1. Create a new EC2 instance with the following specifications and establish a connection to it using both **Instance Connect** and **SSH**:

* **EC2 Name:** **studentname-ec2**
* **OS Image:** Ubuntu
* **Key Pair:** **MLOps**

**Network Settings:**

* **VPC:** **vpc-ec2-public**
* **Subnet:** **ec2-public-subnet**
* **Auto-assign Public IP:** Enable
* **Security groups: MLOps-ec2-security**

**Storage Configuration:**

* **Volume Size:** 8 GiB

**Instance type:**

* t2.micro

1. Change instance state to stop instance and then change the Instance type to **t1.micro**
2. Change the instance state to start again and add a new file in the server called ‘my-file.txt’ with your name inside (Login with SSH).
3. Enter Monitoring tab and check the “**CPU utilzation (%)**” for the last 10min
4. Create new image from your instance with name: “studentname\_image” and check that you images is show in Images -> AMIs
5. **Terminate your instance**
6. Create new instance (same as the first one) but change the OS Images to be your new image
7. **Terminate the new instance**

Bonus tasks:

* install Docker on your EC2
* Download and Run postgres Image on EC2 (as docker)

#### connect to EC2:

* Change permissions:
  + chmod 400 MLOps\_new.pem
* Connect with SSH
  + ssh -i MLOps.pem ubuntu@YOUR\_PUBLIC\_IP
  + If you are on linux/Mac you may need to add “sudo”