CLUSTER CREATING

```
C:\Program Files\PostgreSQL\12\bin\rinitdb -D e:\Cluster -U dbuser -W
The files belonging to this database system will be owned by user "PRATIK".
This user must also own the server process.

The default database encoding has accordingly been set to "WIN1252".

The default text search configuration will be set to "english".

Data page checksums are disabled.

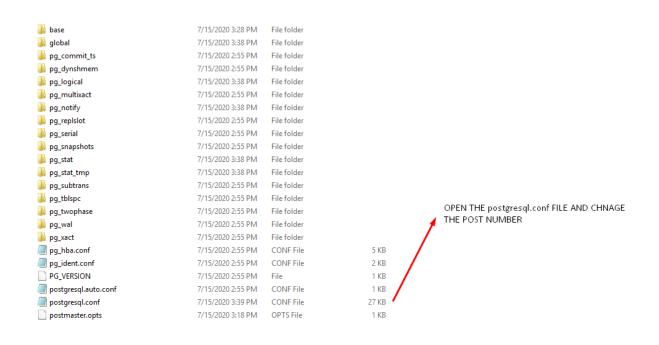
Enter new superuser password:
Enter it again:

fixing permissions on existing directory e:\Cluster ... ok
creating subdirectories ... ok
selecting dynamic shared memory implementation ... windows
selecting default max_connections ... 190
selecting default shared_buffers ... 128MB
selecting default time zone ... Asia\Calcutta
creating configuration files ... ok
running bootstrap script ... ok
performing post-bootstrap initialization ... ok
syncing data to disk ... ok

initdb: warning: enabling "trust" authentication for local connections
You can change this by editing pg_bba.conf or using the option -A. or
--auth-local and --auth-host, the next time you run initdb.

Success. You can now start the database server using:
    pg_ctl -D ^"e^:\Cluster^" -l logfile start
```

OPEN THE postgresql.conf file IS THEIR IN CLUSTER FOLDER AND CHANGE THE POST NUMBER



```
# CONNECTIONS AND AUTHENTICATION
# - Connection Settings -
                                                                                       PORT HAS BEEN CHANGED.
#listen_addresses = 'localhost'
                                         # what IP address(es) to listen on;
                                         # comma-separated list of audresses;
# defaults to 'localhost'; use '*' for all
                                         # (change requires restart)
port = 5522
                                        # (change requires restart)
max_connections = 100
                                        # (change requires restart)
#superuser_reserved_connections = 3  # (change requires restart)
#unix_socket_directories = '' # comma-separated list of directories
                                        # (change requires restart)
#unix_socket_group = ''
                                        # (change requires restart)
#unix_socket_permissions = 0777
                                        # begin with 0 to use octal notation
                                        # (change requires restart)
#bonjour = off
                                        # advertise server via Bonjour
                                        # (change requires restart)
#bonjour_name = ''
                                         # defaults to the computer name
                                         # (change requires restart)
```

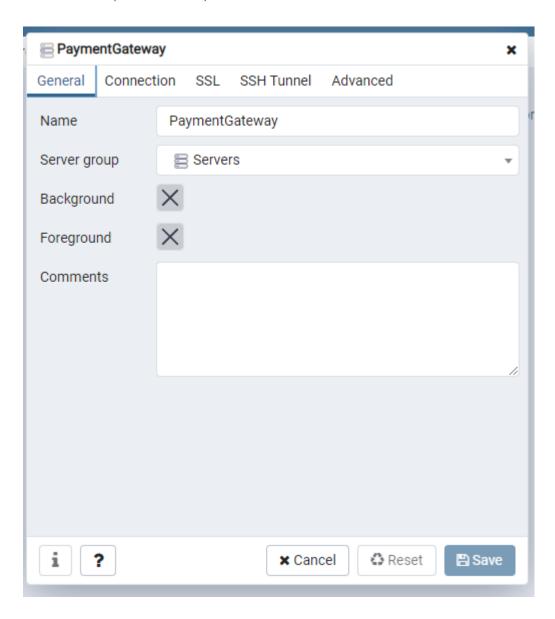
START THE CLUSTER/ SERVER

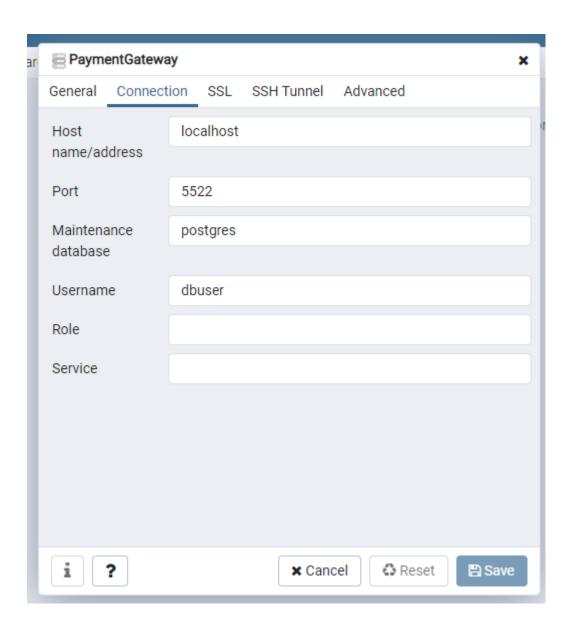
```
C:\Program Files\PostgreSQL\12\bin\pg_ctl -D e:\Cluster start
pg_ctl: another server might be running; trying to start server anyway
waiting for server to start....2020-07-15 15:18:47.732 IST [2976] LOG: starting
PostgreSQL 12.3, compiled by Visual C++ build 1914, 64-bit
2020-07-15 15:18:47.742 IST [2976] LOG: listening on IPv6 address "::1", port 5
522
2020-07-15 15:18:47.743 IST [2976] LOG: listening on IPv4 address "127.0.0.1",
port 5522
2020-07-15 15:18:47.977 IST [144] LOG: database system was interrupted; last kn
own up at 2020-07-15 15:17:15 IST
2020-07-15 15:18:48.581 IST [144] LOG: database system was not properly shut do
wn; automatic recovery in progress
2020-07-15 15:18:48.627 IST [144] LOG: invalid record length at 0/1637090: want
ed 24, got 0
2020-07-15 15:18:48.629 IST [144] LOG: redo is not required
.2020-07-15 15:18:48.849 IST [2976] LOG: database system is ready to accept con
nections
done
server started
C:\Program Files\PostgreSQL\12\bin\pg_ctl -D e:\Cluster status
pg_ctl: server is running (PID: 2976)
C:\Program Files\PostgreSQL\12\bin\postgres.exe "-D" "e:\Cluster"
C:\Program Files\PostgreSQL\12\bin\postgres.exe "-D" "e:\Cluster"
C:\Program Files\PostgreSQL\12\bin\postgres.exe "-D" "e:\Cluster"
```

CONNECT WITH DATABASE ON THAT CLUSTER USING PgSQL

```
C:\Program Files\PostgreSQL\12\bin>psql -d paymentgatewaydb -p 5522 -u dbuser psql: illegal option -- u
Iry "psql --help" for more information.
C:\Program Files\PostgreSQL\12\bin>psql -d paymentgatewaydb -p 5522 -U dbuser psql (12.3)
WARNING: Console code page (437) differs from Windows code page (1252)
8-bit characters might not work correctly. See psql reference page "Notes for Windows users" for details.
Iype "help" for help.
paymentgatewaydb=#
```

• CONNECT WITH DATABASE ON THAT CLUSTER USING PGADMIN(GUI TOOL)





✓

Servers (2) ▼ PaymentGateway B Databases (2) > spaymentgatewaydb postgres > 8 Casts > Catalogs > @ Event Triggers > Foreign Data Wrappers > Languages ▼ Schemas (1) > public Login/Group Roles (9) A dbuser ▲pg_monitor pg_read_server_files ♣pg_signal_backend

🛅 pg_default

__ pg_acraan

pg_global

▼ Pablespaces (2)

-