Instituto Tecnológico de Morelia

practica 6

Taller de sistemas operativos

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primero, instalamos microstack con **snap install microstack - - beta**

```
Download snap "microstack" (245) from channel "beta"
microstack (beta) ussuri from Canonical✓ installed
```

despues, con snap list microstack para ver la version y detalles de nuestra instalacion

```
vboxuser@ubuntu1:~$ snap list microstack
Name        Version  Rev  Tracking     Publisher   Notes
microstack  ussuri   245  latest/beta  canonical✓  -
```

ahora, tuve un problema que basicamente en el comando que deberia seguir, entraba en conflicto una version que yo tenia de mysql y la del microstack(seguramente por el puerto), entonces deshabilite la que yo tenia con 2 comandos

- sudo systemctl stop mysql
- sudo systemctl disable mysql

despues de eso, la instalacion continuó sin problemas

```
vboxuser@ubuntu1:~$ sudo microstack init --auto --control
2025-05-01 03:31:18,088 - microstack_init - INFO - Configuring clustering ...
2025-05-01 03:31:18,583 - microstack_init - INFO - Setting up as a control node.
2025-05-01 03:31:25,455 - microstack_init - INFO - Generating TLS Certificate and Key
2025-05-01 03:31:27,042 - microstack_init - INFO - Configuring networking ...
2025-05-01 03:31:39,149 - microstack_init - INFO - Opening horizon dashboard up to *
2025-05-01 03:31:41,060 - microstack_init - INFO - Waiting for RabbitMQ to start ...
Waiting for 10.0.2.15:5672
2025-05-01 03:31:42,120 - microstack_init - INFO - RabbitMQ started!
2025-05-01 03:31:42,121 - microstack_init - INFO - Configuring RabbitMQ ...
2025-05-01 03:31:43,924 - microstack_init - INFO - RabbitMQ Configured!
2025-05-01 03:31:44,007 - microstack_init - INFO - Waiting for MySQL server to start ...
Waiting for 10.0.2.15:3306
2025-05-01 03:40:19,617 - microstack_init - INFO - Mysql server started! Creating databases ...
2025-05-01 03:40:26,132 - microstack_init - INFO - Configuring Keystone Fernet Keys ...
2025-05-01 03:41:14,505 - microstack_init - INFO - Bootstrapping Keystone ...
2025-05-01 03:41:34,093 - microstack_init - INFO - Creating service project ...
2025-05-01 03:41:44,046 - microstack_init - INFO - Keystone configured!
2025-05-01 03:41:44,160 - microstack_init - INFO - Configuring the Placement service...
2025-05-01 03:42:16,280 - microstack_init - INFO - Running Placement DB migrations...
2025-05-01 03:42:25,281 - microstack_init - INFO - Configuring nova control plane services ...
2025-05-01 03:42:47,094 - microstack_init - INFO - Running Nova API DB migrations (this may take a lot of time)...
2025-05-01 03:43:40,699 - microstack_init - INFO - Running Nova DB migrations (this may take a lot of time)...
Waiting for 10.0.2.15:8774
2025-05-01 03:46:24,201 - microstack_init - INFO - Creating default flavors...
2025-05-01 03:47:14,373 - microstack_init - INFO - Configuring nova compute hypervisor ...
2025-05-01 03:47:14,373 - microstack_init - INFO - Checking virtualization extensions presence on the host
2025-05-01 03:47:14,443 - microstack_init - WARNING - Unable to determine hardware virtualization support by CPU vendor id "AuthenticAMD": assuming it i
s not supported.
2025-05-01 03:47:14,444 - microstack_init - WARNING - Hardware virtualization is not supported - software emulation will be used for Nova instances
2025-05-01 03:47:21,937 - microstack_init - INFO - Configuring the Spice HTML5 console service...
2025-05-01 03:47:23,335 - microstack_init - INFO - Configuring Neutron
```

ahora con **microstack.openstack image list** nos muestra las imagenes instaladas.

```
vboxuser@ubuntu1:~$ microstack.openstack image list
+--------------------------------------+--------+--------+
| ID                                   | Name   | Status |
+--------------------------------------+--------+--------+
| 37c51f61-e8fb-45ff-9215-2483c2a76e54 | cirros | active |
+--------------------------------------+--------+--------+
vboxuser@ubuntu1:~$
```

ahora vemos la lista de posibles recursos asignables a una VM

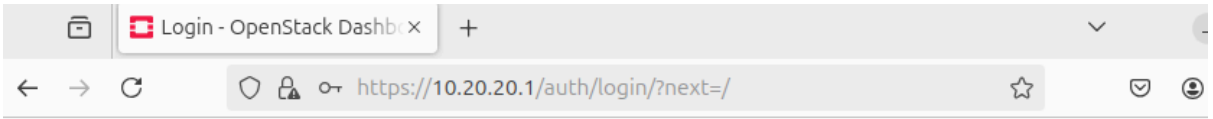
```
vboxuser@ubuntu1:~$ microstack.openstack flavor list
+----+-----------+-------+------+-----------+-------+-----------+
| ID | Name      |   RAM | Disk | Ephemeral | VCPUs | Is Public |
+----+-----------+-------+------+-----------+-------+-----------+
| 1  | m1.tiny   |   512 |    1 |         0 |     1 | True      |
| 2  | m1.small  |  2048 |   20 |         0 |     1 | True      |
| 3  | m1.medium |  4096 |   20 |         0 |     2 | True      |
| 4  | m1.large  |  8192 |   20 |         0 |     4 | True      |
| 5  | m1.xlarge | 16384 |   20 |         0 |     8 | True      |
+----+-----------+-------+------+-----------+-------+-----------+
```

Ahora iniciamos una instancia basada en la imagen de cirros, llamada test/prueba

```
vboxuser@ubuntu1:~$ microstack launch cirros -n test
Creating local "microstack" ssh key at /home/vboxuser/snap/microstack/common/.ssh/id_mi
crostack
Launching server ...
Allocating floating ip ...
Server test launched! (status is BUILD)

Access it with `ssh -i /home/vboxuser/snap/microstack/common/.ssh/id_microstack cirros@
10.20.20.146`
You can also visit the OpenStack dashboard at https://10.20.20.1:443
```

y en el navegador, dentro de ubuntu entramos a esa ip, donde en usuario pondremos admin y en contraseña la que nos de con el comando **sudo snap get microstack config.credentials.keystone-password**




y listo jjjj