

Table Of Contents

Table Of Contents 1

Task: Install PostgreSQL 2

Task: Connect to PostgreSQL server 2

See also: 3

[Home](#) > [Faq](#) > [BASH Shell](#)

Howto: Debian / Ubuntu Linux Install PostgreSQL Database Server

Posted by [Vivek Gite](#) <vivek@nixcraft.com>

[1]

Q. How do I install PostgreSQL server under Ubuntu Linux?

A. PostgreSQL is an Open Source Software object relational database management system. POSTGRES pioneered many of the object-relational concepts now becoming available in some commercial databases. Traditional relational database management systems (RDBMS) support a data model consisting of a collection of named relations, containing attributes of a specific type. In current commercial systems, possible types include floating point numbers, integers, character strings, money, and dates.

Task: Install PostgreSQL

The best way to install PostgreSQL under Debian or Ubuntu Linux is to use apt-get command

```
# apt-get install postgresql
```

OR

```
$ sudo apt-get install postgresql
```

Output:

```
Reading package lists... Done
Building dependency tree... Done
The following extra packages will be installed:
  openssl postgresql-7.4 postgresql-client postgresql-client-7.4 postgresql-client-common
Suggested packages:
  ca-certificates postgresql-doc-7.4
Recommended packages:
  postgresql-plpython-7.4 postgresql-plperl-7.4 postgresql-pltcl-7.4
The following NEW packages will be installed:
  openssl postgresql postgresql-7.4 postgresql-client postgresql-client-7.4 postgresql-clie
  ssl-cert
0 upgraded, 8 newly installed, 0 to remove and 0 not upgraded.
Need to get 5620kB of archives.
After unpacking 14.3MB of additional disk space will be used.
Do you want to continue [Y/n]? y
Get: 1 http://cudlug.cudenver.edu stable/main openssl 0.9.8c-4 [1004kB]
.....
.....
...
Setting up postgresql-7.4 (7.4.16-1) ...
Creating new cluster (configuration: /etc/postgresql/7.4/main, data: /var/lib/postgresql/7.
Moving configuration file /var/lib/postgresql/7.4/main/postgresql.conf to /etc/postgresql/7.
Moving configuration file /var/lib/postgresql/7.4/main/pg_hba.conf to /etc/postgresql/7.4/n
Moving configuration file /var/lib/postgresql/7.4/main/pg_ident.conf to /etc/postgresql/7.4
Configuring postgresql.conf to use port 5432...
Starting PostgreSQL 7.4 database server: main.

Setting up postgresql-client (7.5.22) ...
Setting up postgresql (7.5.22) ...
```

Task: Connect to PostgreSQL server

You can login as PostgreSQL superuser, enter command:

```
$ su - postgres
```

Now connect to default database called template1:

```
$ psql template1
```

Output:

```
postgres@debian:~$ psql template1
Welcome to psql 7.4.16, the PostgreSQL interactive terminal.

Type:  \copyright for distribution terms
        \h for help with SQL commands
        \l for help on internal slash commands
        \g or terminate with semicolon to execute query
        \q to quit

template1=#
```

Type **\l** to list database

Type **\q** to quit

See also:

- [PostgreSQL add or create a user account and grant permission for database](#) ^[2]

4000+ howtos and counting! Want to read more Linux / UNIX howtos, tips and tricks? Subscribe to our [daily email](#) newsletter or [weekly newsletter](#) to make sure you don't miss a single tip/tricks. Alternatively, subscribe via [RSS/XML](#) feed.

Article printed from Frequently Asked Questions About Linux / UNIX: <http://www.cyberciti.biz/faq/>

URL to article: <http://www.cyberciti.biz/faq/linux-installing-postgresql-database-server/>

URLs in this post:

[1] Image: <http://www.cyberciti.biz/faq/faq/category/postgresql/>

[2] PostgreSQL add or create a user account and grant permission for database : <http://www.cyberciti.biz/faq/howto-add-postgresql-user-account/>