Memsql Installation steps:

Once your Ubuntu VM is setup and you are logged into it, Open terminal using “Alt + Ctrl + t” and run the following command:

sudo apt-get update

this will update the ubuntu packages. Let it complete and then we can do the next steps.

MEMSQL INSTALL STEPS (1-4)

Step 1:
wget -O - 'https://release.memsql.com/release-aug2018.gpg' 2>/dev/null | sudo apt-key add - && apt-key list

setp2:
apt-cache policy apt-transport-https

##if not installed install using following command##

sudo apt -y install apt-transport-https

Step 3:
echo "deb [arch=amd64] https://release.memsql.com/production/debian memsql main" | sudo tee /etc/apt/sources.list.d/memsql.list

Step 4:
sudo apt update && sudo apt -y install memsql-client memsql-toolbox memsql-studio

MEMSQL DEPLOY STEPS:

To deploy memsql you'll require its license .
To get the free license you will have to create account on memsql
you can do it from here:

https://www.memsql.com/free/

Sign up and log into it. After logging in you will see license tab from there you will have to copy your license key.

Step 5:

memsql-toolbox-config register-host --localhost --host <IP_address>

Step 6:
memsql-toolbox-config list-hosts

memsql-deploy install --all --version 7.1

Step 7:

Host names must be unique across the cluster, so the IP address of the host will be used
The three commands to create three nodes will look like :

memsql-admin create-node --host <IP_address> --password <secure_password>

###make sure to keep the password simple and remember it. I would recommend keeping password as "root" for all nodes.

1. memsql-admin create-node --host 10.2.0.15 --password root --port 3306
**Copy memsql-id from its output

From the output of the `create-node` command, copy the **MemSQL ID** of your recently-created node. You will need this for the next steps.

2. memsql-admin bootstrap-aggregator --memsql-id <MemSQL_ID> --license [YOUR LICENSE KEY]

Now we will create one more node and will make it aggregator node:

3. memsql-admin create-node --host 10.2.0.15 --password root --port 3307

**Copy memsql-id from its output
4. memsql-admin add-aggregator --memsql-id <MemSQL_ID> --password <secure_password>

Now we will create one leaf node with different port

5. memsql-admin create-node --host 10.2.0.15 --password root --port 3308
**Copy memsql-id from its output

6. memsql-admin add-leaf --memsql-id <MemSQL_ID> --password <secure_password>

Analyze your current cluster configuration using the `optimize` command. This command checks your current cluster configuration against a set of best practices and either makes changes to maximize performance or provides recommendations for you.

7. memsql-admin optimize

To start MEMSQL STUDIO:

sudo systemctl start memsql-studio

in that use exciting cluster
ad username as : root
password: <the one you set while creating nodes>