

Subject: Computer Networks (01CT0503)

Aim: Configure the router to secure the port and Telnet from unauthorized users. Analyze enable secret and password login commands in detail.

Experiment No: 04

Date: 30-07-2025

Enrolment No: 92301733054


Aim: Configure the router to secure the port and Telnet from unauthorized users. Analyze enable secret and password login commands in detail.

Step – 1 :- Open Cisco Packet tracer and take one PC and Router.

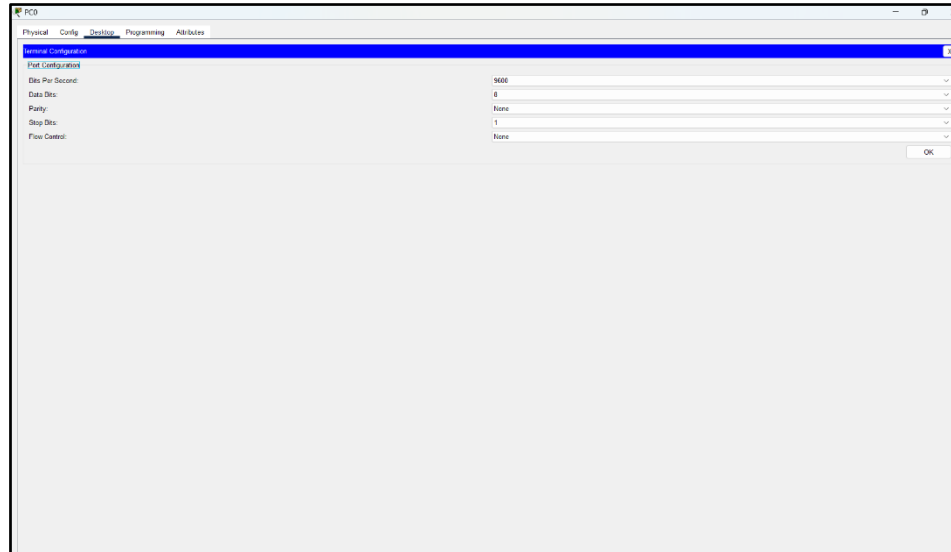


Step – 2 :- Connect a Console Cable between the console port of router and the RS232 port.

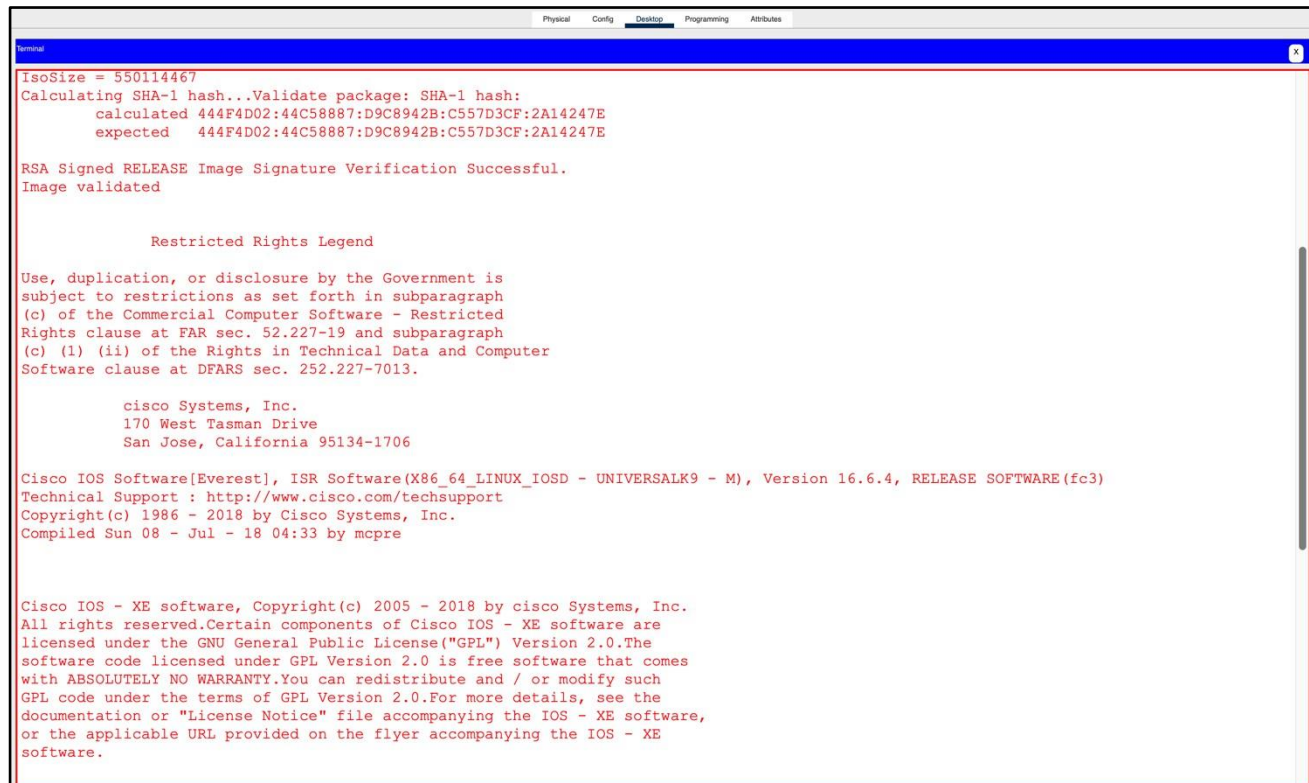


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Step – 5 :- Now Click on the terminal and you will get this kind of interface.



Step – 6 :- Now Hit OK and you will get this kind of interface.







Aim: Perform basic CLI commands to configure switch and router.

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Step – 9 :- Enter the command “enable” to enter into privilege mode.

```

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no


Press RETURN to get started!

Router>
Router>
Router>
Router>
Router>
Router>
Router>
Router>
Router>
Router>
Router>
Router>
Router>
Router>
Router>
Router>enable
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#

```

Step – 10 :- Enter the command “config t” to enter into configuration mode

[illegible]

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Step – 11 :- To return to user mode, type exit twice from global configuration. Then set the privileged mode password using the enable secret <password> command in config mode.

```

http://www.cisco.com/wwl/export/crypto/tool/stqrg.html

If you require further assistance please contact us by sending email to
export@cisco.com.

cisco ISR4331/K9 (1RU) processor with 1795999K/6147K bytes of memory.
Processor board ID FLM232010G0
3 Gigabit Ethernet interfaces
32768K bytes of non-volatile configuration memory.
4194304K bytes of physical memory.
3207167K bytes of flash memory at bootflash:.
0K bytes of WebUI ODM Files at webui:.

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>enable
Router#config terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#enable password 1234
Router(config)#
Router(config)#
Router(config)#
Router(config)#
Router(config)#
Router(config)#
Router(config)#
Router(config)#
Router(config)#
Router(config)#
Router(config)#

```

Step – 12 :- Type exit twice to return from global configuration mode to user mode. Then type enable to enter privileged mode — it will prompt for the password you set with enable secret.

```

Router#exit

Router con0 is now available

Press RETURN to get started.

Router>
Router>
Router>
Router>
Router>
Router>enable
Password:
Router#

```

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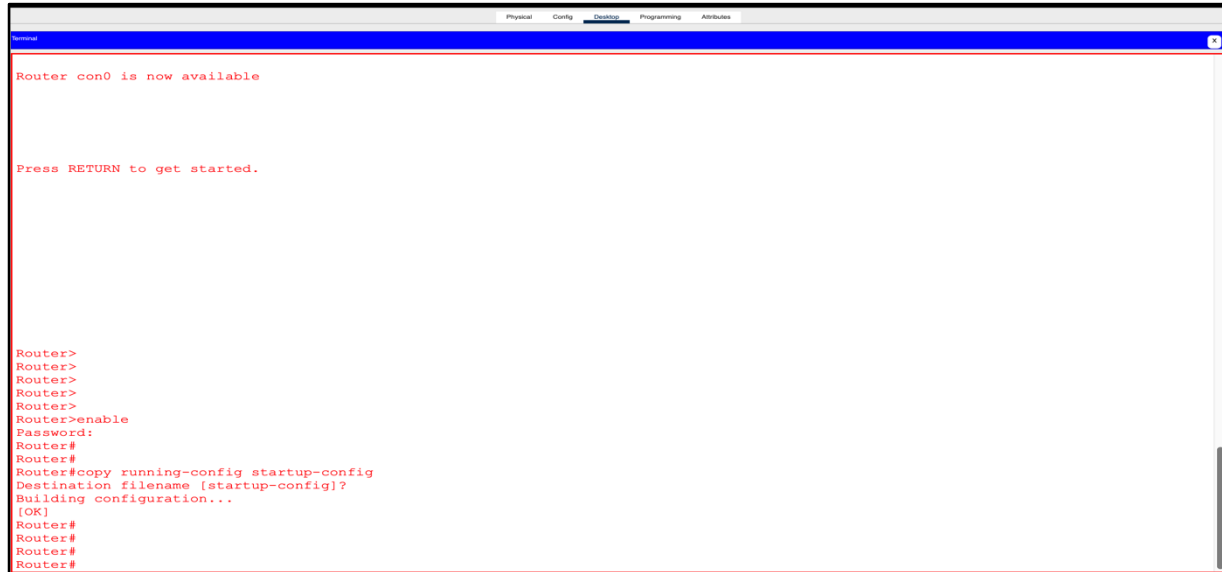
Aim: Perform basic CLI commands to configure switch and router.

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Step – 13 :- Use the command copy running-config startup-config to save the password and all configurations permanently.

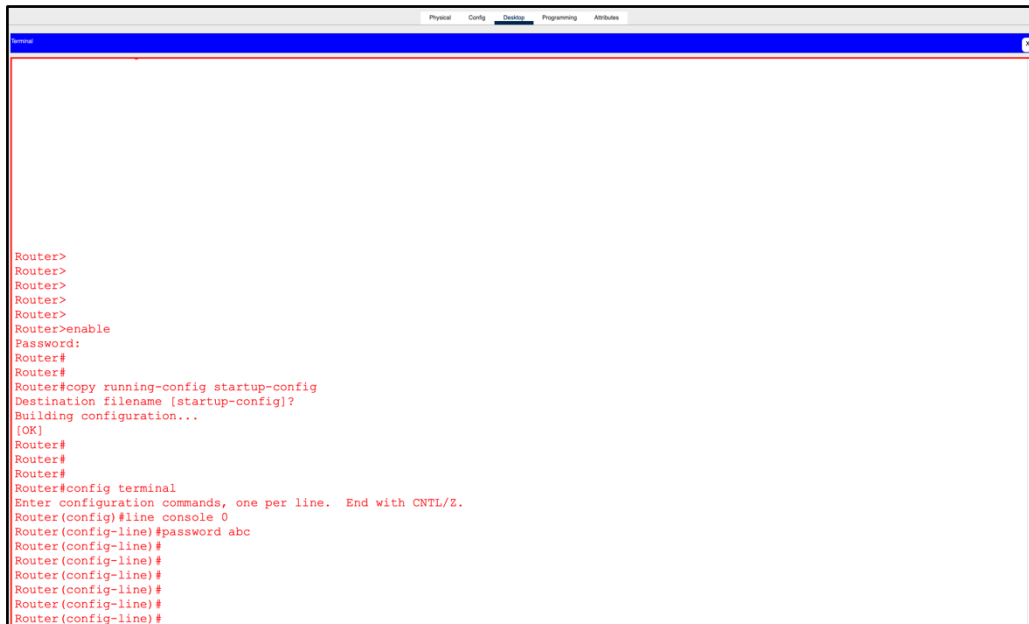


```
Router con0 is now available

Press RETURN to get started.

Router>
Router>
Router>
Router>
Router>enable
Router#
Router#
Router#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
Router#
Router#
Router#
Router#
```

Step – 14 :- To configure a login password for console access, enter global configuration mode, then use the command line console 0, followed by password <password> and login to enable password authentication.



```
Router con0 is now available

Press RETURN to get started.

Router>
Router>
Router>
Router>
Router>enable
Router#
Router#
Router#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
Router#
Router#
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#line console 0
Router(config-line)#password abc
Router(config-line)#
Router(config-line)#
Router(config-line)#
Router(config-line)#
Router(config-line)#
Router(config-line)#
```


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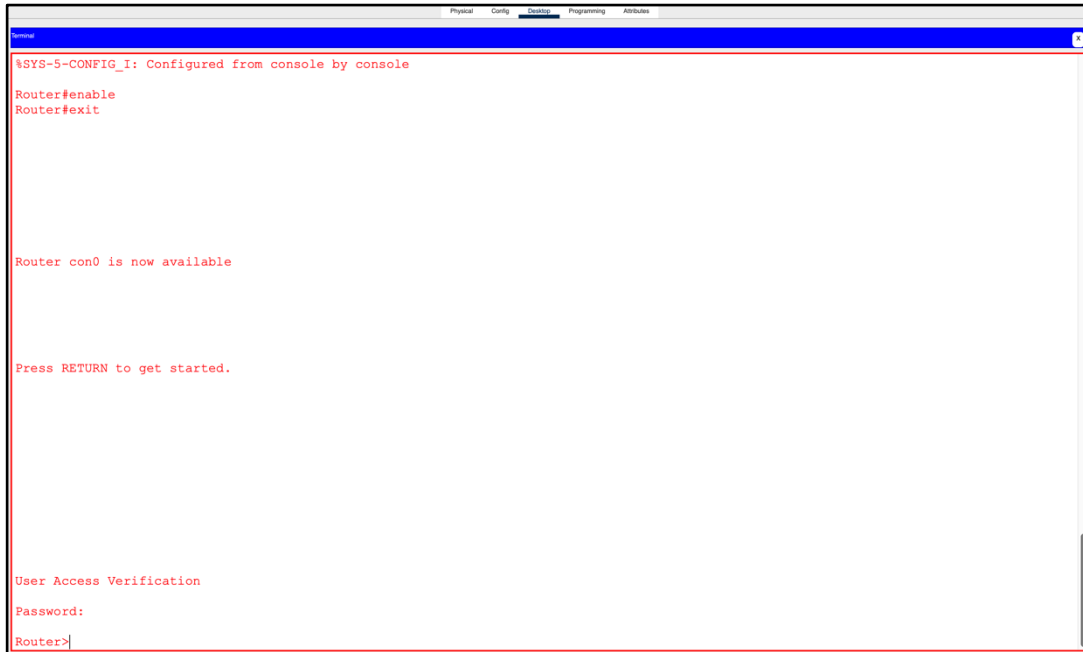
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the **Step – 14 :-** To return from configuration mode to user EXEC mode and apply the password, use exit command twice in CLI.



```

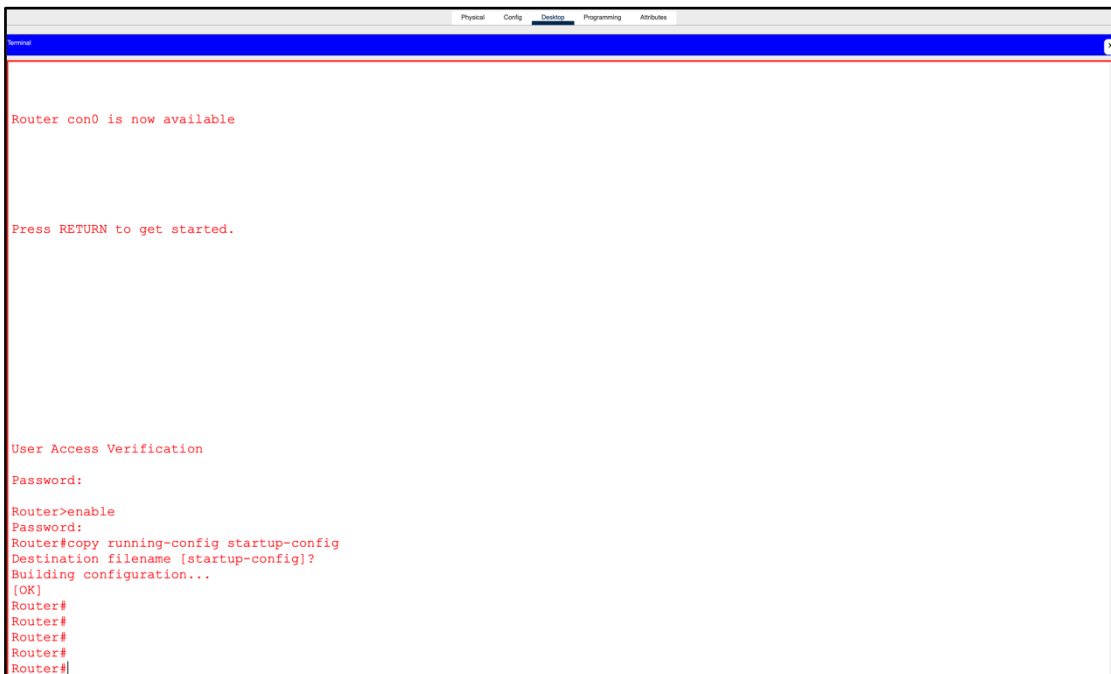
%SYS-5-CONFIG_I: Configured from console by console
Router#enable
Router#exit

Router con0 is now available

Press RETURN to get started.

User Access Verification
Password:
Router>
  
```

Step – 15 :- To save all current configurations, use the CLI command copy running-config startup-config to copy the running configuration to the startup configuration.



```

Router con0 is now available

Press RETURN to get started.

User Access Verification
Password:
Router>enable
Password:
Router#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
Router#
Router#
Router#
Router#
Router#
  
```

Conclusion: _____

