Laboratorio 16.5.1

Marco Ayala

Séptimo A

Resultado del Laboratorio

| Remote PC | NIC | 192.168.2.10 | 255.255.255.0 | |

Requirements

Note: To keep this activity brief and easy to manage, some security configuration settings have not been made. In other cases, security best practices have not been followed.

In this activity you will configure a router and a switch based on a list of requirements.

Instructions

Step 1: Document the Network

Complete the addressing table with the missing information.

Step 2: Router configuration requirements:

- Prevent IOS from attempting to resolve mistyped commands to domain names.

- Hostnames that match the values in the addressing table.

- Require that newly created passwords be at least 10 characters in length.

- A strong ten-character password for the console line. Use **@Cons1234!**

- Ensure that console and VTY sessions close after 7 minutes exactly.

Time Elapsed: 00:38:31   Completion: 100%

☐ Top   Check Results   Reset Activity   <   1/1   >

File   Edit   Options   View   Tools   Extensions   Help

Activity Results   Time Elapsed: 00:37:58

Congratulations Marco Ayala! You completed the activity.

Overall Feedback   Assessment Items   Connectivity Tests

[Expand/Collapse All]   [Show Incorrect Items]

Assessment Items	Status	Points	Component(s)	Feedback
Network				
RTR-A				
✔ Banner MOTD	Correct	2	Basic Device Co...	
Console Line				
✔ Password	Correct	2	Basic Device Co...	
✔ Terminal Line timed out	Correct	3	Enhance Sessio...	
DNS				
✔ IP Domain Name	Correct	2	SSH Configuration	
✔ IP Domain-Lookup	Correct	2	Basic Device Co...	
✔ Enable Secret	Correct	2	Basic Device Co...	
✔ Host Name	Correct	2	Basic Device Co...	
✔ IP Domain Name	Correct	2	SSH Configuration	
Login Options				
Blocking				
✔ Attempts	Correct	2	Enhance Sessio...	
✔ Duration	Correct	2	Enhance Sessio...	
✔ Enabled	Correct	3	Enhance Sessio...	
✔ Period	Correct	2	Enhance Sessio...	
Security		0	Other	
✔ Modulus Bits	Correct	4	SSH Configuration	
✔ Security Password Min-Length	Correct	4	Enhanced Pass...	
✔ Service Password Encryption	Correct	2	Enhanced Pass...	

Score   : 98/98
Item Count   : 52/52

Component	Items/Total	Score
Basic Device Configuration	5/5	10/10
Basic Switch Configuration	28/28	37/37
Enhance Session Security	6/6	15/15
Enhanced Password Security	2/2	6/6
SSH Configuration	11/11	30/30

[Close]

File   Edit   Options   View   Tools   Extensions   Help

Activity Results   Time Elapsed: 00:37:26

Congratulations Marco Ayala! You completed the activity.

Overall Feedback   Assessment Items   Connectivity Tests

Congratulations on completing this activity!

[Close]

File   Edit   Options   View   Tools   Extensions   Help

Logical   Physical   x: 1341, y: 108

RTR-A   SW-2

SW-1

PC   Laptop

Time: 00:38:30

PC

Desktop   Programming

Command Prompt   X

```
Pinging 192.168.1.254 with 32 bytes of data:

Reply from 192.168.1.254: bytes=32 time=1027ms TTL=255
Reply from 192.168.1.254: bytes=32 time=2163ms TTL=255
Reply from 192.168.1.254: bytes=32 time=1355ms TTL=255
Reply from 192.168.1.254: bytes=32 time=79ms TTL=255

Ping statistics for 192.168.1.254:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 79ms, Maximum = 2163ms, Average = 1156ms

C:\>ping 192.168.1.254

Pinging 192.168.1.254 with 32 bytes of data:

Reply from 192.168.1.254: bytes=32 time=1393ms TTL=255
Reply from 192.168.1.254: bytes=32 time=381ms TTL=255
Reply from 192.168.1.254: bytes=32 time=198ms TTL=255
Reply from 192.168.1.254: bytes=32 time=39ms TTL=255

Ping statistics for 192.168.1.254:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 39ms, Maximum = 1393ms, Average = 502ms

C:\>
```

☐ Top

Fire   Last S

Anexos

Tablas de direcciones

Device	Interface	Address	Mask	Gateway
RTR-A	G0/0/0	192.168.1.1	255.255.255.0	N/A
	G0/0/1	192.168.2.1	255.255.255.0	N/A
SW-1	SVI	192.168.1.254	255.255.255.0	192.168.1.1
PC	NIC	192.168.1.2	255.255.255.0	192.168.1.1
Laptop	NIC	192.168.1.10	255.255.255.0	192.168.1.1
Remote PC	NIC	192.168.2.10	255.255.255.0	192.168.2.1