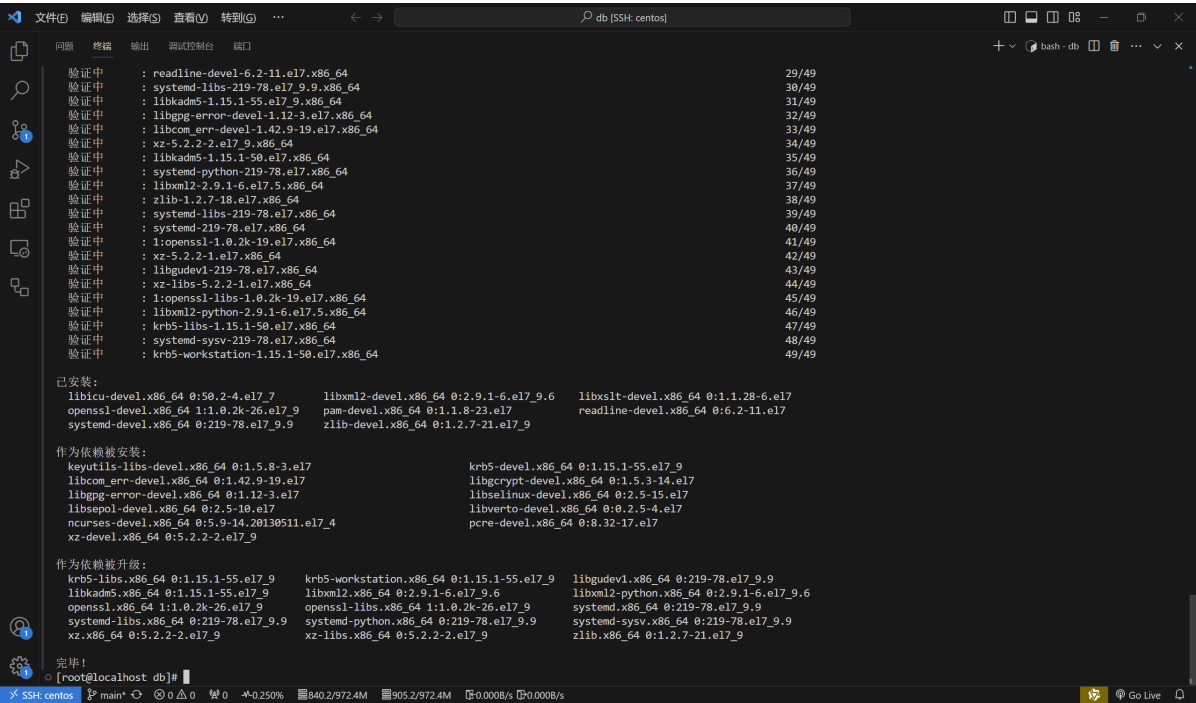


查看ip

```
hostname -I
```

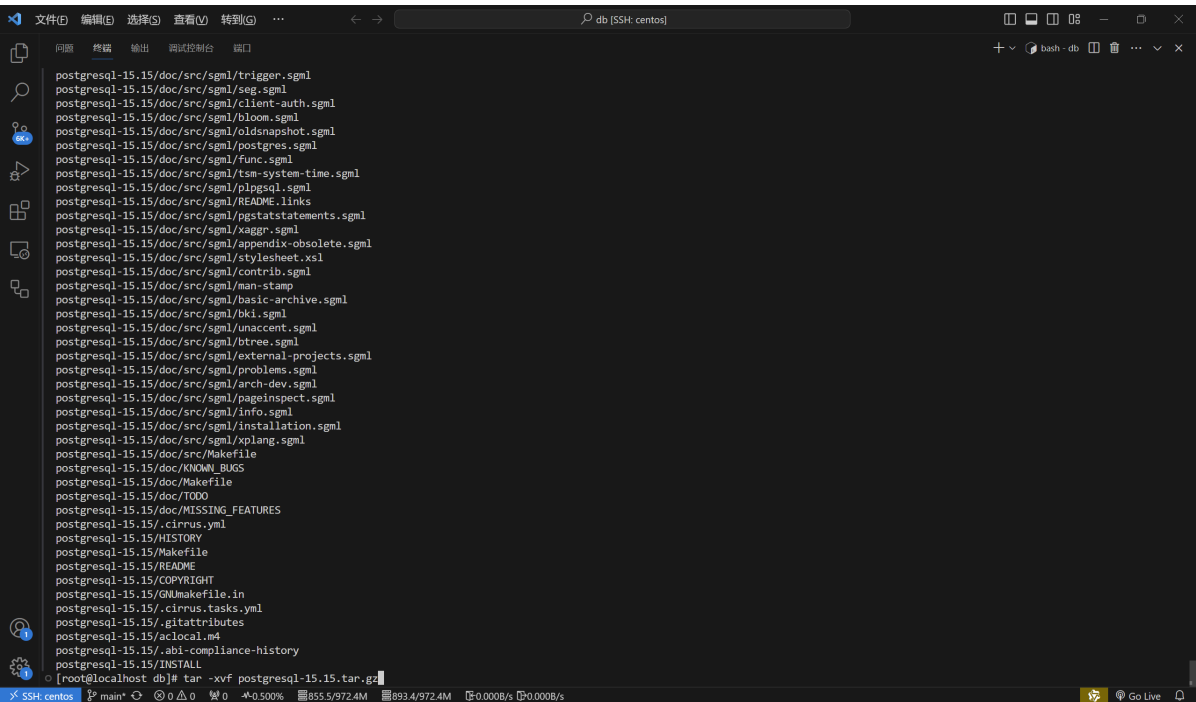
安装依赖

```
sudo yum install -y readline-devel zlib-devel libicu-devel openssl-devel pam-devel libxml2-devel libxslt-devel systemd-devel
```



解压源码包并切换到目录

```
tar -xvf postgresql-15.15.tar.gz
cd postgresql-15.15/
```



配置编译选项

```
./configure --prefix=/db/uxdb --enable-debug
```

File Edit View Window Help db [SSH: centos]

问题 报错 输出 调试控制台 窗口

```
checking for int64... no
checking for uint64... no
checking for __int128... yes
checking for __int128 alignment bug... ok
checking alignment of PG_INT128_TYPE... 16
checking for builtin __sync char locking functions... yes
checking for builtin __sync int32 locking functions... yes
checking for builtin __sync int32 atomic operations... yes
checking for builtin __sync int64 atomic operations... yes
checking for builtin __atomic int32 atomic operations... yes
checking for builtin __atomic int64 atomic operations... yes
checking for __get_cpuid... yes
checking for __mm_crc32_u8 and __mm_crc32_u32 with CFLAGS=-... no
checking for __mm_crc32_u8 and __mm_crc32_u32 with CFLAGS=-msse4.2... yes
checking for __rcrc32cb, __rcrc32cw, and __rcrc32cd with CFLAGS=-... no
checking for __rcrc32cb, __rcrc32cb, __rcrc32cw, and __rcrc32cd with CFLAGS=-march=armv8-a+rcrc+simd... no
checking for __rcrc32cb, __rcrc32cb, __rcrc32cw, and __rcrc32cd with CFLAGS=-march=armv8-a+rcrc... no
checking which CRC-32C implementation to use... SSE 4.2 with runtime check
checking for library containing sem_init... none required
checking which semaphore API to use... unnamed POSIX
checking which random number source to use... /dev/urandom
checking for /dev/urandom... yes
checking for mallint... /usr/bin/mallint
checking for xs1tproc... /usr/bin/xs1tproc
checking for fop... no
checking for dtotopub... no
checking whether gcc -std=gnu99 supports -Wl,-as-needed... yes
configure: using compiler=GCC (GCC 4.8.5 20150623 (Red Hat 4.8.5-44))
configure: using CFLAGS=-Wall -Wmissing-prototypes -Wpointer-arith -Wdeclaration-after-statement -Werror=vla -Wendif-labels -Wmissing-format-attribute -Wformat-security -fno-strict-aliasing -fwrapv -fexcess-precision=standard -O2
configure: using CPPFLAGS=-D_GNU_SOURCE
configure: using LDFLAGS=-Wl,-as-needed
configure: creating ./config.status
config.status: creating GNUmakefile
config.status: creating src/Makefile.global
config.status: creating src/include/pg_config.h
config.status: creating src/include/pg_config_ext.h
config.status: creating src/interfaces/ecpg/include/ecpg_config.h
config.status: linking src/backend/port/tasdummy.s to src/backend/port/tas.s
config.status: linking src/backend/port/posix_sema.c to src/backend/port/pg_sema.c
config.status: linking src/backend/port/sysv_shmem.c to src/backend/port/pg_shmem.c
config.status: linking src/include/port/linux.h to src/include/pg_config.os.h
config.status: linking src/makefiles/Makefile.linux to src/Makefile.port
[root@localhost postgresql-15.15] #
```

SSH: centos main 875.6/972.4M 900.7/972.4M 0.0008/s 0.0008/s Go Live

编译与安装

```
sudo make && sudo make install
```

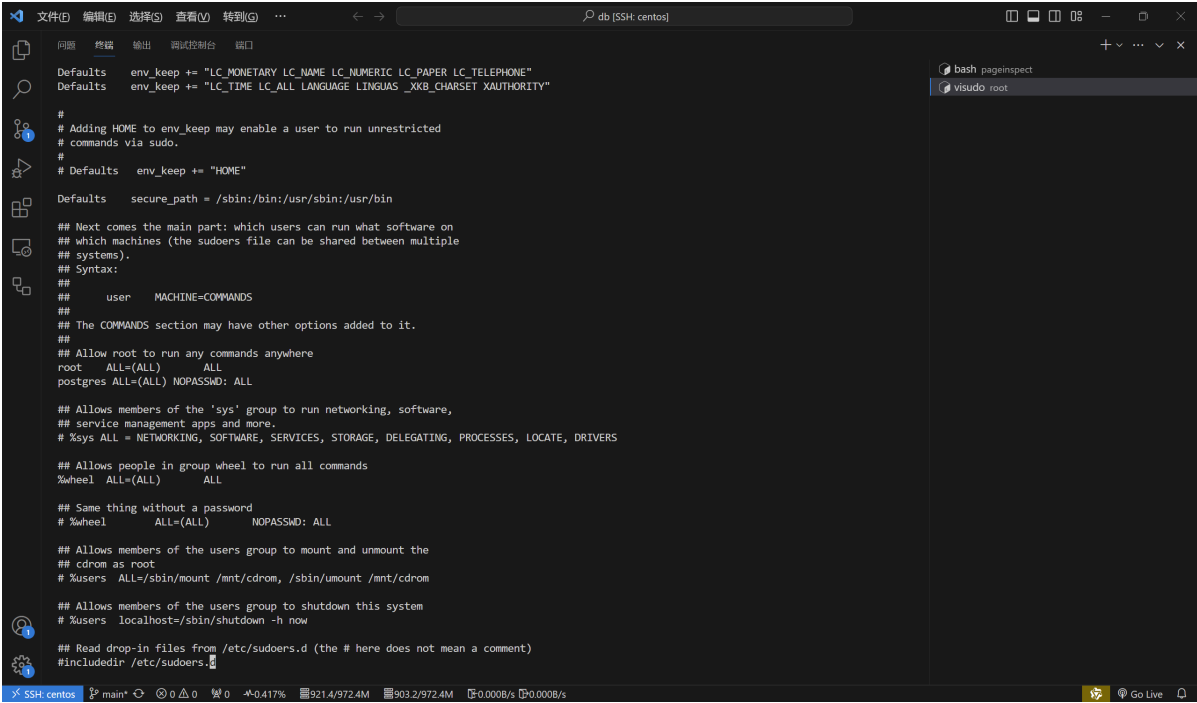
[illegible]

使用 visudo 命令编辑配置文件

```
visudo
```

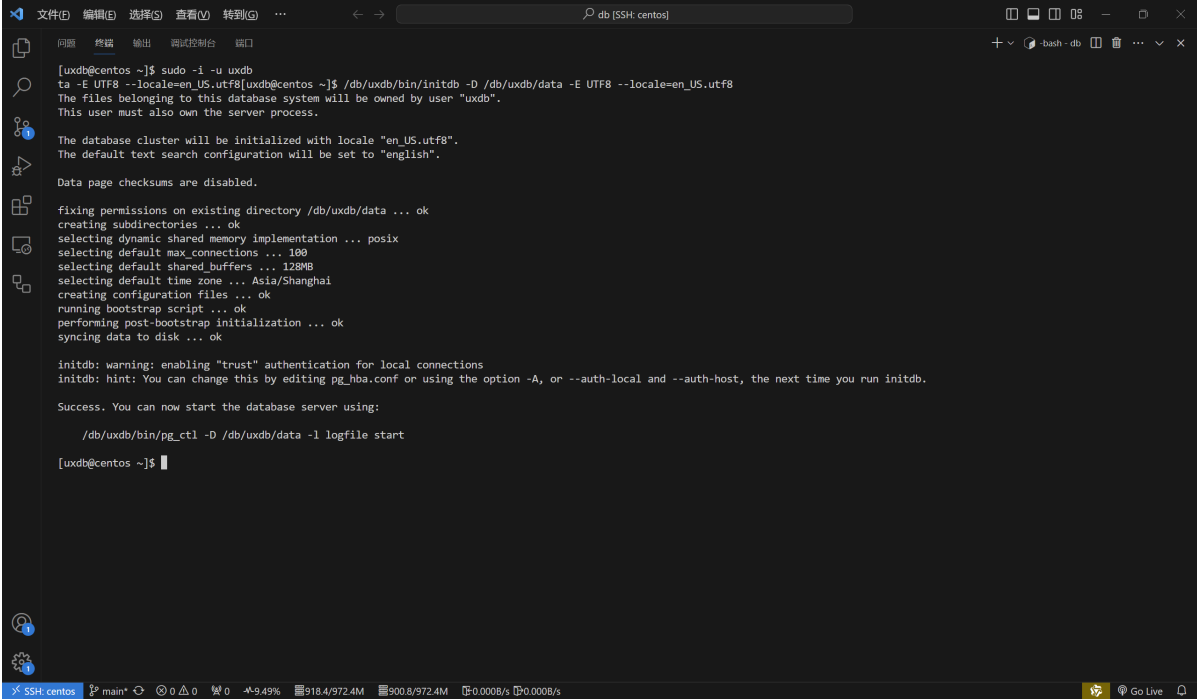
授予 uxdb用户完整的 sudo 权限且无需输入密码

```
uxdb ALL=(ALL) NOPASSWD: ALL
```



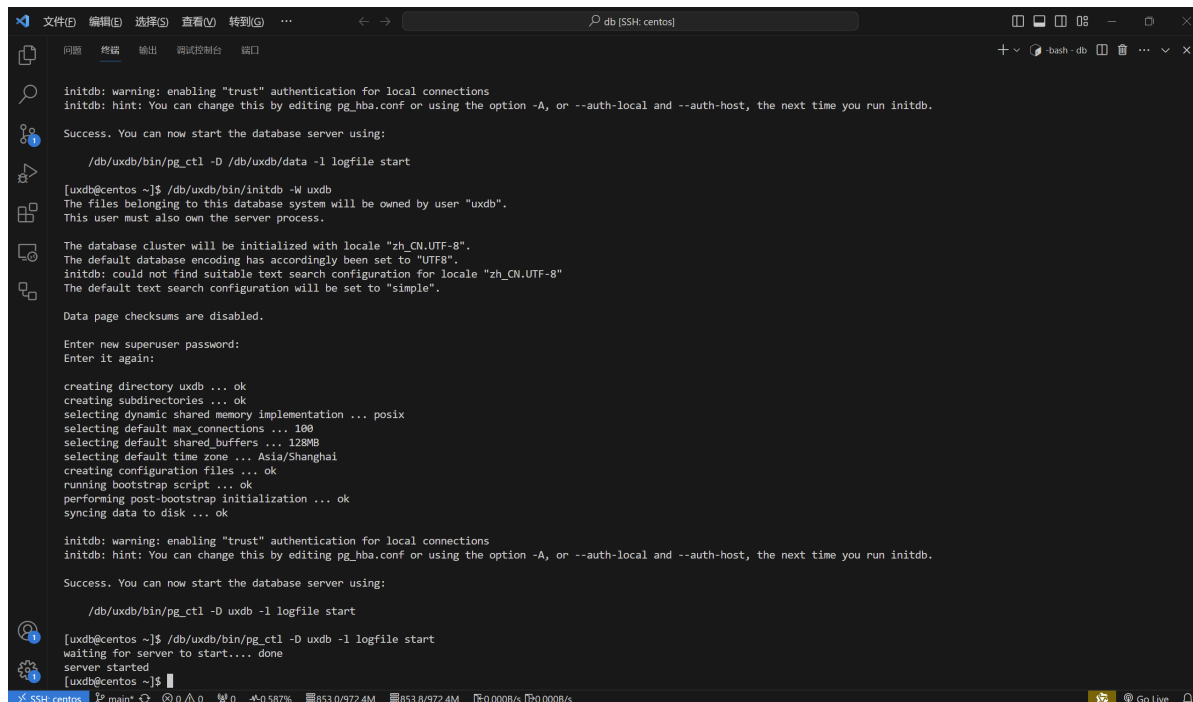
切换到uxdb用户

```
sudo chmod -R 777 /db
sudo -i -u uxdb
```



初始化数据库实例和启动数据库实例

```
/db/uxdb/bin/initdb -w uxdb  
/db/uxdb/bin/pg_ctl -D uxdb -l logfile start
```



The screenshot shows a terminal window with the following output:

```
initdb: warning: enabling "trust" authentication for local connections  
initdb: hint: 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:  
  
    /db/uxdb/bin/pg_ctl -D /db/uxdb/data -l logfile start  
  
[uxdb@centos ~]$ /db/uxdb/bin/initdb -w uxdb  
The files belonging to this database system will be owned by user "uxdb".  
This user must also own the server process.  
  
The database cluster will be initialized with locale "zh_CN.UTF-8".  
The default database encoding has accordingly been set to "UTF8".  
initdb: could not find suitable text search configuration for locale "zh_CN.UTF-8"  
The default text search configuration will be set to "simple".  
  
Data page checksums are disabled.  
  
Enter new superuser password:  
Enter it again:  
  
creating directory uxdb ... ok  
creating subdirectories ... ok  
selecting dynamic shared memory implementation ... posix  
selecting default max_connections ... 100  
selecting default shared_buffers ... 128MB  
selecting default time zone ... Asia/Shanghai  
creating configuration files ... ok  
running bootstrap script ... ok  
performing post-bootstrap initialization ... ok  
syncing data to disk ... ok  
  
initdb: warning: enabling "trust" authentication for local connections  
initdb: hint: 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:  
  
    /db/uxdb/bin/pg_ctl -D uxdb -l logfile start  
  
[uxdb@centos ~]$ /db/uxdb/bin/pg_ctl -D uxdb -l logfile start  
waiting for server to start.... done  
server started  
[uxdb@centos ~]$
```

修改环境变量

```
sudo vi /etc/profile
```

在文件的末尾添加以下行:

```
export PATH=/db/uxdb/bin:$PATH
```

保存并生效: 保存文件后, 使用 source命令使配置立即在当前终端生效, 或者注销后重新登录。

```
source /etc/profile
```