tar -xf postgresql-11.4.tar.bz2

cd postgresql-11.4  
./configure

./configure --prefix=/location/to/install/

make -j 8 && make install

adduser postgres  
mkdir /usr/local/pgsql/data  
chown postgres /usr/local/pgsql/data  
su – postgres  
/usr/local/pgsql/bin/initdb -D /usr/local/pgsql/data

/usr/local/pgsql/bin/pg\_ctl -D /usr/local/pgsql/data start

#!/bash/sh

export OS=$1

export VERSION=$2

export PORT=$3

export INSTALL\_DIR=$HOME/pg\_software

if [ ! -d "$INSTALL\_DIR" ]

then

echo "$INSTALL\_DIR directory doesn't exist. Creating now"

mkdir $INSTALL\_DIR

echo "$INSTALL\_DIR directory created"

else

echo "$INSTALL\_DIR exists"

fi

cd $HOME/pg\_software

## Downloading the source code as per OS

if [ "$1" == "Linux" ] || [ "$1" == "linux" ]; then

echo "Downloading PostgreSQL $VERSION.."

wget https://ftp.postgresql.org/pub/source/v$VERSION/postgresql-$VERSION.tar.bz2 >/dev/null

if [ "$?" -gt "0" ]; then

echo "Could not download the file, check if wget is installed or not"

exit

else

echo "Downloaded PostgreSQL $VERSION..."

fi

elif [ "$1" == "Mac" ] || [ "$1" == "mac" ]; then

echo "Downloading PostgreSQL $VERSION.."

curl -O https://ftp.postgresql.org/pub/source/v$VERSION/postgresql-$VERSION.tar.bz2 > $HOME/pg\_software/comile\_$VERSION.log 2>&1

if [ "$?" -gt "0" ]; then

echo "Could not download the file, check if curl is installed or not"

exit

else

echo "Downloaded PostgreSQL $VERSION..."

fi

else

echo "currenly it works with linux and mac OSes"

exit

fi

## Compiling the source code

echo "wait ! let it compile..."

cd $INSTALL\_DIR/

tar -xf postgresql-$VERSION.tar.bz2

cd postgresql-$VERSION

./configure --prefix=$HOME/pg\_software/$VERSION && make world -j 8 && make install-world > $HOME/compile.log

if [ "$?" -gt "0" ]; then

echo "Could not compile the source, please look at compile.log for more information"

exit

else

echo "Ok, compiled it for you !!.."

fi

## Setting up evn

echo "setting up env...it makes your life easy.. "

touch $HOME/pg\_software/$VERSION/source\_$VERSION.env

echo "export PATH=$HOME/pg\_software/$VERSION/bin:$PATH" >> $HOME/pg\_software/$VERSION/source.env

echo "export PGPORT=5432" >> $HOME/pg\_software/$VERSION/source.env

echo "export PGDATA=$HOME/pg\_software/$VERSION/data" >> $HOME/pg\_software/$VERSION/source.env

echo "export PGDATABASE=postgres" >> $HOME/pg\_software/$VERSION/source.env

echo "export PGUSER=postgres" >> $HOME/pg\_software/$VERSION/source.env

echo "source $HOME/pg\_software/$VERSION/source.env" >> $HOME/.bash\_profile

. $HOME/.bash\_profile

echo "Ok, done with env setup.. now you can be lazy.. !"

## Create DATA directory

echo "Oh, it's data time.. creating data directory...!"

initdb -D $PGDATA -U postgres >/dev/null 2>&1

echo "Done buddy !! .. let me enable logging and allow connections from other hosts....."

## Enable logging.. and allow other hosts.

echo "port=$PORT" >> $PGDATA/postgresql.conf

echo "logging\_collector=on" >> $PGDATA/postgresql.conf

echo "listen\_addresses='\*'" >> $PGDATA/postgresql.conf

## Start database

echo "you are having coffee !!!.. Ok, np, let me start it for you..!"

pg\_ctl -D $PGDATA start >/dev/null

sleep 5

echo "hmm.. seems it started.. but let me check once.."

## check DB is up

psql -p $PGPORT -U $PGUSER -d $PGDATABASE -c "select 1;" > /dev/null

if [ "$?" -gt "0" ]; then

echo "Sorry !!, it's not started.. I'm not yet smart enough to fix.. :-(.. blame the author !!.."

else

echo "hurray.. it works.. enjoy!"

fi

dnf install https://download.postgresql.org/pub/repos/yum/reporpms/EL-8-x86\_64/pgdg-redhat-repo-latest.noarch.rpm

dnf install postgresql11

dnf install postgresql11-server

/usr/pgsql-11/bin/postgresql-11-setup initdb  
systemctl enable postgresql-11  
systemctl start postgresql-11

dnf install postgresql11-plperl\*  
dnf install postgresql11-plpython\*  
dnf install postgresql11-pltcl\*

service postgresql initdb  
chkconfig postgresql on

postgresql-setup initdb

systemctl enable postgresql.service   
systemctl start postgresql.service

postgres=# show log\_directory ;

log\_directory

---------------

log

(1 row)

postgres=# alter system set log\_directory TO '/path/to/log/filesystem';

ALTER SYSTEM

postgres=# select pg\_reload\_conf();

pg\_reload\_conf

----------------

t

(1 row)

postgres=# show log\_directory ;

log\_directory

-------------------------

/path/to/log/filesystem

(1 row)

postgres=#

postgres=# show temp\_tablespaces ;

temp\_tablespaces

------------------

(1 row)

postgres=# create tablespace for\_temp\_files location '/tmp';

CREATE TABLESPACE

postgres=#

postgres=# alter system set temp\_tablespaces to '/tmp';

ALTER SYSTEM

postgres=#

postgres=# select pg\_reload\_conf();

pg\_reload\_conf

----------------

t

(1 row)

postgres=# show temp\_tablespaces ;

temp\_tablespaces

------------------

"/tmp"

(1 row)

postgres=#

postgres=# create tablespace new\_tblsc location '/Users/shbaji/pg\_software/newtblsc';

CREATE TABLESPACE

postgres=#

postgres=# alter table orders\_1 set tablespace new\_tblsc;

ALTER TABLE

postgres=#

postgres=# select relname, reltablespace from pg\_class where relname='orders\_1';

relname | reltablespace

----------+---------------

orders\_1 | 33888

(1 row)

postgres=# select oid, spcname from pg\_tablespace where spcname='new\_tblsc';

oid | spcname

-------+-----------

33888 | new\_tblsc

(1 row)

postgres=#