

PostgreSQL 13 Linux 설치하기

이 문서는 PostgreSQL 13 Linux 설치 가이드를 공유하기 위해 작성되었다.

Rocky Linux 8.5 (CentOS 8.x 계열)에서 Yum 패키지 매니저를 통해 설치하는 방법을 가이드 한다.

도구명	PostgreSQL
버전	13.6
OS	Rocky Linux 8.5
비고	<input checked="" type="checkbox"/> sudo 권한 필요 <input checked="" type="checkbox"/> 외부인터넷 필요

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PostgreSQL 13 설치

1.Yum 패키지로 설치

다음 명령어를 순서대로 실행하여 Yum 패키지 매니저를 통해 PostgreSQL 13을 다운로드하고 설치한다.

- dnf = Dandified Yum으로 Yum의 차세대 버전

```
# PostgreSQL RPM
sudo dnf install -y https://download.postgresql.org/pub/repos/yum/reporepms/EL-8-x86_64/pgdg-redhat-repo-latest.noarch.rpm

# ( ) PostgreSQL
sudo dnf -qy module disable postgresql

# PostgreSQL
sudo dnf install -y postgresql13-server
```

```
[root@jhyun-guide-rockey8 ~]# sudo dnf install -y postgresql13-server
Last metadata expiration check: 0:00:18 ago on Tue 19 Apr 2022 05:21:06 PM KST.
Dependencies resolved.
=====
Package                                Architecture      Version           Repository        Size
=====
Installing:
postgresql13-server                   x86_64            13.6-1PGDG.rhel8 pgdg13            5.5 M
Installing dependencies:
postgresql13                           x86_64            13.6-1PGDG.rhel8 pgdg13            1.5 M
postgresql13-libs                     x86_64            13.6-1PGDG.rhel8 pgdg13            415 k
Transaction Summary
=====
```

```

=====
Install 3 Packages

Total download size: 7.4 M
Installed size: 31 M
Downloading Packages:
(1/3): postgresql13-libs-13.6-1PGDG.rhel8.x86_64.rpm          91 kB/s | 415 kB  00:04
(2/3): postgresql13-13.6-1PGDG.rhel8.x86_64.rpm             99 kB/s | 1.5 MB  00:15
(3/3): postgresql13-server-13.6-1PGDG.rhel8.x86_64.rpm       298 kB/s | 5.5 MB  00:19
-----
Total                                                         399 kB/s | 7.4 MB  00:19
PostgreSQL 13 for RHEL / Rocky 8 - x86_64                   1.6 MB/s | 1.7 kB  00:00
Importing GPG key 0x442DF0F8:
  Userid   : "PostgreSQL RPM Building Project <pgsql-pkg-yum@postgresql.org>"
  Fingerprint: 68C9 E289 1A37 D136 FE74 D176 1F16 D2E1 442D F0F8
  From      : /etc/pki/rpm-gpg/RPM-GPG-KEY-PGDG
Key imported successfully
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing :
  Installing : postgresql13-libs-13.6-1PGDG.rhel8.x86_64          1/1
  Running scriptlet: postgresql13-libs-13.6-1PGDG.rhel8.x86_64 1/3
  Installing : postgresql13-13.6-1PGDG.rhel8.x86_64             1/3
  Running scriptlet: postgresql13-13.6-1PGDG.rhel8.x86_64       2/3
  Installing : postgresql13-server-13.6-1PGDG.rhel8.x86_64      2/3
  Running scriptlet: postgresql13-server-13.6-1PGDG.rhel8.x86_64 3/3
  Installing : postgresql13-server-13.6-1PGDG.rhel8.x86_64      3/3
  Running scriptlet: postgresql13-server-13.6-1PGDG.rhel8.x86_64 3/3
  Verifying   : postgresql13-13.6-1PGDG.rhel8.x86_64            1/3
  Verifying   : postgresql13-libs-13.6-1PGDG.rhel8.x86_64       2/3
  Verifying   : postgresql13-server-13.6-1PGDG.rhel8.x86_64     3/3

Installed:
postgresql13-13.6-1PGDG.rhel8.x86_64          postgresql13-libs-13.6-1PGDG.rhel8.x86_64          postgresql13-server-13.6-1PGDG.rhel8.x86_64

Complete!
[root@jhyun-guide-rockey8 ~]#

```

2.초기화 및 서비스 등록

```

# PostgreSQL
sudo /usr/pgsql-13/bin/postgresql-13-setup initdb

#
sudo systemctl enable postgresql-13

#
sudo systemctl start postgresql-13

#
sudo systemctl status postgresql-13

```

```

[root@jhyun-guide-rockey8 ~]# sudo /usr/pgsql-13/bin/postgresql-13-setup initdb
Initializing database ... OK

[root@jhyun-guide-rockey8 ~]# sudo systemctl enable postgresql-13
Created symlink /etc/systemd/system/multi-user.target.wants/postgresql-13.service → /usr/lib/systemd/system/postgresql-13.service.
[root@jhyun-guide-rockey8 ~]# sudo systemctl start postgresql-13
[root@jhyun-guide-rockey8 ~]# sudo systemctl status postgresql-13
● postgresql-13.service - PostgreSQL 13 database server
   Loaded: loaded (/usr/lib/systemd/system/postgresql-13.service; enabled; vendor preset: disabled)
   Active: active (running) since Tue 2022-04-19 17:28:58 KST; 5s ago
     Docs: https://www.postgresql.org/docs/13/static/
   Process: 55009 ExecStartPre=/usr/pgsql-13/bin/postgresql-13-check-db-dir ${PGDATA} (code=exited, status=0/SUCCESS)
  Main PID: 55015 (postmaster)
    Tasks: 8 (limit: 101080)
   Memory: 16.9M
   CGroup: /system.slice/postgresql-13.service
           └─55015 /usr/pgsql-13/bin/postmaster -D /var/lib/pgsql/13/data/
             └─55016 postgres: logger
               └─55018 postgres: checkpoint writer
                 └─55019 postgres: background writer
                   └─55020 postgres: walwriter
                     └─55021 postgres: autovacuum launcher
                       └─55022 postgres: stats collector
                         └─55023 postgres: logical replication launcher

Apr 19 17:28:58 jhyun-guide-rockey8.5 systemd[1]: Starting PostgreSQL 13 database server...
Apr 19 17:28:58 jhyun-guide-rockey8.5 postmaster[55015]: 2022-04-19 17:28:58.985 KST [55015] LOG: redirecting log output to logging collector process
Apr 19 17:28:58 jhyun-guide-rockey8.5 postmaster[55015]: 2022-04-19 17:28:58.985 KST [55015] HINT: Future log output will appear in directory "log".
Apr 19 17:28:58 jhyun-guide-rockey8.5 systemd[1]: Started PostgreSQL 13 database server.

```

3.콘솔 접속 확인

```
#
su - postgres

# psql
psql

# DB
\l
```

```
[root@jhyun-guide-rockey8 ~]# su - postgres
[postgres@jhyun-guide-rockey8 ~]$ psql
psql (13.6)
Type "help" for help.

postgres=# \l

               List of databases
  Name      | Owner   | Encoding | Collate | Ctype   | Access privileges
-----+-----+-----+-----+-----+-----
 postgres   | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 | =c/postgres
 template0  | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 | =c/postgres
 postgres=CTc/postgres
 template1  | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 | =c/postgres
 postgres=CTc/postgres
(3 rows)

postgres=# █
```

※ 다른 서버에서 PostgreSQL DB 연동시 인증 오류 날 경우 아래 링크 참조

- [PostgreSQL 연동시 유저 인증 오류 해결방법](#)

참조

- [PostgreSQL: Linux downloads \(Red Hat family\)](#)