Practical Network
Third Class
L.5

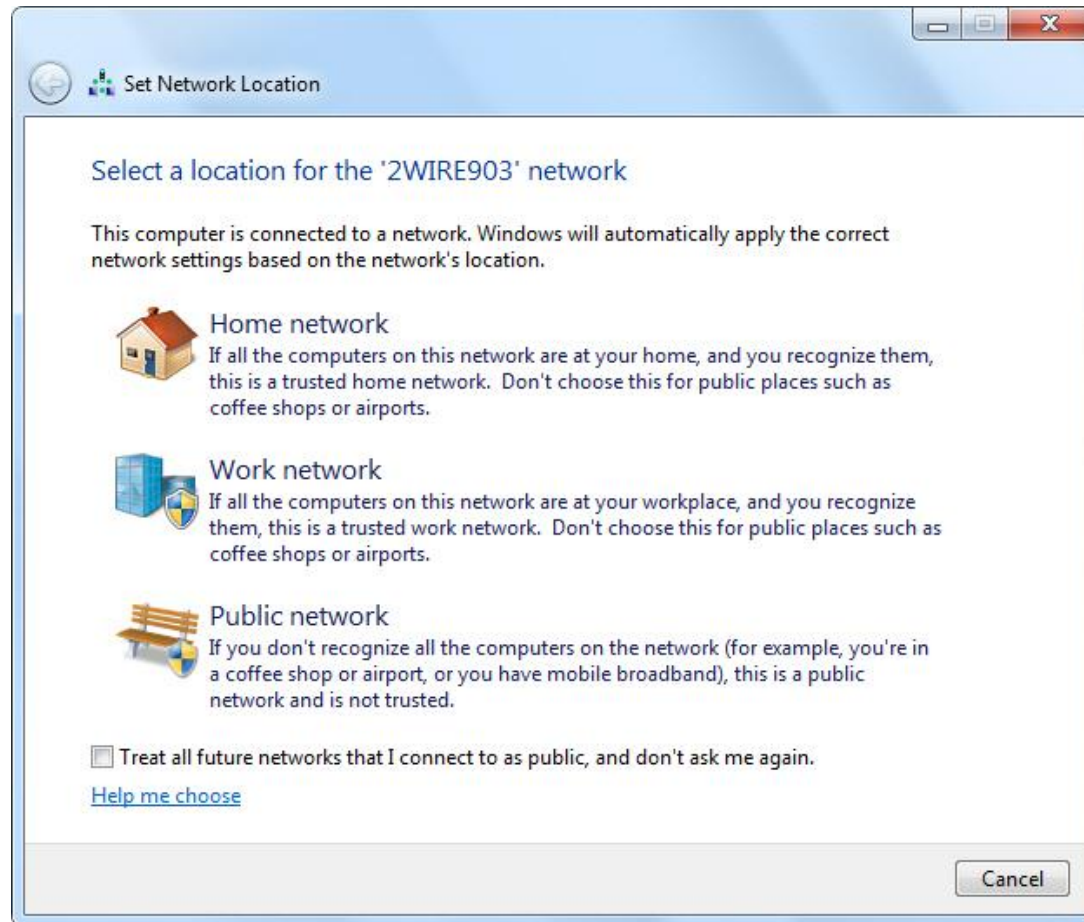# Mohanad Ali
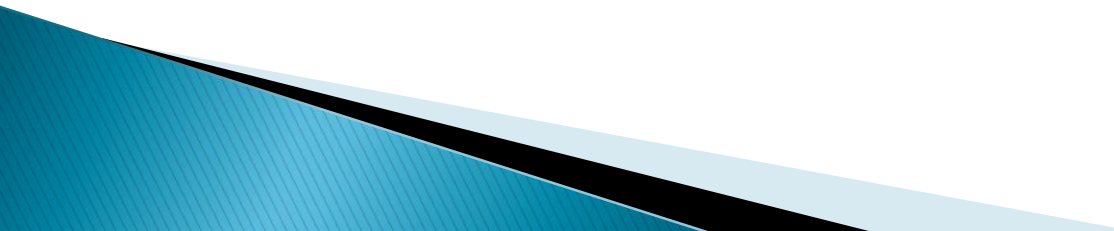
File and Printer Sharing

- Basic sharing
- Advanced sharing
- Public folders
- HomeGroup
- Workgroups
- Domains

Network Locations in Windows 7
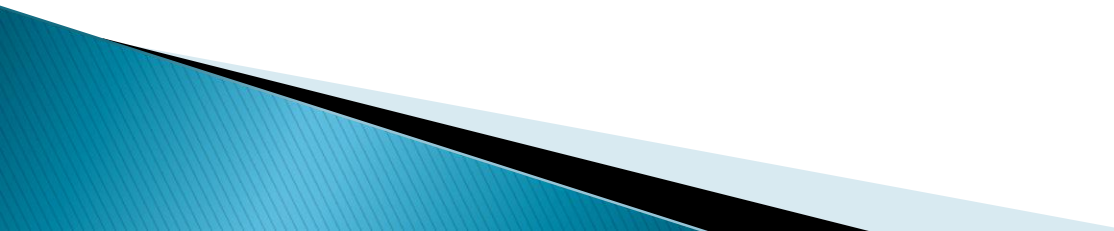
What Should You Use?

- Use *HomeGroup* or *Public folders* if you have a small office/home office, all computers running Windows 7
- Use a *workgroup* if you have a peer-to-peer network that includes a mix of computers running Windows 7 and Windows Vista or Windows XP, and you want to share files between the computers
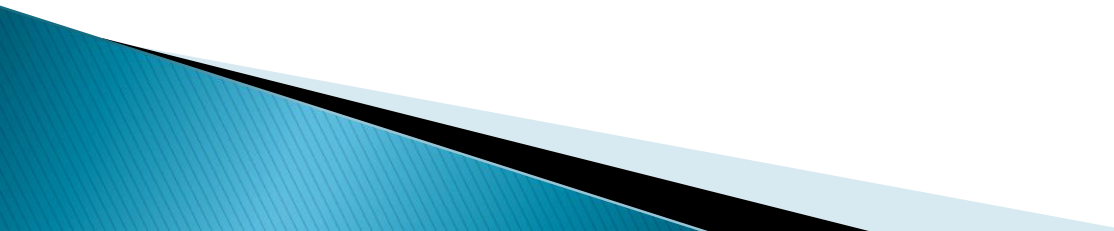- Use *domains and Active Directory* in larger business environments

HomeGroup

- The file and printer sharing solution built in to Window 7
- Once you set up a homegroup on one computer, other networked computers running Windows 7 can join the homegroup and automatically see the shared libraries and printers

HomeGroup Caveats

- Can only join (not create) a homegroup in Windows 7 Home Basic and Starter editions
- Can join only one homegroup at a time; if computer is already joined to a homegroup, must leave that homegroup to join another
- Can't limit access to shared items to individual users; anyone using a computer that's a member of the homegroup can access the shared content

HomeGroup Caveats

- Non-Windows 7 computers (Windows Vista, Windows XP, Mac OS, or Linux) require additional setup steps to access shared items in a homegroup
- Must already have a network set up (either wired or wireless)
- To create or join a homegroup, computer's network location must be set to "Home network" (in the Network and Sharing Center)
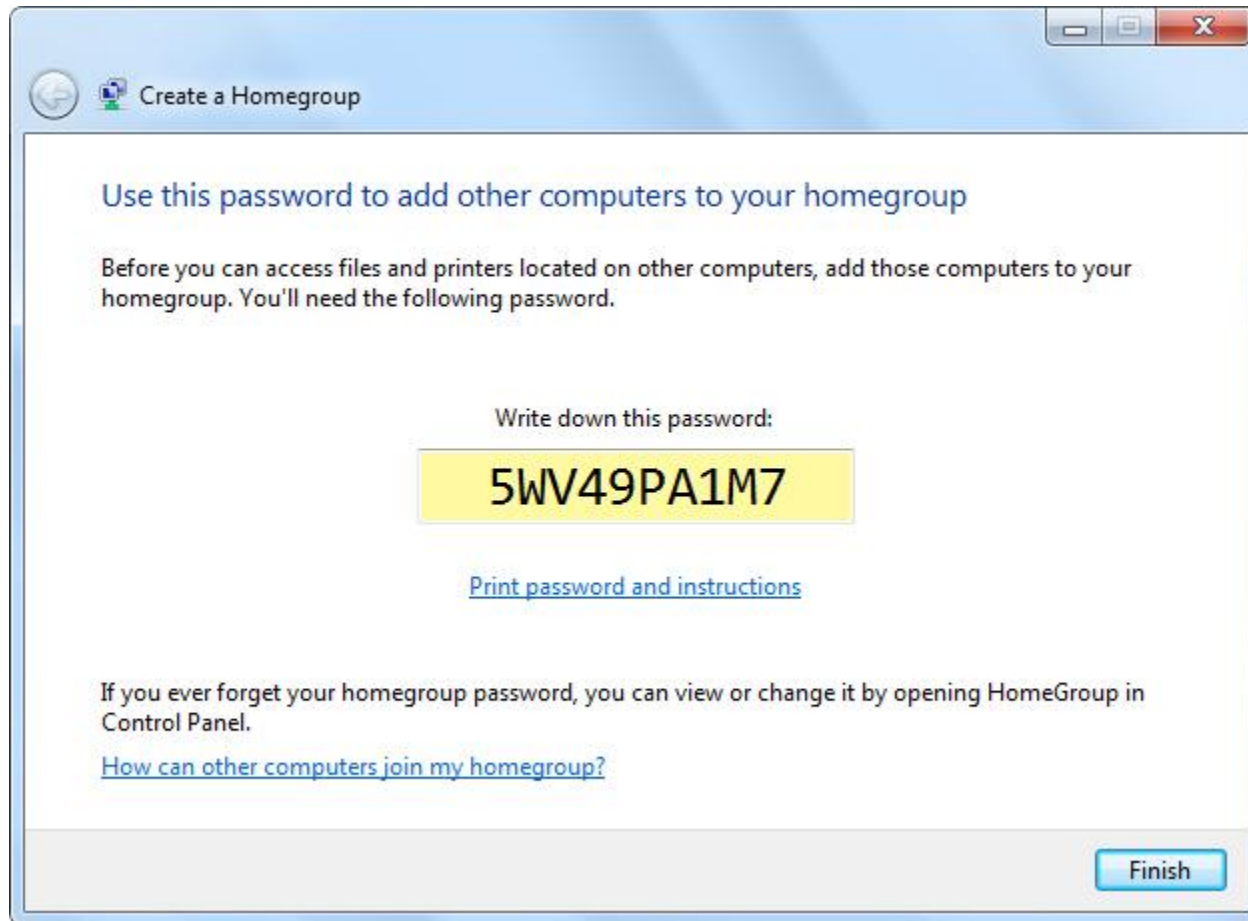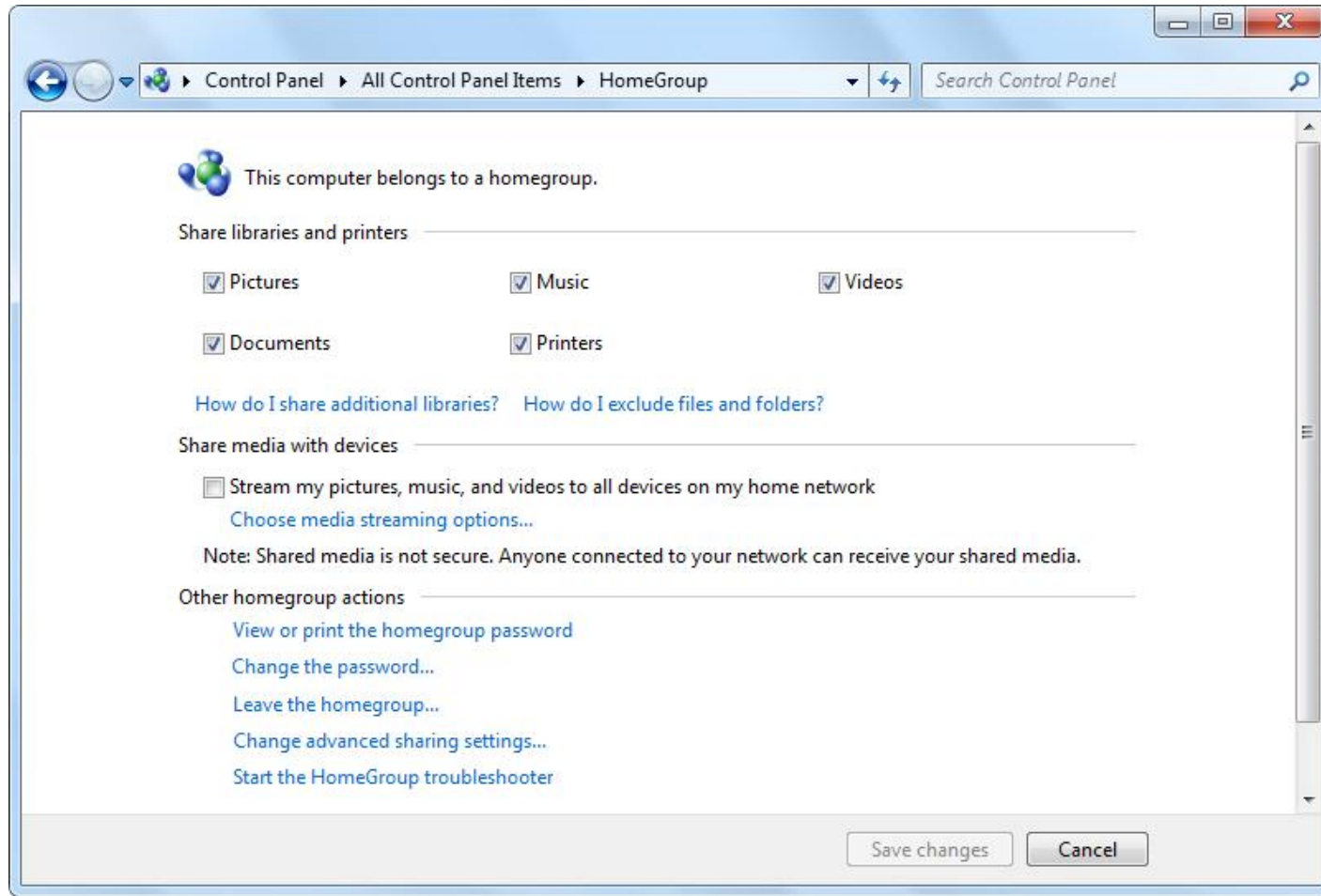
HomeGroup Setup

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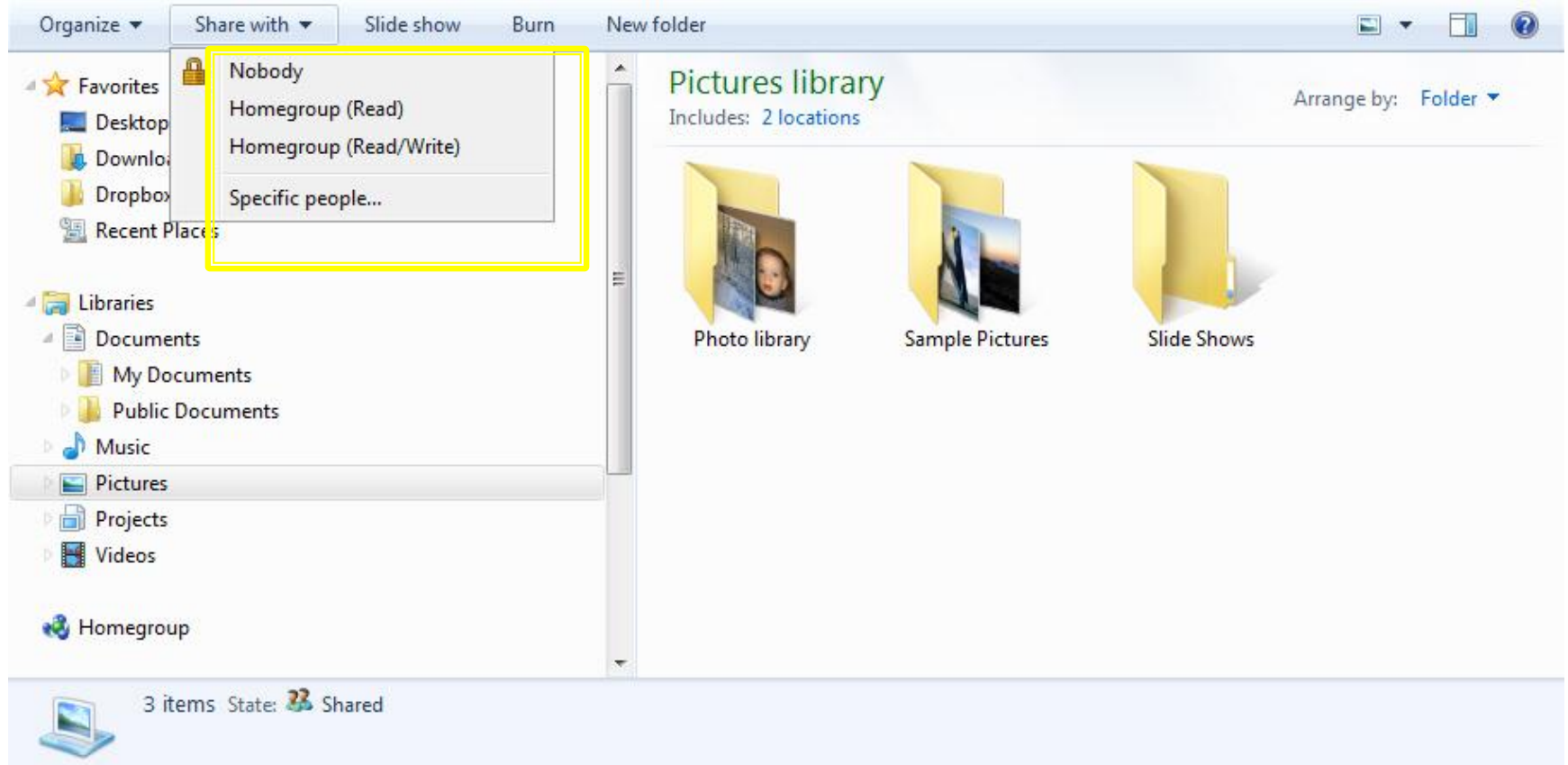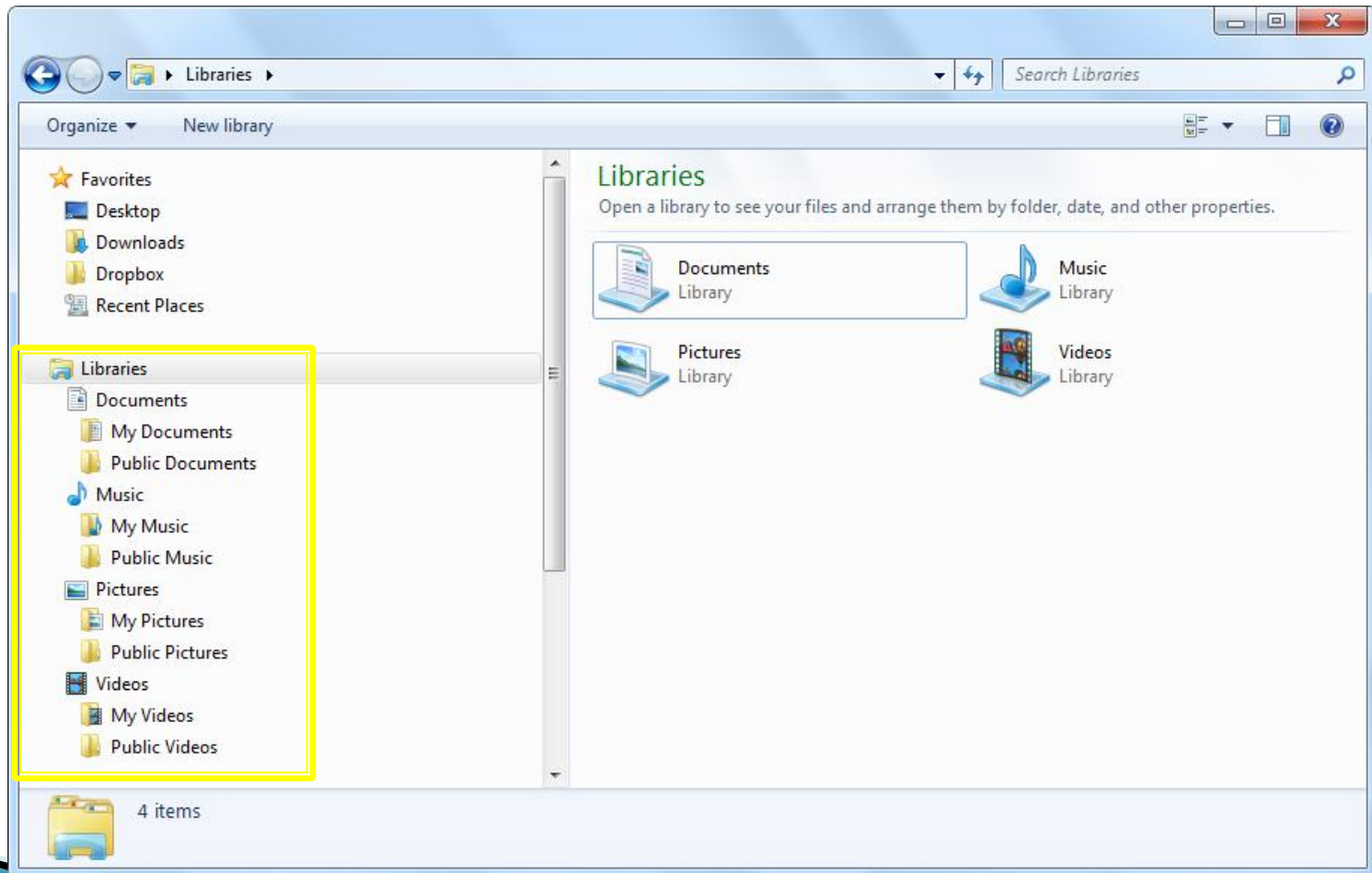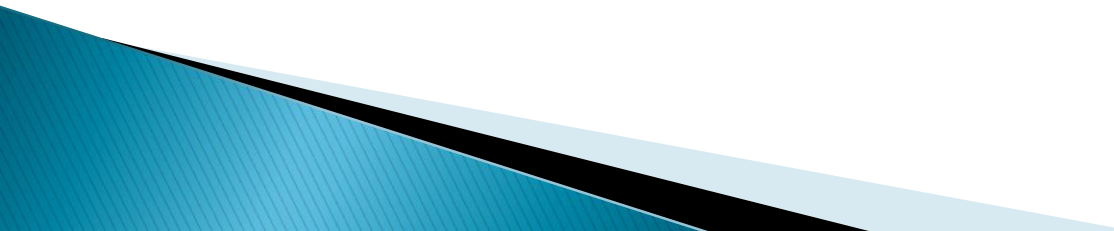# HomeGroup Setup

# HomeGroup Setup

# Controlling HomeGroup Access

Public Folders

Public Folders

- Public folder sharing in Windows 7 turned off by default (except on a homegroup)
- When Public folder sharing is turned on, anyone on computer or network can access these folders
- Can't limit which files or folders are shared in a Public folder—everything is shared; anyone with network access can read and write files in Public folders
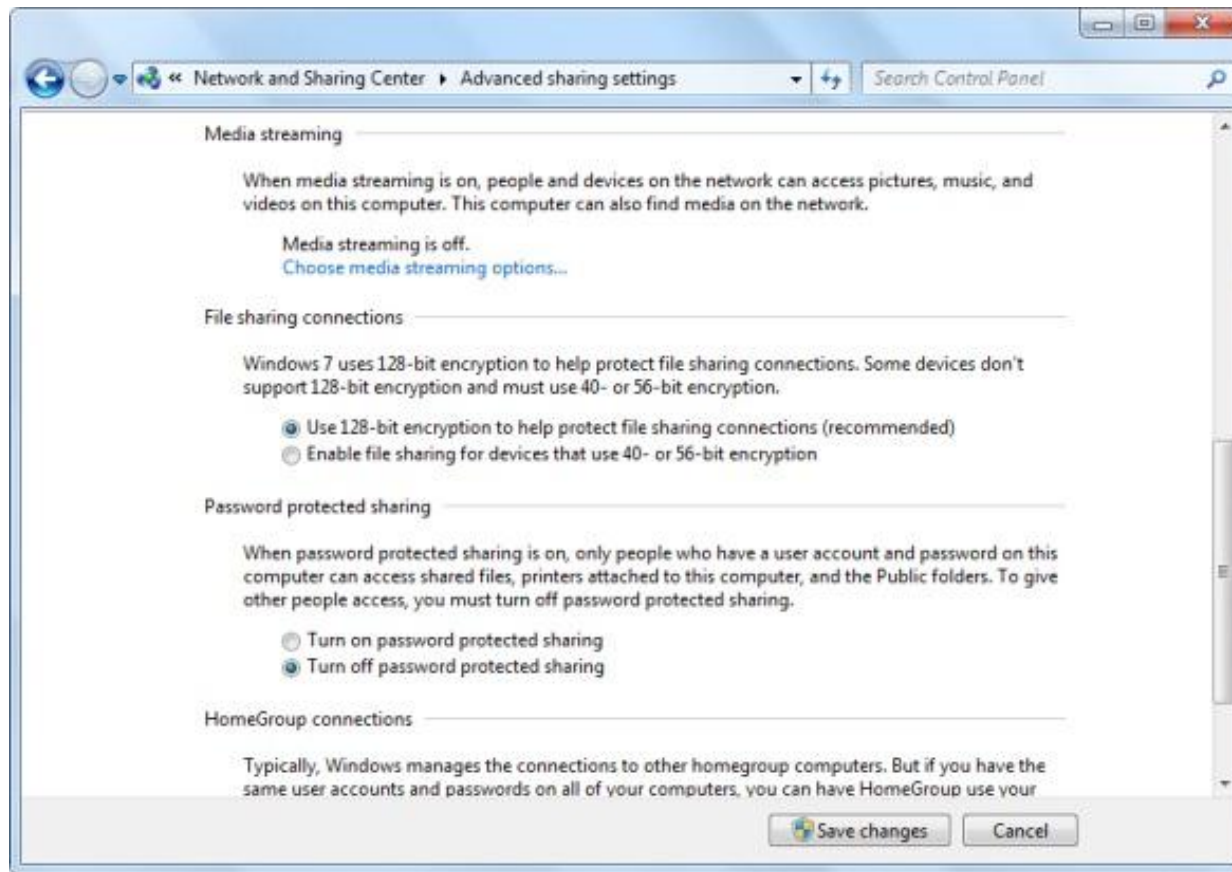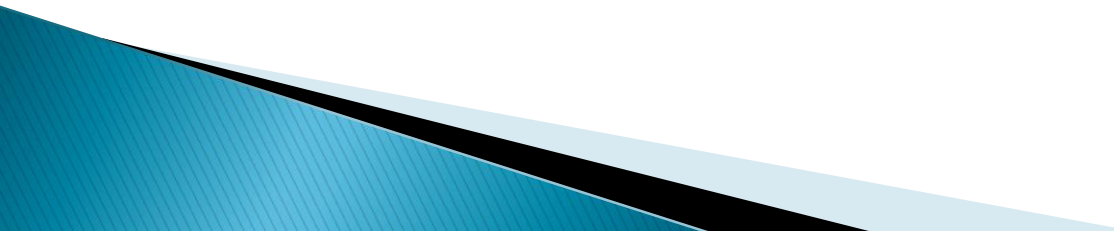
Turning Public Folder Access On/Off
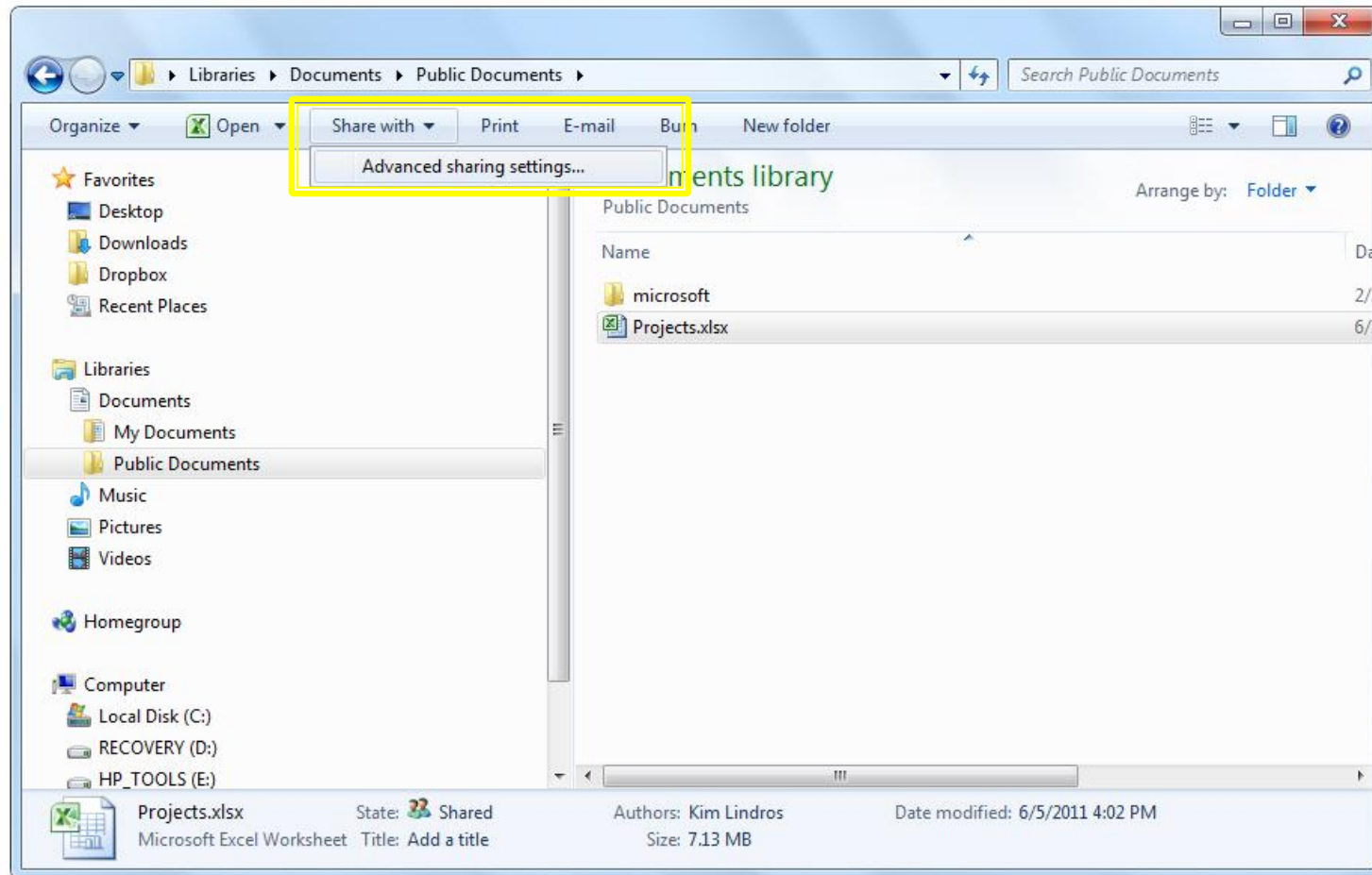
Turning Public Folder Access On or Off
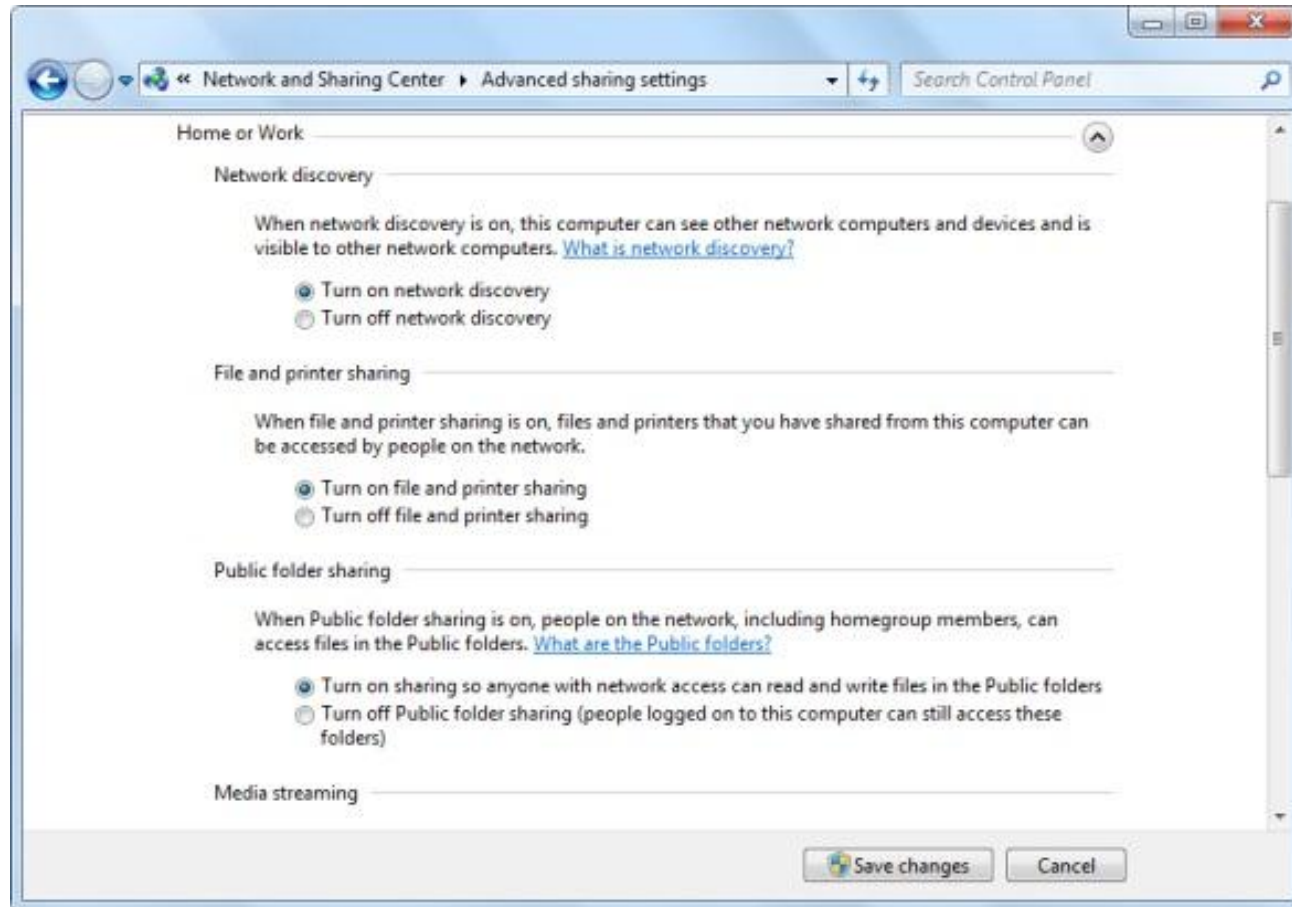
Turning Password-Protected Sharing On or Off

Basic and Advanced Shares

- Allow you to control who may access specific files and folders located in your libraries
- *Advanced sharing* offers the most options and is the best choice for protecting confidential information
- File sharing and network discovery must be turned on
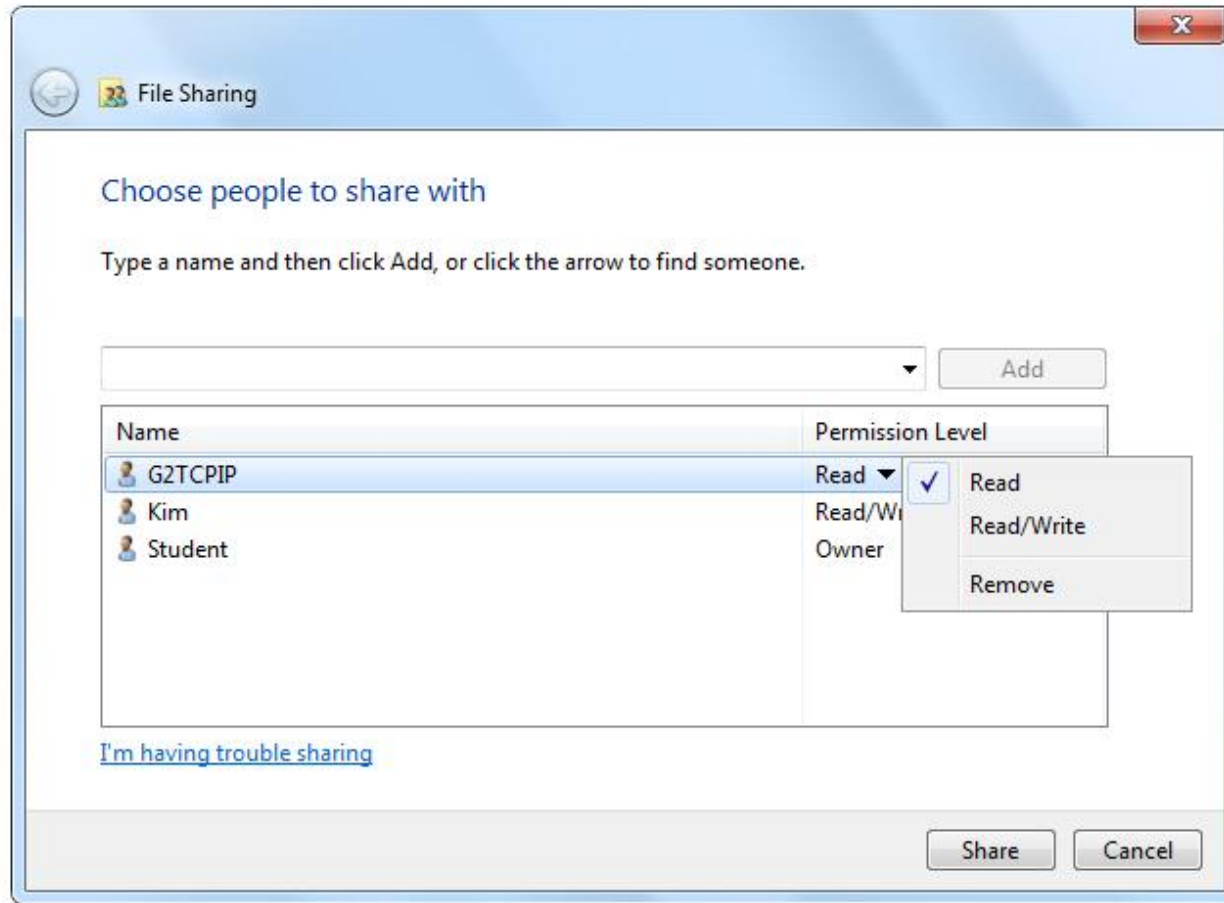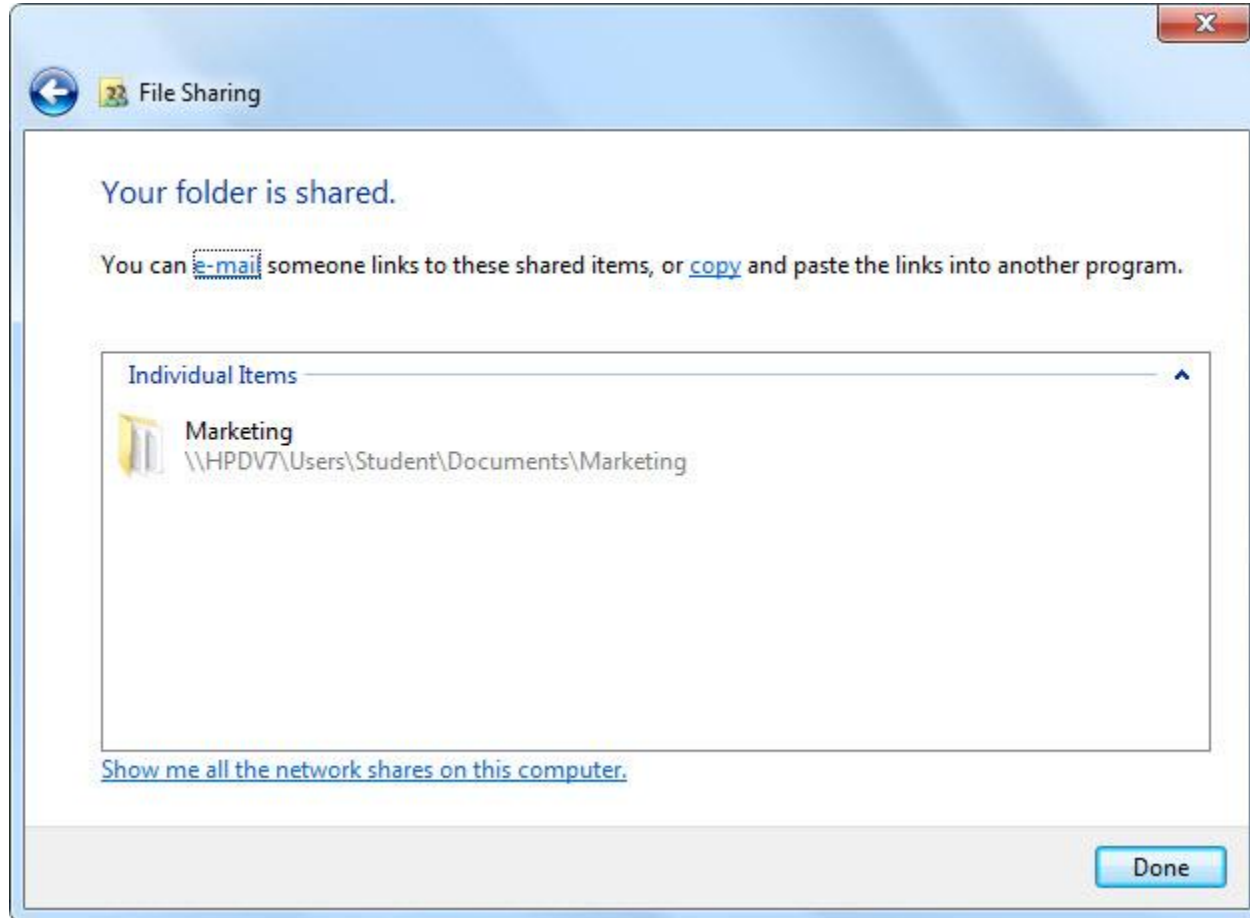- Best practice is to turn on password-protected sharing

Setting Up a Basic Share
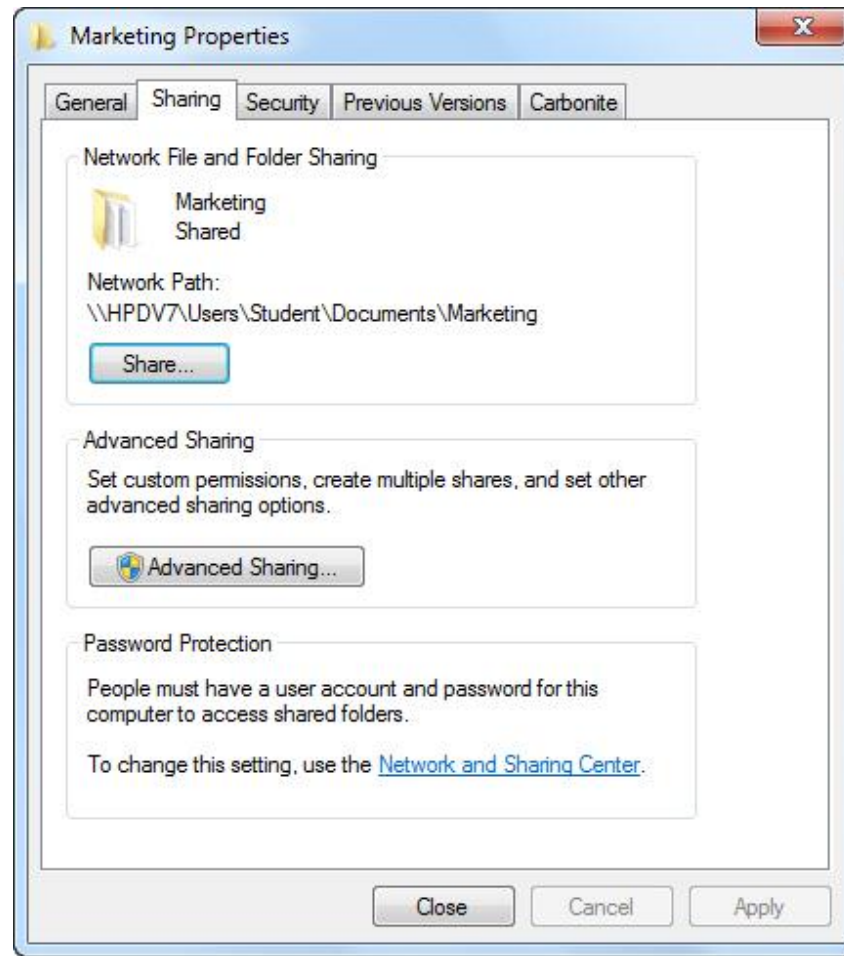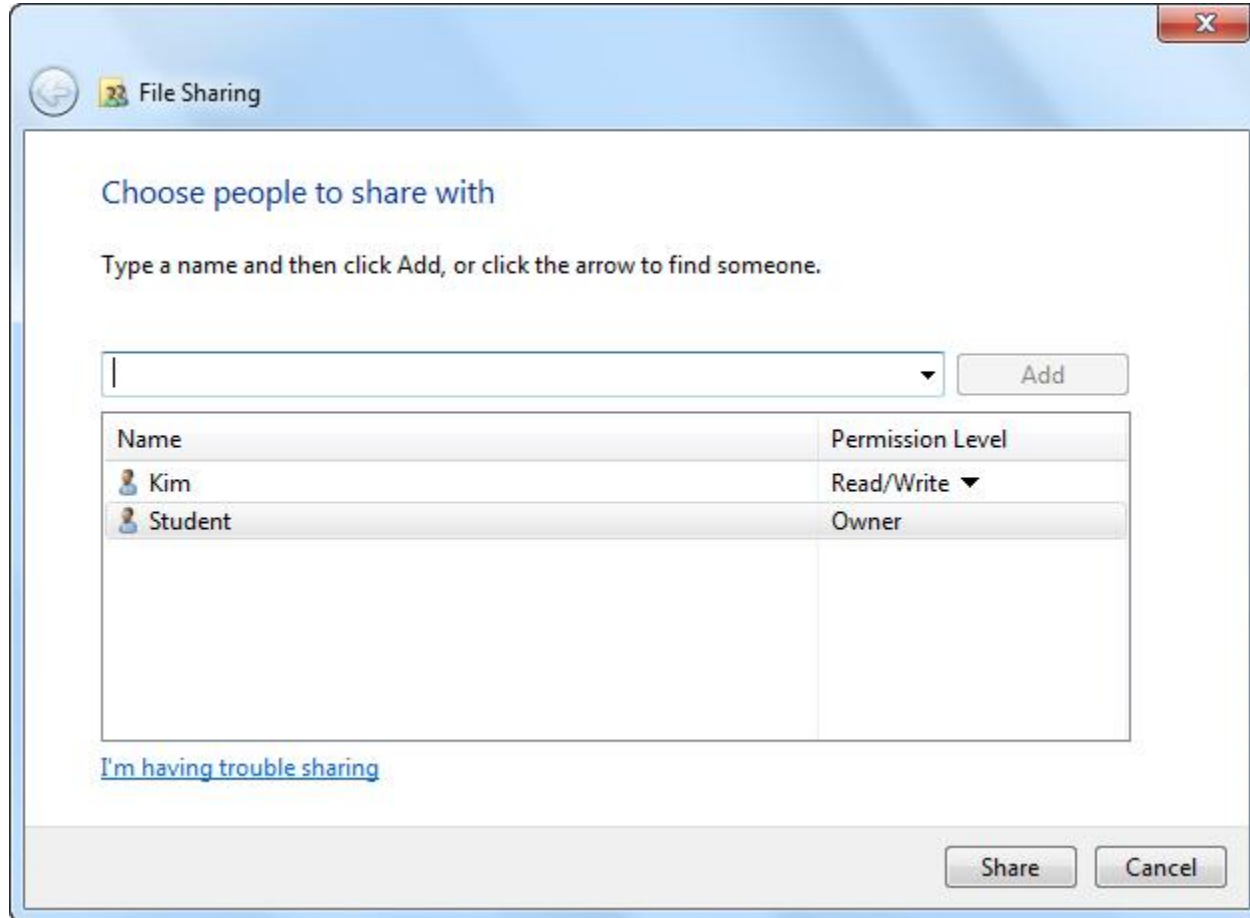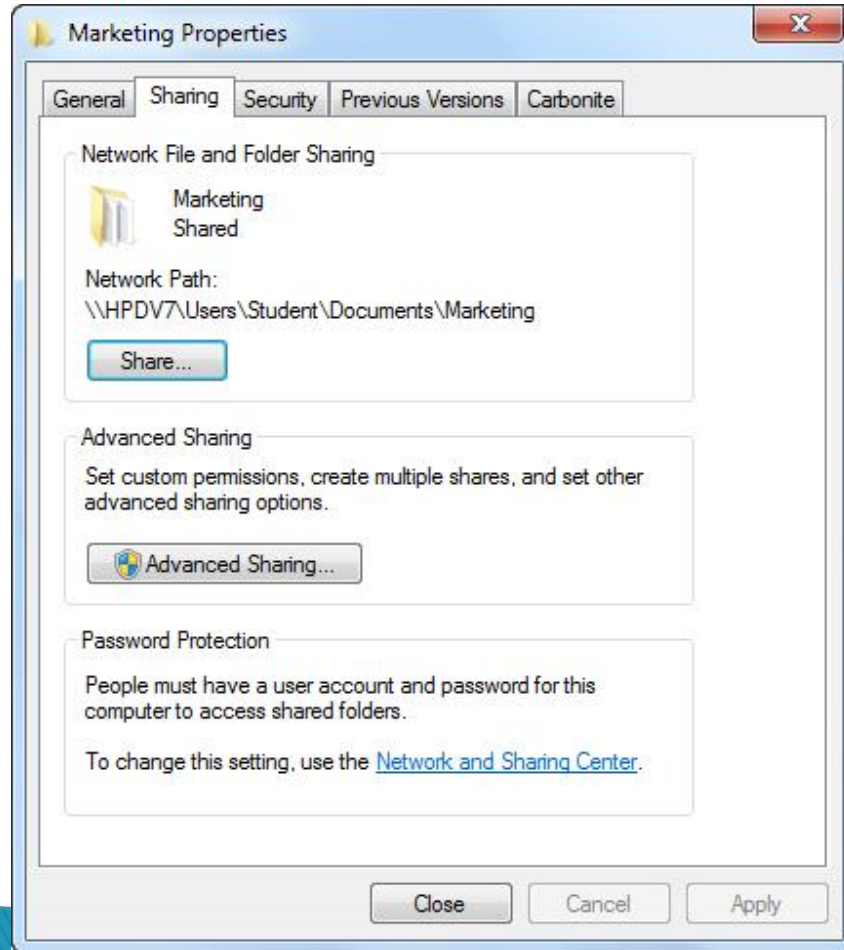
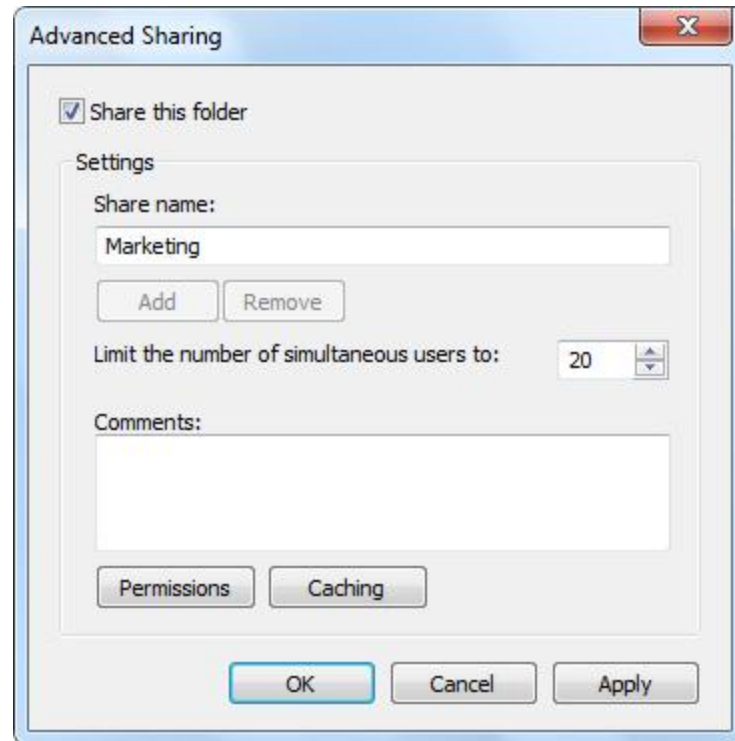# Setting Up a Basic Share

Setting Up a Basic Share

Setting Up a Basic Share

Setting Up an Advanced Share

Setting Up an Advanced Share
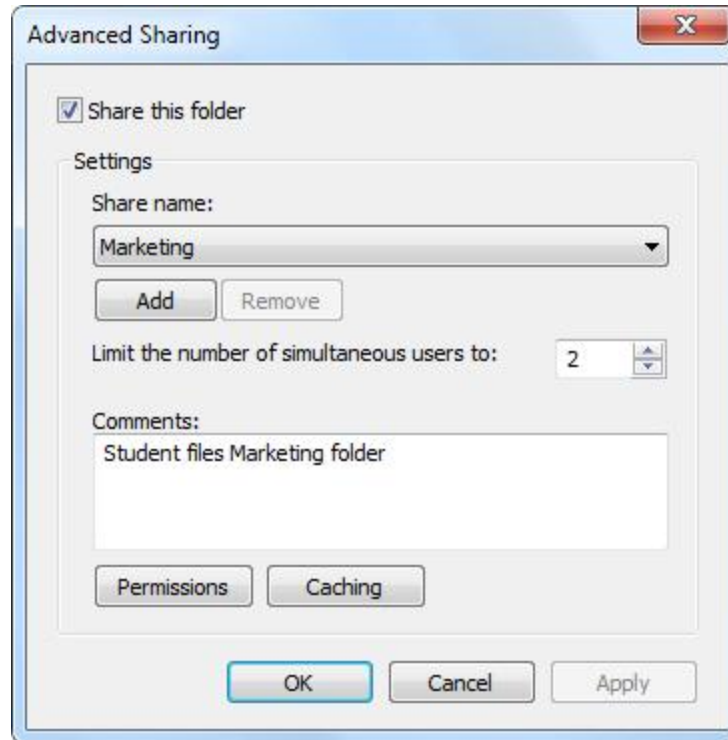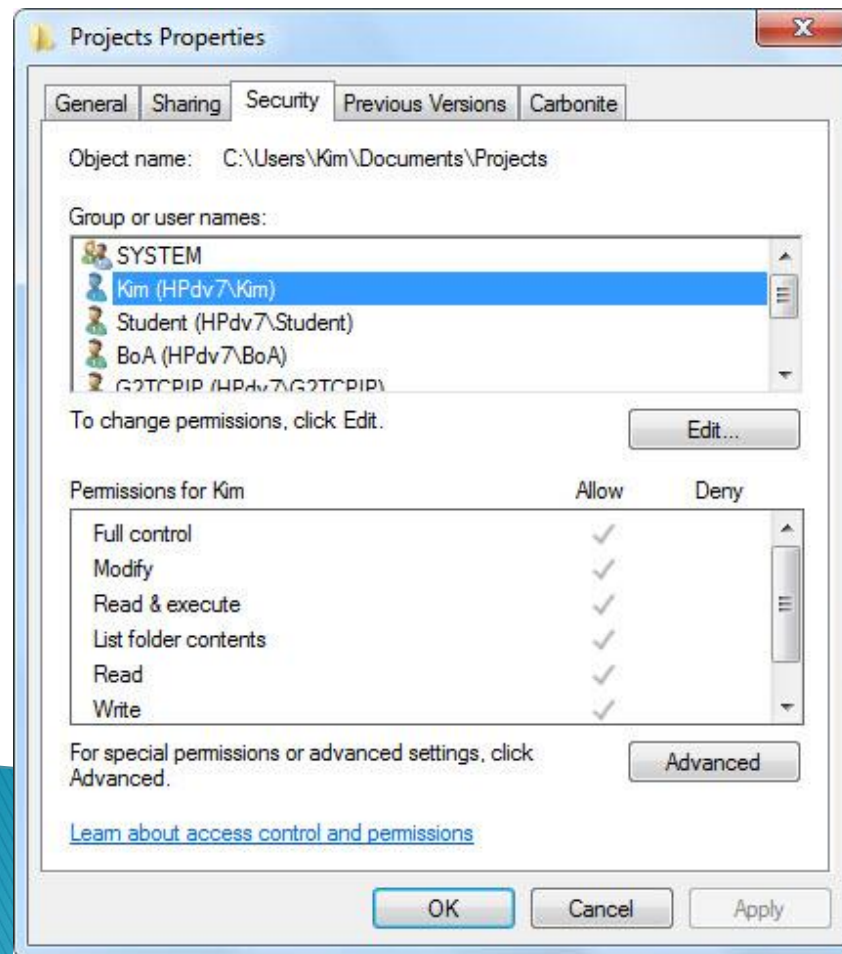
Setting Up an Advanced Share

Permission Level	Description
Full control	Allows users to view and change files and folders, to create new files and folders, and to run programs in a folder.
Modify	Allows users to change files and folders but they cannot create new ones.
Read & execute	Allows users to view the contents of files and folders and to run programs in a folder.
Read	Allows users to view the contents of a folder and to open files and folders.
Write	Allows users to create new files and folders and to change files and folders.

Changing a Folder's Permissions

Share Permissions & Effective Permissions

Granted to a user or group based on the permissions granted through group membership and any permissions inherited from the parent object
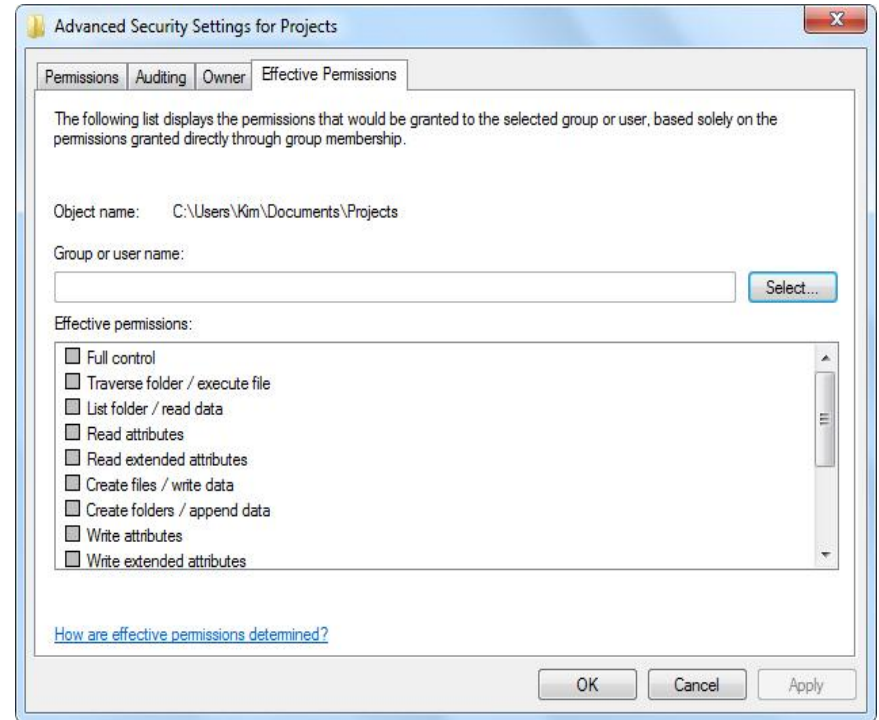
Printer Sharing: Advanced Sharing Settings

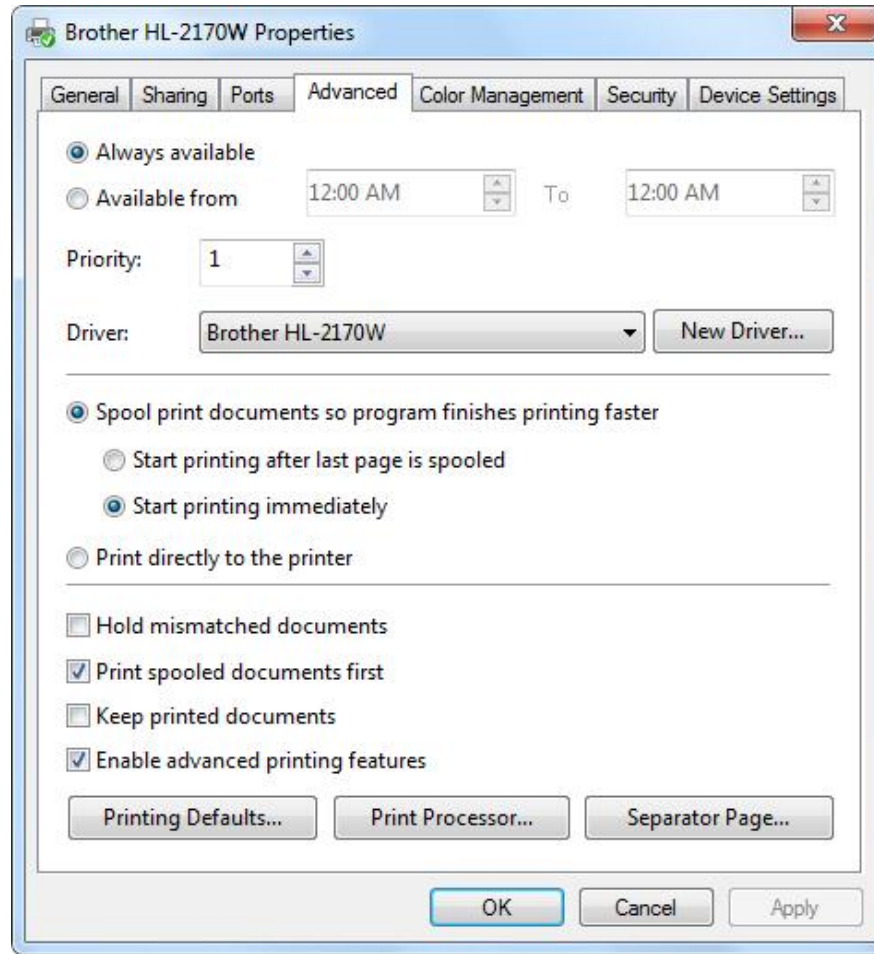# Devices and Printers

Device Stage

A Printer's Properties Dialog Box
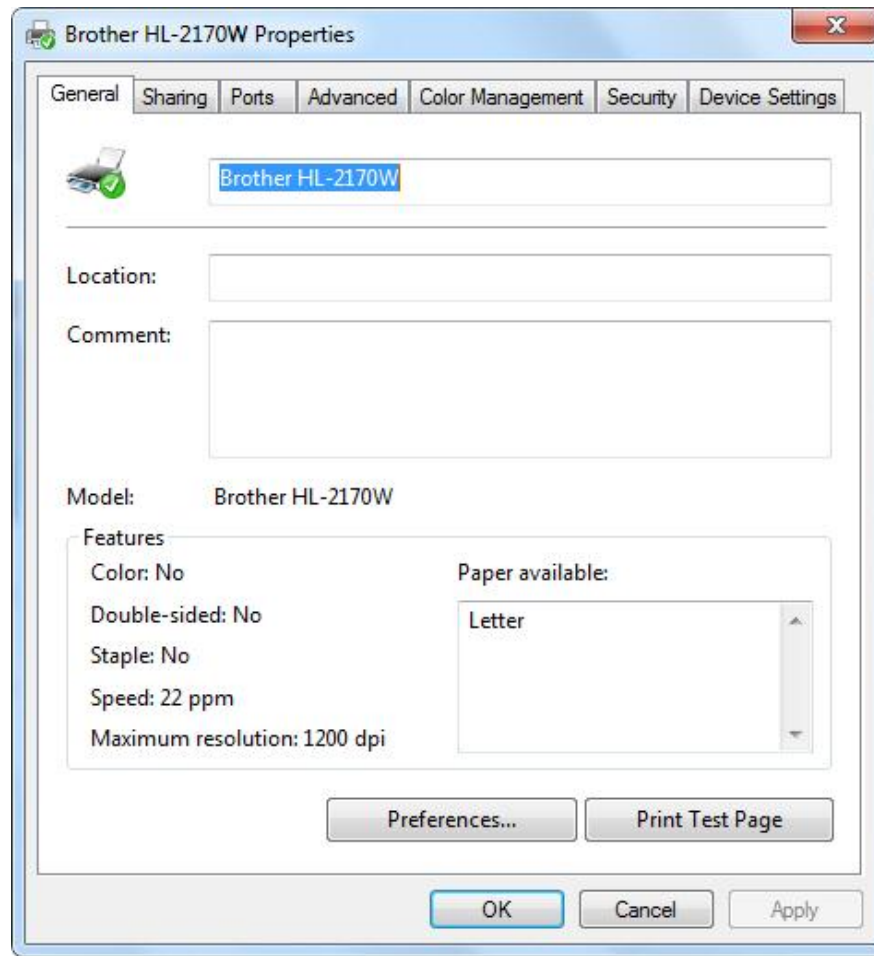
The Sharing Tab
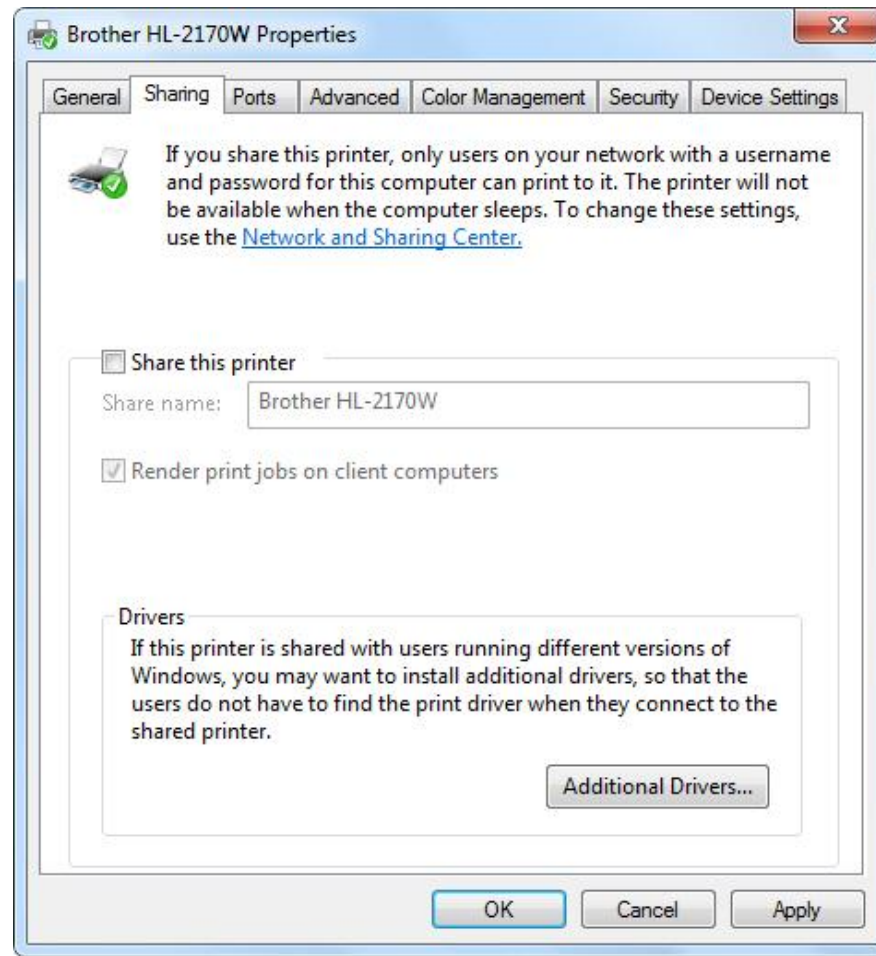
The Advanced Tab

Updating a Printer Driver