

postgresql

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postgresql 9.2.4 安装

1. 环境

- Postgresql : 9.2.4
- OS : Centos 5.10

2. postgresql 安装前 安装 依赖

```
$> yum -y install compat-readline43 readline-devel crypto-utils.* openssl* readline-devel pam-devel
```

3. 解压 postgresql-9.2.4.tar.gz , 编译 -> 安装 postgresql

```
$> tar -zxvf postgresql-9.2.4.tar.gz
$> cd postgresql-9.2.4
./configure \
-&#45enable-nls='ko' \
-&#45enable-depend \
-&#45enable-thread-safety \
--mandir=/usr/share/man \
--with-includes=/usr/include \
--with-pam \
--with-openssl \
--without-tcl \
--without-perl \
--without-python
$> gmake ; gmake install
```

4. postgres 用户 创建

```
$> groupadd dba
$> adduser -d /usr/local/pgsql -g dba -c "PostgreSQL Master User" -m -s $> /bin/bash postgres
$> mkdir /usr/local/pgsql/data
$> chown postgres /usr/local/pgsql/data
$> chown -R postgres:dba /usr/local/pgsql
$> cd /usr/local/pgsql
$> chown -R root lib include
```

5. 切换 postgres sql 用户 安装 postgresql 安装 脚本

```
$> su - postgres
$> echo "
export MANPATH=$HOME/man
export PGDATA=/usr/local/pgsql/data
export PATH=$PATH:/usr/local/pgsql/bin" >> /usr/local/pgsql/.bash_profile
$> source /usr/local/pgsql/.bash_profile
$> exit
```

6. postgresql DB 初始化

```
$> su - postgres -c "/usr/local/pgsql/bin/initdb -D /usr/local/pgsql/data"
```

7. 创建 postgres 用户 的 rc.local 文件

```
$> echo 'su - postgres -c "/usr/local/pgsql/bin/pg_ctl start -D /usr/local/pgsql/data/" &' >> /etc/rc.d/rc.local
```

8. 验证 postgres 5432 端口 是否 监听

```
$> netstat -antp
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address Foreign Address State PID/Program name
...
tcp 0 0 127.0.0.1:5432 0.0.0.0:* LISTEN 22435/postgres
...
```


postgresql 9.4.26

설치

1. db user 및 data 디렉토리 생성

```
$> useradd psql
$> mkdir /home/data
$> chown -R psql: /home/data
```

2. source 코드 다운로드

```
$> wget https://ftp.postgresql.org/pub/source/v9.4.26/postgresql-9.4.26.tar.gz --no-check-certificate
```

3. dependency 패키지 설치

```
$> yum install \
readline-devel \
zlib-devel \
openssl-devel \
tcl-devel -y
```

4. 컴파일 및 설치

```
$> ./configure --prefix=/usr/local/psql --with-openssl --with-tcl
$> make -j 4
$> make -j 4 install
```

DB 초기화

1. psql 초기화

```
$> su - psql
$> cd /usr/local/psql/bin
$> ./initdb -D /home/data
```

The files belonging to this database system will be owned by user "psql".
This user must also own the server process.

The database cluster will be initialized with locale "ko_KR.UTF-8".
The default database encoding has accordingly been set to "UTF8".
initdb: could not find suitable text search configuration for locale "ko_KR.UTF-8"
The default text search configuration will be set to "simple".

Data page checksums are disabled.

```
fixing permissions on existing directory /home/data ... ok
creating subdirectories ... ok
selecting default max_connections ... 100
selecting default shared_buffers ... 128MB
selecting default timezone ... ROK
selecting dynamic shared memory implementation ... posix
creating configuration files ... ok
creating template1 database in /home/data/base/1 ... ok
initializing pg_authid ... ok
initializing dependencies ... ok
creating system views ... ok
loading system objects' descriptions ... ok
creating collations ... ok
creating conversions ... ok
creating dictionaries ... ok
setting privileges on built-in objects ... ok
creating information schema ... ok
loading PL/pgSQL server-side language ... ok
vacuuming database template1 ... ok
copying template1 to template0 ... ok
```

```
copying template1 to postgres ... ok
syncing data to disk ... ok
```

WARNING: enabling "trust" authentication for local connections
You can change this by editing pg_hba.conf or using the option -A, or
--auth-local and --auth-host, the next time you run initdb.

Success. You can now start the database server using:

```
./postgres -D /home/data
or
./pg_ctl -D /home/data -l logfile start
```

2. 启动 postgres

```
$ /usr/local/pgsql/bin/postgres -D /home/data/ >logfile 2>&1 &
```

3. 查看 postgres 进程

```
$> ps -ef | grep post
psql  16193 16108  0 10:54 pts/0    00:00:00 /usr/local/pgsql/bin/postgres -D /home/data/
psql  16195 16193  0 10:54 ?        00:00:00 postgres: checkpointer process
psql  16196 16193  0 10:54 ?        00:00:00 postgres: writer process
psql  16197 16193  0 10:54 ?        00:00:00 postgres: wal writer process
psql  16198 16193  0 10:54 ?        00:00:00 postgres: autovacuum launcher process
psql  16199 16193  0 10:54 ?        00:00:00 postgres: stats collector process
psql  16201 16108  0 10:54 pts/0    00:00:00 grep --color=auto post
```

```
netstat -antp | grep postgres
```

(Not all processes could be identified, non-owned process info
will not be shown, you would have to be root to see it all.)

```
tcp    0    0 127.0.0.1:5432      0.0.0.0:*        LISTEN  16193/postgres
tcp6   0    0 :::5432             :::*             LISTEN  16193/postgres
```

postgresql 备份/还原

1. DB备份 备份

```
-bash-4.1$ pg_dump testdb > test.sql
```

2. DB 备份 备份

```
bash-4.1$ pg_dump -s testdb > test.sql
```

3. 还原 还原

```
bash-4.1$ psql testdb < test.sql
```

Centos7 安装教程

Centos7 安装教程 HDD 安装 虚拟机安装 安装

HDD 安装 虚拟机安装 安装 (虚拟机安装 虚拟机安装 虚拟机安装)

虚拟机 虚拟机 虚拟机



Tab 虚拟机 虚拟机 inst.dd 虚拟机

虚拟机 虚拟机

```

Starting Driver Update Disk UI on tty1...
DD: Checking devices

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Driver disk device selection

```

	DEVICE	TYPE	LABEL	UUID
1)	vda1	ext2	HOME	8c9d0c6e-4fea-4910-9bac-6609bc8ff847
2)	vda2	xfs		9dcc606d-a9ca-41d1-98b5-e9411769e37f
3)	vdb1	ext4	DD_PART	dd69ffa5-c72e-4b61-ae39-0197d6960fc3

```

# to select, 'n'-next page, 'p'-previous page or 'c'-continue: 3
[ 97.268612] EXT4-fs (vdb1): mounted filesystem without journal. Opts: (null)

Page 1 of 1
Choose driver disk ISO file
1) dd.iso

# to select, 'n'-next page, 'p'-previous page or 'c'-continue: 1
DD: Checking device /media/DD-search/dd.iso
[ 112.233480] loop: module loaded
DD: Processing DD repo /media/DD//rpms/x86_64 on /media/DD-search/dd.iso

Page 1 of 1
Select drivers to install
1) [ ] /media/DD//rpms/x86_64/kmod_e10.rpm

# to toggle selection, 'n'-next page, 'p'-previous page or 'c'-continue: 1

Page 1 of 1
Select drivers to install
1) [x] /media/DD//rpms/x86_64/kmod_e10.rpm

# to toggle selection, 'n'-next page, 'p'-previous page or 'c'-continue: _

```

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```

00 0000 00 000 Yum update 0 000 000 0 00 00 000 000

```