Steps to run MME

**Open Ubuntu terminal and enter the command as shown below:**

**Prerequisites**

Build Essentials and Docker

The commands for installing both are:

* sudo apt-get install -y build-essential
* sudo snap install docker
* sudo su
* modprobe tipc

Steps to MME

**Note**: Follow any one method to run MME

Method 1 : Pull docker image from docker hub

sudo docker pull dksan23/nucleus

1. Run the latest docker image

* sudo docker run -it dksan23/nucleus

The above command takes you inside the docker container.

Follow the below commands to change the IP in the configuration files:

* cd /openmme/target/conf/
* **vim mme.json**

ip\_addr : IP address of MME

enb\_addr : IP address of enodeB

You can add new PLMNs in "plmnlist"

* **vim s1ap.json**

s1ap\_local\_addr : IP of s1ap interface to which enodeB is connect to

You can add new PLMNs in "plmnlist"

* **vim s11.json**

egtp\_local\_addr : IP address of s11

sgw\_addr : IP address of serving gateway

pgw\_addr : IP address of PDN gateway

* **vim s6a.json**

You can configure below parameters as per requirement:

hss\_type, host\_name and realm

* **vim s6a\_fd.conf**

You can change "Identity" and "Realm" of MME

ConnectPeer = "hss.openair4G.eur" (HSS identity)

ConnectTo = "192.168.1.55" (HSS ip address)

2. Use the following the command to run the MME server script.

* ./run.sh

**OR**

Method 2:

Steps to build and run MME code using docker.  
 1. Clone the Nucleus MME repo and go inside the repo

* git clone <https://github.com/omec-project/Nucleus.git>
* cd Nucleus

2. Build the docker image

* sudo make docker-build

**Note:** In case, the above command does not work use the normal docker build command.

3. Check for the latest image of docker by using the following command

* sudo docker images

4. Copy the image id of latest image  
 5. Run the latest docker image

* sudo docker run -it <image\_id>

The above command takes you inside the docker container.

6. Use the following the command to run the MME server script.

* ./run.sh

**Note:** In case, you get an error to run the script, perform the following steps:

* $ cd lib
* $ cp \* /usr/local/lib
* $ cd /usr/local/lib
* $ ldconfig
* $ cd - && cd ..
* $ ./run/sh