

Determining IP Addresses FAQ

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Questions

Introduction

How can I determine the IP address and mask on the router?

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Introduction

This document provides answers to frequently asked questions about how to determine IP addresses.

For more information on document conventions, refer to the Conventions Used in Cisco Technical Tips.

Q. How can I determine the IP address and mask on the router?

A. Look for the **IP address** command under the Ethernet interface in your configuration. Here is an example of how to find the IP address:

```
Router>enable
Password:
Router#show run
Building configuration...

Current configuration:
!
version 11.3
service timestamps debug uptime
.....

interface Ethernet0
ip address 172.17.3.192 255.255.0.0
```

Q. How can I determine the IP address of the TFTP server for Microsoft Windows 95?

A. Follow these steps:

1. Select **Start** from the toolbar and then select **Run**.
2. Issue the **winipcfg** command, and then click **OK** in order to display the IP configuration dialog box.

Q. How can I determine the IP address of the TFTP server for UNIX stations?

A. Follow these steps:

1. Issue the **netstat -in** command. The IP addresses of the interfaces on your station appear.
2. Select the IP address for the interface that goes into the router network.

Q. How can I determine whether the TFTP server and the router are in the same network?

A. You need to compare the IP address and mask of the TFTP server to the IP address and mask on the Ethernet interface of the router, as shown here:

Example 1:

```
TFTP server IP address: 172.17.247.195 mask 255.255.0.0
Interface Ethernet 0 of the router IP address: 172.17.3.192 mask 255.255.0.0
```

Example 2:

```
TFTP server IP address: 172.17.247.195 mask 255.255.0.0
Interface Ethernet 0 of the router IP address: 172.10.3.192 mask 255.255.0.0
```

In the first example, the TFTP server and the interface of the router are in the same network, so a default gateway is not required.

In the second example, the TFTP server and the interface of the router are in different IP networks, so you must configure a default gateway on the router. For details on how to do this, refer to Step 3 of the Cisco IOS Software Upgrade Procedure for Cisco 800 Series Routers.

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Related Information

- [Cisco IOS Software Upgrade Procedure for Cisco 800 Series Routers](#)
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