# linux postgres install from source

**环境**

centos6.5\_x64

postgresql-9.3.13.tar.gz

此文档可以支持postgresql-9.4.x,postgresql-9.5.x,postgresql-9.6.x系列，文档经过测试，可以放心使用。

**安装**

**1、上传文件**

postgresql-9.3.13.tar.gz

# tar xvf postgresql-9.3.13.tar.gz

**2、关闭防火墙**

# chkconfig --list iptables;

iptables 0:off 1:off 2:on 3:on 4:on 5:on 6:off

# chkconfig iptables off;

**3、创建用户和组**

# groupadd osdba

# useradd -g osdba osdba

# passwd osdba

1. **编译软件**

# yum -y install readline-devel perl-ExtUtils-Embed bison flex zlib zlib-devel python python-devel gcc

# ./configure --prefix=/usr/local/pgsql --with-perl --with-python

# make

# make install

**5、授权**

# chown -R osdba:osdba /usr/local/pgsql/

**6、修改环境变量**

# su - osdba

$ vim .bash\_profile

export PGHOME=/usr/local/pgsql

export PATH=$PGHOME/bin/:$PATH

export PGDATA=$PGHOME/data

export LD\_LIBRARY\_PATH=$PGHOME/lib:$LD\_LIBRARY\_PATH

$ source .bash\_profile

**7、创建数据库**

$ initdb -E UNICODE -D $PGHOME/data

**8、修改配置参数**

$ vim postgresql.conf

listen\_addresss=’\*’

logging\_collector=on

1. 启动关闭数据库并登录

$ pg\_ctl start &

$ pg\_ctl stop

$ psql -d postgres

参考文档

https://my.oschina.net/tashi/blog/189351

**报错**

error 1:

checking for flags to link embedded Perl... Can't locate ExtUtils/Embed.pm in @INC (@INC contains: /usr/local/lib64/perl5 /usr/local/share/perl5 /usr/lib64/perl5/vendor\_perl /usr/share/perl5/vendor\_perl /usr/lib64/perl5 /usr/share/perl5 .).

BEGIN failed--compilation aborted.

no

configure: error: could not determine flags for linking embedded Perl.

This probably means that ExtUtils::Embed or ExtUtils::MakeMaker is not

installed.

[solution]

# yum -y install perl-ExtUtils-Embed

error 2

checking for bison... no

configure: WARNING:

\*\*\* Without Bison you will not be able to build PostgreSQL from Git nor

\*\*\* change any of the parser definition files. You can obtain Bison from

\*\*\* a GNU mirror site. (If you are using the official distribution of

\*\*\* PostgreSQL then you do not need to worry about this, because the Bison

\*\*\* output is pre-generated.)

checking for flex... no

configure: WARNING:

\*\*\* Without Flex you will not be able to build PostgreSQL from Git nor

\*\*\* change any of the scanner definition files. You can obtain Flex from

\*\*\* a GNU mirror site. (If you are using the official distribution of

\*\*\* PostgreSQL then you do not need to worry about this because the Flex

\*\*\* output is pre-generated.)

[solution]

# yum -y install bison

# yum -y install flex

error 3

checking for inflate in -lz... no

configure: error: zlib library not found

[solution]

# yum install zlib zlib-devel -y

error 4

checking for Python.h... no

configure: error: header file <Python.h> is required for Python

[solution]

# yum install python python-devel -y

error 5

checking for gcc... no

checking for cc... no

configure: error: in `/opt/postgresql-9.3.13':

configure: error: no acceptable C compiler found in $PATH

See `config.log' for more details.

[solution]

# yum -y install gcc

error 6

configure: error: readline library not found

[solution]

# yum -y install readline-devel