# Ubuntu Setup

1. Install Requirements

2. sudo apt-get update

3. sudo apt-get install inotify-tools && sudo apt install make && sudo apt install g++
4. sudo apt-get install libudev-dev zip unzip build-essential cmake -y
5. sudo apt-get install git \
6. automake \
7. libtool inotify-tools \
8. libgmp-dev \
9. libgmp10 \
10. build-essential \
11. cmake -y
12.

1. Install ASDF

2. Clone ASDF Plugin

3.

git clone https://github.com/asdf-vm/asdf.git ~/.asdf

1. Edit your ubuntu profile
2.

nano .profile

1. add this line in end break
2.

. HOME/.asdf/asdf.sh and ctrl + x (or Save)

1. Refresh your profile after the update
2.

source ~/.profile

1. Test active asdf after refresh
2.

asdf version

v0.13.1-fad23bcNote : Response following successful install

1. Add asdf plugin for erlang, elixir, and nodejs
2.

asdf plugin add erlang

asdf plugin add elixir

asdf plugin add nodejs

1. install additional prerequisites
2.

sudo apt-get -y install build-essential autoconf m4 libncurses5-dev libwxgtk3.0-gtk3-dev libwxgtk-webview3.0-gtk3-dev libgl1-mesa-dev libglu1-mesa-dev libpng-dev libssh-dev unixodbc-dev xsltproc fop libxml2-utils libncurses-dev openjdk-11-jdk

1. Install PostgreSQL-14

2. curl -fsSL https://www.postgresql.org/media/keys/ACCC4CF8.asc|sudo gpg --dearmor -o /etc/apt/trusted.gpg.d/postgresql.gpg

3. sudo sh -c 'echo "deb http://apt.postgresql.org/pub/repos/apt (lsb_release -cs)-pgdg main" > /etc/apt/sources.list.d/pgdg.list'
4. sudo apt update

5. sudo apt install postgresql-14
6. sudo systemctl status postgresql
7.

1. Add user and database in postgres-14

2. Create user on localpc or server

3.

adduser dbusernameNote: Replace dbusername with your username.

1. You will be prompted to create a new profile, just follow the flow.
2. After Adduser now connect to postgres-14
3.

su - postgres (for Root) or sudo -i -u postgres (for user)

1. Display when entering postgres user section looks like this in terminal
2.

postgres@ubuntu:~

1. Create user
2.

createuser --interactive dbusername

1. Create database
2.

createdb blockscout

1. connect to psql
2.

psql

1. Create Password database in dbusername Note
2.

ALTER USER dbusername WITH PASSWORD 'dbuserpassword';Note : Replace dbusername and dbuserpassword that you created

1. Create Privileges on dbusername to database
2.

GRANT ALL PRIVILEGES ON DATABASE blockscout TO dbusername;

Note: Replace dbusername

1. exit psql
2.

\q

1. Exit to profile postgresql
2.

postgres@ubuntu:~ exit

1. Restart postgresql
2.

sudo systemctl restart postgresql

1. Check new profile that you created at start of adduser replaceing dbusername with your username.
2.

su - dbusername (for Root) or sudo su - dbusername (for user)Note : Replace your dbusername

1. Run this command
2.

psql -d blockscout

1. If everything is correct, you will see this response
2. 

blockscout=#

1. Quit psql
2. 

\q

1. Exit for Database Account page
2. 

dbusername@ubuntu:~ exit

1. After installing everything, clone the Blockscout repository and install .tool-version from the repository

2. Clone Repository Blockscout

3. 

git clone https://github.com/blockscout/blockscout blockscout-backend

1. Enter to folder clone blockscout
2. 

cd blockscout-backend

1. Install plugin requirements Erlang, Elixir, and Nodejs before install blockscout backend
2. 

asdf install

You are ready for manual deployment![Proceed to step 3 in the "Prepare the Backend section]"

Last updated2 months ago