

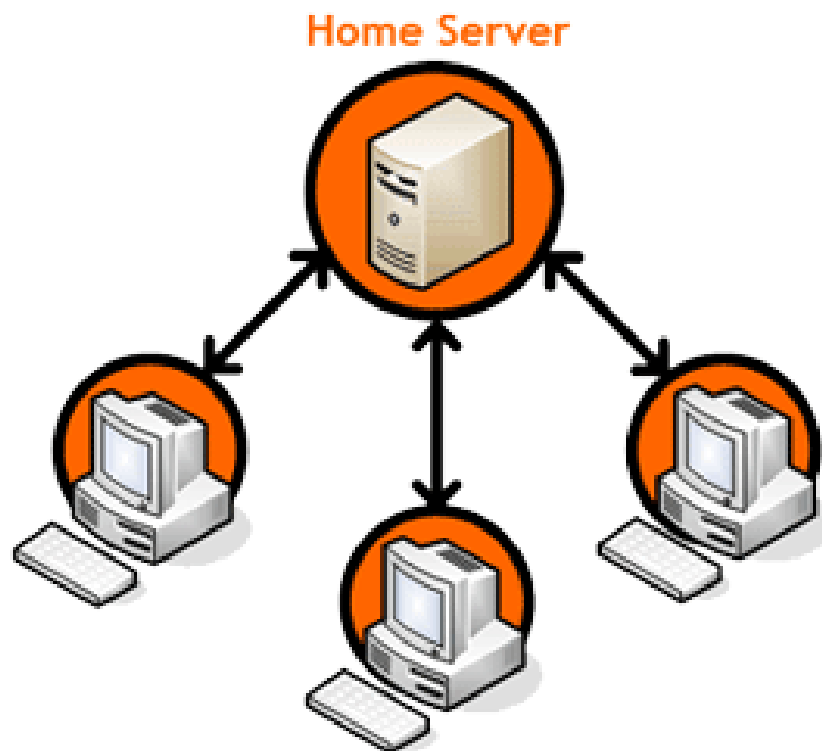
Set up the shared server yourself

A web server must be a software that runs continuously on the computer and allows any other computer to be downloaded from the server.

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TipsMake.com - A web server must be a software that runs continuously on the computer and allows any other computer to be downloaded from the server. Web servers normally have to be fully qualified and operate in a cold room to ensure that the operating temperature is always stable, but you can also create your own server from your own computer. home.

So why do you need a web server? You may want to download files on your home computer from anywhere. In this article, we will show you how to set up a web server so that anyone (as long as the password is available) can connect to your server and download the necessary documents from it.



Important note: *Running a server on a home computer is extremely dangerous for those who do not have a lot of information and security knowledge. Make sure your computer is up to date with the latest security patches and a complete virus - spyware scanner. This article is aimed at computer users who can easily edit a system configuration file and easily expand port 80 on their computers in front of the Internet. Of course, every*

computer before "public" to the Internet must be prepared with a strong firewall with strict user permissions setup. Are you ready? We begin to proceed.

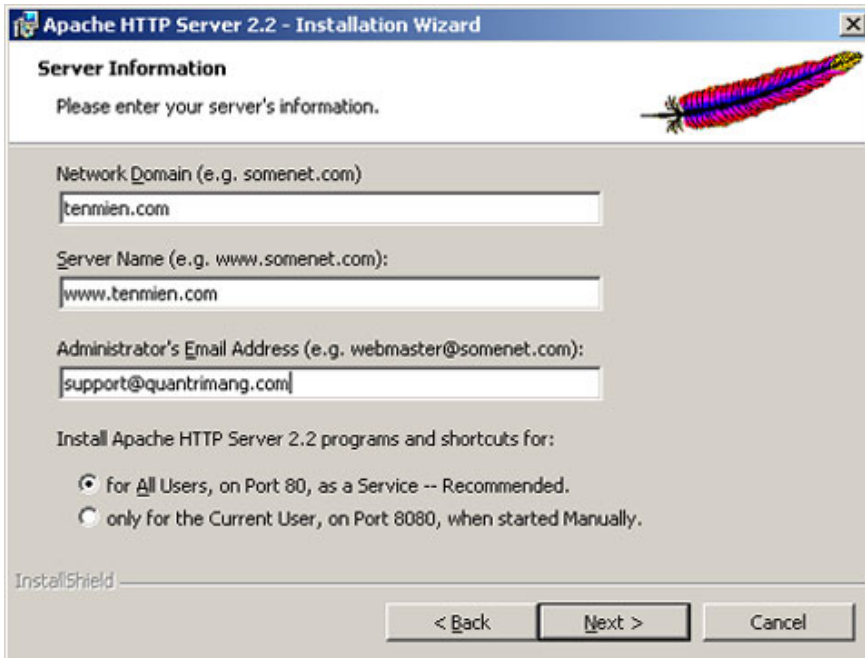
Required requirements

1. A Windows operating system computer
2. A broadband Internet connection (DSL or cable)

Step 1: Install Apache HTTP Server

First, you must disable and stop any firewall or server software running on your computer (including Windows Firewall, Skype, Trilian or other instant messaging applications). This is extremely important because otherwise it could also cause the installation and launch of the server that is faulty. These programs and services can be used normally again after the web server has been set up.

Download Apache HTTP Server here, click on the link at the " **Win32 Binary (MSI Installer)** " link, perform the installation according to the instructions, agree to the copyright agreement and use the default path for Apache files (in *C: Program FilesApache Software FoundationApache2.2*) When entering the server information window, enter your email address and domain information:



Complete installation operations with " **Typical installation** " setting.

Once completed, open the web browser window and enter the address **http://localhost/** . If the first visible page has the words' **It works!** 'means your installation was successful.

During the installation process if you encounter the following error " **Only one usage of each socket address (protocol / network address / port) is normally permitted.: Make_sock: not able to bind to address 0.0.0.0:80 no listening sockets available, shutting Unable to open logs** "means that some server programs (like Skype) have prevented the installation of Apache. To completely remove these programs, go to the command prompt

and enter:

```
netstat -a -o
```

Find the PID (Process ID) of the program running on port 80 (or http). Then open Windows Task Manager (Ctrl + Alt + Del), select the Processes tab. Go to View and select Select Columns and check the PID box. Compare the PID of the command window and PID in Task Manager to see which program is running and turn it off. Then try reinstalling Apache.

Step 2: Configure Apache to share documents from the specified directory

Suppose you want to share your music collection so everyone can download it, and all your music files are in the *C: UserMy Music folder* . First open file **C: Program FilesApache Software FoundationApache2.2confhttpd.conf** using the Notepad program. This is Apache's configuration file and we just changed a bit of the content in that file.

In the **httpd.conf** file, add # notes outside the command line starting with **DocumentRoot** and create a line with your new directory, the result will look like this:

```
#DocumentRoot "C: / Program Files / Apache Group / Apache2 / htdocs"  
DocumentRoot "C: / Gina / My Music"
```

Add # notes to the command line starting with **and add a new line with your shared folder, for example it will look like this:**

```
#
```

About 20 lines below the line `strong="">` **You will see:**

```
AllowOverride None
```

Change it to:

```
AllowOverride All
```

After editing, save the **httpd.conf** file. Then double-click the Apache icon in the Taskbar and select '**Restart**'. If Apache restarts successfully, you have edited the file correctly. Try **http:// localhost / word** in the browser, you will see a list of music files displayed here.

Step 3: Password for shared documents

The files are shared but you want only some people to be able to download your music files. Your bandwidth is extremely valuable so some things need to be secured. Please set a password.

First, open a command window (go to **Start** , select **Run** , enter **cmd** and press Enter). Go to Apache's bin

directory by typing:

```
cd "C: Program FilesApache Software FoundationApache2.2bin"
```

Then create a password by typing:

```
htpasswd -c "C: Documents and SettingsUsermy_password_file.txt" User
```

Replace the above path with the path of your new password file (you can put the file in any directory EXCEPT the web server document - in this case, C: UserMy Music). Replace User with the username you want to use. When asked, enter the password you want to set up. After completing this step, the password has been created.

Then open Notepad to create the file with the following content:

```
AuthType Basic
```

```
AuthName "This is a private area, please log in"
```

```
AuthUserFile "c: Documents and SettingsUsermy_password_file.txt"
```

```
AuthGroupFile / dev / null
```

```
require valid-user
```

Make sure you replace " *C: Documents and SettingsUsermy_password_file.txt* " in the text with the password file you created above. Save this new file IN THE WEB SERVER DOCUMENT ROOT (in this case, C: UserMy Music) and its name is **.htaccess** . Don't forget the dot (.) Stands at the beginning of the name, so in this case, we'll save the file as **C: UserMy Music .htaccess** .

Note : If you use Notepad to create a .htaccess file, when you save the file, put double quotes around the file name - '**.htaccess**' - so that Notepad does not automatically add the .txt extension to the end of the name. file. If the file name has the .txt extension, your password will not work!

Now use the web browser, go to **http://localhost** / you will be asked to log in. Enter the username and password you set.

Step 4: Allow web server to work

If the server does not turn on the firewall, you can access your web server from any computer by entering the machine's IP address into the address bar of the web browser. If you do not know the IP of the server, go to this site to know the IP address. If the server IP address is **12.34.567.890** , enter **http://12.34.567.890** in the address bar of the browser. If your computer has a firewall (like a wireless router firewall), you need to open port 80 on the firewall and forward it to the computer you use as the server. How to set up as follows:

1, Determine the server's internal IP address

All computers on the local network have an IP address, it has the form 192.168.0.XXX. To know this address,

go to the server to get the address, open the command window, enter the ipconfig command:

```
C: User> ipconfig
```

Windows IP Configuration

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix. :

IP Address. : 192.168.0.11

Subnet Mask. : 255.255.255.0

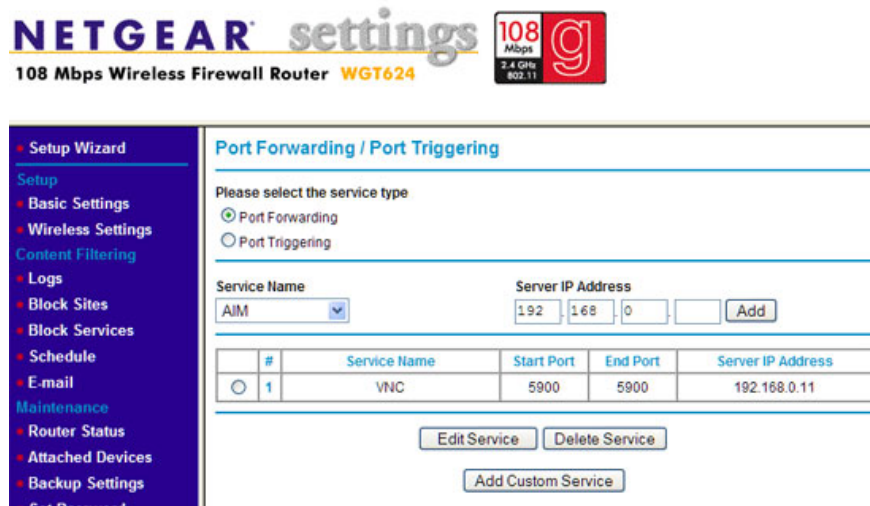
Default Gateway. : 192.168.0.1

In this case, you can see the server's internal IP address is 192.168.0.11.

2, Configure the router

Most routers have a web-based management interface and are located at **http://192.168.0.1** (This address also changes depending on the type of router. Refer to the information. guide your router)

After entering the correct path, enter the password to access the router administration. There is a section called " **Port forwarding** ", where you will set the number of ports that Internet requests will go in and the local computer will respond to those requests. As the screen below is a setting for the Netgear router with the forward port 5900 for VNC server, corresponding to the computer with IP 192.168.0.11.



The following are common services and their default port numbers:

Service Web port number server80VNC (remote control) 5900Instiki wiki2500FTP21BitTorrent6881-6990

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