

First-Year Companion Guide 2<sup>nd</sup> Edition  
Chapter 5 (19)

Check Your Understanding

1. Which of the following is the correct order of steps in the Cisco router system startup routine?
  - A. Locate and load operating system, load bootstrap, test hardware, locate and load configuration file
  - B. Test hardware, load bootstrap, locate and load operating system, locate and load configuration file
  - C. Load bootstrap, locate and load configuration file, test hardware, locate and load operating system
  - D. Test hardware, load bootstrap, locate and load configuration file, locate and load operating system
  
2. Which of the following is an important function of the power-upself-test?
  - A. To determine the router hardware and software components and list them on the console terminal
  - B. To cause other instructions to be loaded into memory
  - C. To execute diagnostics that verify the basic operation of router hardware
  - D. To start routing processes, supply addresses for interfaces, and set up media characteristics
  
3. Which of the following is an important result of the Cisco IOS software loading onto a router)
  - A. Determining the router hardware and software components and listing them on the console terminal
  - B. Causing other instructions to be loaded into memory
  - C. Executing diagnostics that verify the basic operation of router hardware
  - D. Starting routing processes, supplying addresses for interfaces, and setting up media characteristics
  
4. Which of the following is an important result of the configuration file ' loading onto a router?
  - A. Determining the router hardware and software components and listing them on the console terminal
  - B. Causing other instructions to be loaded into memory
  - C. Executing diagnostics that verify the basic operation of router hardware
  - D. Start routing processes, supply addresses for interfaces, and set up media characteristics
  
5. If the router cannot find the configuration file after the operating system is loaded, what does the router do?
  - A. Enters setup mode
  - B. Looks for the file on another server
  - C. Loads the bootstrap
  - D. Waits for a reset
  
6. After the bootstrap program is loaded, the router tries to locate Cisco IOS from which of the following?
  - A. Flash memory
  - B. ROM
  - C. NVRAM
  - D. Both A and B
  
7. At what position can the operating system (Cisco IOS) be found?
  - A. It is disclosed in the boot field of the configuration register.
  - B. It is found only on the ROM.
  - C. It is accepted as input from the console.
  - D. It is found only on the TFTP server.

8. The configuration file saved in NVRAM is loaded into main memory and is executed one line at a time. The configuration commands from the file:
  - A. Start routing processes.
  - B. Supply addresses for interfaces.
  - C. Reset all the media characteristics.
  - D. Both A and B.
  
9. The command show running config
  - A. Displays the configuration file that is located in RAM
  - B. Displays the configuration files that are located in NVRAM
  - C. Displays the configuration of an interface on the router
  - D. Both A and B
  
10. The reload (reboot) command
  - A. Reloads the router, causing it to run through the entire startup process
  - B. Resets all the interfaces
  - C. Loads the configuration file once again
  - D. All of the above
  
11. The setup ...
  - A. Mode can be reached directly from the privileged EXEC prompt
  - B. Dialog is also called system configuration dialog
  - C. Command is the same as the write term command
  - D. Both A and B
  
12. The enable secret password:
  - A. Is a one-way encrypted password by Cisco proprietary encryption
  - B. May be same as the enable password
  - C. Is displayed in ASCII when the configuration file contents are listed
  - D. Both A and B
  
13. Which of the following parameters are configured when an interfaced is configured on a router?
  - A. Token Ring speed
  - B. IP address
  - C. Number of subnet bits
  - D. All of the above
  
14. The features that are set during the setup process:
  - A. Can be added to
  - B. Can be turned off
  - C. Can be displayed using some commands
  - D. All of the above
  
15. What is the function of the erase startup-config command?
  - A. It deletes the backup configuration file in NVRAM.
  - B. It deletes the bootstrap image from Flash memory.
  - C. It deletes the current Cisco IOS software from NVRAM.
  - D. It deletes the current running configuration from Flash memory.
  
16. What is the function of the reload command?
  - A. It loads a backup configuration file from a TFTP server.
  - B. It saves the new Cisco IOS software to Flash memory.
  - C. It reboots the router.
  - D. It loads the new configuration file in NVRAM.

17. When is router setup mode executed?  
A. After the saved configuration file is loaded into main memory  
B. When the network administrator needs to enter complex protocol features on the router  
C. When the router begins software initialization  
D. When the router cannot find a valid configuration file
18. Which of the following correctly describes a procedure for setup of router global and interface parameters on a router?  
A. A default parameter is shown in square brackets at every prompt.  
B. The router host name is required to be set.  
C. An enable secret password can be set but is not required.  
D. None of the above.
19. Why might you want to issue show startup-config and show running-config commands?  
A. It's time to update the Cisco IOS software, and you need to kill certain router processes before proceeding.  
B. You need to determine the time since the router booted and to determine the current register setting.  
C. The router suddenly isn't working right, and you want to compare the initial state to the present state.  
D. You need to find out where the Cisco IOS software booted from and which version is being used.
20. What file(s) would you find in NVRAM?  
A. Cisco IOS software and configuration files  
B. Configuration files  
C. A backup copy of Cisco IOS software  
D. A limited version of Cisco IOS software and registry files

#### Answers

1. B   2. C   3. A   4. D   5. A   6. D   7. A   8. D   9. A   10. D   11. D  
12. D   13. D   14. D   15. A   16. C   17. D   18. C   19. C   20. B