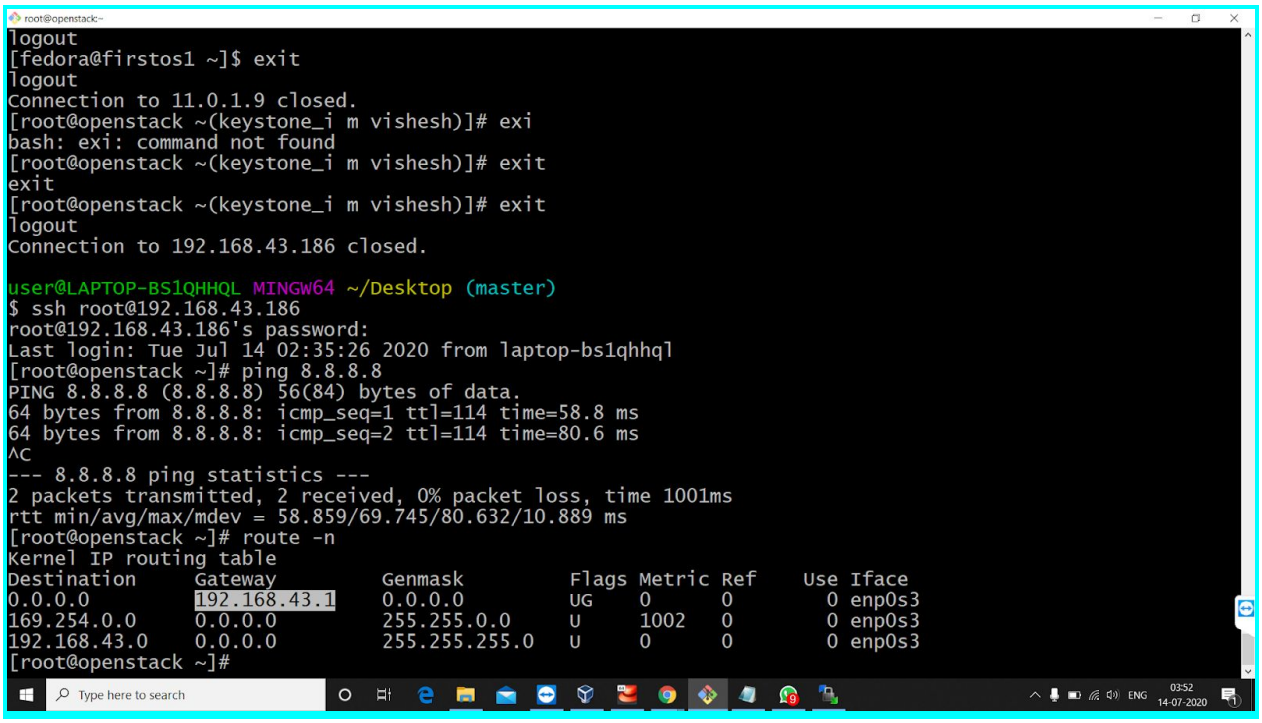


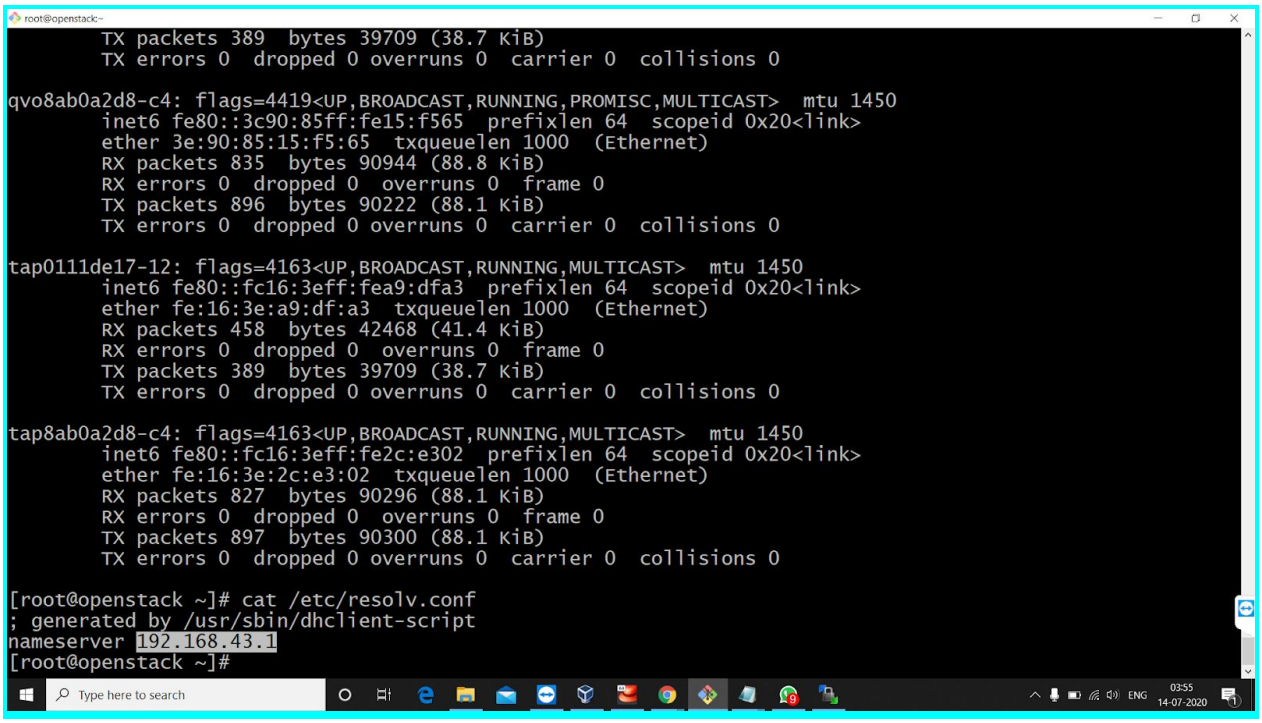


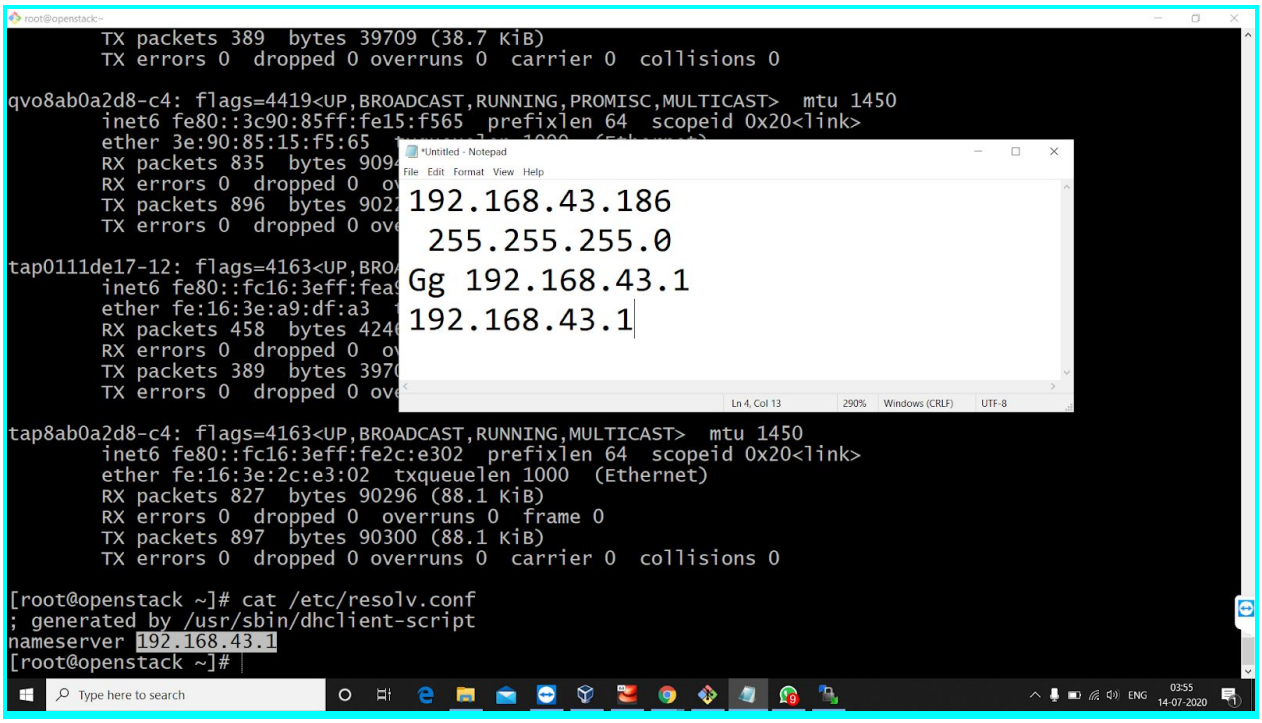
[root@openstack ~]# ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=114 time=58.8 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=114 time=80.6 ms
^C
--- 8.8.8.8 ping statistics ---

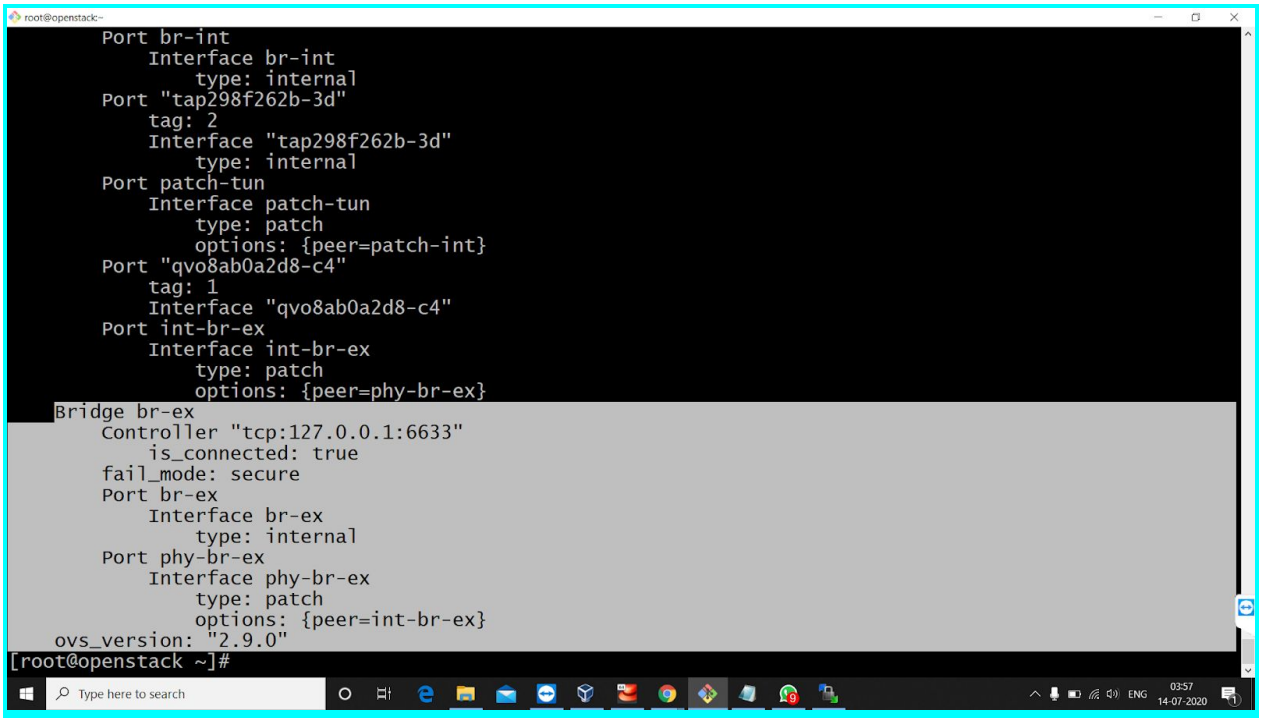
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 58.859/69.745/80.632/10.889 ms

>host only setup
>bridge setup









[root@openstack ~]# ifconfig br-ex
br-ex: flags=4098<BROADCAST,MULTICAST> mtu 1500
ether 12:64:ad:c7:7f:42 txqueuelen 1000 (Ethernet)
RX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 8 overruns 0 frame 0
TX packets 0 bytes 0 (0.0 B)

```
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[root@openstack ~]# dhclient -v enp0s3
Internet Systems Consortium DHCP Client 4.2.5
Copyright 2004-2013 Internet Systems Consortium.
All rights reserved.
For info, please visit https://www.isc.org/software/dhcp/

Listening on LPF/enp0s3/08:00:27:04:dd:49
Sending on   LPF/enp0s3/08:00:27:04:dd:49
Sending on   Socket/fallback
DHCPDISCOVER on enp0s3 to 255.255.255.255 port 67 interval 5
(xid=0x4a6cd114)
DHCPREQUEST on enp0s3 to 255.255.255.255 port 67 (xid=0x4a6cd114)
DHCPOFFER from 192.168.43.1
DHCPACK from 192.168.43.1 (xid=0x4a6cd114)
bound to 192.168.43.186 -- renewal in 1693 seconds.

[root@openstack ~]# ovs-vsctl add-port enp0s3 br-ex
ovs-vsctl: cannot create a port named br-ex because a bridge named br-ex
already exists
[root@openstack ~]# ovs-vsctl add-port br-ex enp0s3
```

```
        TX packets 399  bytes 40501 (39.5 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

tap8ab0a2d8-c4: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1450
        inet6 fe80::fc16:3eff:fe2c:e302  prefixlen 64  scopeid 0x20<link>
        ether fe:16:3e:2c:e3:02  txqueuelen 1000  (Ethernet)
        RX packets 828  bytes 90366 (88.2 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 897  bytes 90300 (88.1 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[root@openstack ~]# ifconfig enp0s3
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.43.186  netmask 255.255.255.0  broadcast 192.168.43.255
        inet6 fe80::a00:27ff:fe04:dd49  prefixlen 64  scopeid 0x20<link>
        inet6 2401:4900:3058:9bfd:a00:27ff:fe04:dd49  prefixlen 64  scopeid 0x0<global>
        ether 08:00:27:04:dd:49  txqueuelen 1000  (Ethernet)
        RX packets 40474  bytes 3108939 (2.9 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 69816  bytes 20604073 (19.6 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[root@openstack ~]# ovs-vsctl add-port br-ex enp0s3 ; dhclient -v br-ex
ovs-vsctl: cannot create a port named enp0s3 because a port named enp0s3 already exists on bridge br
-ex
dhclient(20293) is already running - exiting.

This version of ISC DHCP is based on the release available
on ftp.isc.org.  Features have been added and other changes
have been made to the base software release in order to make
it work better with this distribution.

Please report for this software via the Red Hat Bugzilla site:
    http://bugzilla.redhat.com

exiting.
[root@openstack ~]#
```

```
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.43.186  netmask 255.255.255.0  broadcast 192.168.43.255
        inet6 fe80::a00:27ff:fe04:dd49  prefixlen 64  scopeid 0x20<link>
        inet6 2401:4900:3058:9bfd:a00:27ff:fe04:dd49  prefixlen 64  scopeid 0x0<global>
        ether 08:00:27:04:dd:49  txqueuelen 1000  (Ethernet)
        RX packets 40474  bytes 3108939 (2.9 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 69816  bytes 20604073 (19.6 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[root@openstack ~]# ovs-vsctl add-port br-ex enp0s3 ; dhclient -v br-ex
ovs-vsctl: cannot create a port named enp0s3 because a port named enp0s3 already exists on bridge br
-ex
dhclient(20293) is already running - exiting.

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    http://bugzilla.redhat.com

exiting.
[root@openstack ~]# dhclient -v enp0s3
dhclient(20293) is already running - exiting.

This version of ISC DHCP is based on the release available
on ftp.isc.org.  Features have been added and other changes
have been made to the base software release in order to make
it work better with this distribution.

Please report for this software via the Red Hat Bugzilla site:
    http://bugzilla.redhat.com

exiting.
[root@openstack ~]# _
```