

Home Networks

OR

*Yours, Mine, and Ours
With or Without Wires*

Why should I bother to extend my home network?

- More than one PC/laptop in the house
- More than one device needs to print to one printer
- More flexibility/mobility for users

“Goes Outta – Goes Inta”

Examine PC/Laptop, Printer:

Can they do what I want them to do?



Add a Device by Adding Cabling



Simple: Connect device to your modem with long ethernet cabling and duct tape. \$

Not Elegant



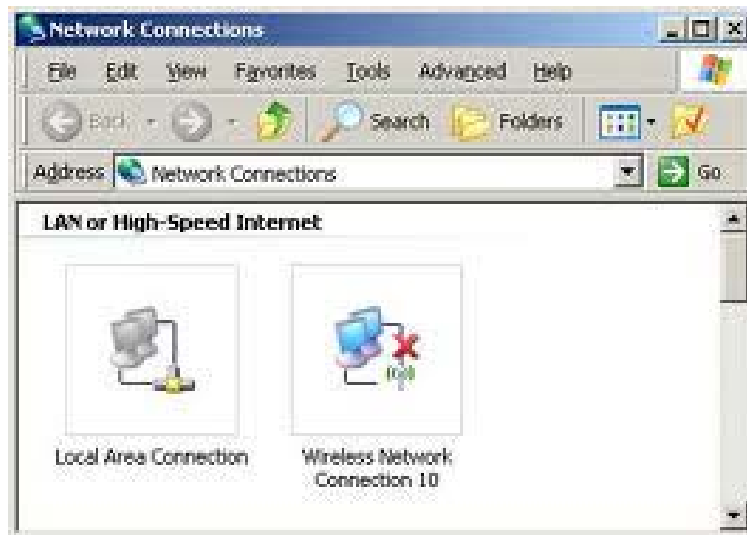
More complex: Connect device to your modem with long ethernet cabling, using drill, cabling tools, and faceplate w/terminals. \$\$->\$\$\$\$ (outsource)

More Elegant

Add Devices using *Wireless*

Examine PC/laptop, printer for ethernet port, usb port, internal wireless “adapter” or “card.”

How? From PC/laptop’s Control Panel, see Network Connections. Does screen look like this?



But what if I don't have an internal wireless adapter? You can buy an external adapter!

Did my ISP give me a wire-only modem or an antenna-ed modem/router?

You're in business!



Or one like this?
A bit more work...



If no antenna, you can purchase a wireless router to connect to that modem with its own ethernet cable.



Cost: From \$30 to \$129+

Home Network FAQs

- I want to share my printer among all the laptops and PCs in my home. How to do?
 - First, “share” printer via “Printers” section of control panel, then “add a printer” to each PC/laptop.
- "Help! My PC (laptop, printer, etc.) fell off my home network!" What to do?
 - Check simplest things first: all cables secure? Power on for all devices? Restart everything. Call for help....

SECURITY of Your Home Network

- What exactly are the threats?
 - Theft of information
 - Theft of bandwidth
- It's simple to keep safe?
 - Yes, use the WEP password that comes with your ISP-provided modem/router or your purchased wireless router.
 - Disable file sharing if you don't need it.

How do I disable file sharing?

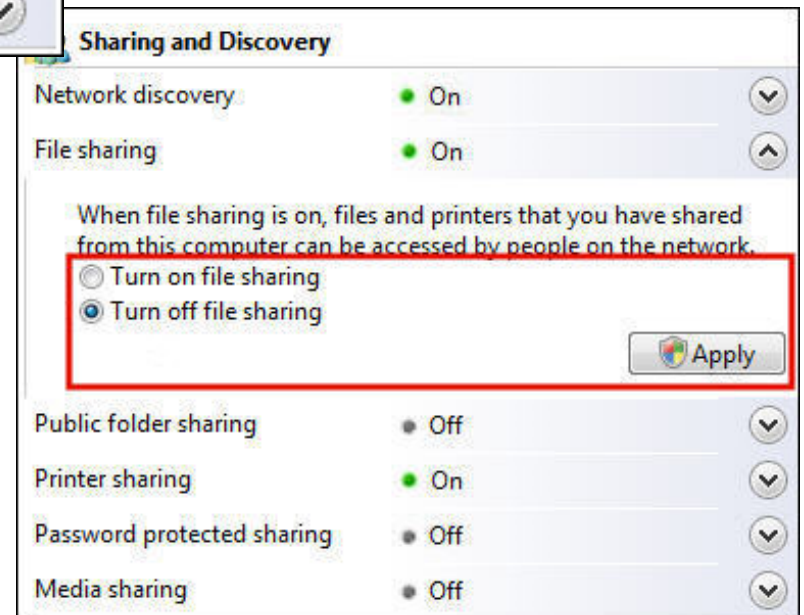
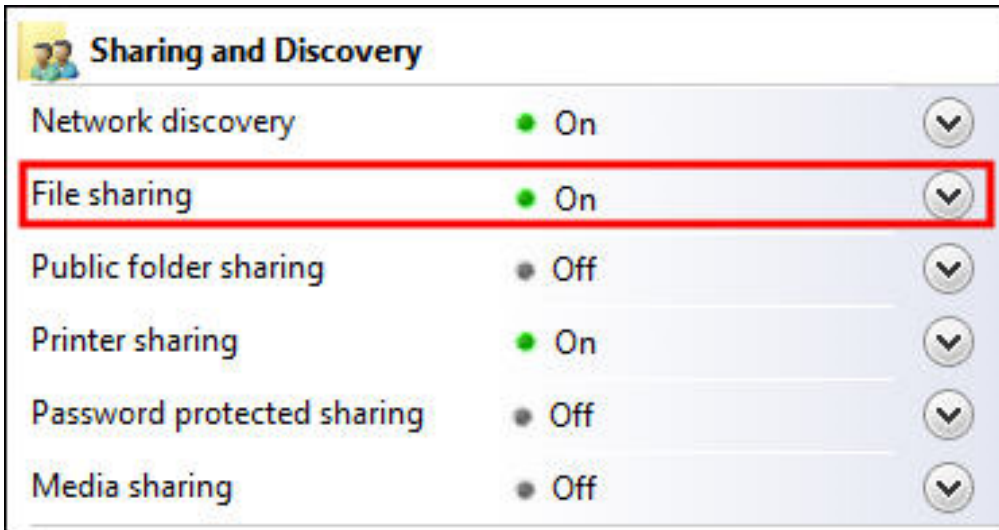
Disable it thus in XP (except XP Home):

- Click **Start**, and then click **My Computer**.
- On the **Tools** menu, click **Folder Options**.
- Click the **View** tab.
- In the **Advanced Settings** section, click *to clear* the **Use simple file sharing (Recommended)** check box.
- Click **OK**.

I have a Windows Vista or Windows 7

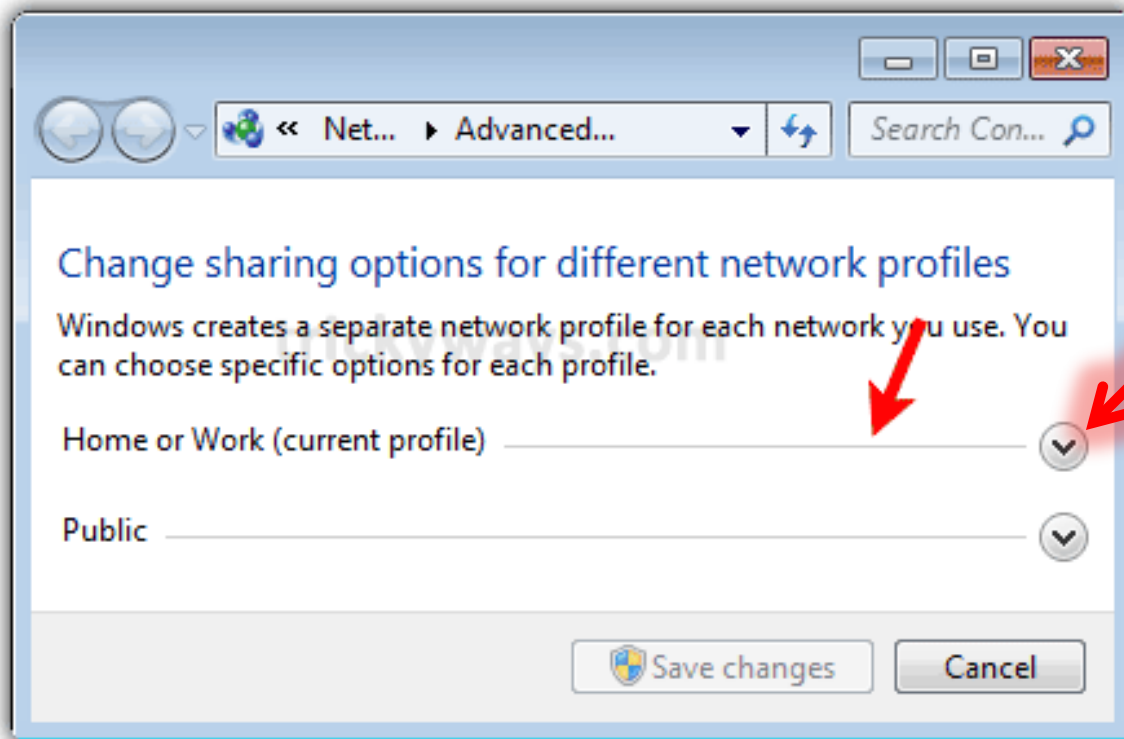
Disable file sharing thus **for Vista PCs:**

- Select **Start > Control Panel**.
- Under Network and Internet, select **Set up file sharing**. The Network and Sharing Center window appears.
- Under Sharing and Discovery, check to be sure that the option for File sharing is set to **Off**. If it is not, click the **down arrow** next to File sharing and select the radio button to **Turn off file sharing**. Click **Apply** and then click **Continue** through the warning message.



Disable File Sharing on Windows 7 PCs thus:

- Click the **START** button.
- Type **file sharing** in the search results window, and then touch **Enter**.
- Under "File and Printer Sharing", check to be sure that **Turn off file and printer sharing** is selected.
- Click **Save Changes**.



Expand sections and change as needed.

QUESTIONS?