Linux环境PostgreSQL源码编译安装

Linux环境PostgreSQL源码编译安装 Linux版本: Red Hat 6.5 PostgreSQL版本: postgresq1-9.6.2.tar.gz 数据存放目录: /var/postgresql/data 软件安装位置: /usr/local/postgresql 依赖gcc环境, yum install gcc (需要配置yum源, iso源即可) 安装步骤及脚本: #创建用户和组 groupadd postgres useradd -g postgres postgres #进入安装目录 cd /usr/local/ #删除原有安装 rm -rf postgresql #解压 路径 /usr/local/postgresql tar zxvf postgresq1-9.6.2.tar.gz cd postgresql #配置 $./configure \ --prefix=/usr/local/postgresql \ --without-readline \ --without-zlib$ #编译安装 make make install #安装contrib目录下的一些工具,是第三方组织的一些工具代码,建议安装 cd /usr/local/postgresql/contrib makemake install #添加环境变量,并使之生效(初级用户请自行学习设置) export PATH=/usr/local/postgresql/bin:\$PATH #建postgres数据库的目录 mkdir -p /var/postgresql/data chown postgres:postgres /var/postgresql/* chown postgres:postgres /usr/local/postgresq1/*

#切换用户

su postgres

#初始化数据库

initdb -D /var/postgresql/data

chmod -R 775 /var/postgresql/*

pg_ctl -D /var/postgresql/data -l /var/postgresql/log/pg_server.log start

ps -A | grep postgres

```
is shut down at 2017-09-06 00:37:14 EDT

was shut down at 2017-09-06 00:37:14 EDT

was paround protections are now enabled

ther started

is ready to accept connections

tupdate" does not exist at character 67

Iname, rolsuper, rolinherit, rolcreaterole, rolcreatedb, rolcatupdate, rolcanlogin, rolconnlimit, rolvaliduntil, rolconfig, oid FROM pg_roles

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以上通过日志观察第一次启动存在权限问题,修正后: chmod 700 /var/postgresql/data

重新启动正常

#创建测试数据库

createdb test;

#连接数据库

psql -U postgres

```
alocalhost ~]# psql -U postgres
sql (9.6.2)
ype "help" for help.
```

#切换到david 数据库

\c test

```
are now connected to database "test" as user "postgres".
```

#创建测试表

create table test (id integer, name text);

#插入测试数据

insert into test values (1, 'david');

#选择数据

select * from test ;

#修改linux 系统用户postgres 的密码

passwd postgres

#postgres

#修改PostgresSQL 数据库配置实现远程访问

#修改postgresql.conf 文件

vi /var/postgresql/data/postgresql.conf

#-----允许远程连接-----

#修改客户端认证配置文件pg_hba. conf,将需要远程访问数据库的IP地址或地址段加入该文件 vi /var/postgresql/data/pg hba. conf

#在文件的86行修改下面的这句话

 $host \qquad all \qquad \qquad 0.\,0.\,0.\,0/0 \qquad \qquad trust$

备注: 设置 **trust**, 本地可以使用psql -U postgres直接登录服务器; 设置 **peer**, 本地可以使用psql -h 127.0.0.1 -d postgres -U postgres直接登录服务器;

#重启服务

 $\label{logp} $$ pg_ct1 -D /var/postgresql/data -1 /var/postgresql/log/pg_server.log restart tail -100f /var/postgresql/log/pg_server.log$

#停止服务

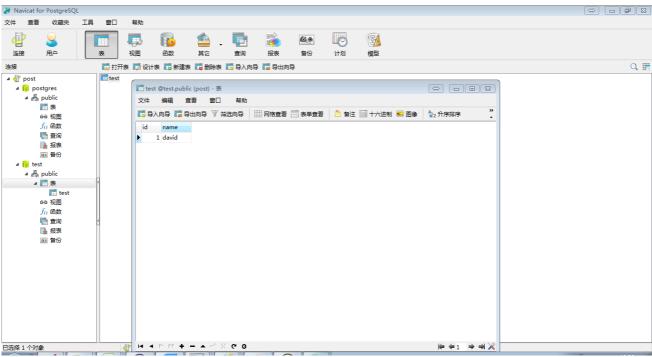
pg ctl -D /var/postgresql/data -l /var/postgresql/log/pg server.log stop

#端口是否启用

netstat -anp | grep 5432

ALTER USER postgres WITH PASSWORD 'postgres'; //添加密码 select * from pg_shadow; \q回车 退出登录





常用操作:

有三种方式可以查看postgresql运行是否运行

ps -ef | grep postgres 查postgres的进程信息