

本文件只适用于PLCnext 2152 (2019.9)

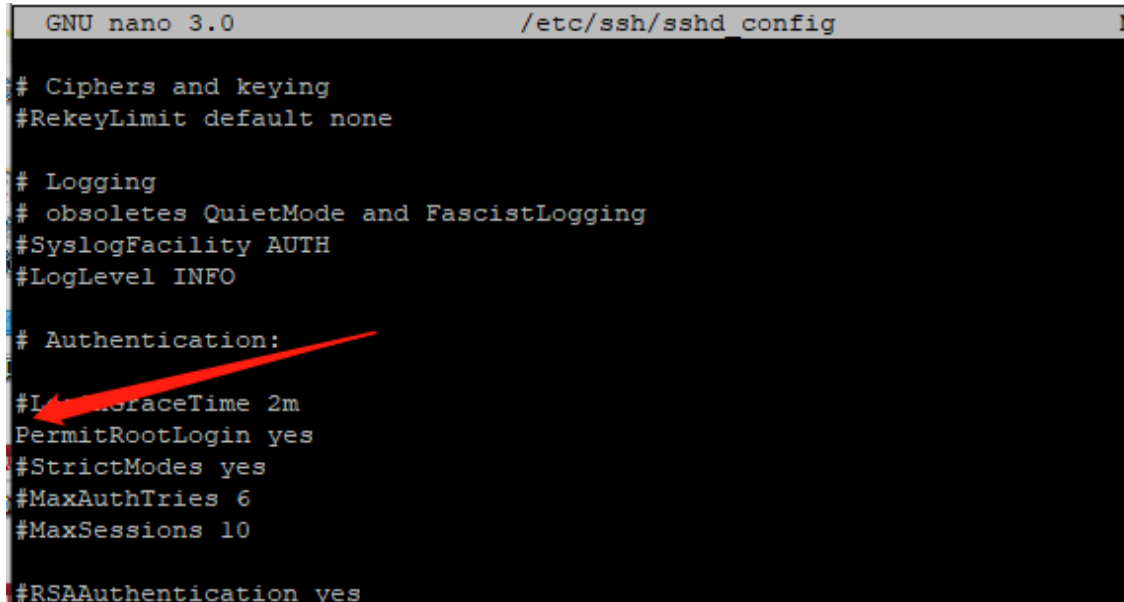
All files with this document is only support for PLCnext 2152 (2019.9)

1. 设置root密码 Set root password

```
sudo passwd root
```

2. 开启root权限ssh登录 permit root while using ssh

```
nano /etc/ssh/sshd_config
```



```
GNU nano 3.0 /etc/ssh/sshd_config

# Ciphers and keying
#RekeyLimit default none

# Logging
# obsoletes QuietMode and FascistLogging
#SyslogFacility AUTH
#LogLevel INFO

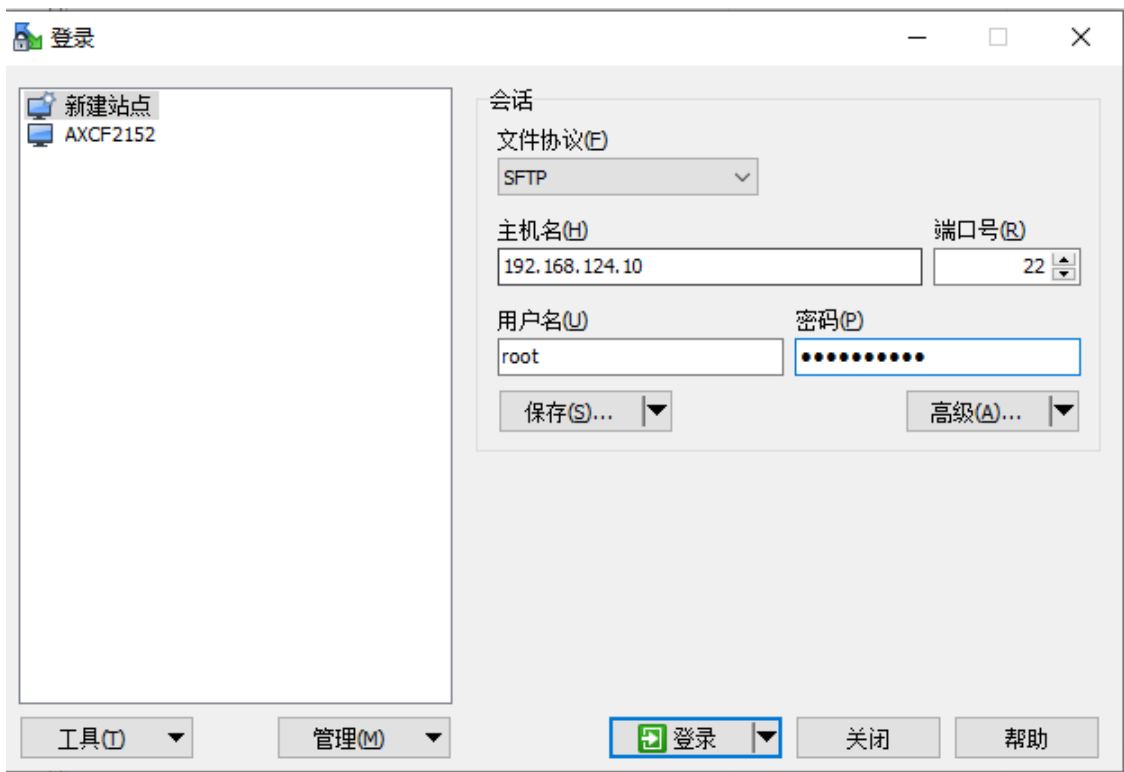
# Authentication:

#LoginGraceTime 2m
PermitRootLogin yes
#StrictModes yes
#MaxAuthTries 6
#MaxSessions 10

#RSAAuthentication yes
```

```
sudo /etc/init.d/sshd restart
```

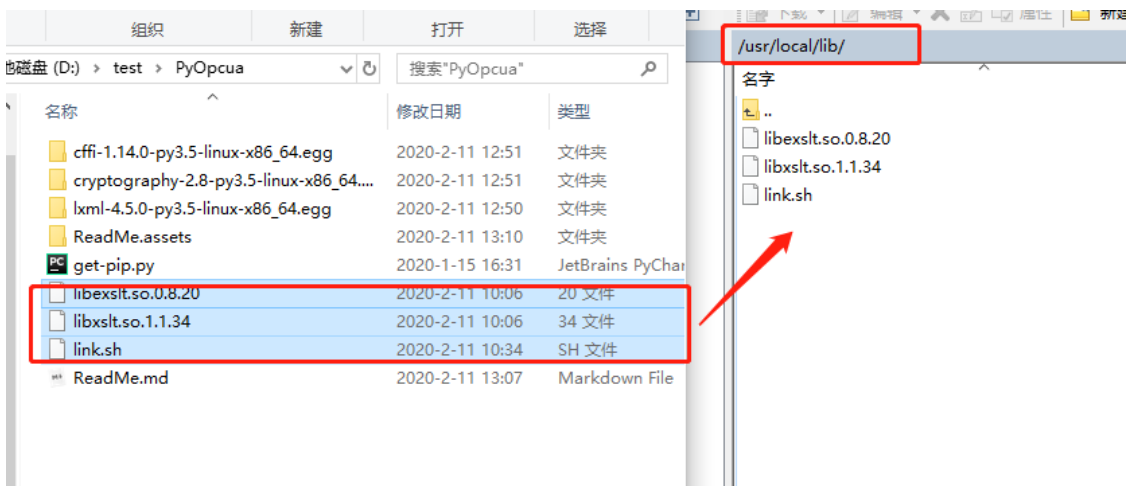
3. 使用root账户登录SSH log ssh using root



4. Install pip

```
root@192.168.124.10
root@axcf2152:~# python3 /opt/plcnext/get-pip.py
Collecting pip
  Downloading https://files.pythonhosted.org/packages/54/0c/d01aa759fdc501a58f431eb594a17495f15b88dal42cel4b5845662c13f3/pip-20.0.2-py2.py3-none-any.whl (1.4MB)
    |#####| 1.4MB 152kB/s
Collecting setuptools
  Downloading https://files.pythonhosted.org/packages/3d/72/1c1498cle908e0562b1elcd30012580baa7d33b5b0ffdb5fde2462cc71/setuptools-45.2.0-py3-none-any.whl (584kB)
    |#####| 593kB 210kB/s
Collecting wheel
  Downloading https://files.pythonhosted.org/packages/8c/23/848298cccf8e40f5bbb59009b32848a4c38f4e7f3364297ab3c3e2e2cd14/wheel-0.34.2-py2.py3-none-any.whl
Installing collected packages: pip, setuptools, wheel
Successfully installed pip-20.0.2 setuptools-45.2.0 wheel-0.34.2
root@axcf2152:~#
```

5. Copy so files and link.sh



6. Creat link

```
root@192.168.124.10
root@axcf2152:~# cd /usr/local/lib/
root@axcf2152:/usr/local/lib# ls -l
total 1328
-rw-rw-r-- 1 root root 373524 Feb 11 02:06 libexslt.so.0.8.20
-rw-rw-r-- 1 root root 977660 Feb 11 02:06 libexslt.so.1.1.34
-rw-rw-r-- 1 root root 152 Feb 11 02:34 link.sh
root@axcf2152:/usr/local/lib# chmod +x link.sh
root@axcf2152:/usr/local/lib# ls
libexslt.so.0.8.20 libexslt.so.1.1.34 link.sh
root@axcf2152:/usr/local/lib#
```

```
root@axcf2152:/usr/local/lib# chmod +x link.sh
```

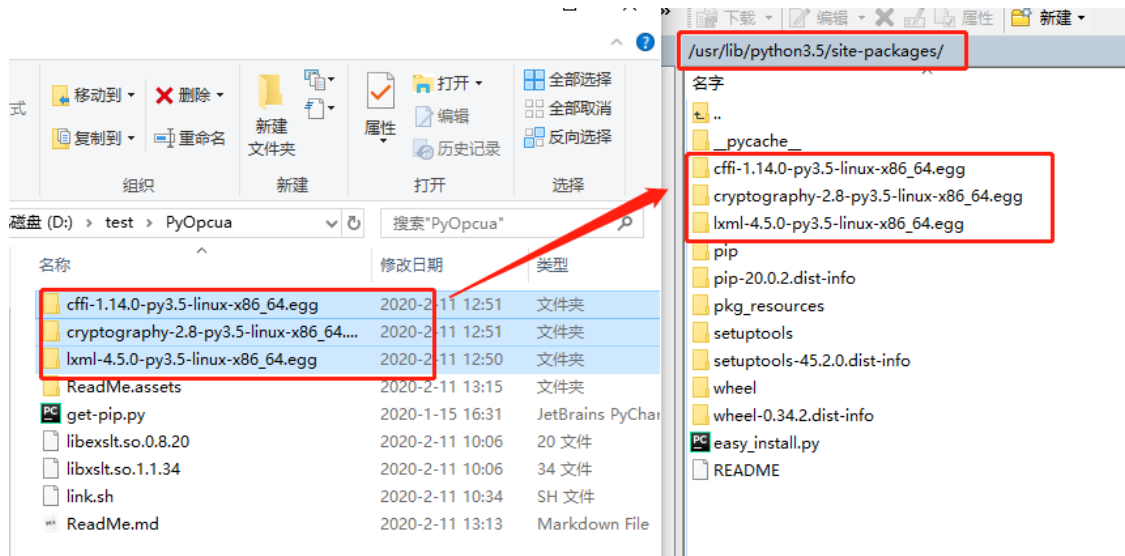
```
root@axcf2152:/usr/local/lib# ./link.sh
root@axcf2152:/usr/local/lib# ls -l
total 1328
lrwxrwxrwx 1 root root 18 Feb 11 13:13 libexslt.so -> libexslt.so.0.8.20
lrwxrwxrwx 1 root root 18 Feb 11 13:13 libexslt.so.0 -> libexslt.so.0.8.20
-rw-rw-r-- 1 root root 373524 Feb 11 02:06 libexslt.so.0.8.20
lrwxrwxrwx 1 root root 17 Feb 11 13:13 libexslt.so -> libexslt.so.1.1.34
lrwxrwxrwx 1 root root 17 Feb 11 13:13 libexslt.so.1 -> libexslt.so.1.1.34
-rw-rw-r-- 1 root root 977660 Feb 11 02:06 libexslt.so.1.1.34
-rwxrwxr-x 1 root root 152 Feb 11 02:34 link.sh
root@axcf2152:/usr/local/lib#
```

./link.sh

```
root@axcf2152:/usr/local/lib# ldconfig
```

```
root@axcf2152:/usr/local/lib# ldconfig
```

## 7. Copy egg folders



## 8. Creat `easy-install.pth` file under the following path

```
root@axcf2152:/usr/local/lib# cd /usr/lib/python3.5/site-packages/  
root@axcf2152:/usr/lib/python3.5/site-packages# nano easy-install.pth
```

with:

```
root@192.168.124.10
```

```
GNU nano 3.0 easy-install.pth  
  
./cfri-1.14.0-py3.5-linux-x86_64.egg  
./cryptography-2.8-py3.5-linux-x86_64.egg  
./lxml-4.5.0-py3.5-linux-x86_64.egg
```

## 9. Install opcu

```
pip install opcu
```