INSTALL PROCEDURE

Install MongoDB Community Edition on Ubuntu — MongoDB Manual

https://docs.mongodb.com/manual/tutorial/install-mongodb-on-ubuntu/

sudo systemctl start mongod

sudo systemctl status mongod

--so that it start a boot time

sudo systemctl enable mongod

sudo systemctl stop mongod

sudo systemctl restart mongod

# The mongo Shell

https://docs.mongodb.com/manual/mongo

FOUND WHERE INSTALLED

sudo updatedb

locate -b '\mongo'

Have file manager gain admin right

sudo nautilus /

Change server name

change name in both file and reboot

/etc/hostname

/etc/hosts

hostnamectl To verify that the hostname was successfully changed,

Acces from window with name (ubuntu\_luc)

we have reserve DHCP in videotron modem DHCP table

192.168.0.147 ubuntuluc

**Accessing from Window**

c:\windows\system32\drivers\etc\hosts

192.168.0.147 ubuntuluc

List user in Unix

*etc/*passwd

etc/shadow

list norma user >getent passwd {1000..60000}

check firewall

sudo ufw status

sudo ufw disable

sudo ufw enable

sudo ufw allow ssh

sudo ufw allow 22

sudo ufw enable

sudo ufw status

openssh

sudo apt-get install -y openssh-server openssh-client

service sshd status

sudo cp /*etc/*ssh/sshd\_config /etc/ssh/sshd\_config.original-copy

in sshd\_config uncomment :PubkeyAuthentication yes

sudo /*etc*/init.d/ssh restart

samba

sudo apt install samba samba-common python-dnspython

sudo cp /etc/samba/smb.conf /etc/samba/smb.conf.orig

[**https://linuxize.com/post/how-to-install-and-configure-samba-on-ubuntu-18-04/**](https://linuxize.com/post/how-to-install-and-configure-samba-on-ubuntu-18-04/)

sudo apt install samba

sudo systemctl status smbd

sudo ufw allow 'Samba'

**BACK TO MONGO**

**https://linuxize.com/post/how-to-setup-a-firewall-with-ufw-on-ubuntu-18-04/**

sudo ufw status verbose

sudo ufw app list

sudo ufw allow from 192.168.0.166 to any port 27017

**/etc/mongod.conf and add a line like this:**

security:

authorization: "disabled"

doesnt work :sudo **service mongodb restart**

this work

sudo systemctl restart mongodb

mongo mongodb://**localhost**:**27017**

sudo lsof -iTCP -sTCP:LISTEN | grep mongo

luc@ubuntuluc:~$ sudo lsof -iTCP -sTCP:LISTEN | grep mongo

[sudo] password for luc:

mongod 3371 mongodb 11u IPv4 419588 0t0 TCP localhost:27017 (LISTEN)

get in : > mongo

**> db.runCommand({whatsmyuri : 1})**

**{ "you" : "127.0.0.1:35304", "ok" : 1 }**

sudo mongod --bind\_ip localhost,192.168.0.166

...Failed to set up listener: SocketException: Address already in use...

sudo lsof -iTCP -sTCP:LISTEN -n -P

COMMAND PID USER FD TYPE DEVICE SIZE/OFF NODE NAME

...

mongod 3371 mongodb 11u IPv4 419588 0t0 TCP 127.0.0.1:27017 (LISTEN)

...

sudo systemctl stop mongod

*sudo mongod --bind\_ip localhost,192.168.0.166*

*Failed to set up listener: SocketException: Cannot assign requested address*

*sudo mongod --bind\_ip\_all*

*lets try again*

[*https://docs.mongodb.com/manual/tutorial/install-mongodb-on-ubuntu/*](https://docs.mongodb.com/manual/tutorial/install-mongodb-on-ubuntu/)

*wget -qO - https://www.mongodb.org/static/pgp/server-4.2.asc | sudo apt-key add -*

*echo "deb [ arch=amd64,arm64 ] https://repo.mongodb.org/apt/ubuntu bionic/mongodb-org/4.2 multiverse" | sudo tee /etc/apt/sources.list.d/mongodb-org-4.2.list*

*sudo apt-get update*

*sudo apt-get install -y mongodb-org*

**Directories**

If you installed via the package manager, the data directory /var/lib/mongodb and the log directory /var/log/mongodb are created during the installation.

By default, MongoDB runs using the mongodb user account. If you change the user that runs the MongoDB process, you **must** also modify the permission to the data and log directories to give this user access to these directories.

**Configuration File**

The official MongoDB package includes a [configuration file](https://docs.mongodb.com/manual/reference/configuration-options/" \l "conf-file) (/etc/mongod.conf). These settings (such as the data directory and log directory specifications) take effect upon startup. That is, if you change the configuration file while the MongoDB instance is running, you must restart the instance for the changes to take effect.

### **Procedure**

Follow these steps to run MongoDB Community Edition on your system. These instructions assume that you are using the official mongodb-org package – not the unofficial mongodb package provided by Ubuntu – and are using the default settings.

To run and manage your [mongod](https://docs.mongodb.com/manual/reference/program/mongod/" \l "bin.mongod) process, you will be using your operating system’s built-in initialization system. Recent versions of Linux tend to use **systemd** (which uses the systemctl command), while older versions of Linux tend to use **System V init** (which uses the service command). Refer to the documentation for your operating system for more information.

sudo systemctl start mongod

sudo systemctl status mongod

*sudo lsof -iTCP -sTCP:LISTEN -n -P*

mongo --host ubuntuluc:27017

mongo --username luc --password --authenticationDatabase admin --host ubuntuluc --port 27017

luc@ubuntuluc:~$ sudo netstat -tulpn | grep 27017

tcp 0 0 127.0.0.1:27017 0.0.0.0:\* LISTEN 6933/mongod

<https://stackoverflow.com/questions/34963522/unable-to-connect-to-mongo-on-remote-server>

change config

bind\_ip = 0.0.0.0

sudo systemctl stop mongod

sudo systemctl restart mongod

luc@ubuntuluc:~$ sudo netstat -tulpn | grep 27017

tcp 0 0 0.0.0.0:27017 0.0.0.0:\* LISTEN 9306/mongod

sudo systemctl start mongod

SUCCESS!

<https://docs.mongodb.com/manual/reference/program/mongod/>

<https://docs.mongodb.com/manual/reference/configuration-options/>

[https://docs.mongodb.com/manual/reference/glossary/#term-init-script](https://docs.mongodb.com/manual/reference/glossary/" \l "term-init-script)

<https://docs.mongodb.com/manual/installation/>

<https://docs.mongodb.com/manual/tutorial/install-mongodb-on-ubuntu/>

<https://docs.mongodb.com/manual/mongo/>

**db.createUser(**

**{**

**user: "lucadmin",**

**pwd: "lucadmin",**

**roles: [ "root" ]**

**}**

**)**

**/etc/mongod.conf and add a line like this:**

**auth=true**

**Then:**

**service mongod restart**

<https://www.techrepublic.com/blog/linux-and-open-source/how-to-join-ubuntu-to-a-windows-workgroup/>

<https://www.tecmint.com/install-samba-on-ubuntu-for-file-sharing-on-windows/>

sudo mkdir -p /srv/samba/anonymous\_shares

sudo chmod -R 0775 /srv/samba/anonymous\_shares

sudo chown -R nobody:nogroup /srv/samba/anonymous\_shares

edit smb\_conf

global]

workgroup = **LUCW**

netbios name = **ubuntuluc**

security = user

[Anonymous]

comment = Anonymous File Server Share

path = /srv/samba/anonymous\_shares

browsable =yes

writable = yes

guest ok = yes

read only = no

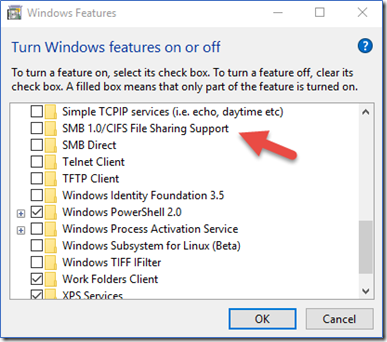
force user = nobody

testparm

sudo systemctl restart smbd

sudo /etc/init.d/smbd restart

<https://askubuntu.com/questions/661611/make-samba-share-visible-in-windows-network>



ll

nobody:nogroup