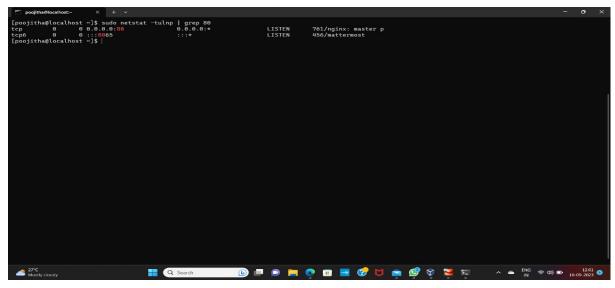
## **Networking Advanced**

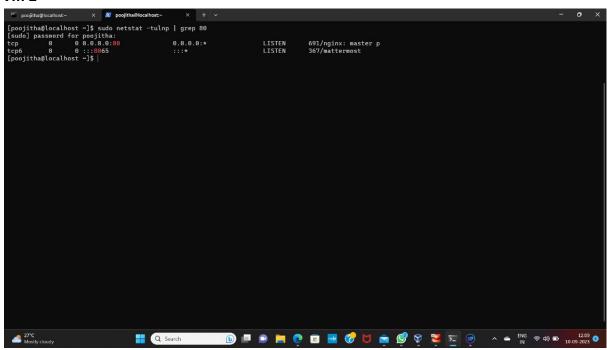
## **Pre-Requests:**

- 1. Have two Virtual Box machines. Lets say VM1 and VM2
- 2. Run Nginx on 80 port in both the machines.
- 3. Run Mattermost on 8065 port in both the machines

#### A: vm1

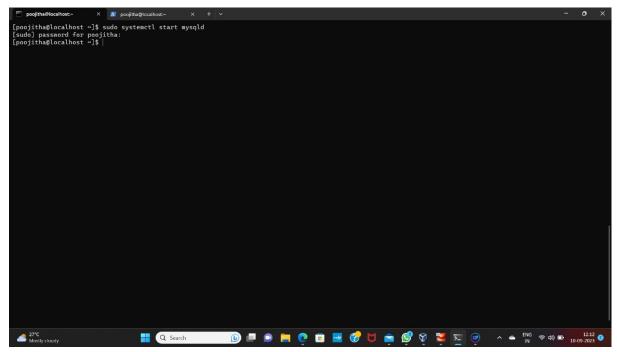


#### Vm 2



4. Run MySQL only in first machine (VM1)

A:



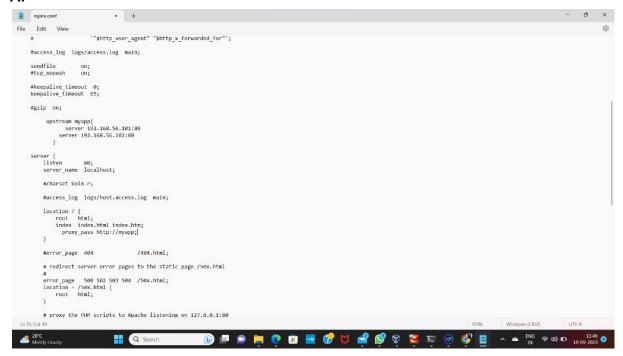
5. Change MatterMost config in VM2 to point to VM1 MySQL

A:

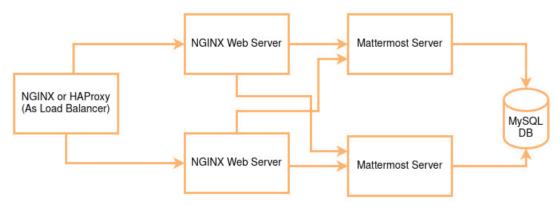
```
},
"SqlSettings": {
"DriverName": "mysql",
"DataSourcee": "muser:Rathod@416@tcp(192.168.56.101:3306)/mattermost?charset=uft8mb4,utf8\u0026writeTimeout=30s",
"DataSourceSeplicas": [],
"DataSourceSearchReplicas": [],
"DataSourceSearchReplicas": [],
"MaxIaleConns": 20,
"ConnMaxLifetimeMilliseconds": 3600000,
"ConnMaxLifetimeMilliseconds": 3600000,
"MaxOpenConns": 300,
"MaxOpenConns": 300,
"MaxOpenConns": 300,
"Trace": false,
```

6. Install nginx server in your windows and add proxy config to point to both VM1 and VM2 NGINX

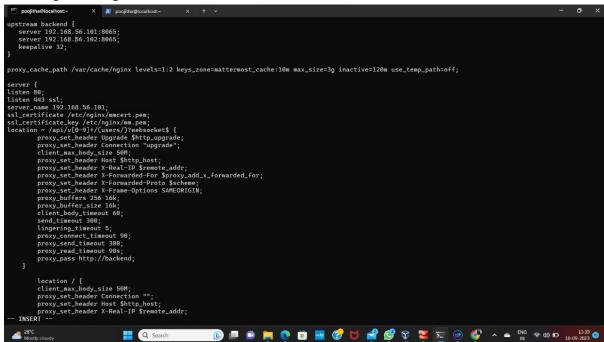
A:



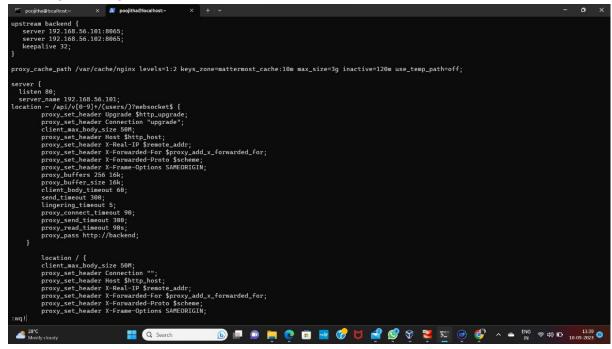
- 7. Refer Attached Logical Architecture diagram Steps:
- 1. confiugre nginx.conf file as attached in the doc



## Pointing vm 1 nginx to vm 2 mattermost



## Pointing vm 2 nginx to vm 1 mattermost

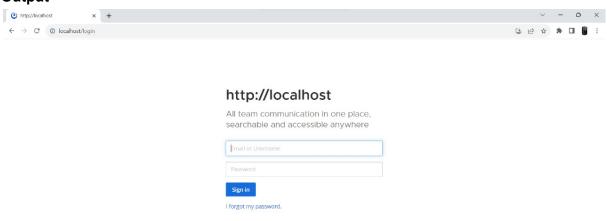


Run localhost url in your browser for the following scenarios a-> server 1 up and server 2 down, server 1 down server 2 is up, both serv

#### A: SCENARIO 1

Vm 1 up and vm 2 down

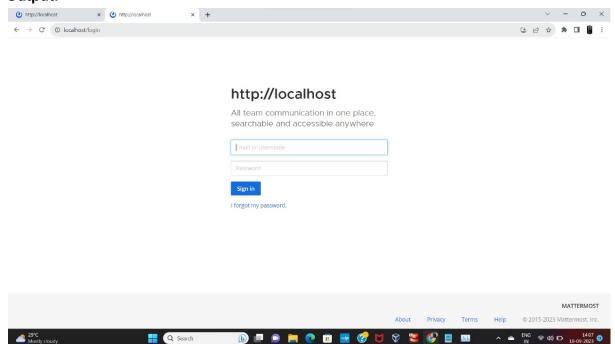
### Output





# SCENARIO 2: vm 2 up and vm 1 down

## **Output:**



# SCENARIO 3: both nginx are down

### **Output:**

