

CCNA Discovery

Working at a Small-to-Medium Business or ISP

Cisco Networking Academy®

Lab 7.3.1 Editing the HOSTS File in Windows

Objective

Edit the local HOSTS file on a Windows PC to map a name to an IP address for easier identification.

Background / Preparation

You are employed at an ISP. You have been sent to a customer location to troubleshoot an issue with one of the customer's servers. There is a user on the network who constantly needs to access the server to administer a development website that the company is working on. Currently, the customer does not have any local servers that perform the function of associating a name to the server's IP address. However, the website that the customer is working on requires the use of a name in the URL to access the site properly. Since this is the only workstation that needs to access the server based on a name, you decide to use the local HOSTS file on the Windows workstation to resolve the issue with name resolution. Your plan is to edit the local HOSTS file and add a name mapping for the web server. You will test the functionality of the name resolution using the **ping** command from the command prompt.

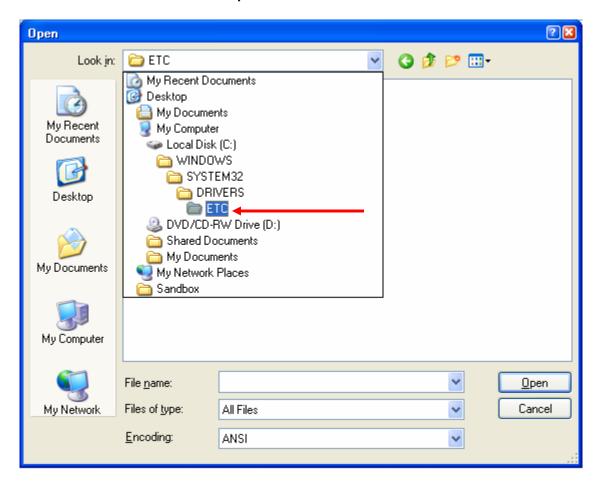
The following resources are required:

- PC running Windows XP
- Administrator privileges on the PC

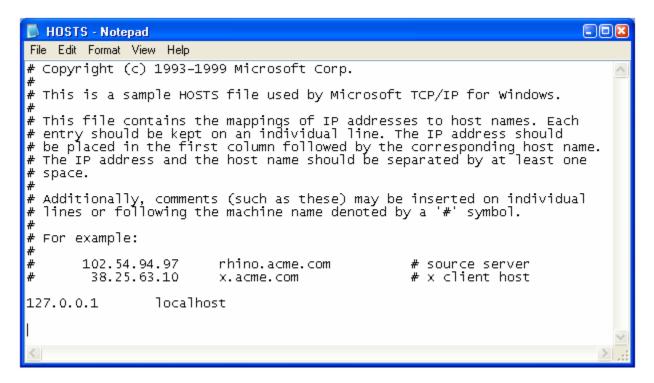
NOTE: The screen layout of your Windows-based operating system may be slightly different than what appears here, but the procedure is the same.

Step 1: Locate the HOSTS file in Windows

- a. Click the Start button and choose All Programs > Accessories, and then click the Notepad program.
- b. In Notepad, choose **File > Open**. Change the **Files of Type** to **All Files** to be able to see files other than text files. Navigate to C:\WINDOWS\SYSTEM32\DRIVERS\ETC.
- c. Select the **HOSTS** file and click **Open**.

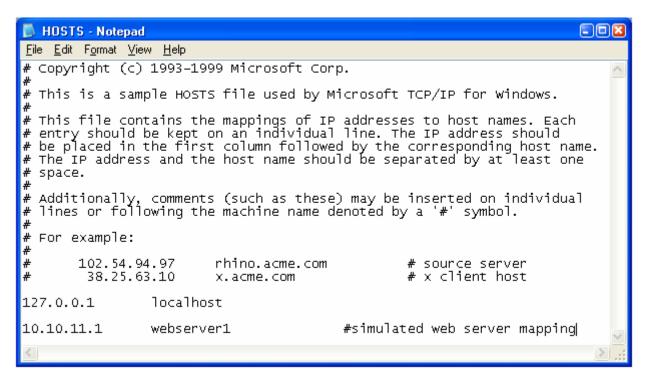


The **HOSTS** file opens in Notepad.



Step 2: Edit the HOSTS file

a. At the bottom of the **HOSTS** file, there is a list of hosts that have already been recorded. Add a new entry for the web server. Enter **10.10.11.1**, press the Tab key, and then enter **webserver1**. Press the Tab key again, and add a comment preceded by a # sign. The # sign is used to signify a comment.

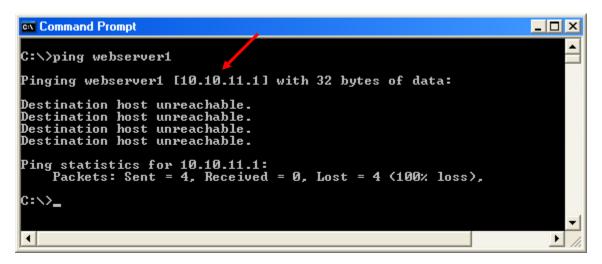


b. Save the updated **HOSTS** file.

Step 3: Test the new name mapping

- a. To open the command prompt, click the **Start** button and then click **Run**. In the **Run** dialog box, type **CMD** and then click **OK**. Alternately, you can choose **Start** > **All Programs** > **Accessories** > **Command Prompt** to open a command window.
- b. In the command prompt window, type **ping webserver1** and press the **Enter** key.

The name **webserver1** was resolved to **10.10.11.1** just before the subsequent echo requests were sent out. This indicates that the **HOSTS** file was modified correctly and is functioning correctly in the name resolution process on this workstation. Since this is a simulation and there is no real webserver1, the destination host is unreachable. If there were a webserver1 that could be reached from this host, it would most likely have replied to the ping.



Step 4: Reflection

a.	Which other files are	located in the \	ETC folder with	n the HOSTS file?

b. Which character is used to comment out description text in the HOSTS file?