**INSTALLATING POSTGRESQL ON UBUNTU 20.04:-**

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| --- |
| sudo sh -c 'echo "deb http://apt.postgresql.org/pub/repos/apt $(lsb\_release -cs)-pgdg main" > /etc/apt/sources.list.d/pgdg.list' wget --quiet -O - https://www.postgresql.org/media/keys/ACCC4CF8.asc | sudo apt-key add - sudo apt-get update sudo apt-get -y install postgresql  passwd postgres  New password: \_\_\_\_\_\_  Retype password: \_\_\_\_\_\_\_  Successfully  Createuser \_sonar\_\_\_\_  Psql  Postgres=# ALTER USER sonar WITH ENCRYPTED PASSWORD ‘admin’;  CREATE DATABASE sonarqube OWNER sonar;  GRANT ALL PRIVILEGES ON DATABASE sonarqube to sonar;  Systemctl restart postgresql  Systemctl status postgresql  Check point – You should see postgres is running on port 5432  apt install net -tools  netstat – tulpn  check – port 5432 postgres |

open terminal - cmd

- sudo apt update (packages update)

-sudo apt install postgresql postgresql-contrib(install postgresql)

yes

- sudo -i -u postgres (enter postgres) ~ sudo -u postgres psql(directly go to privilage mode)

- $psql(privilage mode)

\*Postgres=# - \q(quit)

\*postgres=#- \conninfo (current user){you are conneected to database "postgres" as user "postgres" via socket in "/var/run/postgresql" at port "5432"}

- sudo -u postgres createuser --interactive (New user)

Enter name of role to add: linux

shall the newrole a superuser: y

After creating the new user

-sudo -u postgre createdb linux

- sudo -u linux psql (show privilage mode)

linux=#- \conninfo (current user){you are conneected to database "linux" as user "linux" via socket in "/var/run/postgresql" at port "5432"}

**How to install and configure postgreSQL 14 on REdhat:-{ same process centos, linux, fedora}**

Post installation steps are:

1. Initialize database
2. Enable Automatic start
3. Start postgreSQL
4. Check its running or not
5. Connect to postgreSQL server

# cat /etc/os-release [Server Redhat have or not check command]

NAME – “RED HAT ENTERPRISE LINUX”

#clear

Open browser {https://postgresql.org/}

Click Download -> Red hat linux – Select your Linux distribution Red Hat/Rocky/centos

1. Select version – 14
2. Select platform – Redhat enterprised, Rocky, CentOS or Oracle version 9
3. Select architecture – based on requirement [x86\_64]
4. Copy, paste and run the relevant parts of the setup script:

sudo dnf install -y https://download.postgresql.org/pub/repos/yum/reporpms/EL-9-x86\_64/pgdg-redhat-repo-latest.noarch.rpm  
sudo dnf -qy module disable postgresql  
sudo dnf install -y postgresql14-server  
sudo /usr/pgsql-14/bin/postgresql-14-setup initdb  
sudo systemctl enable postgresql-14  
sudo systemctl start postgresql-14

# sudo dnf install -y <https://download.postgresql.org/pub/repos/yum/reporpms/EL-9-x86_64/pgdg-redhat-repo-latest.noarch.rpm>

Updating…

# sudo dnf -qy module disable postgresql

# sudo dnf install -y postgresql14-server

Package downloading…

:- # sudo /usr/pgsql-14/bin/postgresql-14-setup initdb

Initilizing database..ok

# sudo systemctl enable postgresql-14

# sudo systemctl status postgresql-14

Inactive

# sudo systemctl start postgresql-14

Active

# sudo su –postgres

$ psql

Postgres=# select version();

~postgreSQL 14.0 on x84\_64-pc-linux-gnu, completed by gcc (Gcc) 8.4.1 20200928 (Red Hat 8.4.4.1), 64bit

Postgres=# alter user postgres with password ‘admin@123’; {password changing}

Postgres=# \l {list of database show}

Postgres=# \du {list of ROLES}

Fedora version 35:-

sudo dnf install -y https://download.postgresql.org/pub/repos/yum/reporpms/F-35-x86\_64/pgdg-fedora-repo-latest.noarch.rpm  
sudo dnf install -y postgresql14-server  
sudo /usr/pgsql-14/bin/postgresql-14-setup initdb  
sudo systemctl enable postgresql-14  
sudo systemctl start postgresql-14