router

import getpass

import telnetlib

from cupshelpers import Printer

HOST = "192.168.183.1"

user = input("Enter your username: ")

password = getpass.getpass()

tn = telnetlib.Telnet(HOST)

tn.read\_until(b"Username: ")

tn.write(user.encode('ascii') + b"\n")

if password:

tn.read\_until(b"Password: ")

tn.write(password.encode('ascii') + b"\n")

tn.write(b"enable\n")

tn.write(b"cisco123\n")

tn.write(b"conf t\n")

tn.write(b"int loopback 0\n")

tn.write(b"ip add 2.2.2.2 255.255.255.255\n")

tn.write(b"int loopback 1\n")

tn.write(b"ip add 4.4.4.4 255.255.255.255\n")

tn.write(b"router ospf 1\n")

tn.write(b"network 0.0.0.0 255.255.255.255 area 0\n")

tn.write(b"end\n")

tn.write(b"exit\n")

print(tn.read\_all().decode('ascii'))

switch

import getpass

import telnetlib

HOST = "192.168.183.5"

user = input("Enter your username: ")

password = getpass.getpass()

tn = telnetlib.Telnet(HOST)

tn.read\_until(b"Username: ")

tn.write(user.encode('ascii') + b"\n")

if password:

tn.read\_until(b"Password: ")

tn.write(password.encode('ascii') + b"\n")

# Get into config mode

tn.write(b"conf t\n")

# configure 4 VLANs with VLAN names

tn.write(b"vlan 2\n")

tn.write(b"name Data\_vlan\_2\n")

tn.write(b"vlan 3\n")

tn.write(b"name Data\_vlan\_3\n")

tn.write(b"vlan 4\n")

tn.write(b"name Voice\_vlan\_4\n")

tn.write(b"vlan 5\n")

tn.write(b"name Wireless\_vlan\_5\n")

tn.write(b"exit\n")

# configure e0/0 - e0/2 as access siwtchports and assign vlan 5 for wireless APs

tn.write(b"interface ethernet 1/0 \n")

tn.write(b"switchport mode access\n")

tn.write(b"switchport access vlan 5\n")

tn.write(b"no shut\n")

#configure e1/0 - e1/0 as access switchports and assign vlan 2 for data and vlan 4 for voice

tn.write(b"interface ethernet3/3 \n")

tn.write(b"switchport mode access \n")

tn.write(b"switchport access vlan 2\n")

tn.write(b"switchport voice vlan 4\n")

tn.write(b"no shut\n")

tn.write(b"end\n")

tn.write(b"exit\n")

print(tn.read\_all().decode('ascii'))