



Passerelles numériques

A Gateway for Life

OS & Maintenance

Chapter 5 – Device Drivers

Objective



After finished this lesson students will be able:

Introduction

- ✓ Understand driver after install OS
- ✓ Understand meaning of driver

Method to get driver

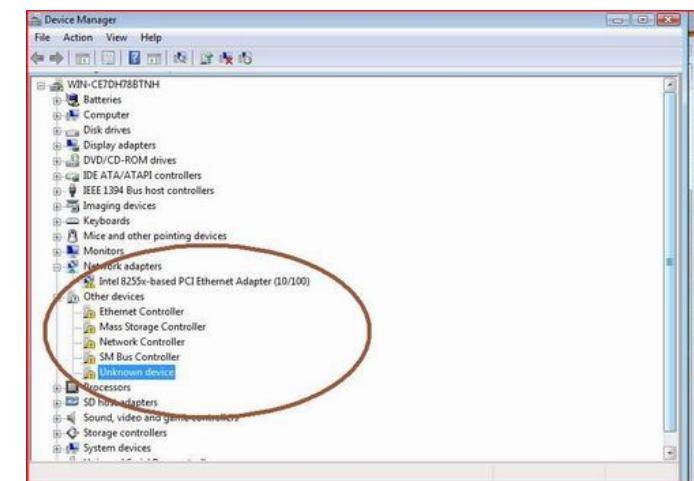
- ✓ Understand how to get resource of driver
- ✓ Understand how to check location of driver

Driver Installation

- ✓ Understand method to install driver
- ✓ Understand how to make sure driver installed

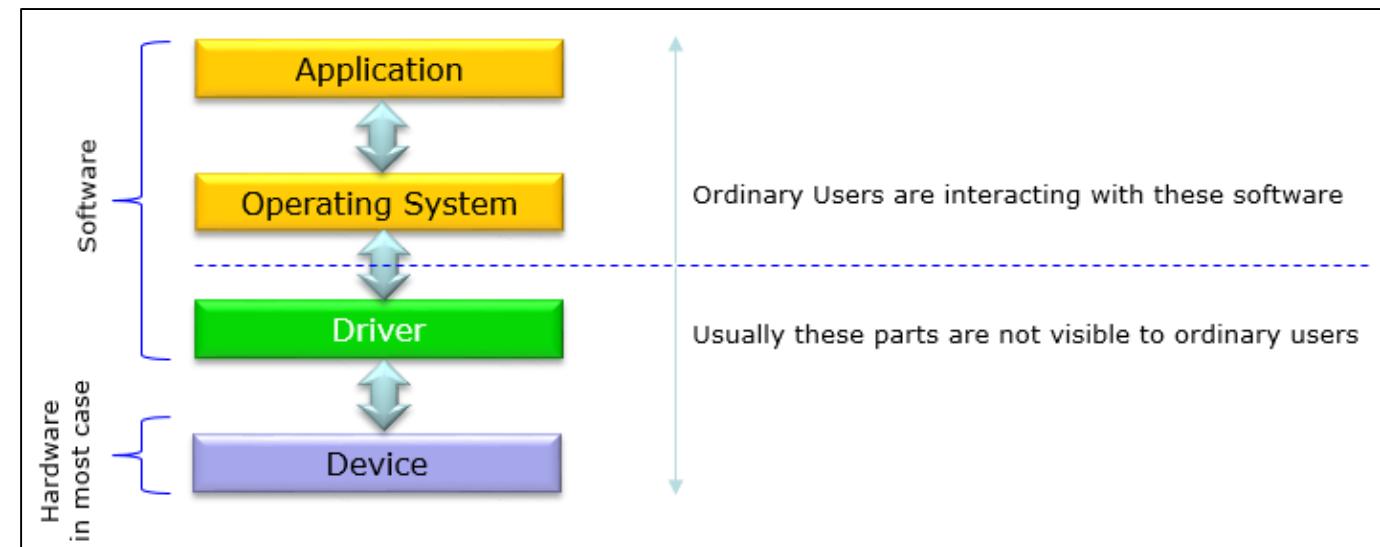
Introduction

- After OS installation is completed, there can still be devices not working. Sometimes you cannot access the network, print documents, do your daily tasks and work for your specific needs ...
- If you want your computer run smoothly and be useful for you, you need to check driver on your computer.

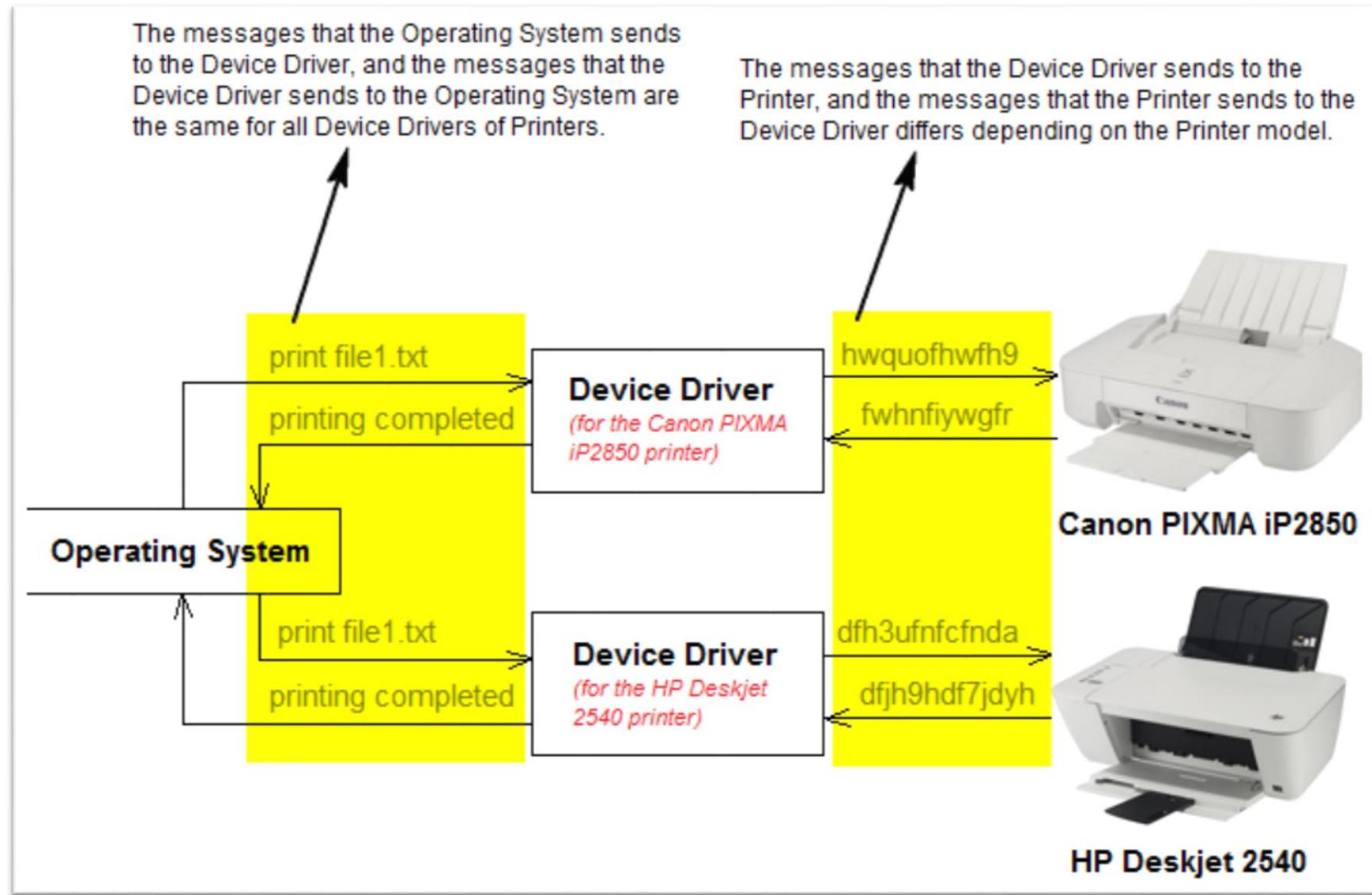


The Meaning of Driver

- Drivers are files that enable one or more hardware devices to communicate with the computer's Operating System.
 - For [Linux OS](#) all open-source Device Drivers are already part of the OS.
 - For [Windows OS](#) many Device Drivers are already part of the OS, but some are still missing. You can see missing Device Drivers in [Device Manager](#).



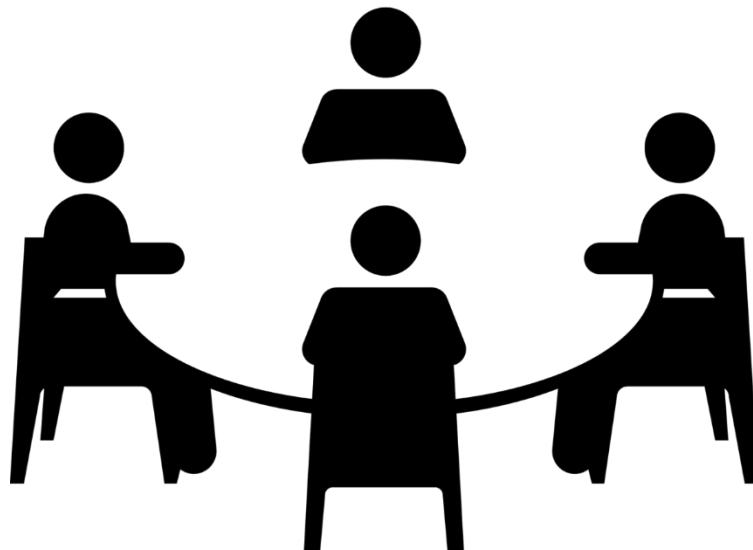
The Meaning of Driver



Activity #1

Activity Team work

- Divide students to work with group
- Let all the student work with group, and discuss how to get resource of driver.



How to get resource of driver

- **The method to get resource of driver**
 - ✓ CD/DVD driver
 - ✓ Download driver from manufacturer's website



Screenshot of the Lenovo support website showing driver downloads for the ThinkPad Edge E431.

The page title is "Edge E431 (ThinkPad)". The operating system listed is "Windows 10 (64-bit)".

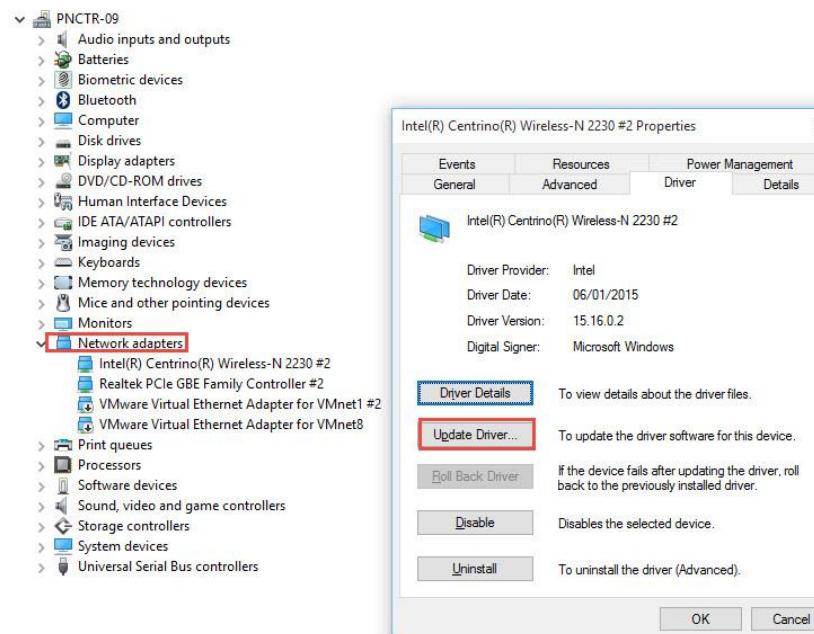
The "Drivers & Software" tab is selected in the navigation bar.

Available drivers:

Type	Name	Description	Size	Checksum	Readme	Last Update	Action
Software and Utilities	Hotkey Features Integration for Windows 10 (32-bit, 64-bit)	Recommended	25.9 MB	Checksum	Readme	4/3/2017	+ Add Download
Diagnostic	Lenovo Solution Center for Windows 10 / 8.1 / 8 / 7 (32-bit) - Desktops, Notebooks, Workstations	Optional	57.9 MB	Checksum	Readme	34.003	+ Add Download
Diagnostic	Lenovo Solution Center for Windows 10 / 8.1 / 8 / 7 (64-bit) - Desktops, Notebooks, Workstations	Recommended	65.8 MB	Checksum	Readme	34.003	+ Add Download
Diagnostic	LSC Lite for Windows 10 (64-bit), 8.1 (64-bit), 8 (64-bit), 7 (64-bit), 2003 Advanced Server (64-bit) and 2008 Advanced Server (64-bit) -	Optional	32.5 MB	Checksum	Readme	v4171	+ Add Download

How to get resource of driver

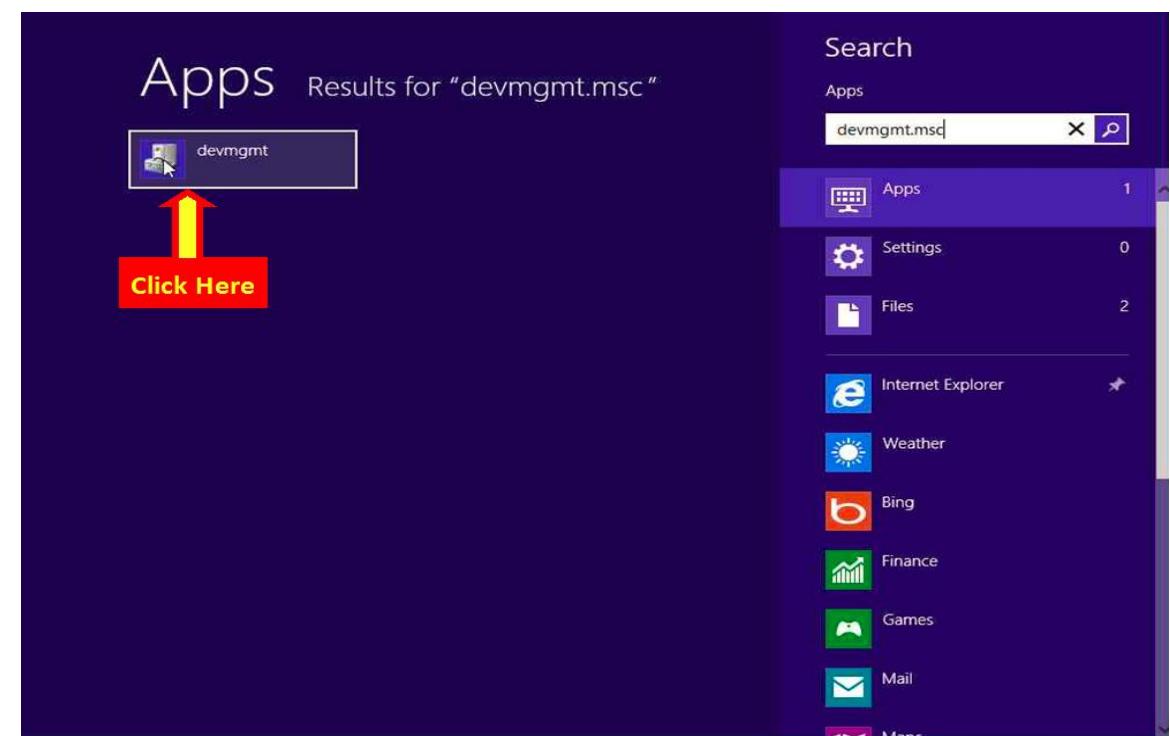
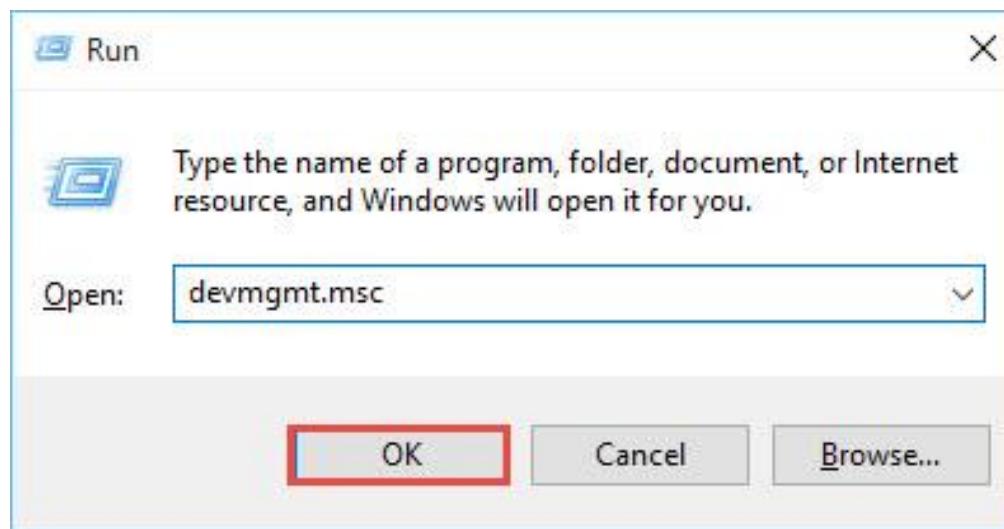
- **The method to get resource of driver**
 - ✓ Software driver crack (driver pack solution)
 - ✓ Update driver from your computer



Check Location of Driver

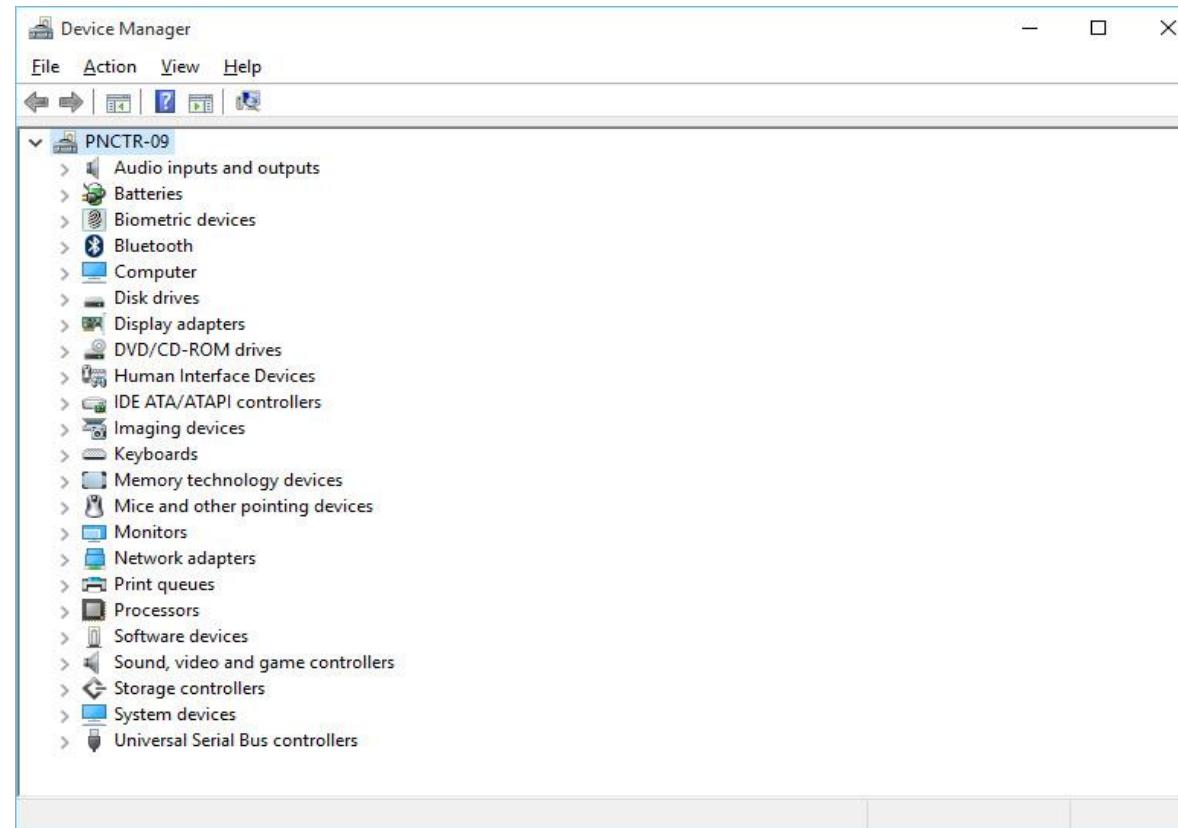
Device Manager is a [Control Panel](#) in [Microsoft Windows](#) operating systems. It allows users to view and control the hardware attached to the computer.

Access Device Manager: RUN → devmgmt.msc



Check Location of Driver

- All the driver display on device manager



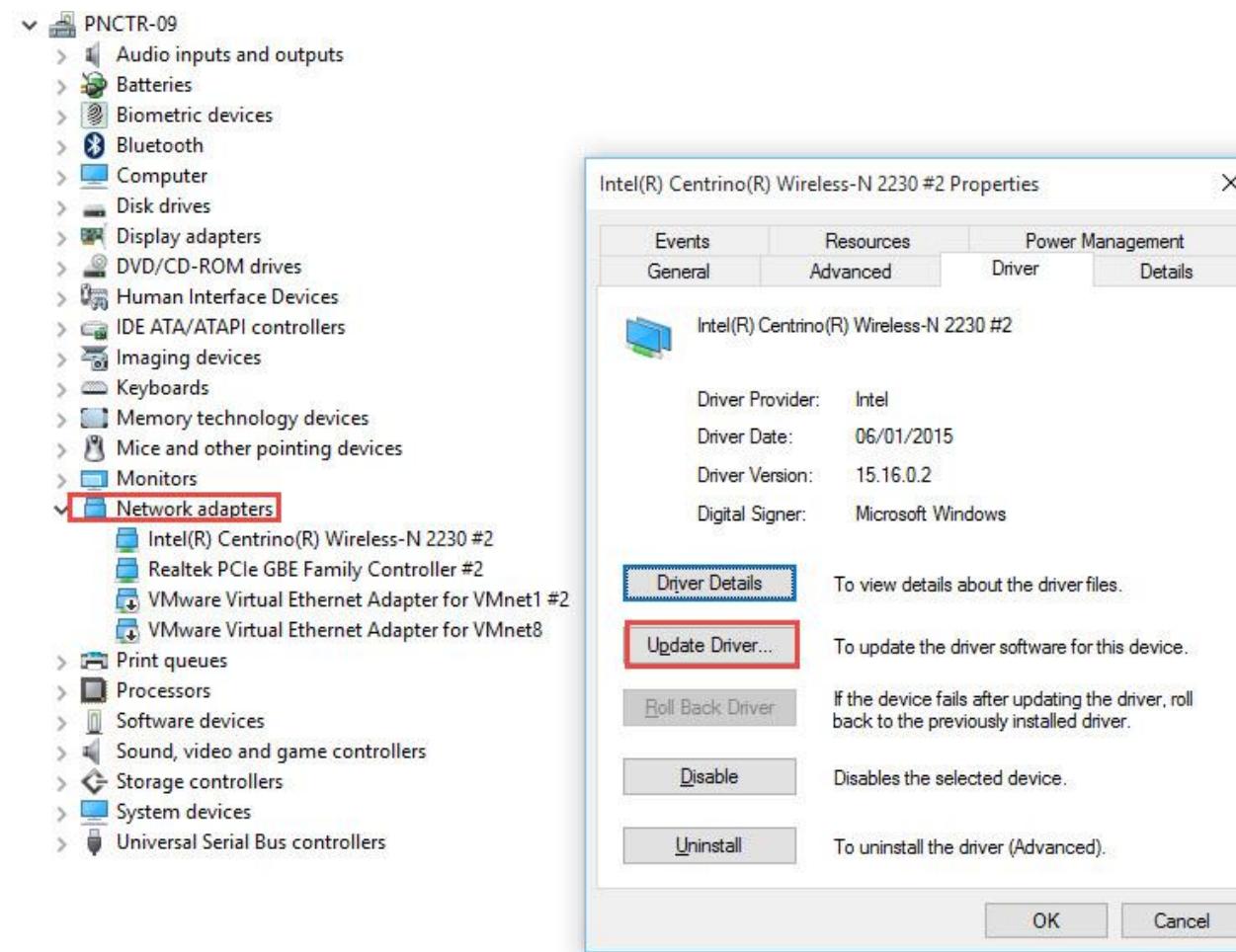
Method Driver Installation

1. Install driver by using update on device manager:

- In the Device Manager, click on the device you want to update.
- Right-click the device and click **Properties**.
- In the Properties window, click the **Driver** tab.
- Click the **Update Driver** button.

Method Driver Installation

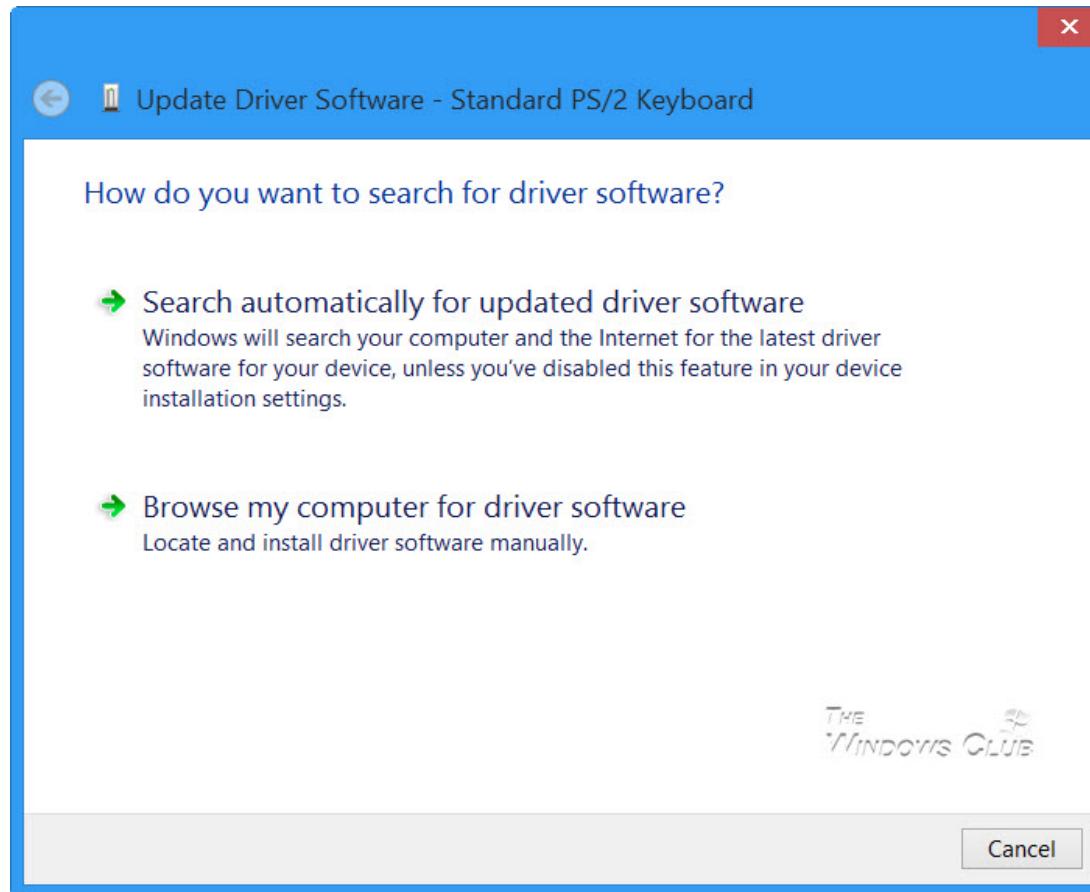
Right click on option that you want to update



Method Driver Installation



Choose option for update



Method Driver Installation

Activity #2

2. Install driver by using driver pack solution



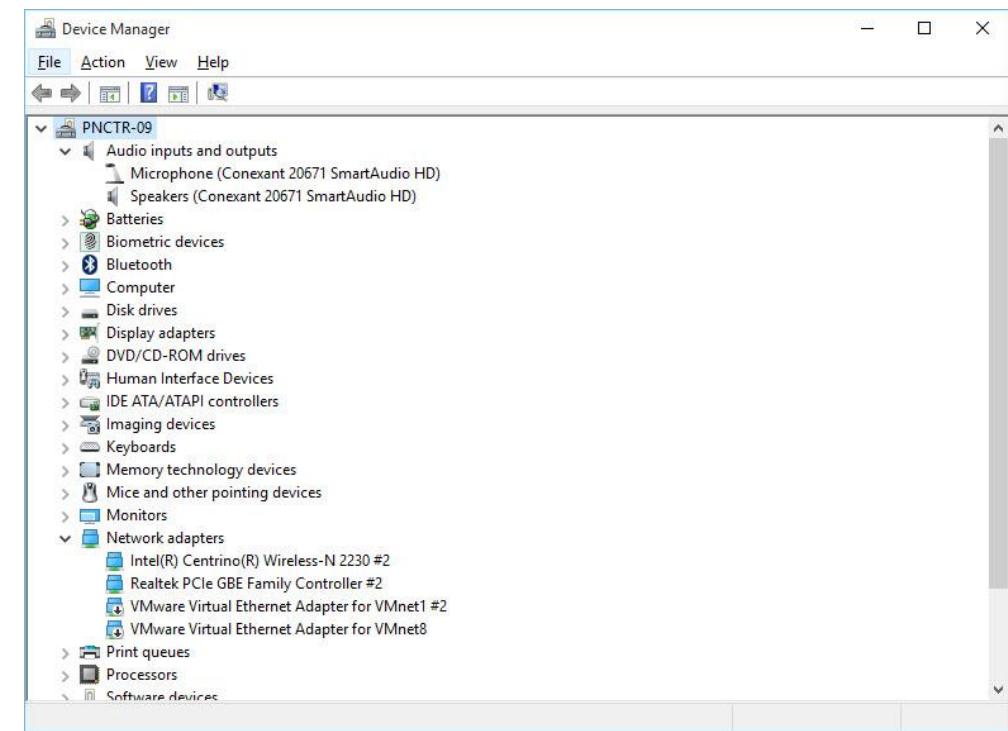
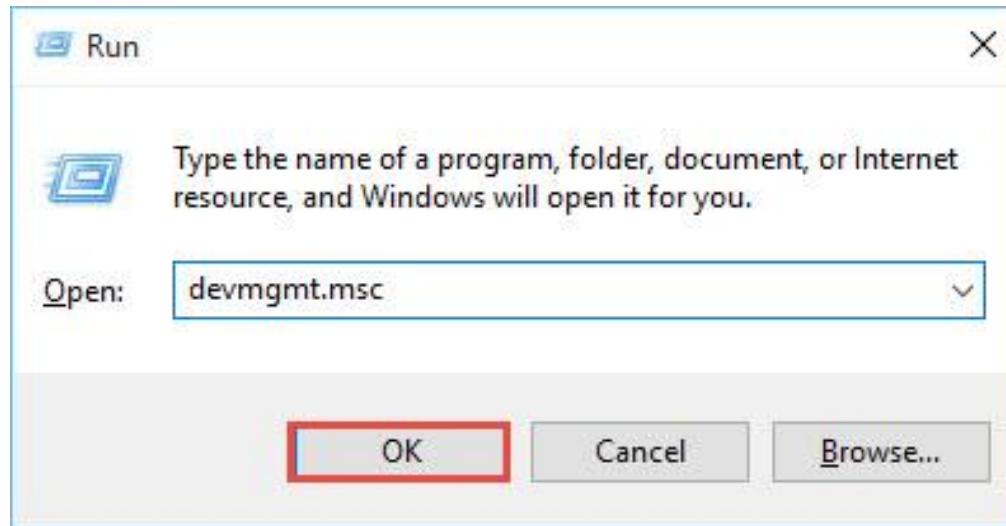
Method Driver Installation

3. Install driver by download driver from manufacturer website

- ✓ Step 1: you need the model number for your laptop
- ✓ Step 2: identify the hardware manufacturer and find their support website online
- ✓ Step 3: go to the hardware manufacturer's site and download section
- ✓ Step 4: search the download section for the correct driver that you need
- ✓ Step 5: download the needed driver

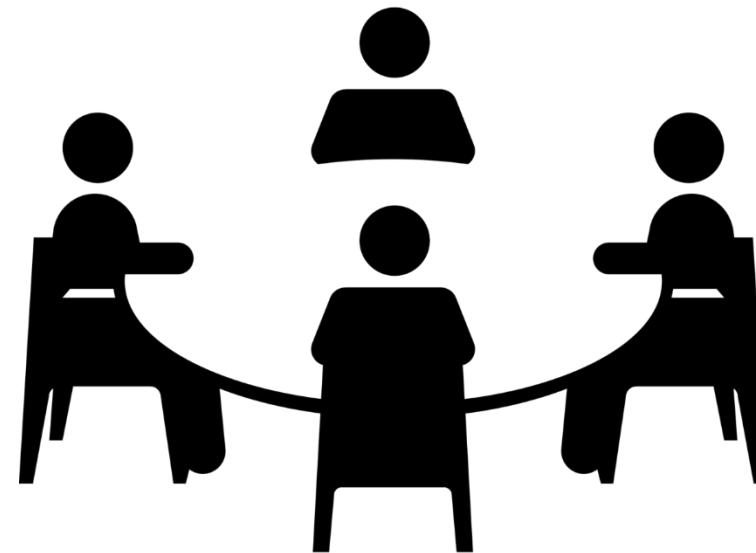
How to make sure driver installed

- All the driver, if you're want to make sure that installed or not you can verify on the device manager. By **run → devmgmt.msc**, and you check all the device and all components.



Practice

- Divide students into 5 groups
- Request computer 5 for practice in real work
- Give the students install driver on computer



ANY QUESTION

