## **Get your Ubuntu Server Ready**

### **Step 1 : Install Pacakge :**

Once the server is ready access the server using SSH and update the package and install the upgrade and reboot.

sudo apt update

Now let us ensure to update the packages, use the below command to upgrade the available packages

sudo apt dist-upgrade

Let us now ensure that all the required packages are upgraded, to do this let us reboot the server

sudo reboot

### **Step 2 : Install maas on Ubuntu :**

Let us now install maas version 3.4 which is current right now , we will use snap to isntall maas.

sudo snap install --channel=3.4 maas

Now maas is installed but you need to ensure to disable the timesynced service to avoid conflict with maas.

sudo systemctl disable --now systemd-timesyncd

If you are testing it you can use testdb to test maas, but for a production environment, you will need to install the databse server. Move to step3.

### **Step 3 : Install and configure Postgres Database Server**

We will setup for the production environment you will need to install Postgres database, use the following command to install the latest version.

sudo apt install -y postgresql

If the database is successfully install you will need to reboot the server

sudo reboot

Step 4 : Create Database Server user, password and then database. In my example I am using “maas” as user “maaspass” as password, you can chose the user and password of your choice

sudo -i -u postgres psql -c "CREATE USER \"maas\" WITH ENCRYPTED PASSWORD 'maaspass'"

Now the user and password is created, let us now create the database for the user ‘maas’, my database name is “maasdb”

sudo -i -u postgres createdb -O "maas" "maasdb"

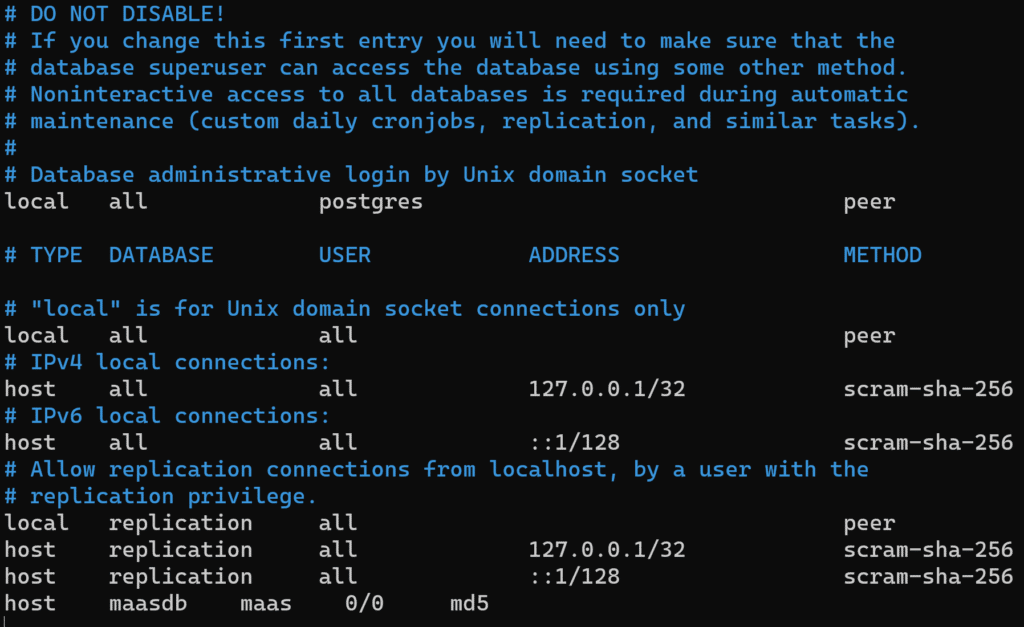
Now the database is successfuly created at above step, you need to edit the configuration of the databse by using below command

sudo nano /etc/postgresql/14/main/pg\_hba.conf

add below lines at the end of the configuration in the existing configuration of the above file

host maasdb maas 0/0 md5

the configuration file at the end will look live below



Now exit the file and save it.

### **Step 5 : Initialize maas**

Now it will get installed, once the maas is installed you need to initialize with the databse name, host name . Suppose if you have used above database configuration you will use below command to initilize maas;

sudo maas init region+rack --database-uri "postgres://maas:maaspass@localhost/maasdb"

In above command maas is user and maaspass is password for localhost as database server and maasdb is database.

Congratulations, maas is now initialized. Now you need to setup the admin password.

### **Step 6 : Setup admin credentials for maas**

You will need to use below command to setup admin password;

sudo maas createadmin

user required details to setup the credentials i used below

Usernam : amjid Password : syncbricks Again : syncbricks Email : amjid@syncbricks.com Import SSH Keys

Congratulations your maas is ready now you can login

## **Login to MAAS using Web Browser**

Now maas is installed and it will be running at port 5240, in my case the Server IP is 192.168.240.1 so below was URL in my case

http://192.168.240.7:5240/MAAS

Enter User and Password which wet setup initially. Now you must do some configuration

Connectivity configuration and Ubuntu Archive. Chose Ready images that can be used for installation.

