

COMPTE RENDU

TP 5 : Déployer un Serveur MySQL sur OpenStack

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Télécharger l'image Ubuntu Cloud:

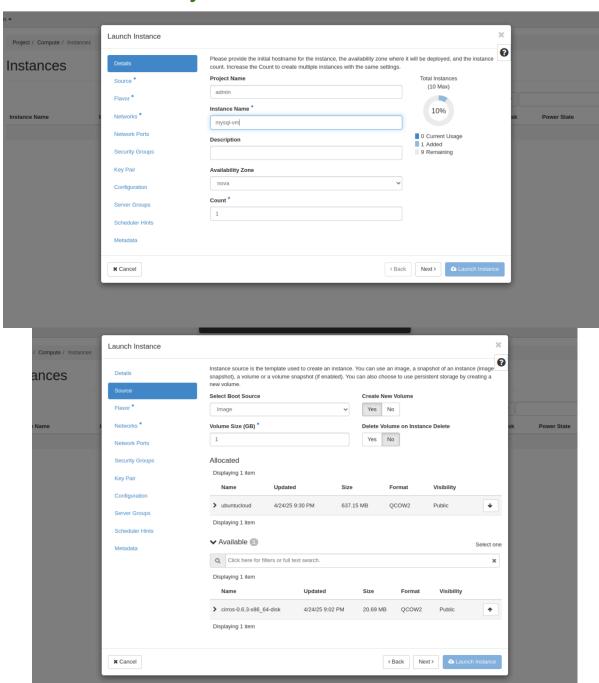
Créer une image sur OpenStack :

<u>openstack image create --disk-format qcow2 --container-format bare - public ubuntucloud</u>





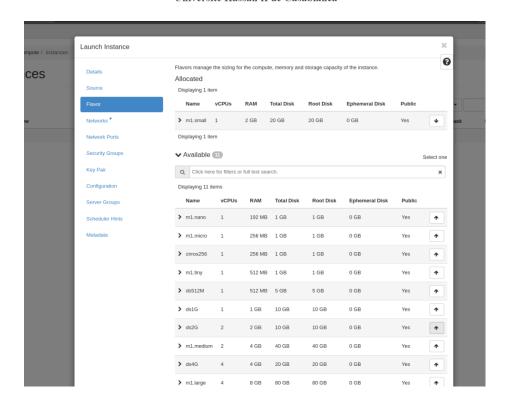
Créer une instance MySQL:

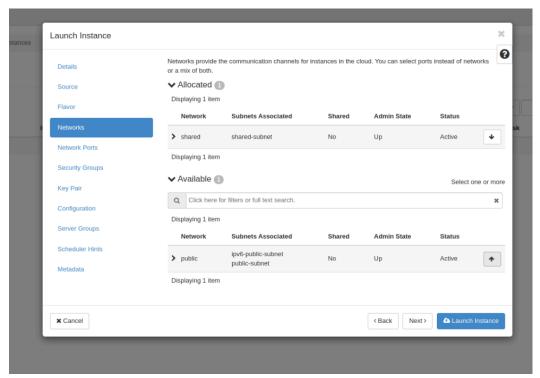




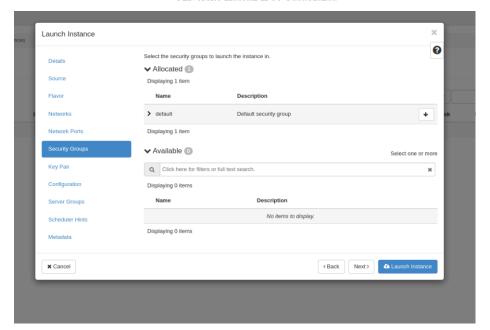
المدرسة العليا للتكنولوجيا جامعة الحسن الثاني الدار البيضاء Ecole Supérieure de Technologie

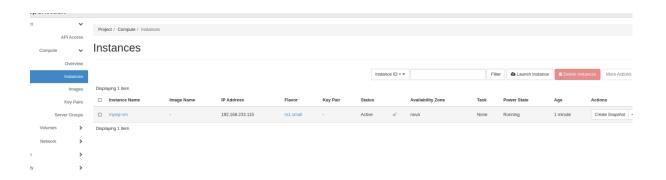
Université Hassan II de Casablanca



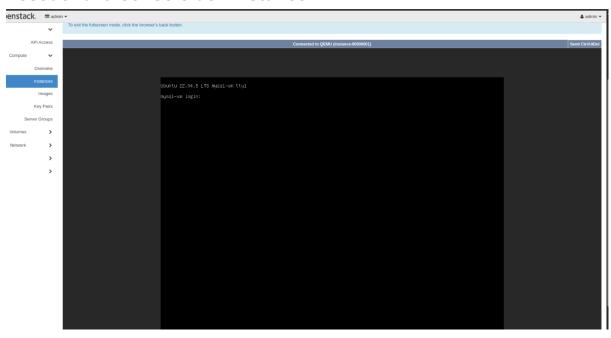








Accéder à la console de l'instance :

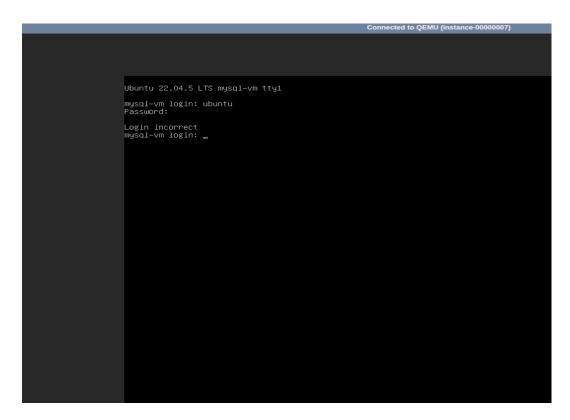




Attribuer une IP flottante:

Displaying 1 item													
☐ Instance N	ame	Image Name	IP Address	Flavor	Key Pair	Status		Availability Zone	Task	Power State	Age	Actions	
□ mysql-vm		ubuntucloud	192.168.233.234, 172.24.4.50	m1.small	mykey	Active	 ^	nova	None	Running	10 minutes	Create Snapshot	

Connexion à l'instance :





Installation et sécurisation de MySQL:

```
ubuntu@mysql-vm:~$ sudo apt update && sudo apt install mysql-server -y

Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]

Hit:2 http://archive.ubuntu.com/ubuntu jammy InRelease

Get:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]

Get:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]

Get:5 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [2266 kB]

Get:6 http://archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]

Get:7 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [346 kB]

Get:8 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [3238 kB]

Get:10 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [577 kB]

Get:11 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [973 kB]

Get:12 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [209 kB]
```

Sécurisez l'installation avec :

sudo mysql_secure_installation

```
ubuntu@mysql-vm:~$ sudo mysql_secure_installation

Securing the MySQL server deployment.

Connecting to MySQL using a blank password.

VALIDATE PASSWORD COMPONENT can be used to test passwords and improve security. It checks the strength of password and allows the users to set only those passwords which are secure enough. Would you like to setup VALIDATE PASSWORD component?

Press y|Y for Yes, any other key for No: y

There are three levels of password validation policy:

LOW Length >= 8

MEDIUM Length >= 8, numeric, mixed case, and special characters
```



Créez un utilisateur MySQL accessible à distance:

```
ubuntu@mysql-vm:-$ sudo mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 11
Server version: 8.0.41-0ubuntu0.22.04.1 (Ubuntu)
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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> CREATE USER 'admin'@'%' IDENTIFIED BY 'lbp-6600';
Ouery OK & rows afforted (0.04 cos)
```

Accès distant à MySQL:

```
stack@openstack:~/devstack$ mysql -u admin -p -h 172.24.4.222
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.41-0ubuntu0.22.04.1 (Ubuntu)

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```