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Lab: Introduction to Basic Commands

Objective: To be able to configure view some basic areas of the router.

Lab Equipment: We will be using "eRouter 1". To select "eRouter 1" click on the button labeled eRouter 1 at the top of the screen.

1. Get to the router prompt.

2. We wish to view the list of all available commands to us at this prompt. Enter the command that is used to view all the available commands.

3. Now enter Privilege mode. This is the mode that lets you have total control of the router.

4. View the available commands in Privilege mode.

5. We would like to configure the router. What command do we use to get into configuration mode?

6. The Router's *Host Name* is used for local identification. When you log into the router you see the *Host Name* in front of the prompt (either the > or the #). This can be used to identify the location or function of the router. Set your eRouter's hostname to "**Krang**". What command do you use to configure the hostname?

7. The `enable password` controls access to privilege mode. This is a VERY important password because in privilege mode you can make configuration changes. Set your enable password to "**boson**". What command will accomplish this.

8. Let's test this password. Exit out of the router and try to enter privilege mode. Notice what password got you into privilege mode. Now type: `conf term` and proceed with the lab instructions in the next step.

9. The only problem with the `enable password` is that it appears in plain text in the router's configuration file. If you need to show someone this file so that they can help you troubleshoot a problem you may inadvertently compromise the security of your systems by revealing the passwords. What command will create an encrypted password? Set the `enable secret password` to "**cisco**". What command did you use?

Krang(config)#enable secret cisco

10. You can now test this password by logging out of the router and then typing `enable`. The enable secret is an additional password over and above the enable password, in fact, it overrides the enable password. If you have set both passwords, the enable SECRET is the password you use to enter into privilege mode. The enable PASSWORD is still present but is now deactivated.

Extended Basic Commands Lab

1. Connect to eRouter 1 and view all the available commands. What command did you use to do this? ?
2. Now enter Privilege mode. What command did you use? enable
3. View all available commands for Privilege mode. What command did you use?
 ?
4. What command will get you into configuration mode? configure | config terminal
5. Now set the eRouter's hostname to "**Krang**". What command did you use to do this?
hostname Krang
6. Now we will set the privilege mode password to "**boson**". What command will do this?
enable password boson
7. Test the password by logging out of the router and then trying to enter enable mode.
8. Set the secret password to "**cisco**". What command did you use to do this? enable secret cisco
9. Logout of the router again and enter privilege mode. What password was required?
cisco

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