ASSIGNMENT 1

James CFR Marquis

NSCC Institute of Technology

NETW1015/4387

Marie Dutka

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Contents

Packet Tracer Activity 1.0.5

The backup router has been added to the network shelf and configured using a USB Console connector to "PC_1"

Assessment Items	Status	Points	Component(s)
⊟ Network			
⊟ Backup_Router			
✔ Host Name	Correct	1	Other
✔ Physical Location	Correct	1	Physical
✔ Power	Correct	1	Physical
⊟ USB Console		0	Other
✔ Port Up	Correct	1	Physical
⊟ Edge Router		0	Other
⊟ Console		0	Other
⊟ Link to PC_1		0	Other
✔ Connects to RS 232	Correct	1	Physical
⊟ PC_1		0	Other
⊟ Ports		0	Other
⊟ FastEthernet0		0	Other
⊟ Link to ALS2		0	Other
✔ Type	Correct	1	Physical

Packet Tracer Activity 2.5.5

Both network switches have been configured using the CLI with the required security checks

Assessment Items	Status	Points	Component(s)
⊟ Network			
⊟ S1			
✔ Banner MOTD	Correct	6	Basic Security Co...
⊟ Console Line			
✔ Login	Correct	4	Basic Security Co...
✔ Password	Correct	4	Basic Security Co...
✔ Enable Password	Correct	4	Basic Security Co...
✔ Enable Secret	Correct	4	Basic Security Co...
✔ Host Name	Correct	5	Hostname Config...
✔ Service Password Encryption	Correct	4	Basic Security Co...
✔ Startup Config	Correct	5	Configuration Man...
⊟ S2			
✔ Banner MOTD	Correct	6	Basic Security Co...
⊟ Console Line			
✔ Login	Correct	4	Basic Security Co...
✔ Password	Correct	4	Basic Security Co...
✔ Enable Password	Correct	4	Basic Security Co...
✔ Enable Secret	Correct	4	Basic Security Co...
✔ Host Name	Correct	5	Hostname Config...
✔ Service Password Encryption	Correct	4	Basic Security Co...
✔ Startup Config	Correct	5	Configuration Man...

IPConfig questions

What is your IPV4 address in dotted decimal notation and binary notation?

192.168.2.65 in dotted decimal.

11000000.10101000.00000010.01000001 in binary.

What is your physical (MAC) address in Hexadecimal and binary notation?

d8:80:83:81:70:5f in Hexadecimal.

11011000.10000000.10000011.10000001.01110000.01011111 in binary.

How many bits are in your IP address and physical (MAC) address?

Thirty-two bits in the IP address.

Fourty-eight bits in the MAC address.

What is your subnet mask in dotted decimal and binary notation?

255.255.255.0 in dotted decimal.

11111111.11111111.11111111.00000000 in binary.

What is your network address?

192.168 is my network address(?)

Is your default gateway on the same network as your IP address?

Yes (192.168.2.1).

What is the address of one of your DNS servers?

142.166.166.166.

Sarah's First Computer

Sarah's New Computer has been configured manually as an end device for her internet service provider's network

Assessment Items	Status	Points	Component(s)
Network			
Sarah's New Computer			
✔ Default Gateway	Correct	1	Ip
✔ DNS Server IP	Correct	1	Ip
✔ Power	Correct	1	Physical

Securing a Wireless Router

Sarah's New Laptop has been configured to connect to her wireless access point through WPA2-PSK Authentication

Assessment Items	Status	Points	Component(
⊟ Network			
⊟ ISP Router			
⊟ Wireless			
⊟ Security Mode			
✔ Authen Type	Correct	1	Other
✔ Encryption Type	Correct	1	Other
✔ Pass Phrase	Correct	1	Other
✔ SSID	Correct	1	Other
✔ SSID BroadCast	Correct	1	Other
⊟ Sarah's New Laptop			
⊟ Ports		0	Other
Wireless0		0	Other
✔ Power	Correct	1	Physical
⊟ Wireless			
⊟ Security Mode			
✔ Authen Type	Correct	1	Other
✔ Encryption Type	Correct	1	Other
✔ Pass Phrase	Correct	1	Other
✔ SSID	Correct	1	Other