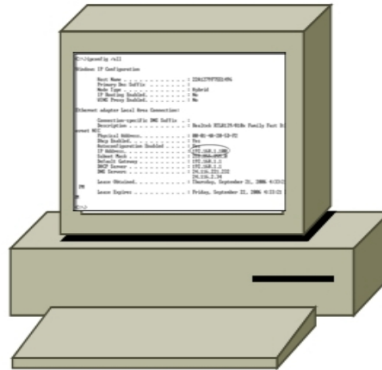


Lab 3.3.6 Determine the IP Address of a Computer



Objective

- Use the **ipconfig /all** command to determine the IP address of a Windows XP host on an Ethernet network.

Background / Preparation

Every computer connected to the Internet has a unique identifier, called an IP address. IP addresses are displayed as four numbers, known as octets, separated by periods (example: 192.168.1.4). The **ipconfig /all** command displays your computer's IP address and information about the network. The following resources are required:

- A workstation that is attached to the local network and that has its IP address already configured
- Access to the **Run** command

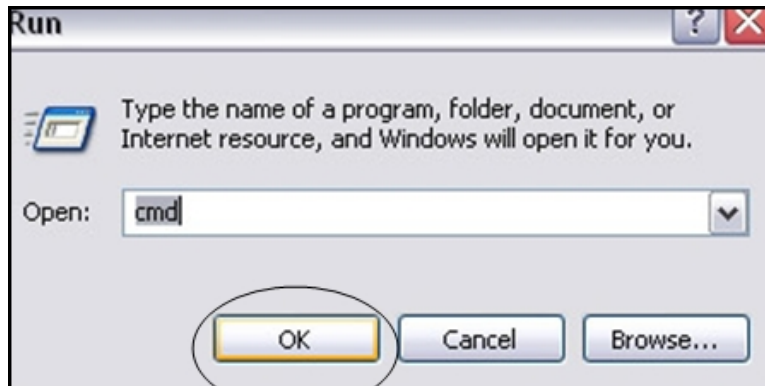
In this lab you will locate your computer's IP address to discover its unique number.

Step 1: Determine the IP address of the computer

- From the Windows XP desktop, click the **Start** button, and then click **Run**.



- b. In the Run dialog box, type **cmd** then click the **OK** button.



- c. At the command prompt, type **ipconfig /all** and press Enter.

```
C:\>ipconfig /all
```

- d. The **ipconfig /all** command then displays a list of information about your computer's IP configuration. An example is shown in the following figure. The information displayed for your computer will be different.

```
C:\>ipconfig /all

Windows IP Configuration

    Host Name . . . . . : 22A1279F7EE1496
    Primary Dns Suffix . . . . . :
    Node Type . . . . . : Hybrid
    IP Routing Enabled. . . . . : No
    WINS Proxy Enabled. . . . . : No

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix . . :
    Description . . . . . : Realtek RTL8139/810x Family Fast Et
Ethernet NIC
    Physical Address. . . . . : 00-01-4A-20-5D-F2
    Dhcp Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes
    IP Address. . . . . : 192.168.1.100
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1
    DHCP Server . . . . . : 192.168.1.1
    DNS Servers . . . . . : 24.116.221.232
                             24.116.2.34
    Lease Obtained. . . . . : Thursday, September 21, 2006 4:33:21
    Lease Expires . . . . . : Friday, September 22, 2006 4:33:21

PM
M
C:\>
```

- e. Locate the IP address and record the finding.
IP address _____
- f. Why is it important that a computer get an IP address? _____
