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10.1.4 — Configure Initial Router settings

Aim:-
→ To verify the default router configuration
→ Configure and verify the initial router configuration
→ Save the Running configuration File.

Apparatus :- A PC loaded with cisco packet Tracer.

Procedure :-

Part 1: Verify the Default Router configuration

step 1: Establish a console connection to R1

a) Choose a console cable from the available connections.
b) click PCA and select RS232
c) click R1 and select console
d) click PCA > Desktop tab > Terminal.
e) click OK and press ENTER. You are now able to configure R1

step 2: Enter privileged mode and examine the current configuration

a) Enter privileged EXEC mode by entering the enable command

    Router > enable
    Router#

b) Enter the show running-config command:

    Router # show running-config

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c) Display the current contents of NVRAM

   Router # shao startup - config
   startup - config is not present

Part 2: configure and verify the Initial Router configuration

step 1: Configure the initial switch settings on RI

a) configure RI as hostname

b) Configure message of the day rext;
   Unauthorized access is strictly prohibited

c) Encrypt all plain text passwords.
   Use the following passwords:
   1) Priviledged EXEC, unencrypted: cisco
   2) Privileged EXEC, encrypted: itsasecret
   3) Console: letmein

step 2:- Verify the initial settings on RI

a) verify the initial settings by viewing the configuration
   of RI
   show. running-config

b) Exit the current console session until you see the
   following message?
   RI cono is now available
   Press RETURN to get started.

c) Press ENTER; you should see the following message

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Unauthorized access is strictly prohibited.
User Access verification
Password:

d) Enter the passwords necessary to return to privileged EXEC mode.

Part 3: Save the Running Configuration File

Step 1: Save the configuration file to NVRAM

a) You have configured the initial settings for R1. Now back up the running configuration file to NVRAM to ensure that the changes made are not lost if the system is rebooted or loses power.

b) verify that all of the parameters configured configured are recorded. If not, analyze the output and determi which commands were not done or were entered incorrectly. You can also click Check Results in the instruction window.

Step 2: optimal bonus: Save the startup configuration file to flash

a) Examine the contents of flash using the show flash command:

    R1# show flash

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b) Save the startup configuration file to flash using the following commands:

R1# copy startup_config flash
Destination filename [startup-config]

Script code:-

enable
configure terminal
hostname R1
line console 0
password letmein
login
exit

enable password cisco
enable secret itsasecret
service password -encryption
banner motd $Unauthorized access is strictly prohibited.$
exit

copy running-config startup-config
copy startup-config flash:

Result :- Configured initial router settings.