PostgreSQL Installation Guide and Basic Commands

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KOREA UNIVERSITY
DATABASE LAB

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PostgreSQL Installation Guide

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1. Download the PostgreSQL from www.postgresql.org/download
2. Choose an appropriate installer according to your operating system

Downloads

PostgreSQL Core Distribution

The core of the PostgreSQL object-relational database management system is available in several source and binary formats.

Binary packages

Pre-built binary packages are available for a number of different operating systems:

- BSD
  - FreeBSD
  - OpenBSD
- Linux
  - Red Hat family Linux (including CentOS/Fedora/Scientific/Oracle variants)
  - Debian GNU/Linux and derivatives
  - Ubuntu Linux and derivatives
  - SuSE and OpenSuSE
  - Other Linux
- macOS
- Solaris
- Windows

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3. Use the default installation & data directory
   - Installation directory : C:\Program Files\PostgreSQL\11
   - Data directory : C:\Program Files\PostgreSQL\11\data

4. Set your database[postgres] password and retype it

5. Use the default port
   - Port : 5432

6. Select the default locale

7. Finish the installation
   - You do not need to launch stack builder at exit

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8. Make sure your installation is successful
    1) Run the PostgreSQL SQL Shell(psql)
    2) Login your database
        a. Server [localhost] : Press the enter key
        b. Database [postgres] : Press the enter key
        c. Port [5432] : Press the enter key
        d. Username [postgres] : Press the enter key
        e. Password for user postgres: Type your password

PostgreSQL Basic Commands

PostgreSQL Basic Commands

- \h
  - Help on syntax of SQL commands, * for all commands

- \d, \dt
  - List tables & views, list only tables

- \di, \dv, \ds, \dS
  - List indices, list views, list sequences, list 'system + user' tables & views

- \dT
  - List user defined data types

- \d <table name>
  - Describe table

End

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