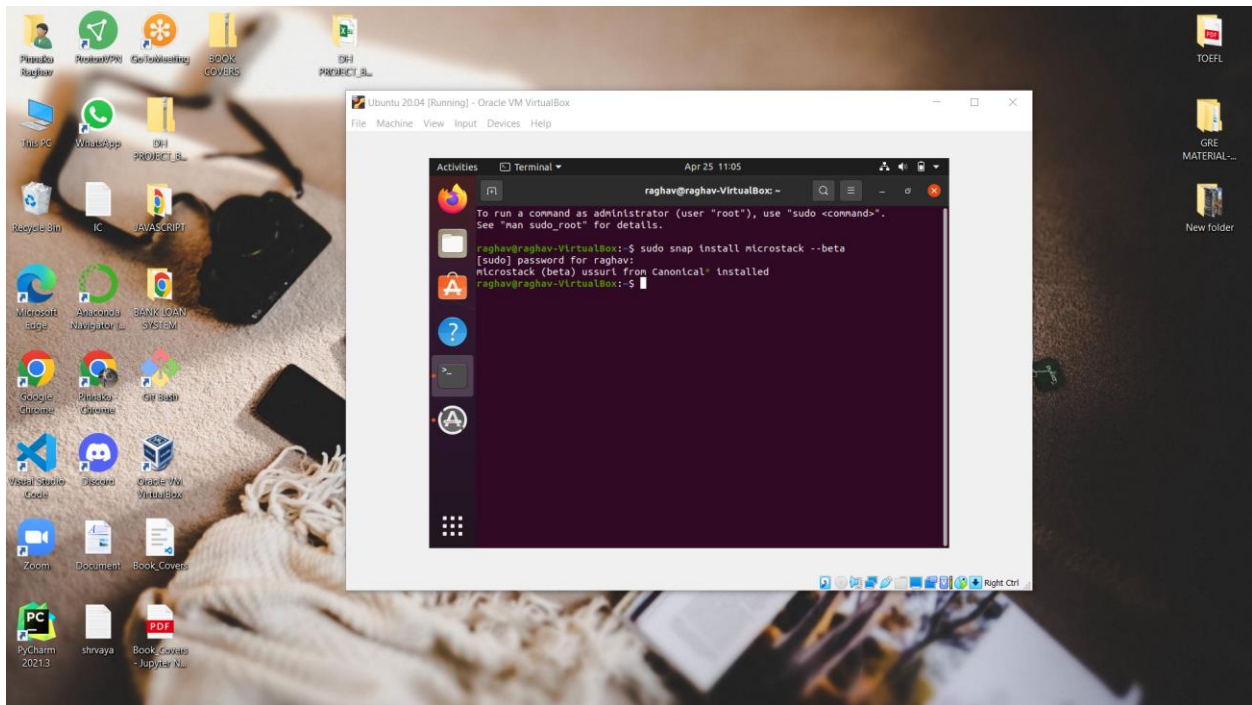


CLOUD COMPUTING CSE318 PROJECT REPORT

MicroStack for this Project. First, We have to install the MicroStack snap in our Ubuntu VMs. A snap is a bundle of an app and its dependencies that works without modification across many different Linux distributions.

Creating a Controller Node:



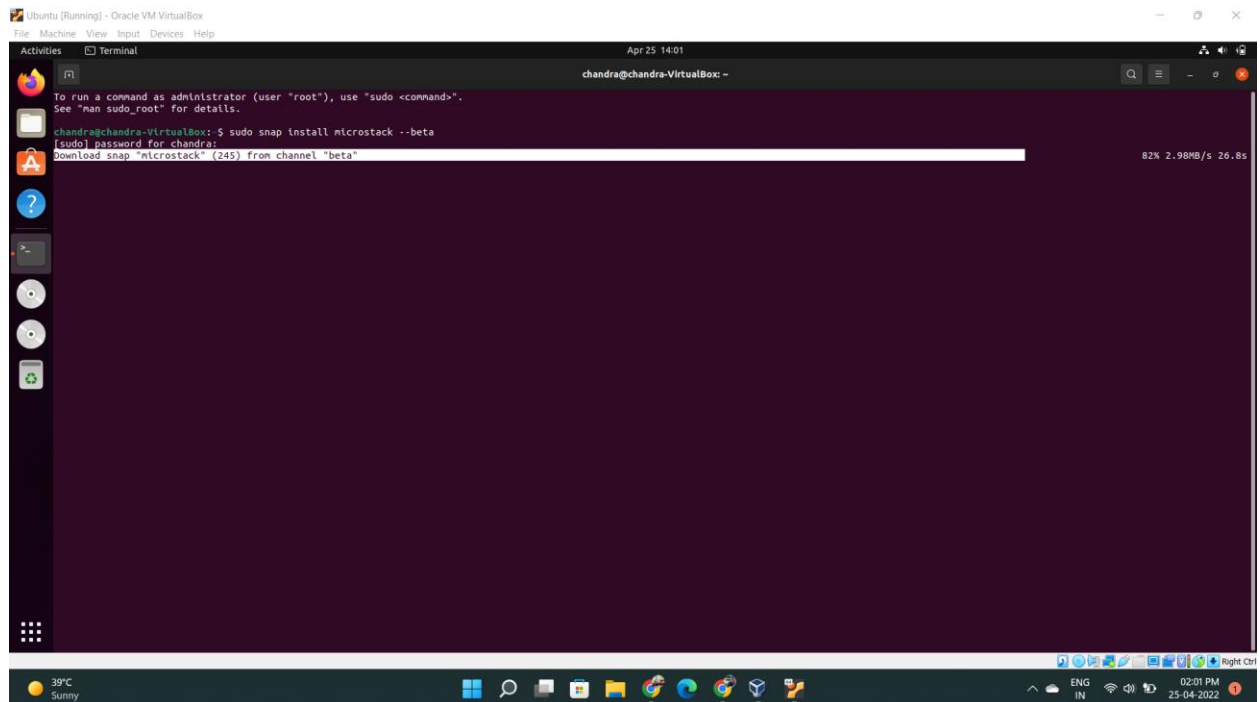
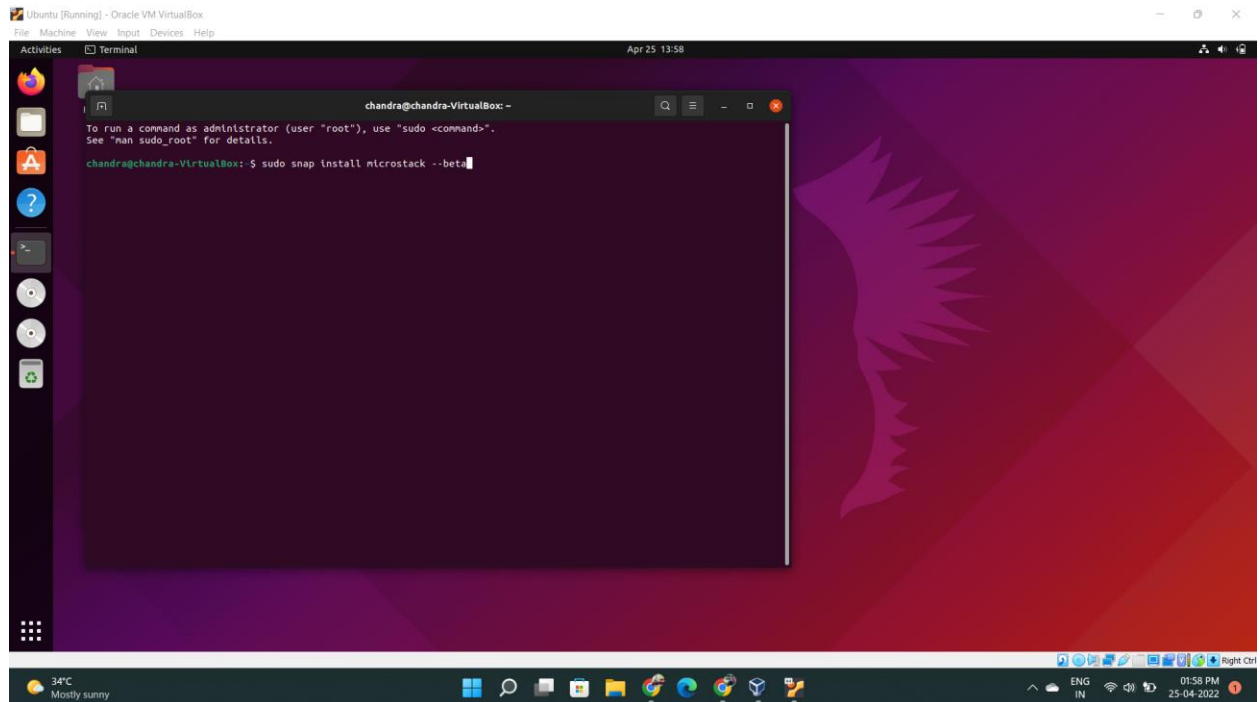
```
Ubuntu 20.04 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal
Apr 25 13:47
raghav@raghav-VirtualBox:~$ sudo microstack.init
Would you like to configure clustering? (yes/no) [default=no] > yes
2022-04-25 13:40:43.985 - microstack_init - INFO - Configuring clustering ...
Which role would you like to use for this node? "control" or "compute"? > control
Please enter the ip address of the control node [default=10.1.80.113] >
2022-04-25 13:40:51.357 - microstack_init - INFO - Setting up as a control node.
2022-04-25 13:40:55.404 - microstack_init - INFO - Generating TLS Certificate and Key
2022-04-25 13:41:05.973 - microstack_init - INFO - Configuring networking ...
2022-04-25 13:41:05.129 - microstack_init - INFO - Opening horizon dashboard up to *
2022-04-25 13:41:06.400 - microstack_init - INFO - Waiting for RabbitMQ to start ...
Waiting for 10.1.80.113:5672
2022-04-25 13:41:14.017 - microstack_init - INFO - RabbitMQ started!
2022-04-25 13:41:14.018 - microstack_init - INFO - Configuring RabbitMQ ...
2022-04-25 13:41:15.509 - microstack_init - INFO - RabbitMQ Configured!
2022-04-25 13:41:15.544 - microstack_init - INFO - Waiting for MySQL server to start ...
Waiting for 10.1.80.113:3306
2022-04-25 13:41:23.128 - microstack_init - INFO - Mysql server started! Creating databases ...
2022-04-25 13:41:25.241 - microstack_init - INFO - Configuring Keystone Fernet Keys ...
2022-04-25 13:41:42.410 - microstack_init - INFO - Bootstrapping Keystone ...
2022-04-25 13:41:55.204 - microstack_init - INFO - Creating service project ...
2022-04-25 13:42:02.370 - microstack_init - INFO - Keystone configured!
2022-04-25 13:42:02.413 - microstack_init - INFO - Configuring the Placement service...
2022-04-25 13:42:27.693 - microstack_init - INFO - Running Placement DB migrations...
2022-04-25 13:42:32.309 - microstack_init - INFO - Configuring nova control plane services ...
2022-04-25 13:42:47.283 - microstack_init - INFO - Running Nova API DB migrations (this may take a lot of time)...
2022-04-25 13:43:17.856 - microstack_init - INFO - Running Nova DB migrations (this may take a lot of time)...
Waiting for 10.1.80.113:8774
2022-04-25 13:44:21.428 - microstack_init - INFO - Creating default flavors...
2022-04-25 13:44:54.000 - microstack_init - INFO - Configuring nova compute hypervisor ...
2022-04-25 13:44:54.000 - microstack_init - INFO - Checking virtualization extensions presence on the host
2022-04-25 13:44:54.019 - microstack_init - WARNING - Unable to determine hardware virtualization support by CPU vendor id "GenuineIntel": assuming it is not supported.
2022-04-25 13:44:54.019 - microstack_init - WARNING - Hardware virtualization is not supported - software emulation will be used for Nova instances
2022-04-25 13:44:57.108 - microstack_init - INFO - Configuring the Spice HTML5 console service...
2022-04-25 13:44:57.730 - microstack_init - INFO - Configuring Neutron
Waiting for 10.1.80.113:9696
2022-04-25 13:46:37.519 - microstack_init - INFO - Configuring Glance ...
Waiting for 10.1.80.113:9292
2022-04-25 13:47:20.718 - microstack_init - INFO - Adding cirros image ...
```

```
Ubuntu 20.04 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal
Apr 25 13:47
raghav@raghav-VirtualBox:~$ sudo microstack.init
Would you like to configure clustering? (yes/no) [default=no] > yes
2022-04-25 13:40:43.985 - microstack_init - INFO - Configuring clustering ...
Which role would you like to use for this node? "control" or "compute"? > control
Please enter the ip address of the control node [default=10.1.80.113] >
2022-04-25 13:40:51.357 - microstack_init - INFO - Setting up as a control node.
2022-04-25 13:40:55.404 - microstack_init - INFO - Generating TLS Certificate and Key
2022-04-25 13:41:05.973 - microstack_init - INFO - Configuring networking ...
2022-04-25 13:41:05.129 - microstack_init - INFO - Opening horizon dashboard up to *
2022-04-25 13:41:06.400 - microstack_init - INFO - Waiting for RabbitMQ to start ...
Waiting for 10.1.80.113:5672
2022-04-25 13:41:14.017 - microstack_init - INFO - RabbitMQ started!
2022-04-25 13:41:14.018 - microstack_init - INFO - Configuring RabbitMQ ...
2022-04-25 13:41:15.509 - microstack_init - INFO - RabbitMQ Configured!
2022-04-25 13:41:15.544 - microstack_init - INFO - Waiting for MySQL server to start ...
Waiting for 10.1.80.113:3306
2022-04-25 13:41:23.128 - microstack_init - INFO - Mysql server started! Creating databases ...
2022-04-25 13:41:25.241 - microstack_init - INFO - Configuring Keystone Fernet Keys ...
2022-04-25 13:41:42.410 - microstack_init - INFO - Bootstrapping Keystone ...
2022-04-25 13:41:55.204 - microstack_init - INFO - Creating service project ...
2022-04-25 13:42:02.370 - microstack_init - INFO - Keystone configured!
2022-04-25 13:42:02.413 - microstack_init - INFO - Configuring the Placement service...
2022-04-25 13:42:27.693 - microstack_init - INFO - Running Placement DB migrations...
2022-04-25 13:42:32.309 - microstack_init - INFO - Configuring nova control plane services ...
2022-04-25 13:42:47.283 - microstack_init - INFO - Running Nova API DB migrations (this may take a lot of time)...
2022-04-25 13:43:17.856 - microstack_init - INFO - Running Nova DB migrations (this may take a lot of time)...
Waiting for 10.1.80.113:8774
2022-04-25 13:44:21.428 - microstack_init - INFO - Creating default flavors...
2022-04-25 13:44:54.000 - microstack_init - INFO - Configuring nova compute hypervisor ...
2022-04-25 13:44:54.000 - microstack_init - INFO - Checking virtualization extensions presence on the host
2022-04-25 13:44:54.019 - microstack_init - WARNING - Unable to determine hardware virtualization support by CPU vendor id "GenuineIntel": assuming it is not supported.
2022-04-25 13:44:54.019 - microstack_init - WARNING - Hardware virtualization is not supported - software emulation will be used for Nova instances
2022-04-25 13:44:57.108 - microstack_init - INFO - Configuring the Spice HTML5 console service...
2022-04-25 13:44:57.730 - microstack_init - INFO - Configuring Neutron
Waiting for 10.1.80.113:9696
2022-04-25 13:46:37.519 - microstack_init - INFO - Configuring Glance ...
Waiting for 10.1.80.113:9292
2022-04-25 13:47:20.718 - microstack_init - INFO - Adding cirros image ...
2022-04-25 13:47:24.743 - microstack_init - INFO - Creating security group rules ...
2022-04-25 13:47:37.387 - microstack_init - INFO - Configuring the Cinder services...
```

Adding 1st compute node:



Ubuntu [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Terminal

Apr 25 14:03

chandra@chandra-VirtualBox: ~

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

```
chandra@chandra-VirtualBox: ~$ sudo snap install microstack --beta
[sudo] password for chandra:
microstack (beta) ussurl from Canonical: Installed
chandra@chandra-VirtualBox: ~$ sudo microstack.init
Would you like to configure clustering? (yes/no) [default=no] > yes
2022-04-25 14:03:21.421 - microstack_init - INFO - Configuring clustering ...
Which role would you like to use for this node: "control" or "compute"? > compute
```

39°C Sunny

ENG IN 02:03 PM 25-04-2022

Ubuntu [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Terminal

Apr 25 14:05

chandra@chandra-VirtualBox: ~

```
chandra@chandra-VirtualBox: ~$ sudo microstack.init
```

39°C Sunny

ENG IN 02:05 PM 25-04-2022

```
Ubuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Apr 25 14:07

chandra@chandra-VirtualBox: ~
chandra@chandra-VirtualBox:~$ sudo microstack.init
[sudo] password for chandra:
Would you like to configure clustering? (yes/no) [default=no] > yes
2022-04-25 14:05:29.498 - microstack_init - INFO - Configuring clustering ...
Which role would you like to use for this node: "control" or "compute"? > compute
Please enter the ip address of this node [default=10.1.74.135] >
1M2M2Mj0YmZ3D0mYyV3JlDnkqZ2hQlVp4MEc1SDhvbHh4aBtScnJldDpveEdN2ZFdKA=
2022-04-25 14:07:16.031 - microstack_init - INFO - Setting up as a compute node.
2022-04-25 14:07:22.417 - microstack_init - INFO - TLS certificates must be provided: config.tls.cacert-path, config.tls.cert-path, and config.tls.key-path.
```

```
Ubuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Apr 25 14:08

chandra@chandra-VirtualBox: ~
chandra@chandra-VirtualBox:~$ sudo microstack.init
[sudo] password for chandra:
Would you like to configure clustering? (yes/no) [default=no] > yes
2022-04-25 14:05:29.498 - microstack_init - INFO - Configuring clustering ...
Which role would you like to use for this node: "control" or "compute"? > compute
Please enter the ip address of this node [default=10.1.74.135] >
1M2M2Mj0YmZ3D0mYyV3JlDnkqZ2hQlVp4MEc1SDhvbHh4aBtScnJldDpveEdN2ZFdKA=
2022-04-25 14:07:16.031 - microstack_init - INFO - Setting up as a compute node.
2022-04-25 14:07:22.417 - microstack_init - INFO - TLS certificates must be provided: config.tls.cacert-path, config.tls.cert-path, and config.tls.key-path.
2022-04-25 14:07:23.874 - microstack_init - INFO - Configuring networking ...
2022-04-25 14:07:30.360 - microstack_init - INFO - Opening horizon dashboard up to *
2022-04-25 14:07:31.703 - microstack_init - INFO - Disabling local rabbit ...
2022-04-25 14:07:32.647 - microstack_init - INFO - Disabling local MySQL ...
2022-04-25 14:07:33.614 - microstack_init - INFO - Disabling the Placement service...
2022-04-25 14:07:34.541 - microstack_init - INFO - Disabling nova control plane services ...
2022-04-25 14:07:37.988 - microstack_init - INFO - Configuring nova compute hypervisor ...
2022-04-25 14:07:37.969 - microstack_init - INFO - Checking virtualization extensions presence on the host
2022-04-25 14:07:37.988 - microstack_init - WARNING - Unable to determine hardware virtualization support by CPU vendor id "GenuineIntel": assuming it is not supported.
2022-04-25 14:07:37.988 - microstack_init - WARNING - Hardware virtualization is not supported - Software emulation will be used for Nova instances
2022-04-25 14:07:41.105 - microstack_init - INFO - Configuring the Spice HTML5 console service...
2022-04-25 14:07:52.071 - microstack_init - INFO - Creating security group rules ...
2022-04-25 14:07:59.084 - microstack_init - INFO - Disabling Cinder services...
2022-04-25 14:08:15.714 - microstack_init - INFO - restarting libvirt and virtlogd ...
2022-04-25 14:08:39.995 - microstack_init - INFO - Complete. Marked microstack as initialized!
Would you like to setup extra services? (yes/no) [default=no] >
chandra@chandra-VirtualBox:~$
```



```
Ubuntu 20.04 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal
Apr 25 14:07
raghav@raghav-VirtualBox:~$ sudo microstack add-compute
[sudo] password for raghav:
Use the following connection string to add a new compute node to the cluster (valid for 20 minutes from this moment):
hkHob3hobnftZassKc4xLjgwLjE4M6tnaH5nZXJwcnludMggytIKryXJE2y3VQ0vwiqLCA/EK9j19H4IHzGfeymVbQlWtZIDa4HWEZ2DczMzfHYjRlYmZlHzMzJ0yM2E3OWMyYjJpbnNlY3JldnkgZ2hqLVp4MEc1SOHvbHh4a0tScnJldUpveEdnZDZFdKA=
raghav@raghav-VirtualBox:~$
```

```
Ubuntu 20.04 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal
Apr 25 14:09
raghav@raghav-VirtualBox:~$ sudo microstack add-compute
[sudo] password for raghav:
Use the following connection string to add a new compute node to the cluster (valid for 20 minutes from this moment):
hkHob3hobnftZassKc4xLjgwLjE4M6tnaH5nZXJwcnludMggytIKryXJE2y3VQ0vwiqLCA/EK9j19H4IHzGfeymVbQlWtZIDa4HWEZ2DczMzfHYjRlYmZlHzMzJ0yM2E3OWMyYjJpbnNlY3JldnkgZ2hqLVp4MEc1SOHvbHh4a0tScnJldUpveEdnZDZFdKA=
raghav@raghav-VirtualBox:~$ microstack openstack hypervisor list
-----
| ID | Hypervisor | Hostname | Hypervisor Type | Host IP | State |
-----+-----+-----+-----+-----+-----+
| 1 | raghav-VirtualBox | QEMU | 10.1.80.113 | up |
| 2 | chandra-VirtualBox | QEMU | 10.1.74.135 | up |
-----
raghav@raghav-VirtualBox:~$
```

```
Ubuntu 20.04 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal
Apr 25 14:10
raghav@raghav-VirtualBox:~$ sudo microstack add-compute
[sudo] password for raghav:
Use the following connection string to add a new compute node to the cluster (valid for 20 minutes from this moment):
hkHob3hobnFzZassK4xLjgwLJEH6MtnaH5nZxJwcnledMqpsytIKryXJE2y3VQbvwqLCA/EX9j19H4IH2GfeymVbQlWZID0A4MEZ2DczMzfHYjRlYnZLhZmJ0yM2E30WMyWJnnpNLy3JLdnkgZ2hQLVp4MEc1S0hvbhh4a0T5cnJldUpveEdnZDZfDkA=
raghav@raghav-VirtualBox:~$ microstack.openstack hypervisor list
-----
| ID | Hypervisor | Hostname | Hypervisor Type | Host IP | State |
-----
| 1 | raghav-VirtualBox | QEMU | 10.1.80.113 | up |
| 2 | chandra-VirtualBox | QEMU | 10.1.74.135 | up |
-----
raghav@raghav-VirtualBox:~$ sudo snap get microstack config.credentials.keystone-password
PIFjAk2453tBLf61SQfHNPbD3RH8FN
raghav@raghav-VirtualBox:~$
```

```
Ubuntu 20.04 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal
Apr 25 14:12
raghav@raghav-VirtualBox:~$ sudo microstack add-compute
[sudo] password for raghav:
Use the following connection string to add a new compute node to the cluster (valid for 20 minutes from this moment):
hkHob3hobnFzZassK4xLjgwLJEH6MtnaH5nZxJwcnledMqpsytIKryXJE2y3VQbvwqLCA/EX9j19H4IH2GfeymVbQlWZID0A4MEZ2DczMzfHYjRlYnZLhZmJ0yM2E30WMyWJnnpNLy3JLdnkgZ2hQLVp4MEc1S0hvbhh4a0T5cnJldUpveEdnZDZfDkA=
raghav@raghav-VirtualBox:~$ microstack.openstack hypervisor list
-----
| ID | Hypervisor | Hostname | Hypervisor Type | Host IP | State |
-----
| 1 | raghav-VirtualBox | QEMU | 10.1.80.113 | up |
| 2 | chandra-VirtualBox | QEMU | 10.1.74.135 | up |
-----
raghav@raghav-VirtualBox:~$ sudo snap get microstack config.credentials.keystone-password
PIFjAk2453tBLf61SQfHNPbD3RH8FN
raghav@raghav-VirtualBox:~$ microstack launch cirros --name one --availability-zone nova:chandra-VirtualBox
Creating local "microstack" ssh key at /home/raghav/snap/microstack/common/.ssh/id_microstack
Launching server ...
Allocating floating ip ...
Server one launched! (status is BUILD)

Access it with 'ssh -i /home/raghav/snap/microstack/common/.ssh/id_microstack cirros@10.20.20.235'
You can also visit the OpenStack dashboard at https://10.20.20.1:443
raghav@raghav-VirtualBox:~$
```


Ubuntu 20.04 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Firefox Web Browser Apr 25 14:14

OpenStack for the edge: Instances - OpenStack

openstack admin

Project / Compute / Instances

Instances

Instance ID ▾ Filter Launch Instance Delete Instances More Actions ▾

Displaying 1 item

Instance Name	Image Name	IP Address	Flavor	Key Pair	Status	Availability Zone	Task	Power State	Age	Actions	
one	cirros	192.168.222.225, 10.20.20.235	m1.tiny	microstack	Active	az1	nova	None	Running	1 minute	Create Snapshot ▾

Displaying 1 item

Project / Compute / Instances

Overview Images Key Pairs Server Groups Volumes Network Admin Identity

39°C Sunny 14:14 25-04-2022

Ubuntu 20.04 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Firefox Web Browser Apr 25 14:14

OpenStack for the edge: one - OpenStack Dashboard

openstack admin

Project / Compute / Instances / one

one

Create Snapshot ▾

Overview Interfaces Log Console Action Log

Name one
ID 5ec95565-06ee-4a2f-aa71-9fd5420f409
Description one
Project ID 739c3be729b4f6e93ba05574613e0b
Status Active
Locked False
Availability Zone nova
Created April 25, 2022, 8:42 a.m.
Age 1 minute
Host chandra-VirtualBox

Specs

Flavor Name	m1.tiny
Flavor ID	1
RAM	512MB
VCPU	1 VCPU
Disk	1GB

IP Addresses

test	192.168.222.225, 10.20.20.235
------	-------------------------------

Security Groups

default	ALLOW IPv4 from default ALLOW IPv4 22:tcp from 0.0.0.0 ALLOW IPv6 from default ALLOW IPv6 to ::0 ALLOW IPv4 icmp from 0.0.0.0 ALLOW IPv4 to 0.0.0.0
---------	--

Metadata

Project / Compute / Instances / one

Overview Images Key Pairs Server Groups Volumes Network Admin Identity

39°C Sunny 14:14 25-04-2022

```
Ubuntu 20.04 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal Apr 25 15:01
raghav@raghav-VirtualBox:~$ microstack.openstack hypervisor list
+-----+
| ID | Hypervisor | Hostname | Hypervisor Type | Host IP | State |
+-----+
| 1 | raghav-VirtualBox | QEMU | 10.1.80.113 | up |
| 2 | chandra-VirtualBox | QEMU | 10.1.74.135 | up |
+-----+
raghav@raghav-VirtualBox:~$ sudo microstack add-compute
[sudo] password for raghav:
Use the following connection string to add a new compute node to the cluster (valid for 20 minutes from this moment):
hkhob3NobnftZasshC4xJgwJEXM6MtnaSnZKwcludmQpdytkRyXJE2y3VQbviqLCK/EK9j19H4IH2GFeymVbqLAWTZIGESNDIXYmZNNLMDQ3NjFhTdmDZkZj1h0DcwzRlPnNLY3JldNkgQWRDZH2RVfAKXVtZ8a3Vtdfp15n9lCJWS91elk=
raghav@raghav-VirtualBox:~$ microstack.openstack hypervisor list
+-----+
| ID | Hypervisor | Hostname | Hypervisor Type | Host IP | State |
+-----+
| 1 | raghav-VirtualBox | QEMU | 10.1.80.113 | up |
| 2 | chandra-VirtualBox | QEMU | 10.1.74.135 | up |
| 3 | aditya-VirtualBox | QEMU | 10.1.73.125 | up |
+-----+
raghav@raghav-VirtualBox:~$
```

```
Ubuntu 20.04 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal Apr 25 15:03
raghav@raghav-VirtualBox:~$ microstack.openstack hypervisor list
+-----+
| ID | Hypervisor | Hostname | Hypervisor Type | Host IP | State |
+-----+
| 1 | raghav-VirtualBox | QEMU | 10.1.80.113 | up |
| 2 | chandra-VirtualBox | QEMU | 10.1.74.135 | up |
+-----+
raghav@raghav-VirtualBox:~$ sudo microstack add-compute
[sudo] password for raghav:
Use the following connection string to add a new compute node to the cluster (valid for 20 minutes from this moment):
hkhob3NobnftZasshC4xJgwJEXM6MtnaSnZKwcludmQpdytkRyXJE2y3VQbviqLCK/EK9j19H4IH2GFeymVbqLAWTZIGESNDIXYmZNNLMDQ3NjFhTdmDZkZj1h0DcwzRlPnNLY3JldNkgQWRDZH2RVfAKXVtZ8a3Vtdfp15n9lCJWS91elk=
raghav@raghav-VirtualBox:~$ microstack.openstack hypervisor list
+-----+
| ID | Hypervisor | Hostname | Hypervisor Type | Host IP | State |
+-----+
| 1 | raghav-VirtualBox | QEMU | 10.1.80.113 | up |
| 2 | chandra-VirtualBox | QEMU | 10.1.74.135 | up |
| 3 | aditya-VirtualBox | QEMU | 10.1.73.125 | up |
+-----+
raghav@raghav-VirtualBox:~$ microstack launch cirros --name two --availability-zone nova:aditya-VirtualBox
Launching server ...
```

All the nodes have been successfully integrated with the service. The first node in the list is the control node and the remaining ones are for compute.

```
Ubuntu 20.04 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

raghav@raghav-VirtualBox:~$ microstack.openstack hypervisor list
+-----+
| ID | Hypervisor | Hostname | Hypervisor Type | Host IP | State |
+-----+
| 1 | raghav-VirtualBox | QEMU | 10.1.80.113 | up |
| 2 | chandra-VirtualBox | QEMU | 10.1.74.135 | up |
+-----+

raghav@raghav-VirtualBox:~$ sudo microstack add-compute
[sudo] password for raghav:
Use the following connection string to add a new compute node to the cluster (valid for 20 minutes from this moment):
hbob3H0bP7ZasxK4atJgwJ3tK6tma5nSZDwclcdMqdyt1KryX123jVQbVnqLCA/EK9j19H4IHzGfeymVb6qlWTZIG5NDIXYmZWNkLHQ3NjFhNTdhdWZkZj1hODcwYzRlbnNlY3JldnkgOWR0ZHR2RVFAKXVT28za3Vtdp15n9lclJWS9lelk=
raghav@raghav-VirtualBox:~$ microstack.openstack hypervisor list
+-----+
| ID | Hypervisor | Hostname | Hypervisor Type | Host IP | State |
+-----+
| 1 | raghav-VirtualBox | QEMU | 10.1.80.113 | up |
| 2 | chandra-VirtualBox | QEMU | 10.1.74.135 | up |
| 3 | aditya-VirtualBox | QEMU | 10.1.73.125 | up |
+-----+

raghav@raghav-VirtualBox:~$ microstack launch cirros --name two --availability-zone nova:aditya-VirtualBox
Launching server ...
Allocating Floating IP ...
Server two launched! (status is BUILD)

Access it with 'ssh -i /home/raghav/snap/microstack/common/.ssh/id_microstack cirros@10.20.20.48'
You can also visit the Openstack dashboard at https://10.20.20.1:443
raghav@raghav-VirtualBox:~$
```

Ubuntu 20.04 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

two - OpenStack Dashboard

openstack admin

Project / Compute / Instances / two

two

Overview Interfaces Log Console Action Log

Name: two
ID: ac3c8609-15c3-4122-b29b-a6ecea60b0dd
Description: two
Project ID: 739c3be72954f6e93ba05574613e0b
Status: Active
Locked: False
Availability Zone: nova
Created: April 25, 2022, 9:33 a.m.
Age: 0 minutes
Host: aditya-VirtualBox

Specs

Flavor Name: m1.tiny
Flavor ID: 1
RAM: 512MB
VCPU: 1 VCPU
Disk: 1GB

IP Addresses

test: 192.168.222.217, 10.20.20.48

Security Groups

default: ALLOW IPv4 from default
ALLOW IPv4 22:tcp from 0.0.0.0
ALLOW IPv6 from default
ALLOW IPv6 to ::0
ALLOW IPv4 icmp from 0.0.0.0
ALLOW IPv4 to 0.0.0.0

Metadata

