

Lesson Plan

Chapter 10 Routing and Addresses – Host Tables

Headline Host Table? What on earth is that?

In Advance

The instructor will collect information for sample IP addresses and host names for students to create host tables.

Review

- 10.2.1 The IP address command
- 10.2.2 The IP host command
- 10.2.3 Describe the IP name-server command
- 10.2.4 How to enable and disable DNS on a router

Materials

Computer Workstation
Router

Preparation for Learning

Target Indicators

10.2.1, 10.2.2, 10.2.3, 10.2.4

Vocabulary

Host Table
Routed Protocols
Routing Protocols

Focus Question

Why do routers require host tables to perform routing?

Delivery Of Instruction

Lecture

The ip host command makes a static name-to-address entry in the router's configuration file. I will start the class by explaining the purpose of a host table in a router. I will compare this to DNS to help the students gain a better understanding of the subject.

Key Graphics

Web based presentation on routing and addressing

Online

Lab/Activity

Address Lab:

- Ping each router using it's name. Is this possible?

- Since it's not possible without a defined host table. They will create one.
 - a. Configure terminal
 - b. ip host Lab_A 10.1.5.1
 - c. ip host Lab_B 10.1.6.1
 - d. ip host Lab_C 10.1.7.1
 - e. ip host Lab_D 10.1.8.1
 - f. exit

- Try once again to ping each router using it's name. Did it work?

Assessment

The students will complete a computer proctored exam regarding host tables, routing, and addressing.

Reflection

Each student will record what they've learning about host tables, routing, and address in the engineering journal.

Homework

Resources

Web Sites

<http://www.cisco.com/hosttables.htm>

Alternate Lesson Plan Ideas

Books