

快速安装postgresql10

准备

- CentOS7.4主机一台(4C8G60G)
- 外网环境
- 具有sudo权限的用户

安装

- 检查是否已经安装postgresql

```
[zdaas@hp15 ~]$ rpm -qa | grep postgre  
postgresql-libs-9.2.21-1.el7.x86_64
```

- 卸载已经安装的postgresql

```
[zdaas@hp15 ~]$ sudo yum remove postgresql*  
已加载插件: fastestmirror  
正在解决依赖关系  
--> 正在检查事务  
.....  
作为依赖被删除:  
    sysbench.x86_64 0:1.0.9-2.el7  
完毕!
```

- Install the repository RPM

```
[zdaas@hp15 ~]$ sudo yum install https://download.postgresql.org/pub/repos/yum/reporpms/EL-7-x86_64/pgdg-redhat-repo-latest.noarch.rpm  
已加载插件: fastestmirror  
pgdg-redhat-repo-latest.noarch.rpm | 6.5 kB 00:00:00  
正在检查 /var/tmp/yum-root-6UKnb0/pgdg-redhat-repo-latest.noarch.rpm: pgdg-redhat-repo-42.0-11.noarch  
.....  
已安装:  
    pgdg-redhat-repo.noarch 0:42.0-11  
完毕!
```

- Install PostgreSQL

```
[zdaas@hp15 ~]$ sudo yum install postgresql10-server
已加载插件: fastestmirror
pgdg-common | 2.9 kB 00:00:00
pgdg10 | 3.6 kB 00:00:00
pgdg11 | 3.6 kB 00:00:00
pgdg12 | 3.6 kB 00:00:00
pgdg95 | 3.6 kB 00:00:00
.....
完毕!
```

- initialize the database

```
[root@hp15 home]# sudo -i /usr/pgsql-10/bin/postgresql-10-setup initdb
Initializing database ... OK
```

- 设置开机启动(非必要)

```
[zdaas@hp15 ~]$ sudo systemctl enable postgresql-10
[zdaas@hp15 ~]$ sudo systemctl start postgresql-10
```

- 验证启动成功

```
[zdaas@hp15 ~]$ sudo lsof -i:5432
COMMAND      PID      USER   FD   TYPE    DEVICE  SIZE/OFF  NODE NAME
postmaster  23101  postgres   3u   IPv6  48965852      0t0  TCP localhost:postgres (LISTEN)
```

配置远程连接

- 切换到postgres用户

```
[zdaas@hp15 ~]$ sudo -i
[root@hp15 ~]# su - postgres
上一次登录: 二 8月 4 18:47:35 CST 2020pts/1 上
-bash: PROMPT_COMMAND: 只读变量
-bash-4.2$ vim /var/lib/pgsql/10/data/postgresql.conf
```

- 修改文件postgresql.conf

```
vim /var/lib/pgsql/10/data/postgresql.conf
把listen_address = 'localhost' 改为 listen_address = '*'
```

- 修改文件pg_hba.conf

```
vim /var/lib/pgsql/10/data/pg_hba.conf
在文件最后加入:
host all all 0.0.0.0/0 md5
```

- 重启postgresql(切回普通用户)

```
[zdaas@hp15 ~]$ sudo systemctl stop postgresql-10
[zdaas@hp15 ~]$ sudo systemctl start postgresql-10
```

- 验证

NAME是*:postgres(LISTEN)

```
[zdaas@hp15 ~]$ sudo lsof -i:5432
COMMAND  PID    USER  FD  TYPE  DEVICE SIZE/OFF NODE NAME
postmaste 643 postgres  3u  IPv4 48964243      0t0  TCP *:postgres (LISTEN)
postmaste 643 postgres  4u  IPv6 48964244      0t0  TCP *:postgres (LISTEN)
```

创建数据库

- 先切换到postgres用户(先切换到root再切换到postgres)

```
[zdaas@hp15 ~]$ sudo -i
[root@hp15 ~]# su - postgres
上一次登录: 二 8月 4 18:59:52 CST 2020pts/1 上
-bash: PROMPT_COMMAND: 只读变量
-bash-4.2$ /usr/pgsql-10/bin/createdb zdaastest
```

- 创建数据库

```
/usr/pgsql-10/bin/createdb zdaastest
```

- psql登录

```
postgres@dell131[/var/lib/pgsql]$ /usr/pgsql-10/bin/psql -d zdaastest
psql (10.13)
Type "help" for help.

zdaastest=#
```

- 创建用户

```
create user zdaastest password 'zdaastest';
create schema zdaastest authorization zdaastest;
alter user zdaastest createdb creatorole;
```

客户端登录

- 防火墙开放端口（或者关闭防火墙）

```
sudo firewall-cmd --permanent --zone=public --add-port=5432/tcp
sudo firewall-cmd --reload
```

关闭防火墙

```
sudo systemctl stop firewalld.service
sudo systemctl status firewalld.service
```

- 客户端连接



reference:

<https://www.postgresql.org/download/linux/redhat/>

<https://blog.csdn.net/Gzigithub/article/details/85169436>

