Instalacion de Netmiko

Administrador: Símbolo del sistema
Requirement already satisfied: pyyaml>=5.3 in c:\users\foser\appdata\local\programs\python\python310\lib\site-packages (from netmiko) (6.0)
Requirement already satisfied: ntc-templates>=2.0.0 in c:\users\foser\appdata\local\programs\python\python310\lib\site-packages (from netmiko) (3.1.0)
Requirement already satisfied: scp>=0.13.3 in c:\users\foser\appdata\local\programs\python\python310\lib\site-packages (from netmiko) (0.14.4)
Requirement already satisfied: six in c:\users\foser\appdata\local\programs\python\python310\lib\site-packages (from textfsm==1.1.2->netmiko) (1.16.0)
Requirement already satisfied: future in c:\users\foser\appdata\local\programs\python\python310\lib\site-packages (from textfsm==1.1.2->netmiko) (0.18.2)
Requirement already satisfied: cryptography>=2.5 in c:\users\foser\appdata\local\programs\python\python310\lib\site-packages (from paramiko>=2.7.2->netmiko) (38.0.1)
Requirement already satisfied: bcrypt>=3.1.3 in c:\users\foser\appdata\local\programs\python\python310\lib\site-packages (from paramiko>=2.7.2->netmiko) (4.0.1)
Requirement already satisfied: pynacl>=1.0.1 in c:\users\foser\appdata\local\programs\python\python310\lib\site-packages (from paramiko>=2.7.2->netmiko) (1.5.0)
Requirement already satisfied: cffi>=1.12 in c:\users\foser\appdata\local\programs\python\python310\lib\site-packages (from cryptography>=2.5->paramiko>=2.7.2->netmiko) (1.15.1)
Requirement already satisfied: pycparser in c:\users\foser\appdata\local\programs\python\python310\lib\site-packages (from cffi>=1.12->cryptography>=2.5->paramiko>=2.7.2->netmiko) (2.21)

C:\WINDOWS\system32>_

Importar netmiko

```
#Nombre: Edgar Francisco Hernandez Mendez
from netmiko import ConnectHandler

sshCli = ConnectHandler(
        device_type = 'cisco_ios',
        host = '10.10.20.70',
        port = 2221,
        username = 'admin',
        password = 'admin'
    )

output = sshCli.send_command("sh ip int brief",read_timeout= 10)
print(output)

config_commands= [
    'int Loopback 1',
    'ipv4 address 192.168.8.1 255.255.255.0',
    'no sh'
    'description WHATEVER'
    ]
sshCli.send_command('configure terminal',read_timeout= 10)
sshCli.send_config_set(config_commands)
```

```python
import netmiko
from netmiko import ConnectHandler
sshCli = ConnectHandler(
        device_type='cisco_ios',
        host='10.10.20.70',
        port=2231,
        username='admin',
        password='admin'
        )
output = sshCli.send_command("show ip int brief", read_timeout = 10, expect_string = r"#")
print ("show ip int brief:\n{}\n".format(output))
#print(output)
```

```
======= RESTART: C:/Users/foser/OneDrive/Escritorio/Unidad 3 LABORATORIOS/ssh.py =======
show ip int brief:
RP/0/RP0/CPU0:r1#

RP/0/RP0/CPU0:r1#show ip int brief

Thu Nov 24 16:32:20.883 UTC


======= RESTART: C:/Users/foser/OneDrive/Escritorio/Unidad 3 LABORATORIOS/ssh.py =======
show ip int brief:
RP/0/RP0/CPU0:r2#terminal length 0

Thu Nov 24 16:32:45.903 UTC
```

SSH-2.0-OpenSSH_7.2p2 Ubuntu-4ubuntu2.8
Protocol mismatch.

```
============= RESTART: C:/Users/foser/OneDrive/Documentos/lab2.2.py ============

Wed Nov 30 02:50:57.423 UTC

Interface                    IP-Address       Status      Protocol Vrf-Name
Loopback1                    192.168.8.1      Up          Up       default
MgmtEth0/RP0/CPU0/0          192.168.122.21   Up          Up       default
GigabitEthernet0/0/0/0       unassigned       Shutdown    Down     default
GigabitEthernet0/0/0/1       unassigned       Shutdown    Down     default
GigabitEthernet0/0/0/2       unassigned       Shutdown    Down     default
GigabitEthernet0/0/0/3       unassigned       Shutdown    Down     default
GigabitEthernet0/0/0/4       unassigned       Shutdown    Down     default
```