

Speed ??up Windows 7 startup

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You feel frustrated when Windows 7 starts slowly which takes you a lot of time. Do not worry, I will show you how to fix the cause above in a simple and quick way.

1. Set a static IP address for the computer.

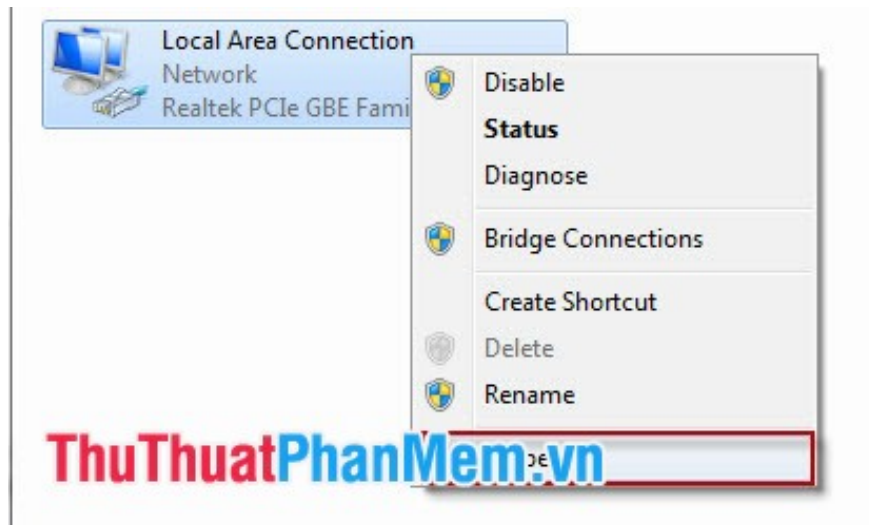
When booting the computer, Windows spends a long time querying the IP address from your network. You can reduce this time by setting a static IP address for your computer. Because this IP is fixed, the computer does not need to ask for the IP address every time it boots up. If your computer's IP address is in a dynamic state, change it to a static state by right-clicking the network icon in the **Taskbar** and selecting **Open Network and Sharing Center** .



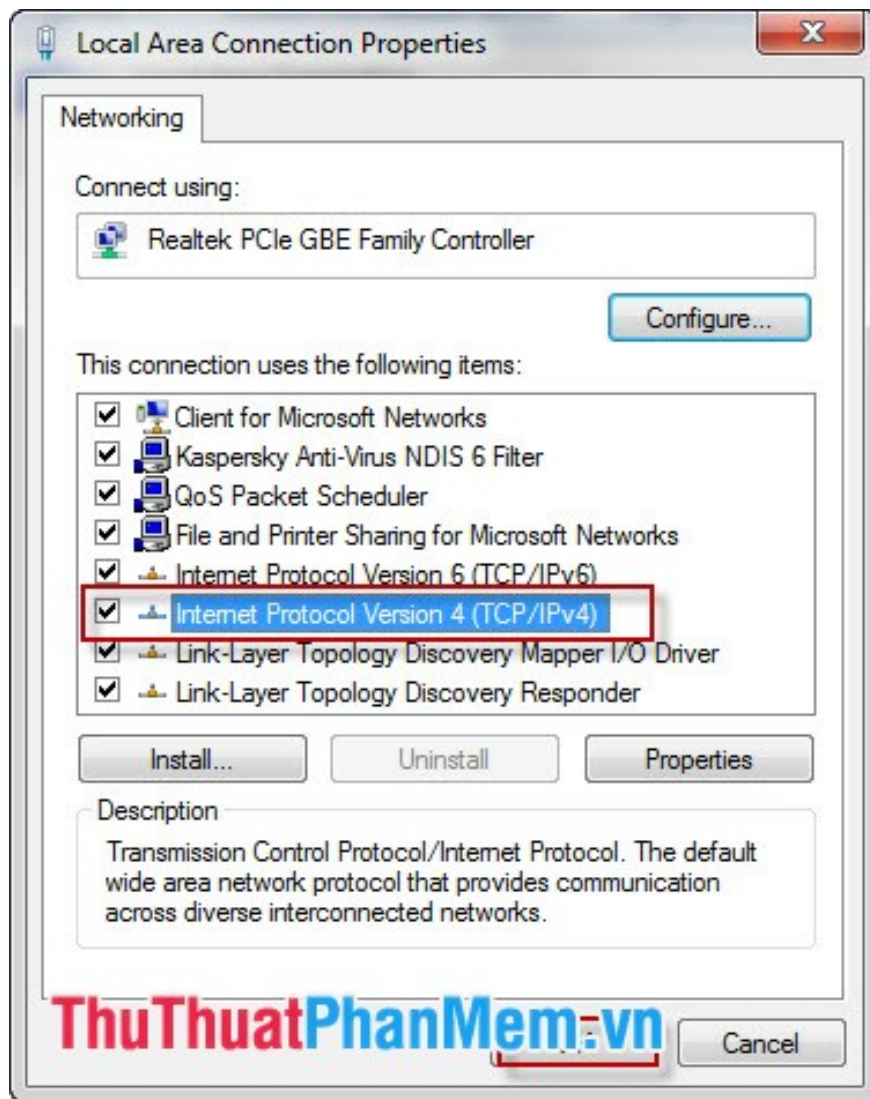
In the **Control Panel Home**, click **Change adapter settings** .



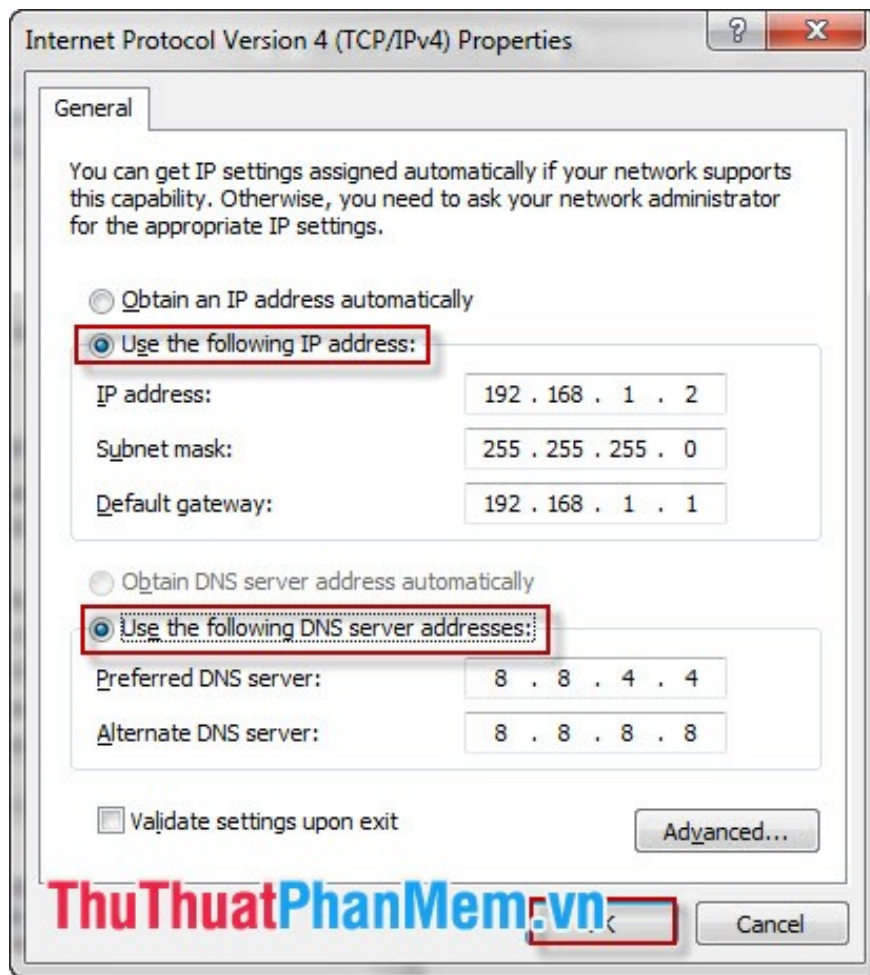
Next, right-click **Local Area Connection** and select **Properties** .



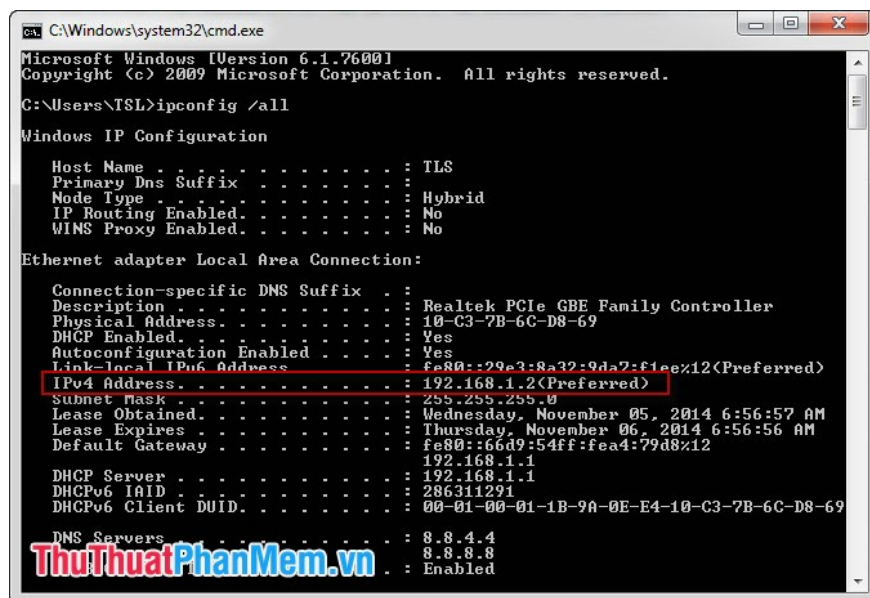
The **Local Area Connection Properties** window appears, double click on **Internet Protocol Version 4 (TCP / IPv4)** .



In the **Internet Protocol Version 4** window (**TCP / IPv4**) **Properties** in the **General** tab, click **Use the following IP address** and enter the **IP address** , **Subnet mask** and **Default gateway** according to the network settings. In the **Use the following DNS server address** section, you can choose your own domain name server, click **OK** to complete the setup.

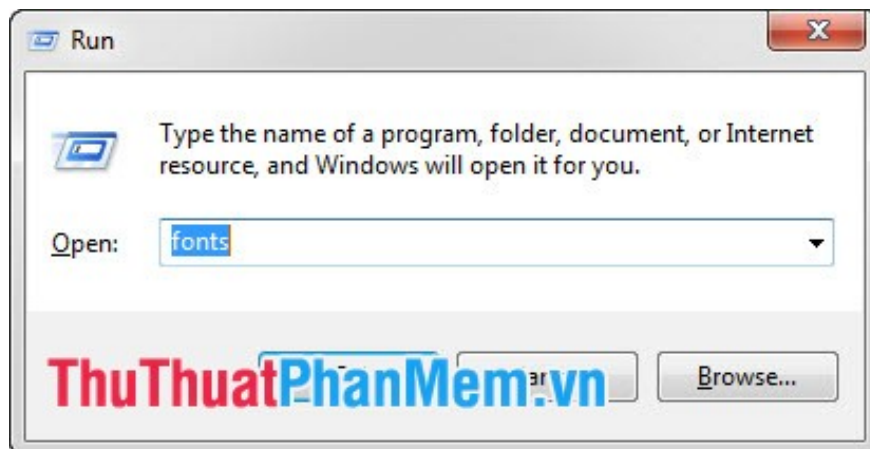


Thus, the process of setting the IP address for the computer is completed, to check you can use the command ipconfig / all in the **Command prompt** of Windows.

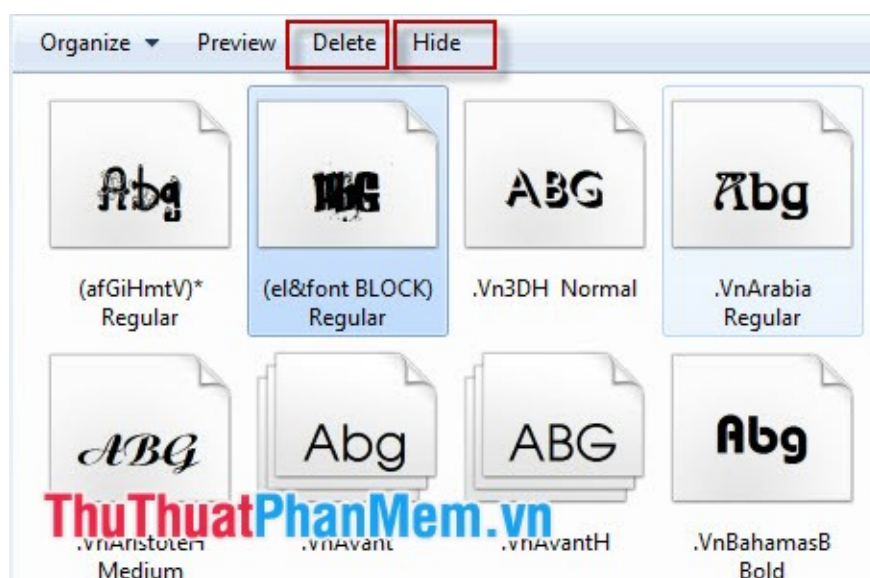


2. Delete or hide unnecessary fonts.

When booting Windows 7 means that the available fonts (approximately 200 fonts) are opened. When running Microsoft Office, the number of fonts loaded increases. But using up all or not is extremely wasteful resources. So that you can temporarily hide or remove unnecessary fonts to increase the boot process. To do this, open the computer's **Font** folder by going to **Run**, type *fonts* or go to **Control Panel** -> **Fonts** .



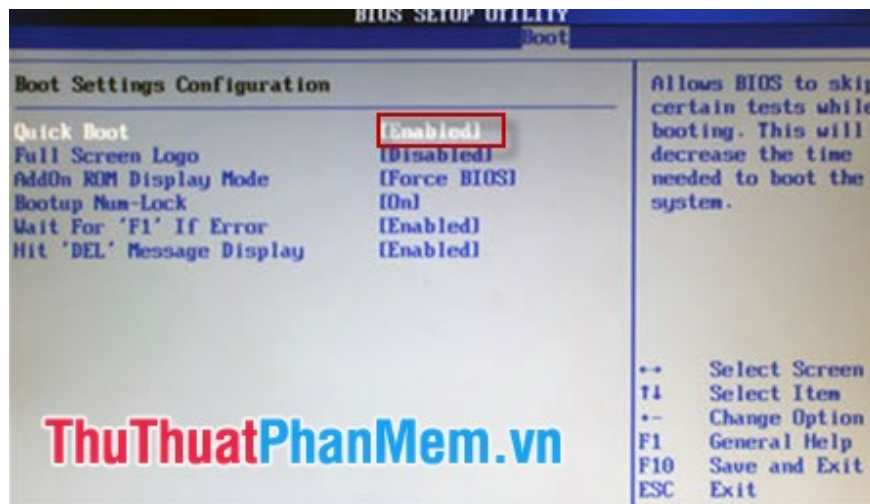
Click the font you do not need and then select **Hide** or **Delete** in the toolbar.



Obviously, by removing or hiding a lot of unused fonts, it will increase the maximum speed when booting Windows 7.

3. Tweak the BIOS.

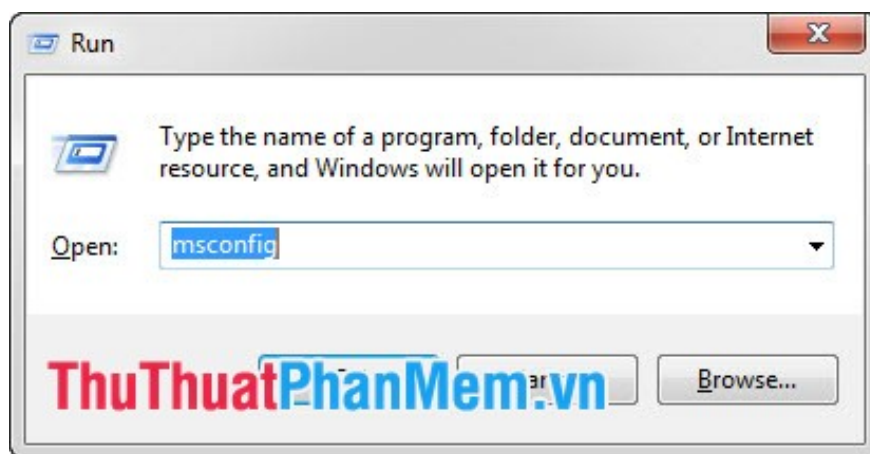
Before running into the Windows boot screen, the **BIOS** is the first part to boot. The **BIOS's job** is to control the I / O systems and load the necessary programs into memory. To tweak the **BIOS** you enter the **BIOS** by pressing **Del** or some shortcut keys depending on the factory default key). Next, click on **Advanced** -> **Quick Boot** and select **Enable** to enable real-time saving in hardware testing.



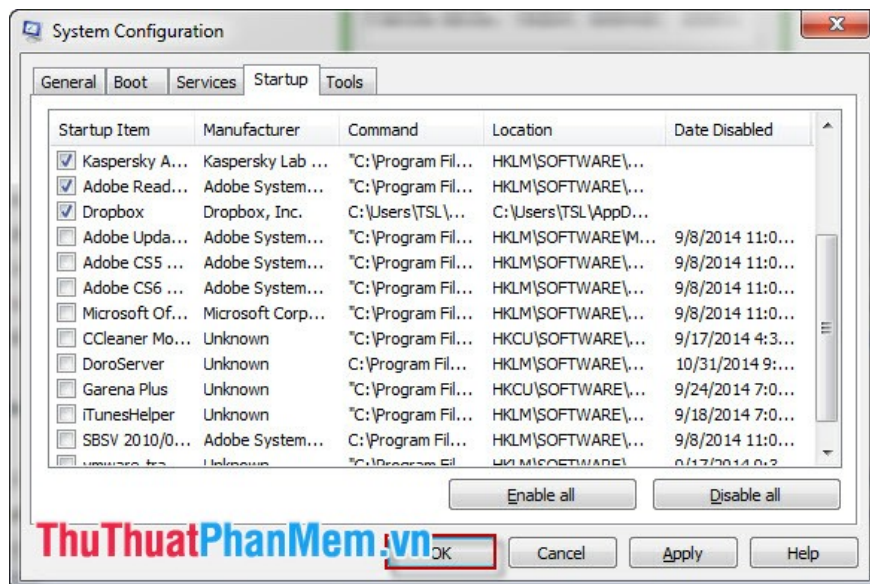
In addition, we should arrange the Boot mode by hard drive and then to other devices so that the **BIOS** does not spend much time searching for Boot files from other devices. If you do not need it, you should leave Boot mode from the hard drive and other devices should not be added.

4. Remove applications that start with Windows do not matter.

Eliminating applications that start with Windows will optimize the boot time. To remove these unimportant applications, click **Start** -> **Run** (or **Windows** key + **R**) and enter *msconfig* command line .

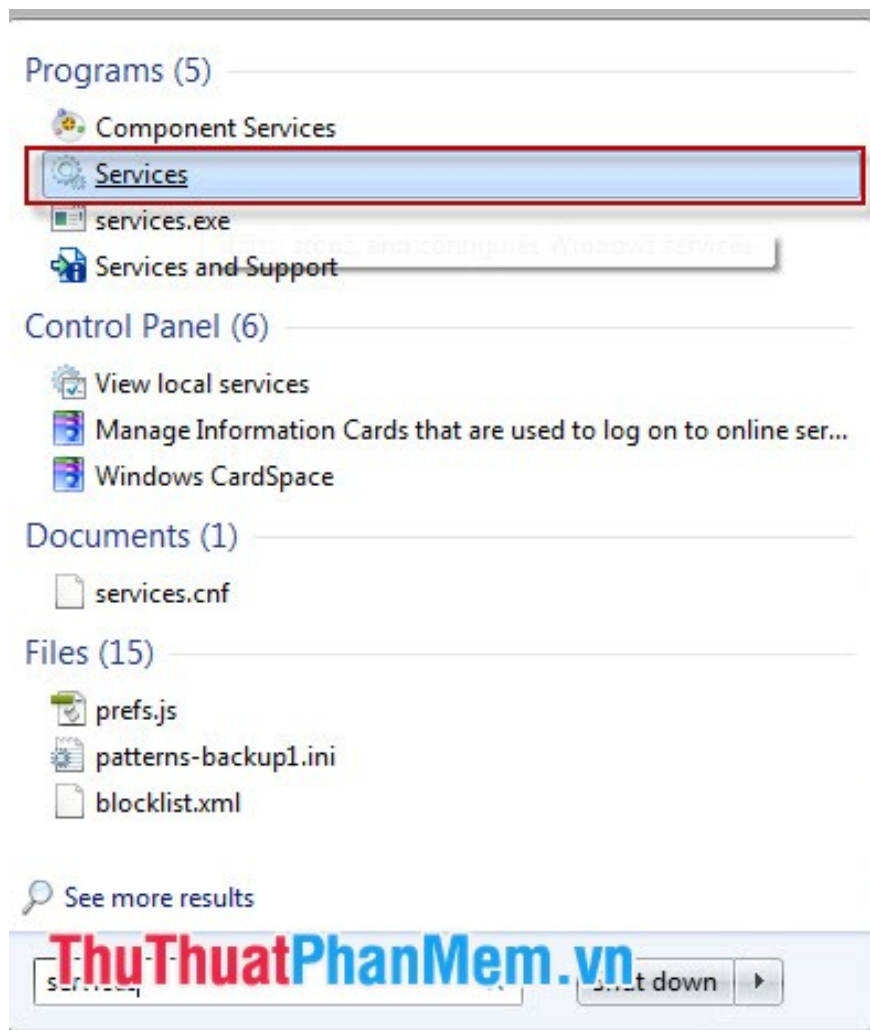


System Configuration window appears, click the **Startup** tab and then uncheck the application does not need to run with Windows, click **OK** to complete the changes. You can also use software to support this.



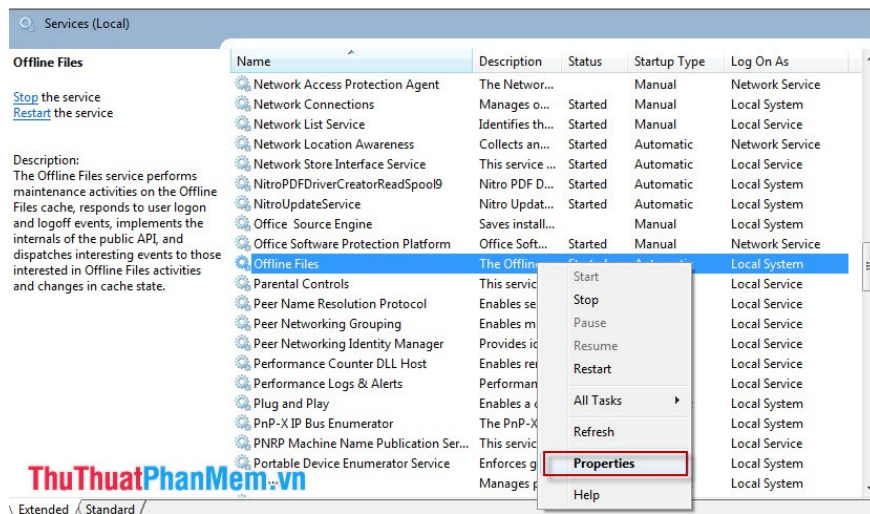
5. Temporarily stop using Windows services at startup.

Shutting down services that start with Windows will speed up the computer completely, but later on when you want to turn it back on it is very troublesome. So we will suspend these services so that when necessary we can run it simply. To do this, click **Start**, enter *services* in the command line search box, and then select **Services** as shown below.

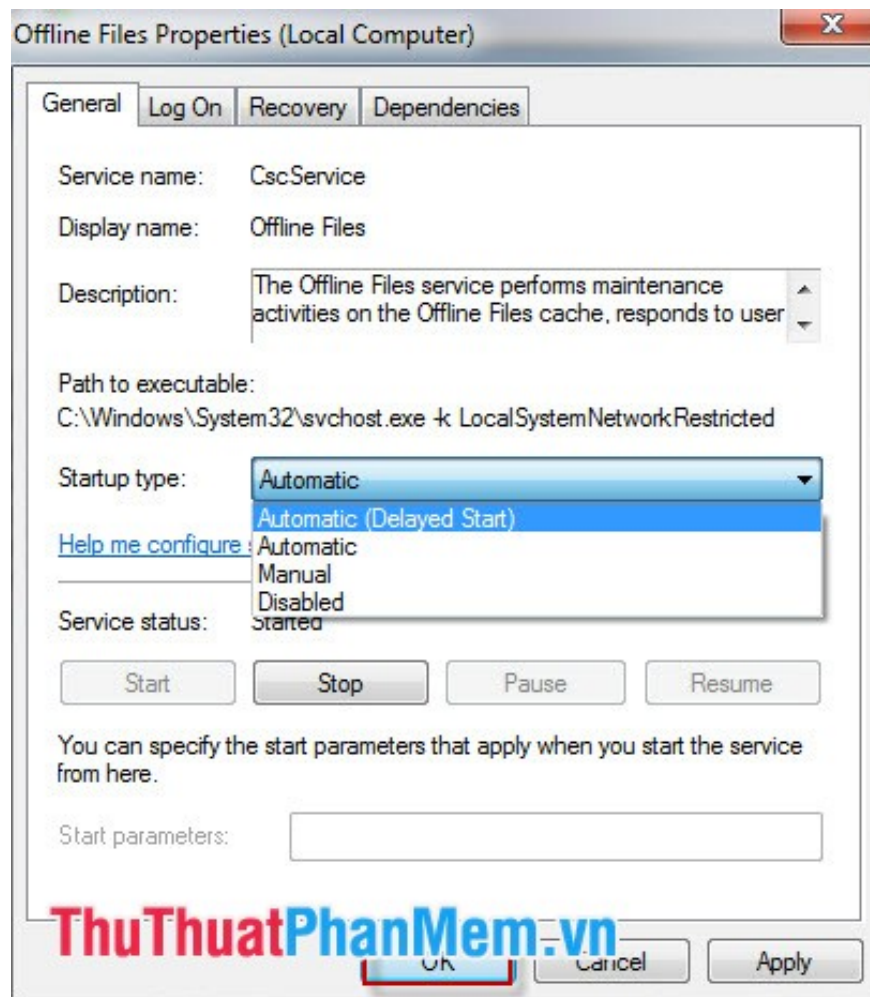


Note: You should not pause Windows services as this will not start Windows. So you should only suspend services from applications that you install more.

Right-click on the service that needs to pause and select **Properties**.

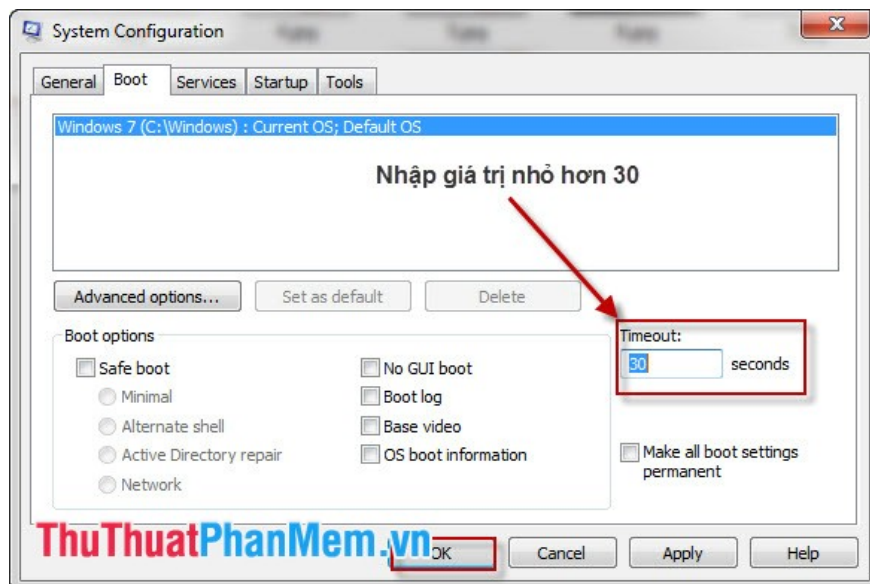


Then the **Properties** dialog box appears, navigate to the **Startup type** and select **Automatic (Delayed Start)** . Click **OK** to finish.



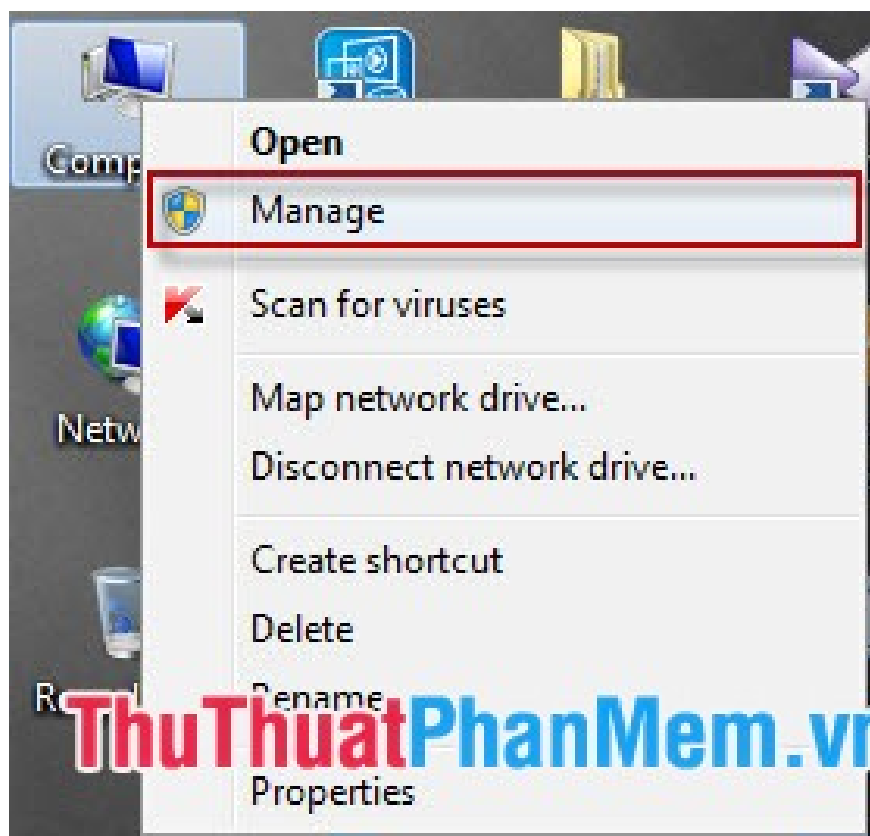
6. Set the boot menu display time.

The operating system we are using has a value called "timeout value", which means the time it takes to count down until it automatically selects the default operating system to boot. In Windows 7, the default time is 30 seconds. This is a period of time that you feel long enough to wait for the computer to boot up. So you can save Windows boot time by opening the **System Configuration** window (**Windows** key + **R** type *msconfig* command). Switch to the **Boot** tab at the **Timeout** section enter a value lower than 30 and click **OK** to finish.

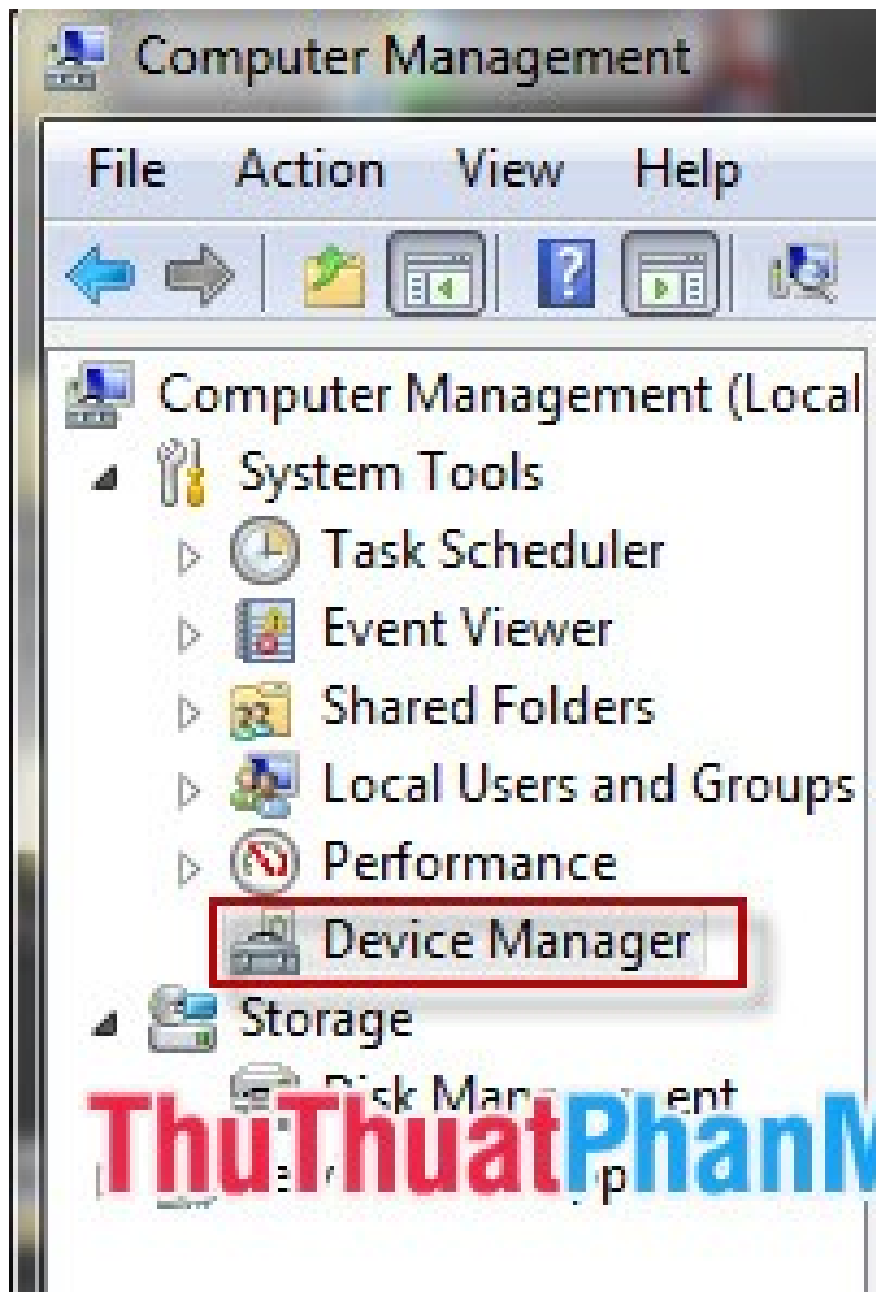


7. Disable unused hardware.

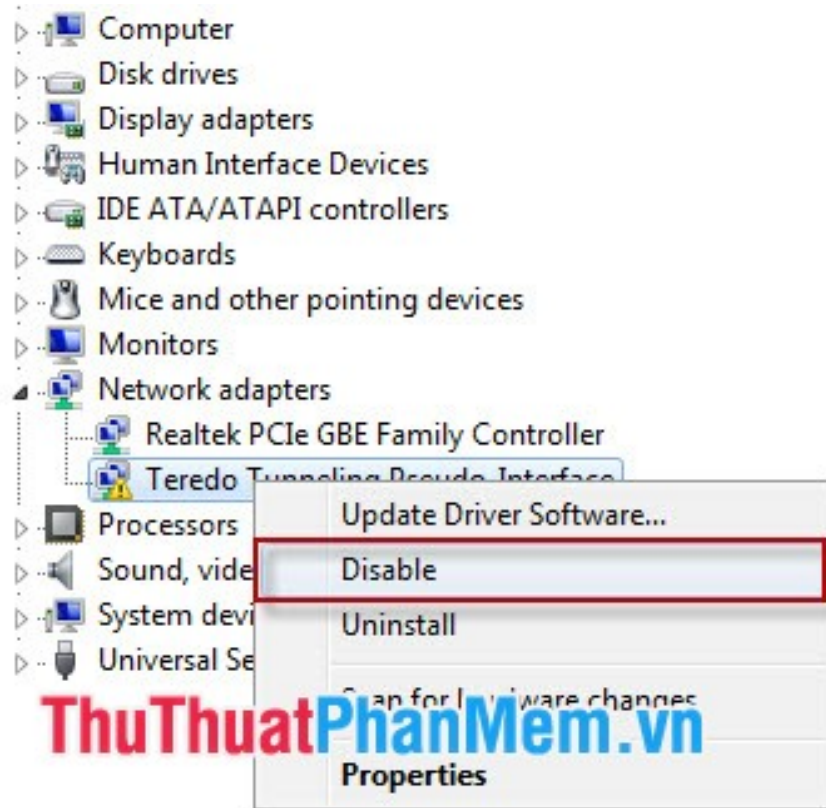
During the Windows startup process, having to load a lot of drivers (hardware drivers) increases the waiting time. So, to save driver load time, you can disable unused drivers such as Bluetooth, Wifi . Access the **Device Manager** application by right-clicking **Computer** on the outside of the screen selecting **Manager** .



Next in the **Computer Management** window click on **Device Manager** .



Right-click the device that needs to be disabled and select **Disable**, then click **Yes** to complete this operation.



In addition, you should also update the drivers of frequently used devices to reduce the time to boot Windows.

Above are some ways to speed up Windows on useful startup. In addition to further optimize this you can upgrade the hardware such as replacing the **HDD** with an **SSD** , increasing **RAM** capacity .

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