Bahria University,

Karachi Campus



LAB EXPERIMENT NO.

\_\_\_04\_\_\_

LIST OF TASKS

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| TASK NO | OBJECTIVE |
| 01 | * On Cisco switches, where is the running configuration loaded from? * What does the flash memory on a switches store? * When you are logged into a switch, which prompt indicatesthat you are in privileged mode? * On which modes in Cisco's IOS you can issue show commands? |
| 02 | Create two users Admin\_'yourfirstname' and Admin\_'yourlastname' grant all privileges to them then login by using Admin\_'yourfirstname' then remove (Admin\_'yourlastname'). Clearly show command for every step |
| 03 | Show the encrypted console password, Privilege mode passwords and all user’s passwords. |
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Submitted On

18-10-2023

(Date: DD/MM/YY)

**Task 01:** On Cisco switches, where is the running configuration loaded from?

* What does the flash memory on a switches store?
* When you are logged into a switch, which prompt indicates that you are in privileged mode?
* On which modes in Cisco's IOS you can issue show commands?

**Solution:**

* **On Cisco switches, where is the running configuration loaded from?**

On Cisco switches, the running configuration is loaded from the device's RAM (Random Access Memory). The running configuration represents the current configuration of the switch and is stored in RAM for real-time operations.

* **What does the flash memory on a switches store?**

The flash memory on a Cisco switch stores various system files, including the device's operating system (IOS image), configuration files, and other necessary files for device operation. The IOS image is essential for booting and running the switch.

* **When you are logged into a switch, which prompt indicates that you are in privileged mode?**

When you are logged into a switch, the prompt that indicates you are in privileged mode is typically the "enable" mode, which is represented by the switchname# prompt. In this mode, you have access to privileged commands and can make changes to the device's configuration.

* **On which modes in Cisco's IOS you can issue show commands?**

In Cisco's IOS (Internetwork Operating System), you can issue "show" commands in several modes, including:

* User EXEC mode: Represented by the switchname> prompt. In this mode, you can issue basic show commands to view information about the device's status.
* Privileged EXEC mode: Represented by the switchname# prompt. This mode allows you to issue a wider range of show commands, including those that provide more detailed information about the switch's configuration and operation.
* Global Configuration mode: Represented by the switchname(config)# prompt. In this mode, you can issue show commands specific to configuring various aspects of the device's operation.

**Task No. 2:** Create two users Admin\_'yourfirstname' and Admin\_'yourlastname' grant all privileges to them then login by using Admin\_'yourfirstname' then remove (Admin\_'yourlastname'). Clearly show command for every step.

**Solution:**

A screenshot of a computer

Description automatically generated

A black text on a white background

Description automatically generated

A screenshot of a computer

Description automatically generated

**Task No. 3:** Show the encrypted console password, Privilege mode passwords and all user’s passwords.

**Solution:**

A computer screen shot of a computer code

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Description automatically generated



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