

```

HusseinNasser$ docker run -p 5432:5432 --name pg postgres
c:~ HusseinNasser$ docker run -p 5432:5432 --name pg postgres
  belonging to this database system will be owned by user "post
  must also own the server process.

base cluster will be initialized with locale "en_US.utf8".
lt database encoding has accordingly been set to "UTF8".
lt text search configuration will be set to "english".

checksums are disabled.

permissions on existing directory /var/lib/postgresql/data ... o
subdirectories ... ok
default max_connections ... 100
default shared_buffers ... 128MB
dynamic shared memory implementation ... posix
configuration files ...

```

Start the PostgreSQL using the `$ docker run -p 5432:5432 --name pg postgres` command

```

HusseinNasser$ docker run -p 5432:5432 --name pg postgres
/usr/local/bin/docker-entrypoint.sh: ignoring /docker-entrypoint-initdb.d/*

waiting for server to shut down...2019-01-04 04:55:02.325 UTC [47] LOG:  receiv
ed fast shutdown request
2019-01-04 04:55:02.331 UTC [47] LOG:  aborting any active transactions
2019-01-04 04:55:02.333 UTC [47] LOG:  background worker "logical replication la
uncher" (PID 54) exited with exit code 1
2019-01-04 04:55:02.334 UTC [49] LOG:  shutting down
2019-01-04 04:55:02.351 UTC [47] LOG:  database system is shut down
done
server stopped

PostgreSQL init process complete; ready for start up.

2019-01-04 04:55:02.444 UTC [1] LOG:  listening on IPv4 address "0.0.0.0", port
5432
2019-01-04 04:55:02.444 UTC [1] LOG:  listening on IPv6 address ":::", port 5432
2019-01-04 04:55:02.447 UTC [1] LOG:  listening on Unix socket "/var/run/postgre
sql/.s.PGSQL.5432"
2019-01-04 04:55:02.460 UTC [56] LOG:  database system was shut down at 2019-01-
04 04:55:02 UTC
2019-01-04 04:55:02.465 UTC [1] LOG:  database system is ready to accept connect
ions

```

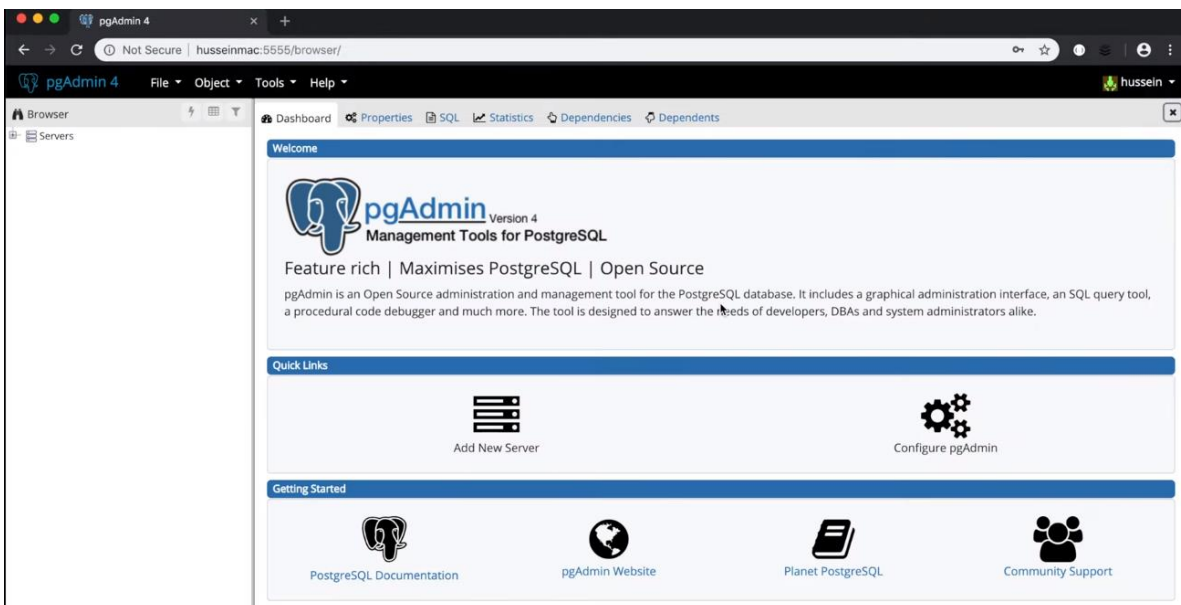
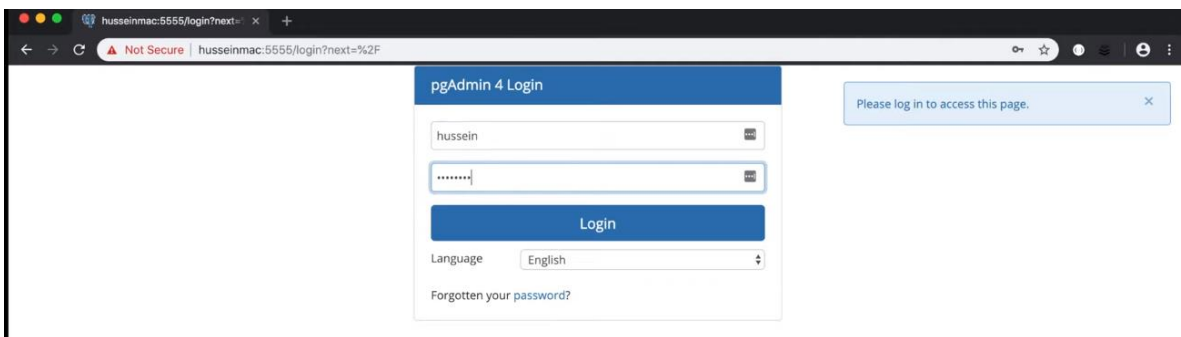
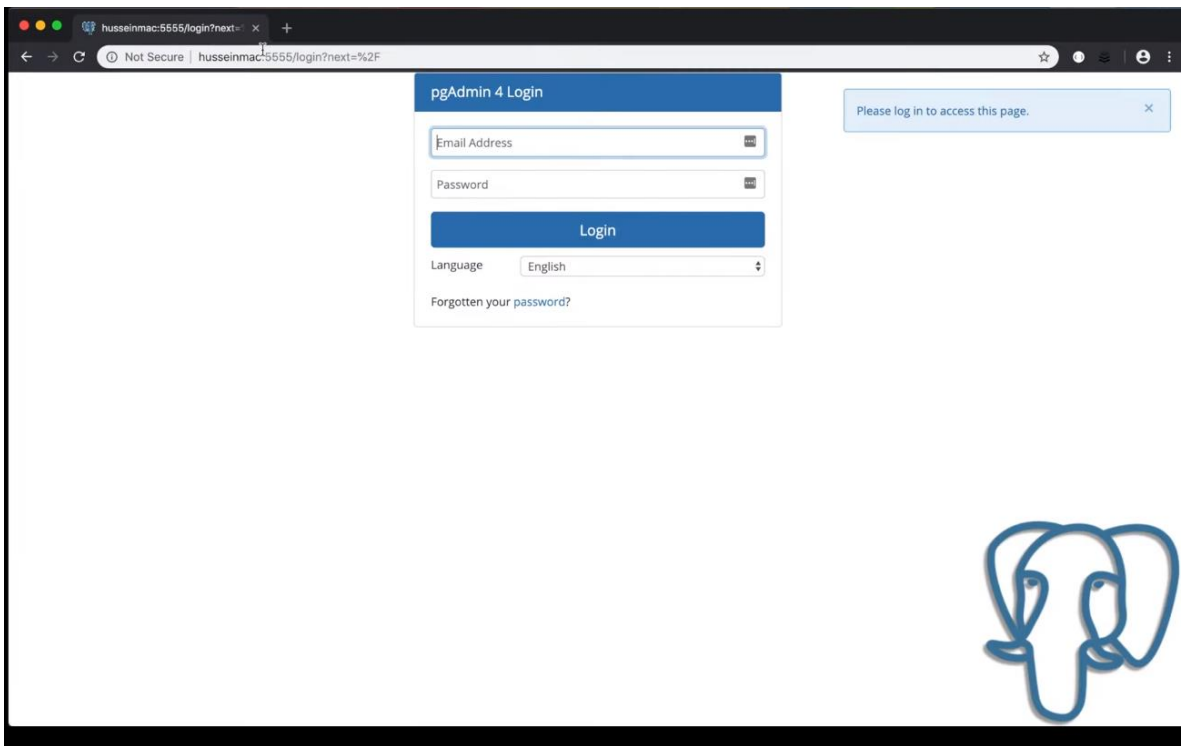
```

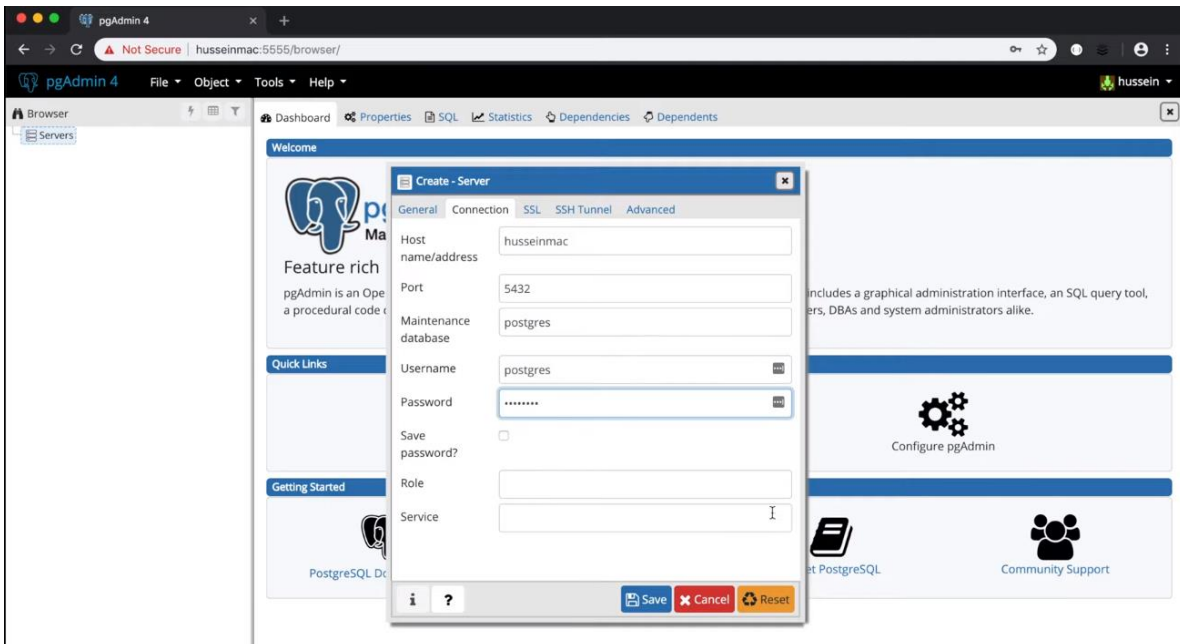
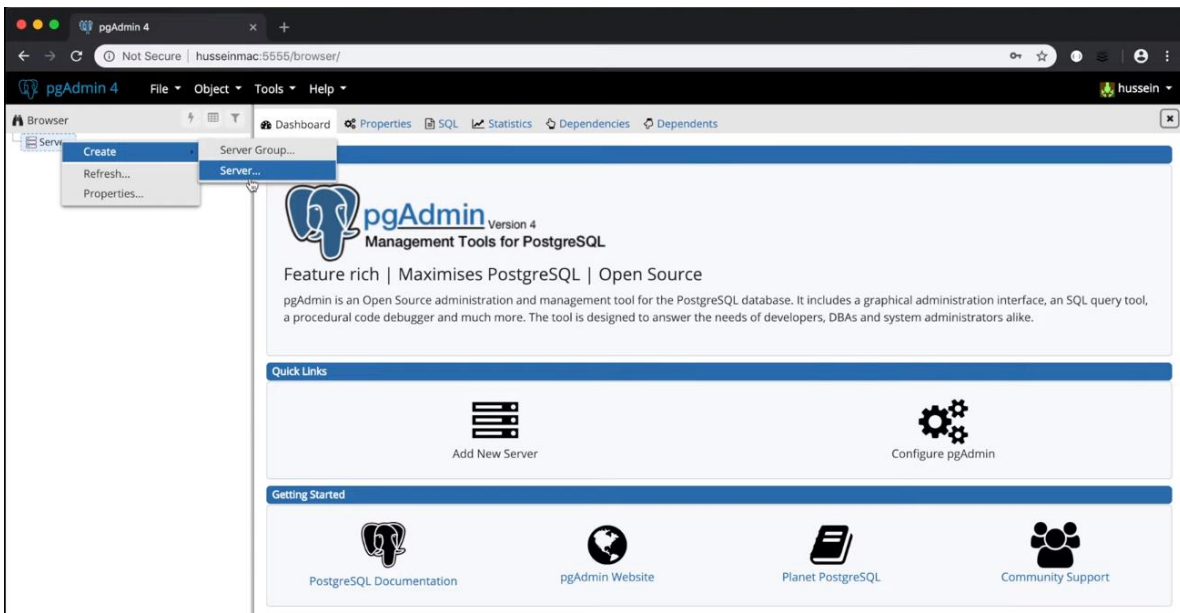
HusseinNasser$ docker run -p 5555:80 --name pgadmin -e PGADMIN_DEFAULT_EMAIL=hussein -e PGADMIN_DEFAULT_PASSWORD=password dpape/pgadmin4
Last login: Thu Jan 3 20:44:49 on ttys001
HusseinMac:~ HusseinNasser$ docker run -p 5555:80 --name pgadmin -e PGADMIN_DEFAULT_EMAIL="hussein" -e PGADMIN_DEFAULT_PASSWORD="password" dpape/pgadmin4
NOTE: Configuring authentication for SERVER mode.

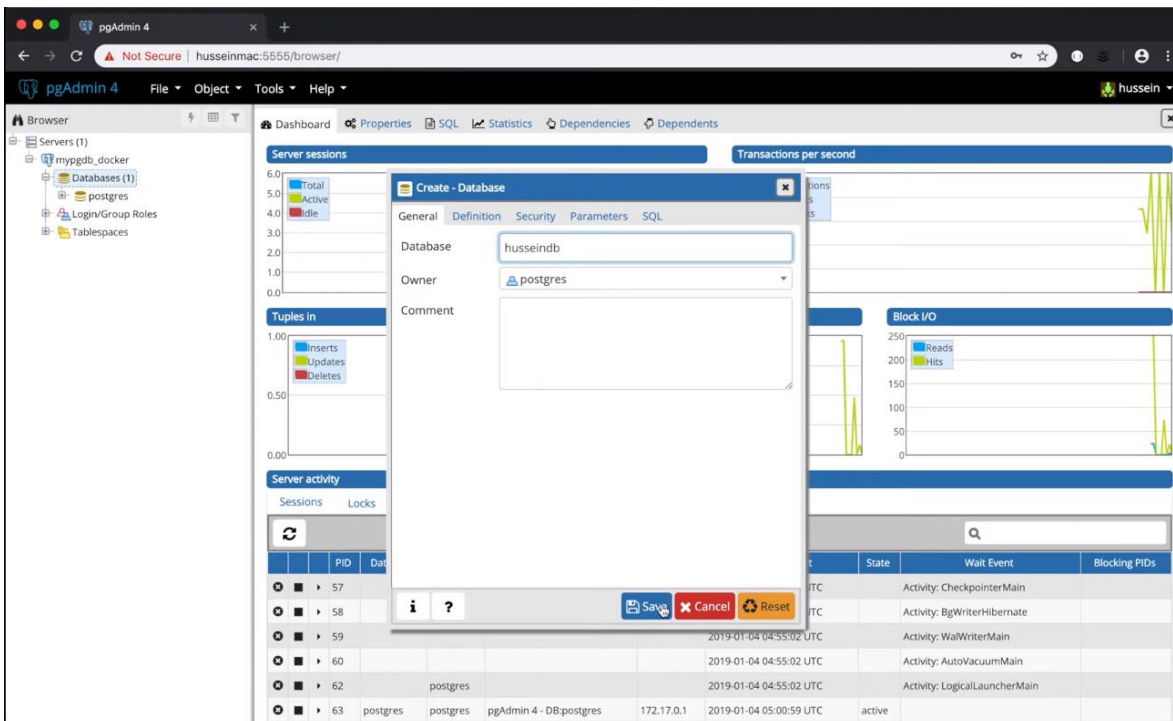
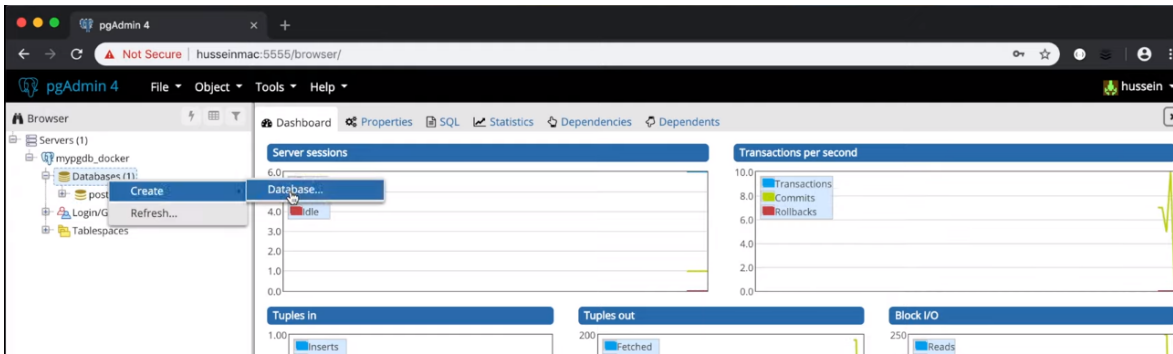
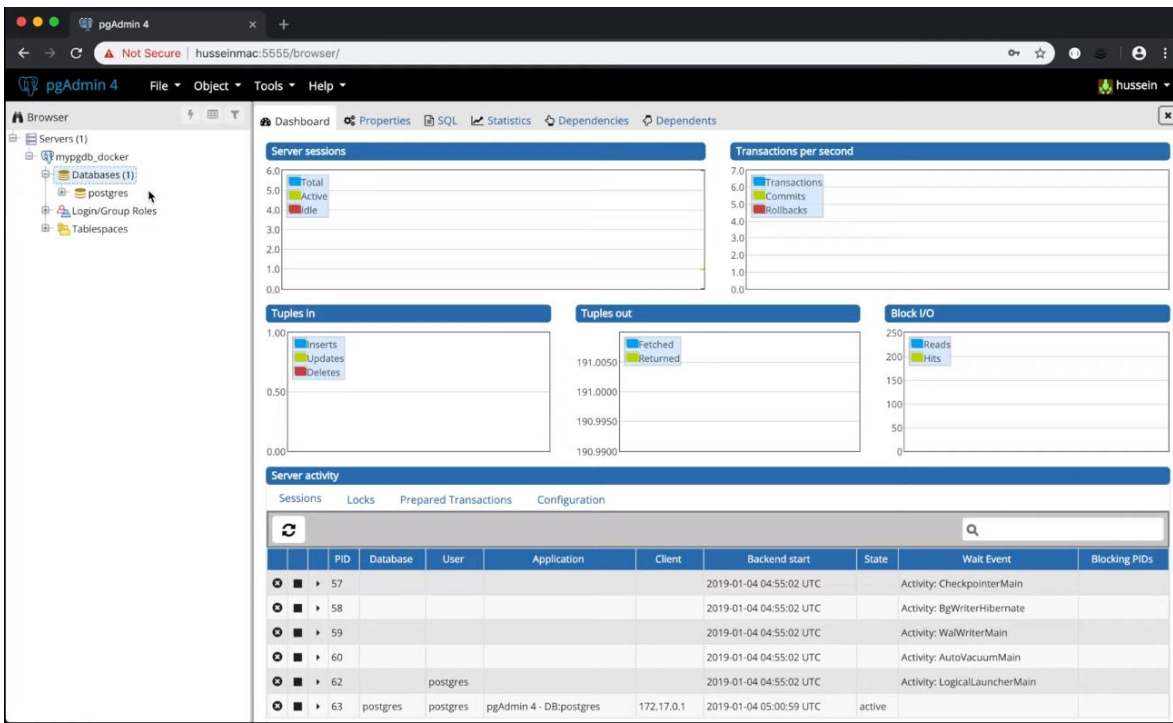
[2019-01-04 04:59:02 +0000] [1] [INFO] Starting gunicorn 19.8.1
[2019-01-04 04:59:02 +0000] [1] [INFO] Listening at: http://[::]:80 (1)
[2019-01-04 04:59:02 +0000] [1] [INFO] Using worker: threads
[2019-01-04 04:59:02 +0000] [18] [INFO] Booting worker with pid: 18

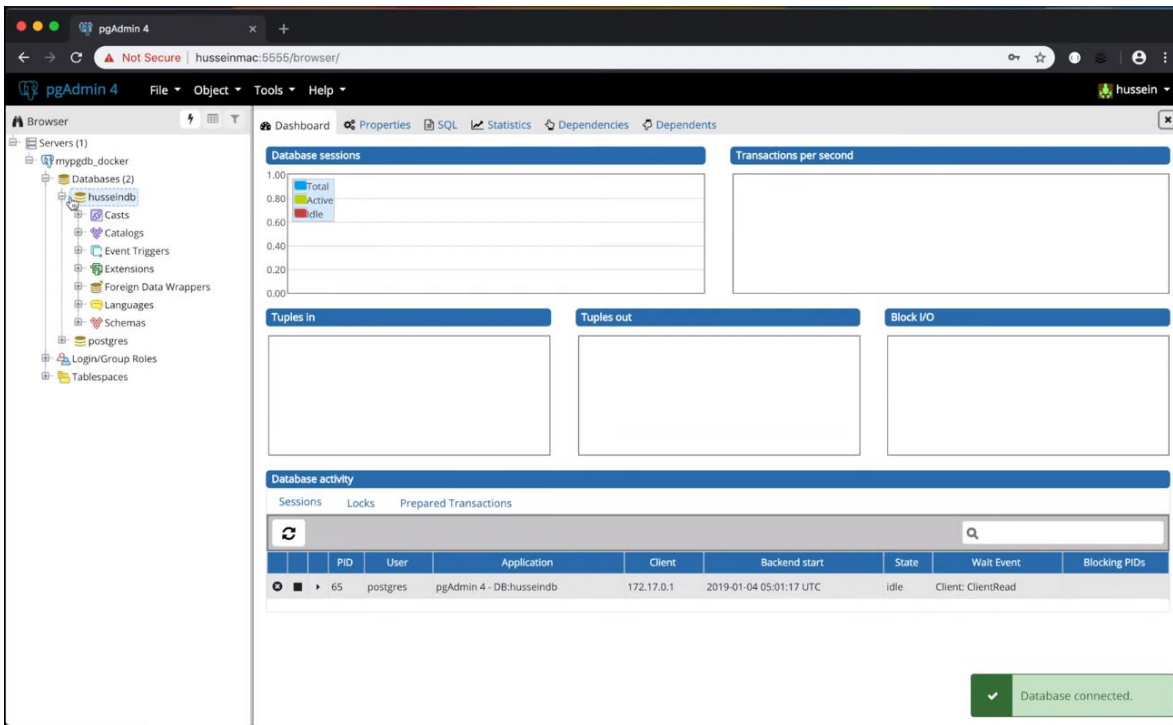
```

Start the PgAdmin tool using `$ docker run -p 5555:80 --name pgadmin -e PGADMIN_DEFAULT_EMAIL="tj" -e PGADMIN_DEFAULT_PASSWORD="password" dpape/pgadmin4` command









```

HusseinNasser ~ HusseinNasser$ docker run -p 5431:5432 --name pg2 postgres -- 80x24
Last login: Thu Jan  3 20:55:31 on ttys002
HusseinMac:~ HusseinNasser$ docker run -p 5431:5432 --name pg2 postgres
The files belonging to this database system will be owned by user "postgres".
This user must also own the server process.

The database cluster will be initialized with locale "en_US.utf8".
The default database encoding has accordingly been set to "UTF8".
The default text search configuration will be set to "english".

Data page checksums are disabled.

fixing permissions on existing directory /var/lib/postgresql/data ... ok
creating subdirectories ... ok
selecting default max_connections ... 100
selecting default shared_buffers ... 128MB
selecting dynamic shared memory implementation ... posix
creating configuration files ... ok
running bootstrap script ... ok
performing post-bootstrap initialization ... ok
syncing data to disk ... 

```

Spin up another Postgres DB called pg2

