

## 标准库telnetlib

In [7]: help(telnetlib.Telnet)

\_\_init\_\_(self, host=None, port=0, timeout=<object object>) #传入要连接的主机IP 端口 以及超时时间

常用方法:

read\_until() ##打印出带有匹配内容的结果

write() ##执行命令

close() #断开连接

demo1 Telnet 常用使用

```
#coding:utf8
```

```
import telnetlib
```

```
tn = telnetlib.Telnet('172.16.70.181') ##连接远程服务器 连接不成功时报  
socket.error
```

```
tn.read_until("login:") ##找到匹配login的结果
```

```
tn.write("root\n") ##输入帐号
```

```
tn.read_until("Password:") ##找到匹配password的结果
```

```
tn.write("meizu.com\n") ##输入密码
```

```
tn.read_until("#") ##登录系统后
```

```
tn.write("ls -la /opt \n") ##执行系统命令
```

```
print tn.read_until("#") ##返回结果
```

```
tn.close() ##断开连接
```

demo2.py 自己开发一个Telnet客户端连接远程服务器

```
#!/usr/bin/python
```

```
#coding:utf8
```

```
import telnetlib
```

```
import time
```

```
class telnetRemote:
```

```
    def __init__(self, host, username, password, pripwd, port=23, timeout=2):  
        self.conn = telnetRemote.__conn(host, username, password, pripwd, port,  
timeout)  
        self.timeout = timeout  
        self.host=host
```

```

@staticmethod
def __conn(host, username, password, pripwd, port, timeout):
    try:
        tn = telnetlib.Telnet(host, port=port, timeout=timeout)
        tn.expect(["Username:"], timeout)
        tn.write(username + '\n')
        tn.expect(["Password:"], timeout)
        tn.write(password + '\n')
        tn.expect([">"], timeout)
        tn.write("enable" + '\n')
        tn.expect(["Password:"], timeout)
        tn.write(pripwd + '\n')
        print tn.read_until('#', timeout), 111
    except Exception as e:
        print e
        return 0
    else:
        return tn

def executeCmd(self, cmd):
    if not self.conn:
        print '%s Connection Failed!!' %self.host
        exit(1)
    if cmd == "disconnect":
        self.close()

    self.conn.read_until("#", self.timeout)
    self.conn.write(cmd + '\n')

    while 1:
        res = self.conn.read_until("#", self.timeout).splitlines()
        res.pop(0)
        res = '\n'.join(res)
        if res.endswith("#"):
            print res
            break
        else:
            for i in range(20):
                self.conn.write(" ")

def close(self):

```

```

        print '%s Connection interrupt!!' %self.host
        exit()

def main():
    #host = raw_input("请输入你要连接的主机IP地址..\n")
    #username = raw_input("请输入连接帐号..\n")
    #password = raw_input("请输入连接密码..\n")
    #port = raw_input("请输入连接端口号(默认端口:23)..\n")
    host, username, password, pripwd, port = ('172.16.70.150', 'ccna',
'ccna','ccna', '23')
    if port.isdigit():
        port = int(port)
    elif not port:
        pass
    else:
        print '端口号输入错误..'
        exit()
    x = telnetRemote(host, username, password, pripwd, port)
    print '已进入特权模式, 请输入要执行的命令..\n'
    while 1:
        cmd = raw_input()
        if cmd == 'disconnect':
            x.close()
        while 1:
            x.executeCmd(cmd)
            break

if __name__ == '__main__':
    main()

```