Project Documentation Developer's Manual

PROJECT TITLE - **"PostgreSQL Data Server migration within heterogeneous environment."**

Project duration- 1 June 2018 -18 June 2018

Organisation- Bhaskaracharya Institute for Space Applications and Geoinformatics. Gandhinagar.

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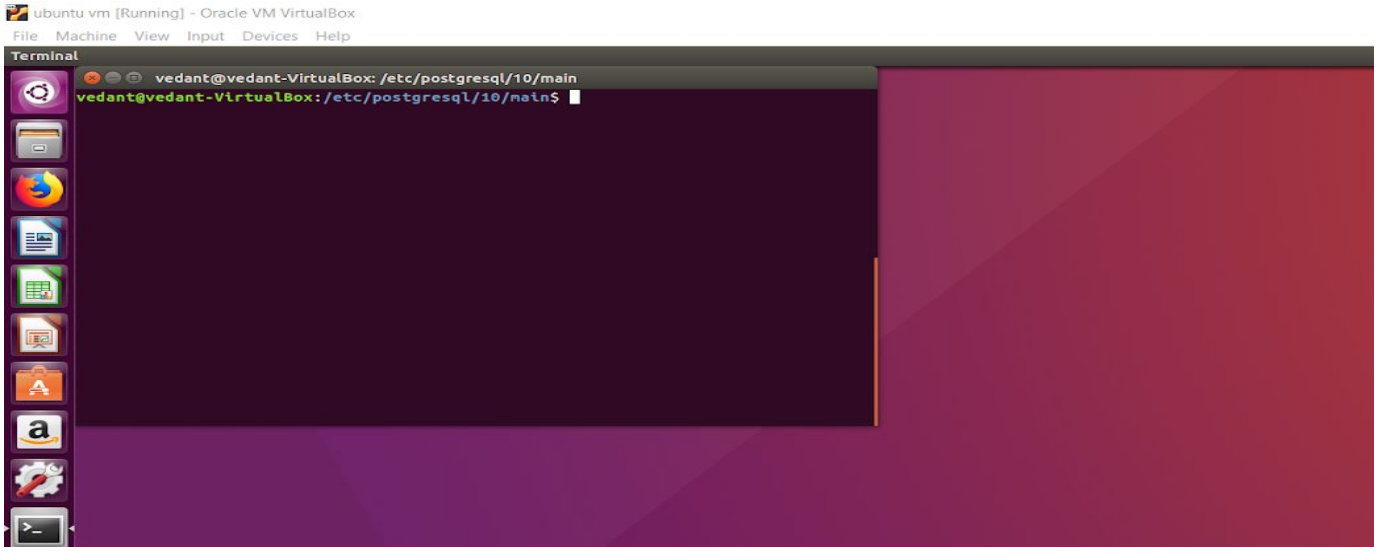
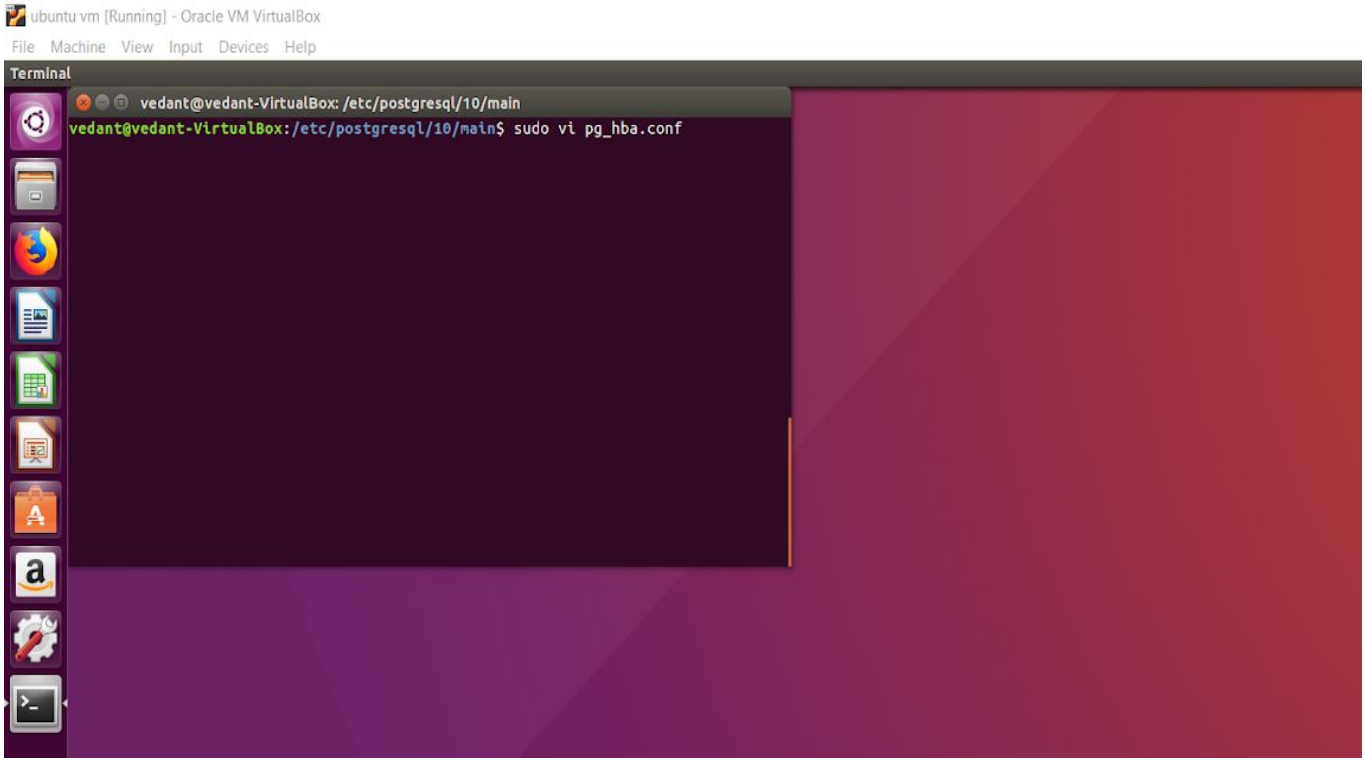
- About the code-: First a list of databases which is to be transferred is created.
- If the database already exists in remote server,then that database is dropped from remote server.
- A new database with same name is created in remote server.
- Then the database to be transferred is backed up and restored to the new database using some functionalities of postgreSQL like pg_dump,psql.
- A log file is created at end of process which includes information about the name of database transferred or errors that occured (if any).
- The code is stored in .bat format and executed on command prompt.

*Point to note- Ensure that proper connection is authorized by both the servers towards each other.

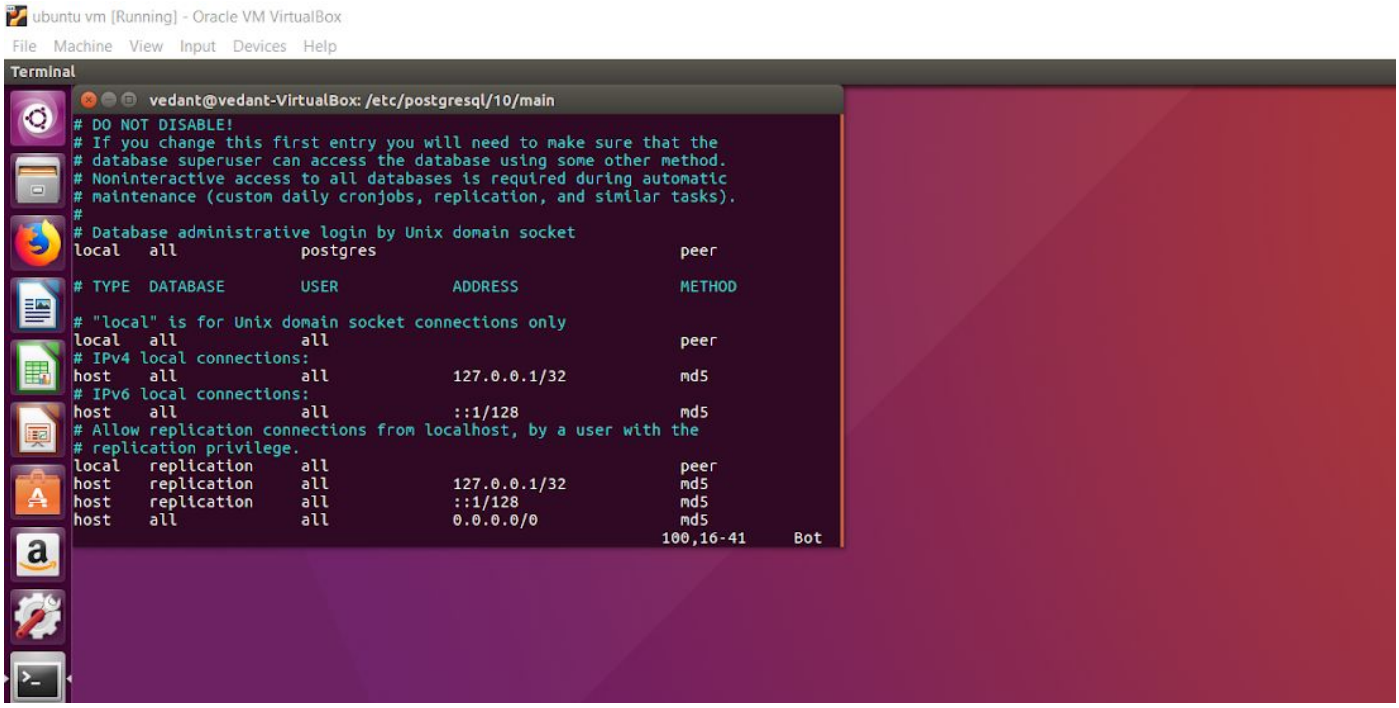
- If there exists any connectivity issue you can sort it out by following the below mentioned steps.

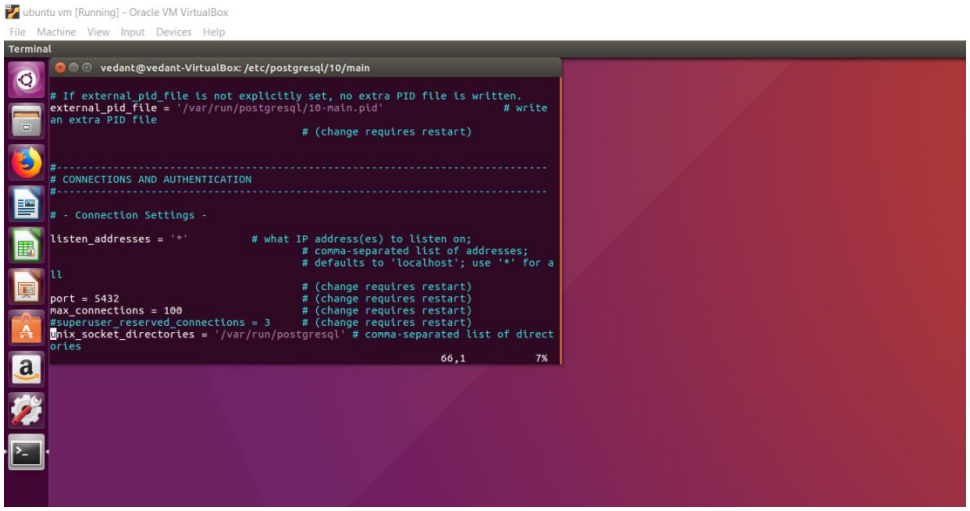
1-In Ubuntu OS open the terminal. Change the directory using the command to /etc/postgresql/10/main.



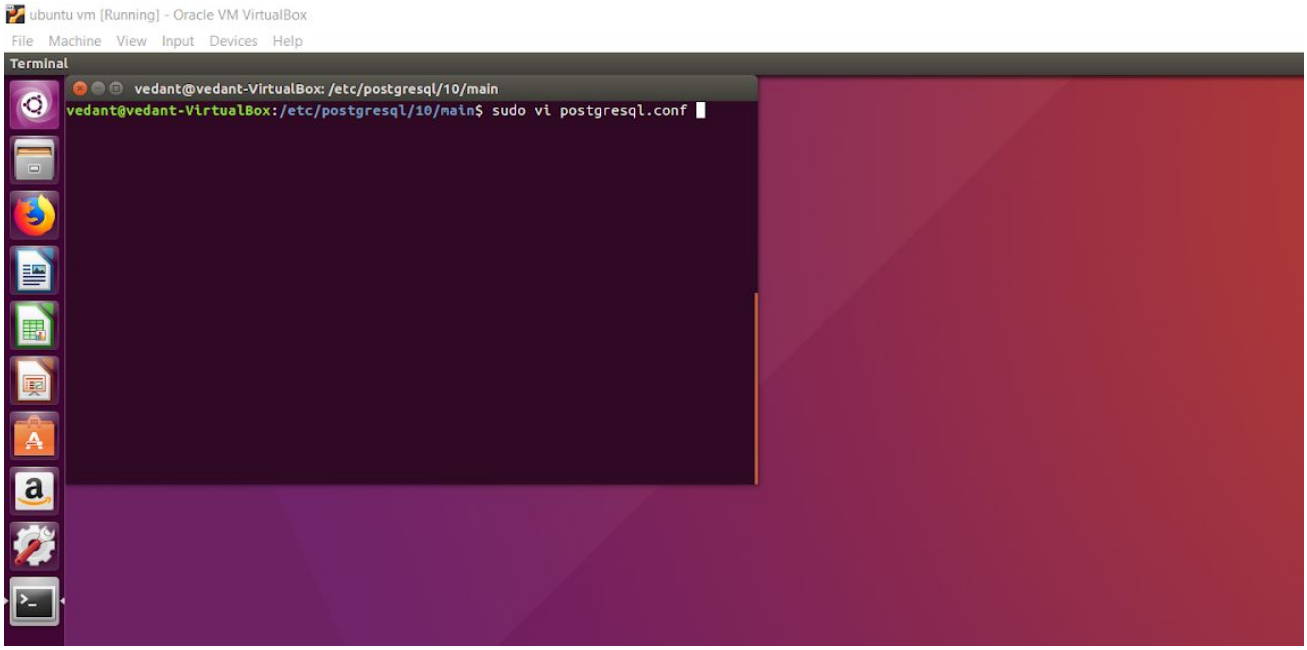


-Then type the command sudo vi pg_hba.conf and press enter. You will see the screen as shown below.

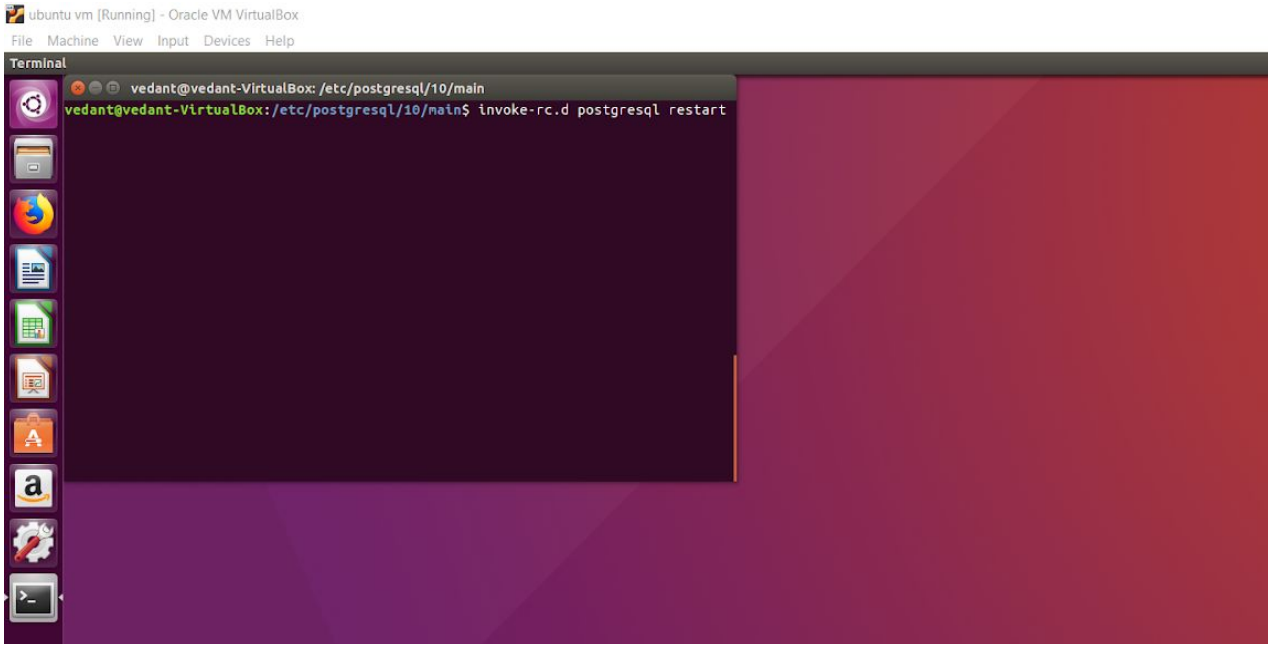




-Slide down and check the network configuration settings ,edit and then configure using the command sudo vi postgresql.conf as shown below.



- Then restart using the command invoke-rc.d postgresql restart as shown below.



Follow the same type of connection settings for windows directory: C:/"Program Files"/PostgreSQL/10/data.

Error- If an error occurs in transfer of data due to poor connectivity or any other reason, it shows error and terminates. You need to do the transfer again.

Future Scope - Gradual update.