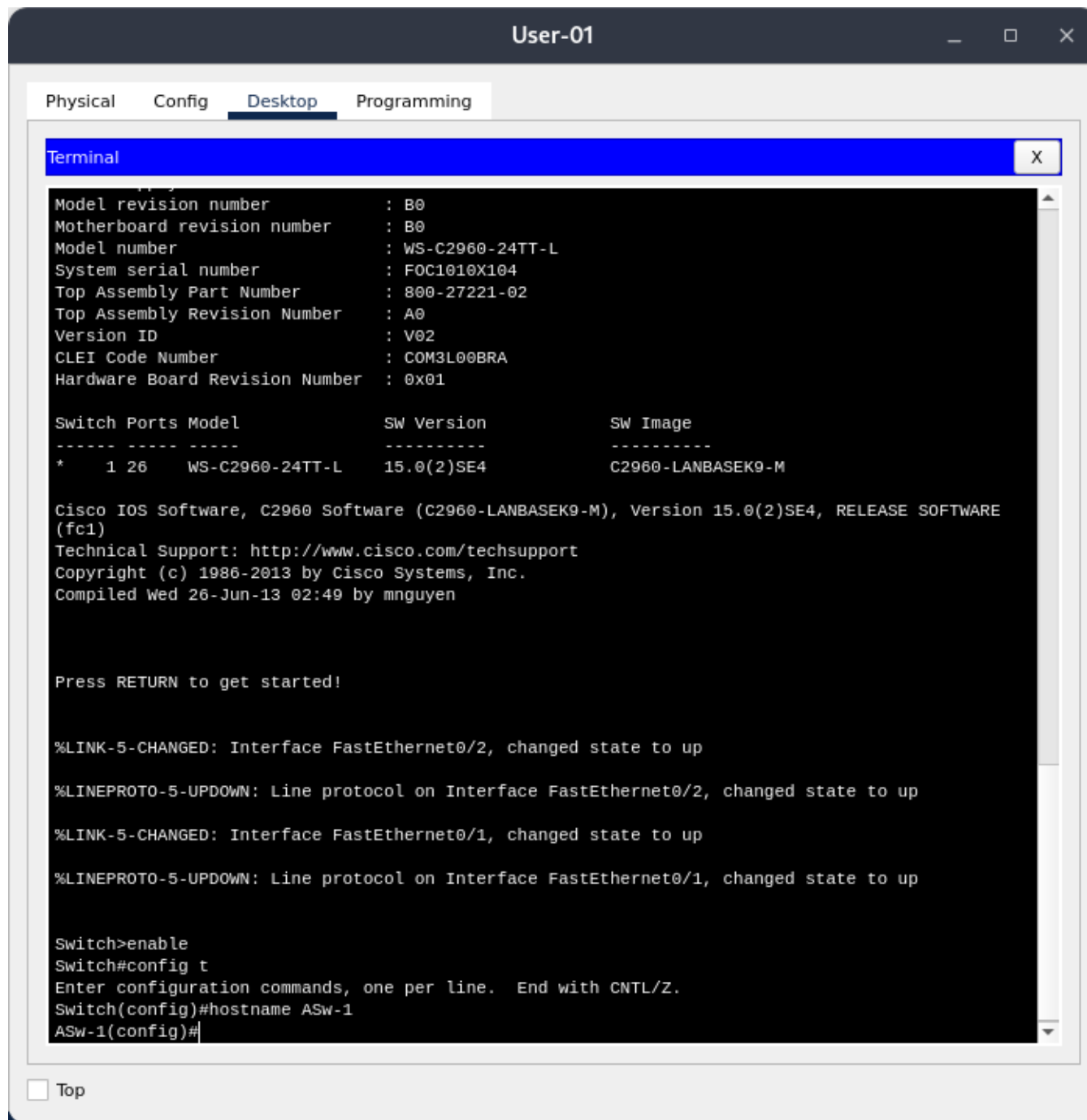


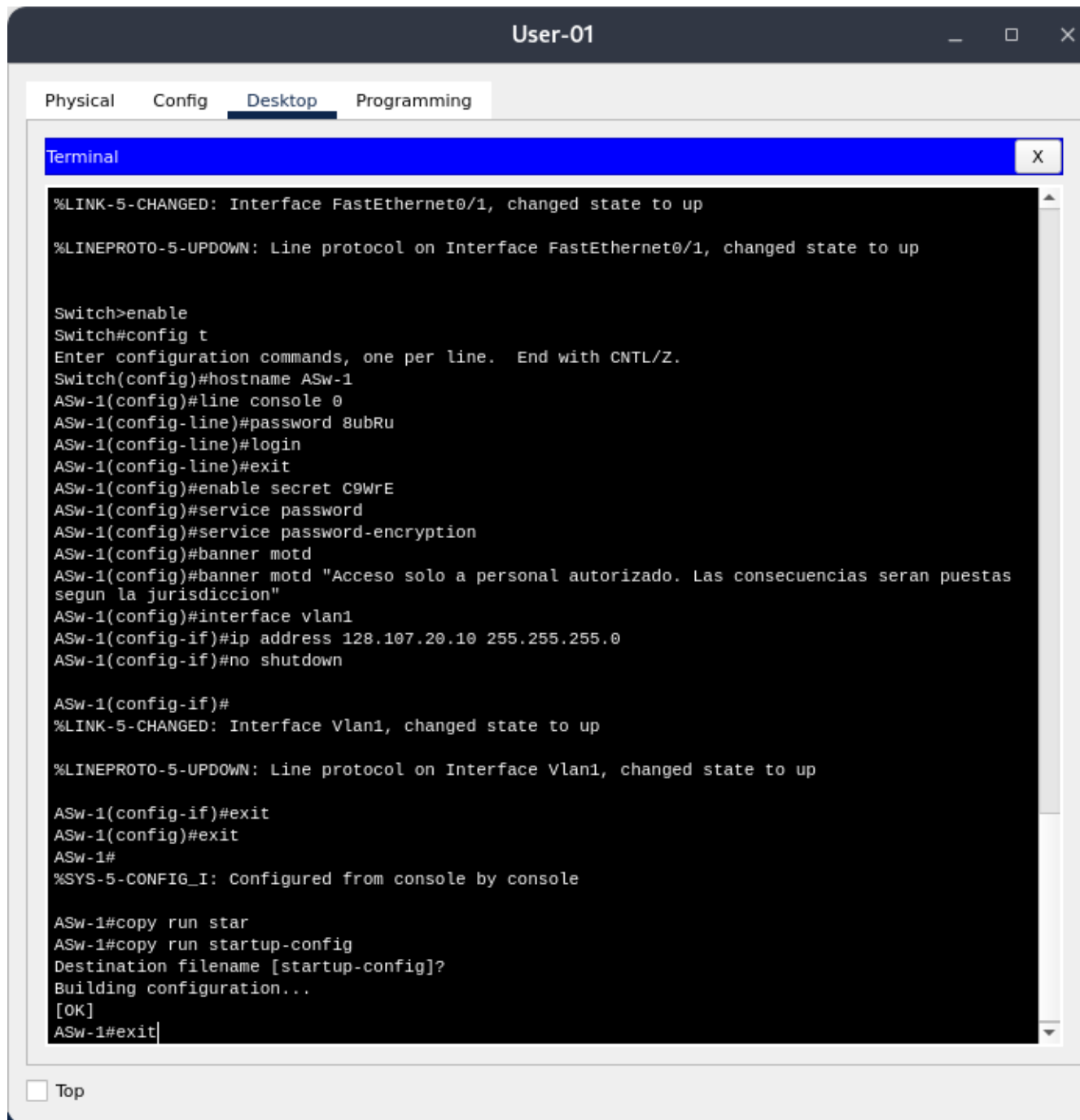
Modulo # 2 – Laboratorio # 7 : Configuracion de Switch y Dispositivos Finales.

➔ Configuracion del Switch 1.

1. Cambiaremos el nombre del Switch 1 a ASw-1.



2. Cambiaremos la contraseña a la propuesta y una contraseña secreta. Además de la configuración de Banner y conexiones. Por último guardar la configuración.



```
User-01
Physical Config Desktop Programming
Terminal
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Switch>enable
Switch#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname ASw-1
ASw-1(config)#line console 0
ASw-1(config-line)#password 8ubRu
ASw-1(config-line)#login
ASw-1(config-line)#exit
ASw-1(config)#enable secret C9WrE
ASw-1(config)#service password
ASw-1(config)#service password-encryption
ASw-1(config)#banner motd
ASw-1(config)#banner motd "Acceso solo a personal autorizado. Las consecuencias seran puestas
segun la jurisdiccion"
ASw-1(config)#interface vlan1
ASw-1(config-if)#ip address 128.107.20.10 255.255.255.0
ASw-1(config-if)#no shutdown

ASw-1(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up

ASw-1(config-if)#exit
ASw-1(config)#exit
ASw-1#
%SYS-5-CONFIG_I: Configured from console by console

ASw-1#copy run star
ASw-1#copy run startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
ASw-1#exit
```

☐ Top

→ Configuración del Switch 2.

1. Cambiaremos el nombre del Switch 2 a Asw-2.

The screenshot shows a terminal window titled "User-02" with tabs for Physical, Config, Desktop, and Programming. The Desktop tab is active, showing a terminal window with the following output:

```
Model revision number      : B0
Motherboard revision number : B0
Model number               : WS-C2960-24TT-L
System serial number       : FOC1010X104
Top Assembly Part Number   : 800-27221-02
Top Assembly Revision Number : A0
Version ID                 : V02
CLEI Code Number           : COM3L00BRA
Hardware Board Revision Number : 0x01

Switch Ports Model          SW Version        SW Image
-----
*  1 26  WS-C2960-24TT-L    15.0(2)SE4       C2960-LANBASEK9-M

Cisco IOS Software, C2960 Software (C2960-LANBASEK9-M), Version 15.0(2)SE4, RELEASE SOFTWARE (fc1)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2013 by Cisco Systems, Inc.
Compiled Wed 26-Jun-13 02:49 by mnguyen

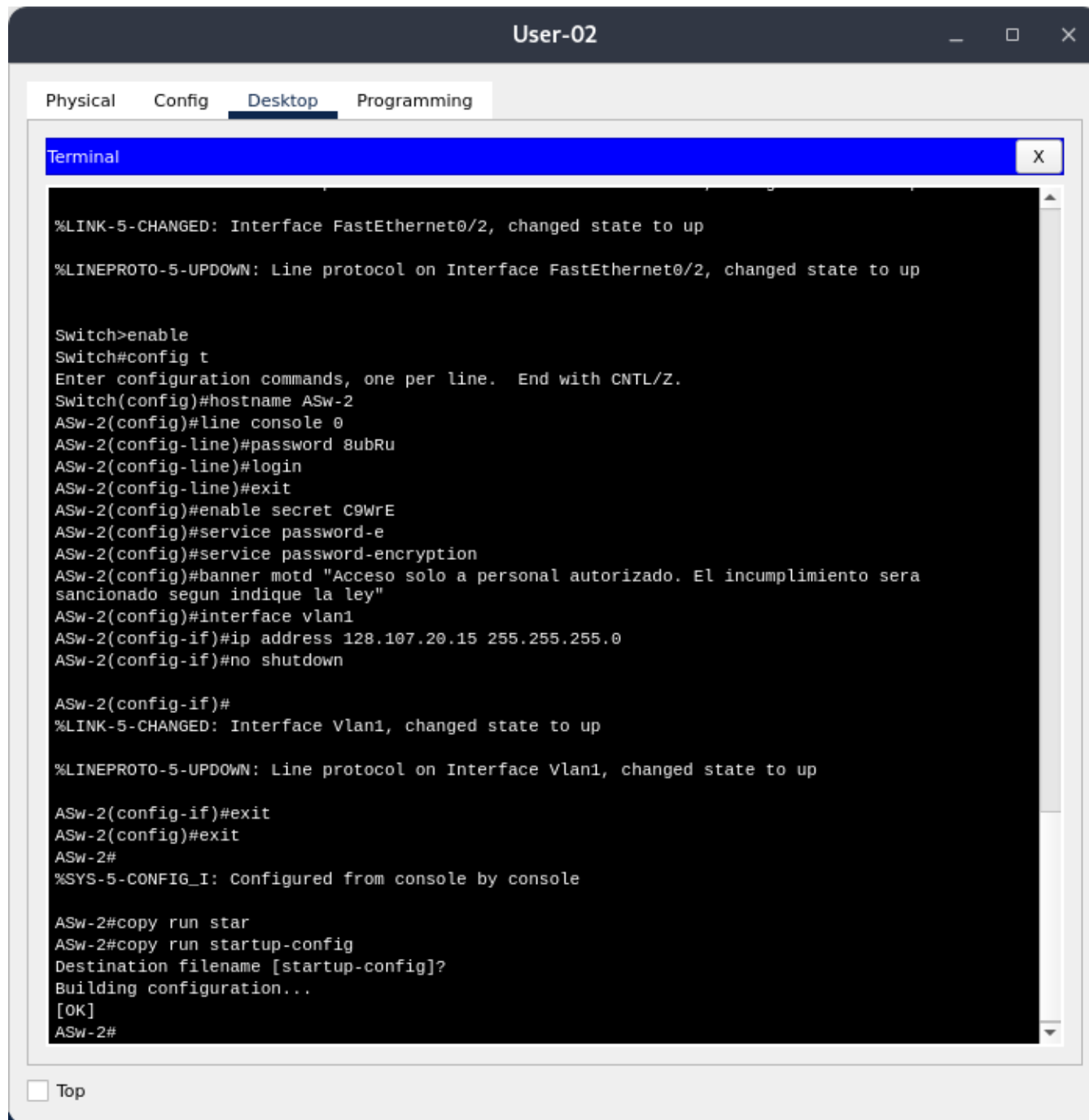
Press RETURN to get started!

%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up

Switch>enable
Switch#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname ASw-2
ASw-2(config)#
```

At the bottom left of the terminal window, there is a checkbox labeled "Top".

2. Cambiaremos la contraseña a la propuesta y una contraseña secreta. Además de las configuración de Banner y conexiones. Por último guardar la configuración.



```
User-02
Physical Config Desktop Programming
Terminal
%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up

Switch>enable
Switch#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname ASw-2
ASw-2(config)#line console 0
ASw-2(config-line)#password 8ubRu
ASw-2(config-line)#login
ASw-2(config-line)#exit
ASw-2(config)#enable secret C9WrE
ASw-2(config)#service password-e
ASw-2(config)#service password-encryption
ASw-2(config)#banner motd "Acceso solo a personal autorizado. El incumplimiento sera sancionado segun indique la ley"
ASw-2(config)#interface vlan1
ASw-2(config-if)#ip address 128.107.20.15 255.255.255.0
ASw-2(config-if)#no shutdown

ASw-2(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up

ASw-2(config-if)#exit
ASw-2(config)#exit
ASw-2#
%SYS-5-CONFIG_I: Configured from console by console

ASw-2#copy run star
ASw-2#copy run startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
ASw-2#
```

☐ Top

➔ Configuración del PC1.

1. Configuraremos la dirección IP de la PC1.

User-01

Physical

Config

Desktop

Programming

IP Configuration

X

InterfaceFastEthernet0

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

128.107.20.25

Subnet Mask

255.255.0.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

/

Link Local Address

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication

MD5

Username

Password

☐ Top

➔ Configuración del PC2.

User-02

Physical

Config

Desktop

Programming

IP Configuration

X

Interface

FastEthernet0

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

128.107.20.30

Subnet Mask

255.255.0.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

/

Link Local Address

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication

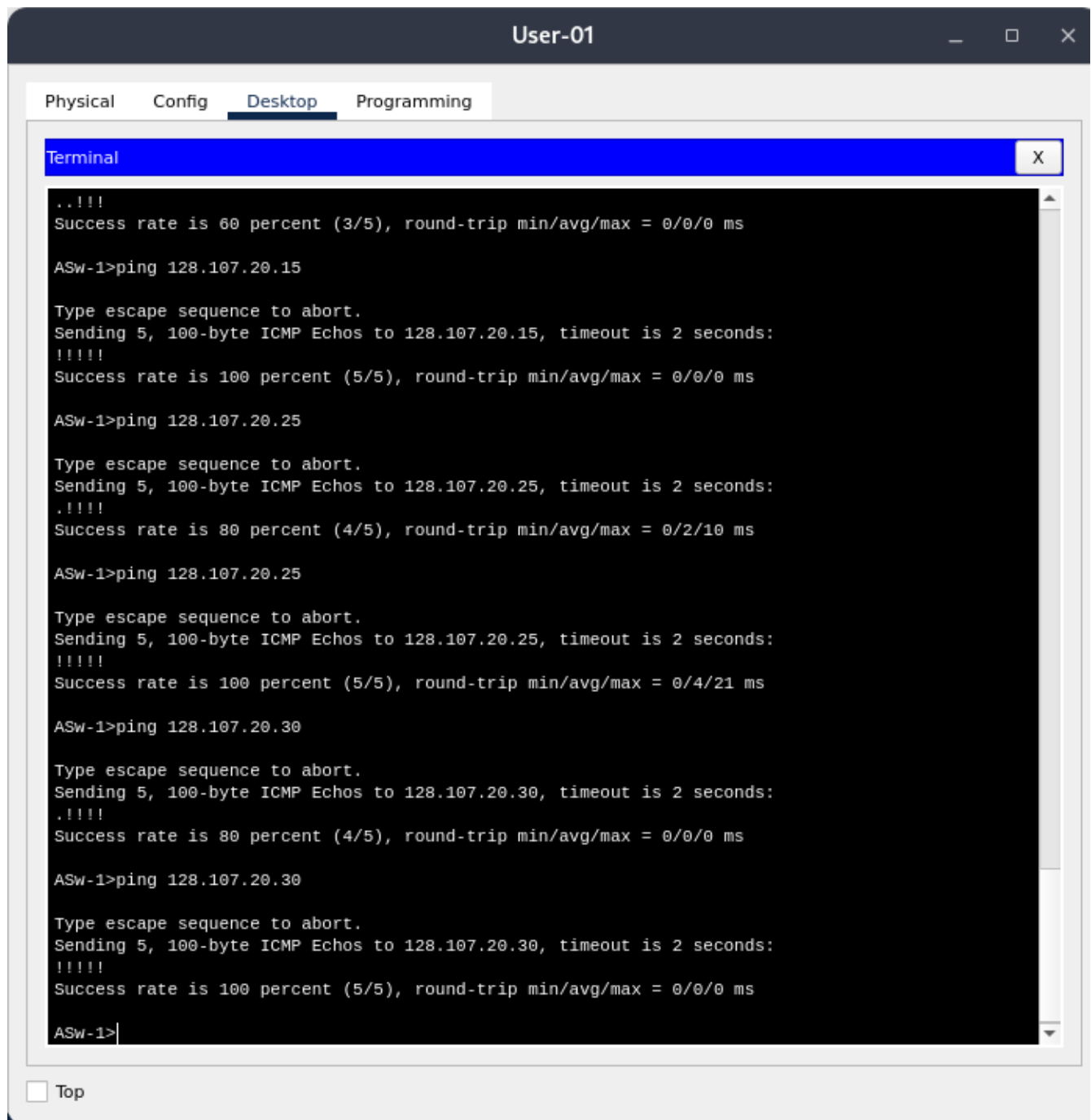
MD5

Username

Password

☐ Top

➔ Ahora haremos ping desde el Asw-1.

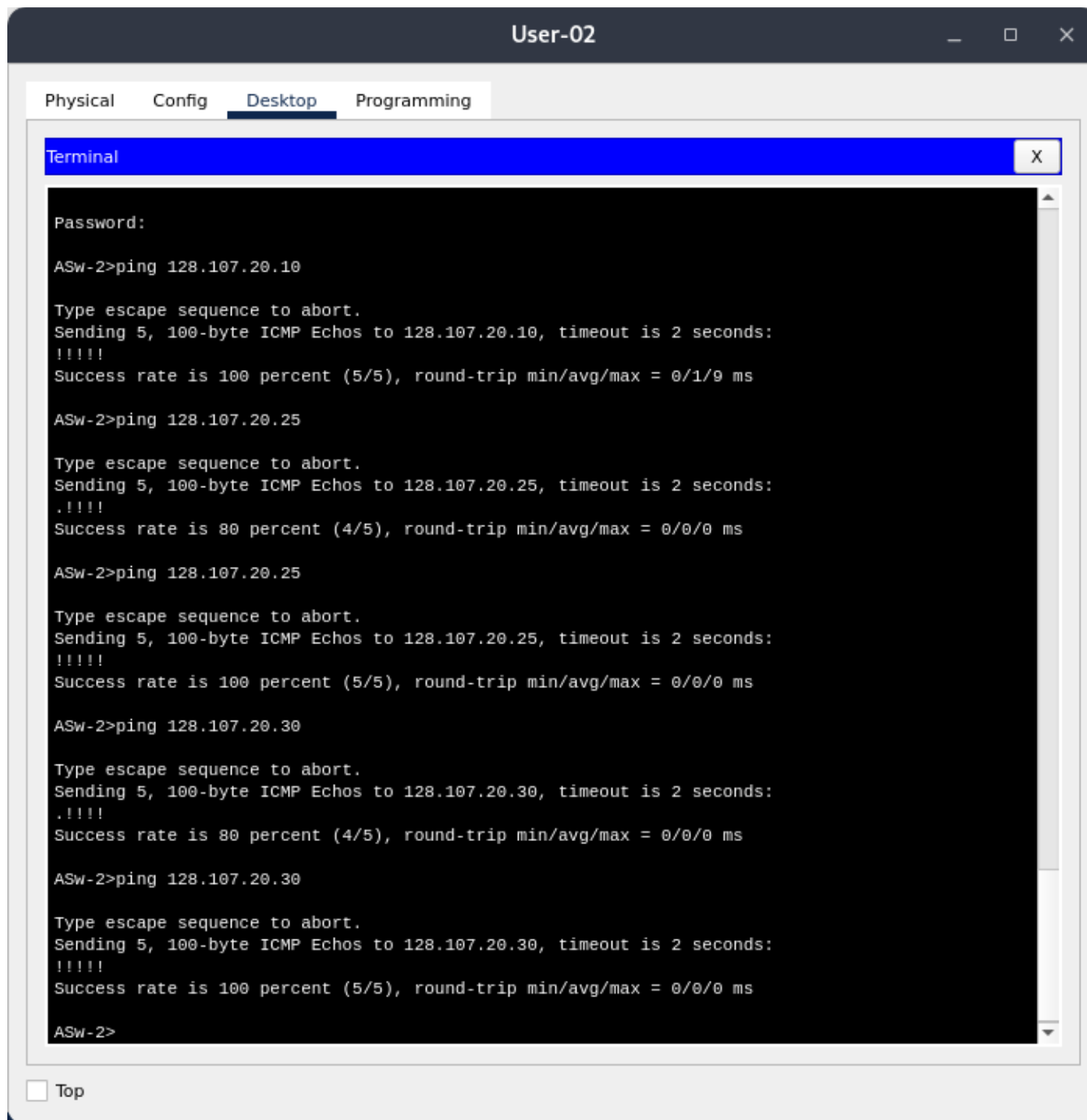


The screenshot shows a terminal window titled "User-01" with tabs for "Physical", "Config", "Desktop", and "Programming". The "Desktop" tab is active, and a "Terminal" window is open. The terminal displays the following text:

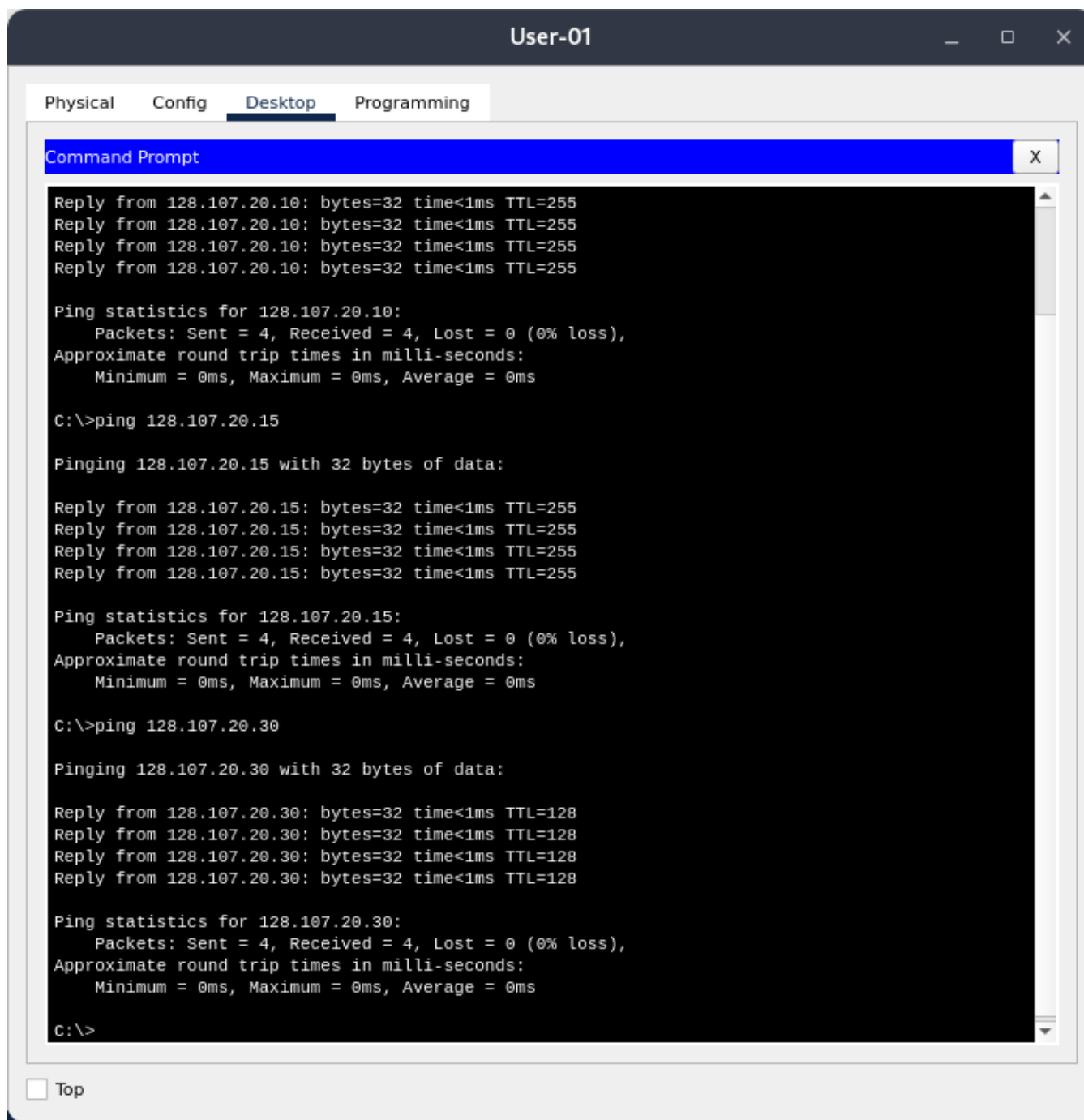
```
..!!!  
Success rate is 60 percent (3/5), round-trip min/avg/max = 0/0/0 ms  
  
ASw-1>ping 128.107.20.15  
  
Type escape sequence to abort.  
Sending 5, 100-byte ICMP Echos to 128.107.20.15, timeout is 2 seconds:  
!!!!!  
Success rate is 100 percent (5/5), round-trip min/avg/max = 0/0/0 ms  
  
ASw-1>ping 128.107.20.25  
  
Type escape sequence to abort.  
Sending 5, 100-byte ICMP Echos to 128.107.20.25, timeout is 2 seconds:  
.!!!!  
Success rate is 80 percent (4/5), round-trip min/avg/max = 0/2/10 ms  
  
ASw-1>ping 128.107.20.25  
  
Type escape sequence to abort.  
Sending 5, 100-byte ICMP Echos to 128.107.20.25, timeout is 2 seconds:  
!!!!!  
Success rate is 100 percent (5/5), round-trip min/avg/max = 0/4/21 ms  
  
ASw-1>ping 128.107.20.30  
  
Type escape sequence to abort.  
Sending 5, 100-byte ICMP Echos to 128.107.20.30, timeout is 2 seconds:  
.!!!!  
Success rate is 80 percent (4/5), round-trip min/avg/max = 0/0/0 ms  
  
ASw-1>ping 128.107.20.30  
  
Type escape sequence to abort.  
Sending 5, 100-byte ICMP Echos to 128.107.20.30, timeout is 2 seconds:  
!!!!!  
Success rate is 100 percent (5/5), round-trip min/avg/max = 0/0/0 ms  
  
ASw-1>
```

At the bottom left of the terminal window, there is a checkbox labeled "Top".

➔ Ahora haremos ping desde el Asw-2.



➔ Ahora haremos ping desde la PC1.



➔ Ahora haremos ping desde la PC2.

Physical Config Desktop Programming

Command Prompt

```
Reply from 128.107.20.10: bytes=32 time<1ms TTL=255
Reply from 128.107.20.10: bytes=32 time<1ms TTL=255
Reply from 128.107.20.10: bytes=32 time<1ms TTL=255
Reply from 128.107.20.10: bytes=32 time<1ms TTL=255

Ping statistics for 128.107.20.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 128.107.20.15

Pinging 128.107.20.15 with 32 bytes of data:

Reply from 128.107.20.15: bytes=32 time<1ms TTL=255
Reply from 128.107.20.15: bytes=32 time<1ms TTL=255
Reply from 128.107.20.15: bytes=32 time<1ms TTL=255
Reply from 128.107.20.15: bytes=32 time<1ms TTL=255

Ping statistics for 128.107.20.15:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 128.107.20.25

Pinging 128.107.20.25 with 32 bytes of data:

Reply from 128.107.20.25: bytes=32 time<1ms TTL=128
Reply from 128.107.20.25: bytes=32 time<1ms TTL=128
Reply from 128.107.20.25: bytes=32 time<1ms TTL=128
Reply from 128.107.20.25: bytes=32 time<1ms TTL=128

Ping statistics for 128.107.20.25:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```