CISCO NETWORKING ACADEMY PROGRAM

Lab 1.4.2 Introductory Lab 2 - Capturing HyperTerminal and Telnet Sessions

Objective

This activity describes how to capture HyperTerminal and Telnet sessions.

Note: Mastering these techniques will reduce the amount of typing in later labs and while working in the field. These techniques are useful when perusing and testing on a production router while troubleshooting a problem.

Step 1

Log in to a router using HyperTerminal.

It is possible to capture the results of the HyperTerminal session in a text file, which can be viewed and/or printed using Notepad, WordPad, or Microsoft Word.

Note: This feature captures future screens, not what is currently onscreen. Basically this is turning on a recording session.

To start a capture session, choose the menu option **Transfer** > **Capture Text**. The Capture Text dialog box appears, as shown in the following figure.
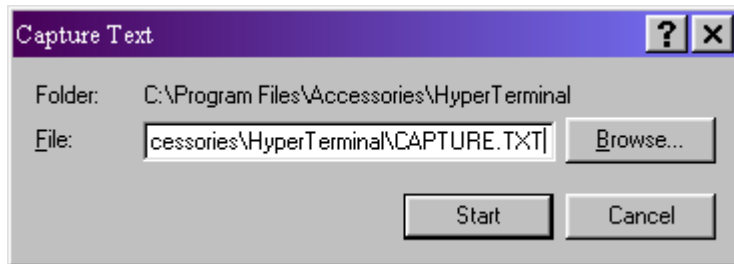
The default filename for a HyperTerminal capture is **CAPTURE.TXT**, and the default location of this file is C:\Program Files\Accessories\HyperTerminal.

Note: When using Telnet, the command to begin a capture or log, is **Terminal** > **Start Logging**. The document that was created has LOG as the extension. Other than the name and path of the capture file, the logging procedures are the same for both Telnet and HyperTerminal.

Make sure that the floppy disk is in the A: drive. When the Capture Text dialog box appears, change the File path to **A:\TestRun.txt**.

Click the **Start** button. Anything that appears onscreen after this point is copied to the file.

Step 2

Go to the User privileged configuration mode. Then issue the `show running config` command and view the entire configuration file.

From the **Transfer** menu, choose **Capture Text** > **Stop**.

Telnet users should select **Stop Logging** from the Terminal menu to end the session.

Step 3

Using the Start menu, launch Windows Explorer. Windows Explorer might be found under Programs or Accessories, depending on which version of Windows is used.

In the left pane, select the **3½ floppy (A:)** drive. On the right side, the file that was just created should be now seen.

Double-click the **TestRun.txt** document icon. The result should look something like the following:

```
Router# show running configuration
Building configuration...

Current configuration:
!
version 12.0
service timestamps debug uptime
service timestamps log uptime
no service password-encryption
!
hostname Router
!
enable secret 5 $1$HD2B$6iXb.h6QEJJjtn/NnwUHO.
!
!
ip subnet-zero
no ip domain-lookup
!
interface FastEthernet0/0
 --More-- ▯▯▯▯▯▯ ▯▯▯▯▯▯ no ip address
 no ip directed-broadcast
 shutdown
```

Unrecognizable characters may be seen near the word "More". This happened because the spacebar was pressed to see the rest of the list. Basic word processing techniques can be used to clean that up.

Suggestion

Consider capturing each router configuration for every lab that is done. Capture files can be useful as configuration features are reviewed and while preparing for certification exams.

Reflection

Could the capture techniques be useful if a member of the lab team misses a lab session? Can capture techniques be used to configure an off site lab?

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