
INSTALLATION OF POSTGRESQL

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STEP 1: UPDATE SYSTEM AND INSTALL DEPENDENCIES

The first step is to update the system using the command:

`sudo apt update`

```
user@user-vostro-15-3568:~$ sudo apt update
[sudo] password for user:
Hit:1 http://in.archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://in.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu bionic-updates/main amd64 DEP-11 Metadata [282 kB]
Ign:5 http://apt.postgresql.org/pub/repos/apt -pgdg InRelease
Get:6 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Get:7 http://in.archive.ubuntu.com/ubuntu bionic-updates/main DEP-11 48x48 Icons [66.7 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu bionic-updates/main DEP-11 64x64 Icons [137 kB]
Get:9 http://in.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 DEP-11 Metadata [250 kB]
Err:10 http://apt.postgresql.org/pub/repos/apt -pgdg Release
      404 Not Found [IP: 72.32.157.246 80]
Get:11 http://in.archive.ubuntu.com/ubuntu bionic-updates/universe DEP-11 48x48 Icons [195 kB]
Get:12 http://in.archive.ubuntu.com/ubuntu bionic-updates/universe DEP-11 64x64 Icons [424 kB]
Get:13 http://in.archive.ubuntu.com/ubuntu bionic-updates/multiverse amd64 DEP-11 Metadata [2,464 B]
Get:14 http://in.archive.ubuntu.com/ubuntu bionic-backports/universe amd64 DEP-11 Metadata [7,704 B]
Get:15 http://security.ubuntu.com/ubuntu bionic-security/main amd64 DEP-11 Metadata [22.7 kB]
Get:16 http://security.ubuntu.com/ubuntu bionic-security/main DEP-11 48x48 Icons [10.4 kB]
Get:17 http://security.ubuntu.com/ubuntu bionic-security/main DEP-11 64x64 Icons [31.7 kB]
Get:18 http://security.ubuntu.com/ubuntu bionic-security/universe amd64 DEP-11 Metadata [41.3 kB]
Get:19 http://security.ubuntu.com/ubuntu bionic-security/universe DEP-11 48x48 Icons [16.4 kB]
Get:20 http://security.ubuntu.com/ubuntu bionic-security/universe DEP-11 64x64 Icons [105 kB]
Get:21 http://security.ubuntu.com/ubuntu bionic-security/multiverse amd64 DEP-11 Metadata [2,464 B]
Reading package lists... Done
E: The repository 'http://apt.postgresql.org/pub/repos/apt -pgdg Release' does not have a Release file.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
user@user-vostro-15-3568:~$
```

After updating the system, install dependencies using the command:

`sudo apt install -y wget`

```
user@user-vostro-15-3568:~$ sudo apt install -y wget
Reading package lists... Done
Building dependency tree
Reading state information... Done
wget is already the newest version (1.19.4-1ubuntu2.2).
0 upgraded, 0 newly installed, 0 to remove and 602 not upgraded.
user@user-vostro-15-3568:~$
```

STEP 2: ADD POSTGRESQL 11 APT REPOSITORY

Download the key for postgresql repository and add it to the package manager keyring using the commands:

1. `wget --quiet -O - https://www.postgresql.org/media/keys/ACCC4CF8.asc | sudo apt-key add -`
2. `RELEASE=$(lsb_release -cs)`
3. `echo "deb http://apt.postgresql.org/pub/repos/apt/ $RELEASE"-pgdg main | sudo tee /etc/apt/sources.list.d/pgdg.list`
4. `cat /etc/apt/sources.list.d/pgdg.list.`

```
user@user-vostro-15-3568:~$ wget --quiet -O - https://www.postgresql.org/media/keys/ACCC4CF8.asc | sudo apt-key add -
OK
user@user-vostro-15-3568:~$ RELEASE=$(lsb_release -cs)
user@user-vostro-15-3568:~$ echo "deb http://apt.postgresql.org/pub/repos/apt/ ${RELEASE}"-pgdg main | sudo tee /etc/apt/sources.list.d/pgdg.l
ist
deb http://apt.postgresql.org/pub/repos/apt/ bionic-pgdg main
user@user-vostro-15-3568:~$ cat /etc/apt/sources.list.d/pgdg.list
deb http://apt.postgresql.org/pub/repos/apt/ bionic-pgdg main
user@user-vostro-15-3568:~$
```

STEP 3: INSTALL POSTGRESQL

Install PostgreSQL using the command:

`sudo apt install postgresql`

```
user@user-vostro-15-3568:~$ sudo apt install postgresql
Reading package lists... Done
Building dependency tree
Reading state information... Done
postgresql is already the newest version (10+190).
0 upgraded, 0 newly installed, 0 to remove and 602 not upgraded.
user@user-vostro-15-3568:~$
```

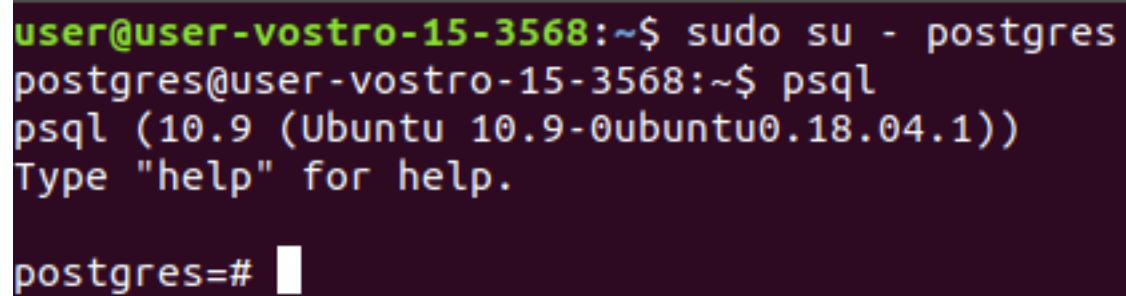
STEP 4 : POST INSTALLATION

Postgres has been successfully installed .You can now use postgres by following the steps given below:

```
sudo su - postgres
```

```
psql
```

This will open the postgresSQL command line.



```
user@user-vostro-15-3568:~$ sudo su - postgres
postgres@user-vostro-15-3568:~$ psql
psql (10.9 (Ubuntu 10.9-0ubuntu0.18.04.1))
Type "help" for help.

postgres=#
```