

MODULE IN TLE 9 (COMPUTER SYSTEM SERVICING)
First Grading / Week 3 / Day 3

Name of Student: _____

Name of Teacher: _____

Grade and Section: _____


Objectives

Prepare customized installers in accordance with software utilization guide and end user agreement

- Change the boot order in BIOS.
- Select the medium to boot from the computer
- Boot computer with the bootable USB device



Lesson: Boot Computer from a Bootable USB Device



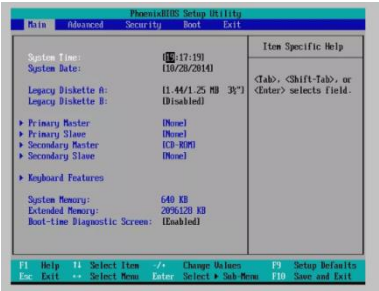
So, we created and prepared a bootable USB device installer for windows operating system. The next step is to select the medium to boot from the computer. Here is how to change the boot order of your computer in BIOS Setting.

Before installing the new operating system, the computer needs to be configured first to boot from bootable flash drive or USB device. This can be done by accessing the BIOS. The BIOS stands for Basic Input/output System. It is an electronic set of instructions that a computer uses to successfully start-up the computer.

How to Boot from a USB Device

Follow these easy steps to boot from a flash drive, an external hard drive, or some other bootable USB device:

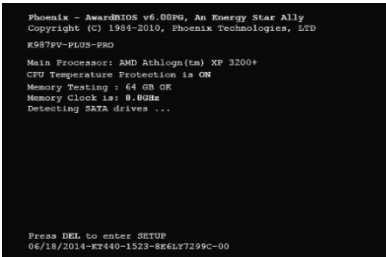
1. Turn on your computer and press Del or F2 to enter SETUP.
Press this key as soon as you see the message.



2. Open the BIOS Setup Utility

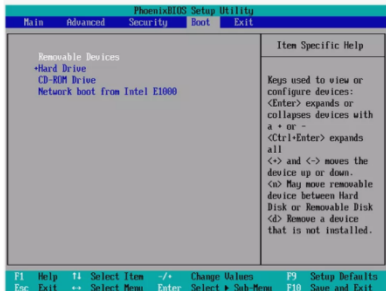
After pressing the correct keyboard command from the previous step, you will enter the BIOS Setup Utility.

NOTE: The BIOS screen may vary depending on the specifications of the computer.



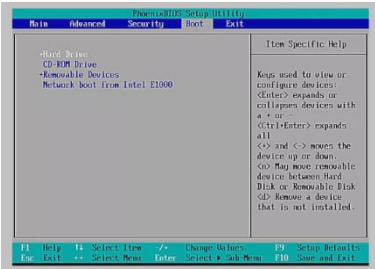
3. Locate and navigate to the boot order options in BIOS.

To change which device to boot from first, follow the directions on the BIOS setup utility screen to change the boot order. In this example, the boot order can be changed using the + and - keys.



4. Change the boot order from Hard Drive to USB device.

Make changes to the boot order. As you can see, it changed the boot order from Hard Drive to the USB device as an example. Most computer BIOS lists the USB boot option as **USB** or **Removable Devices**.



NOTE: After setting your USB device as the first boot device, your computer will check it for boot information each time your computer starts.

5. Attach the USB device to your computer via any available USB port.

NOTE: make sure that the USB device is bootable. USB device is any removable device such as flash drive or external hard drive.

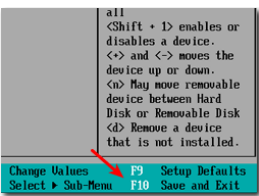
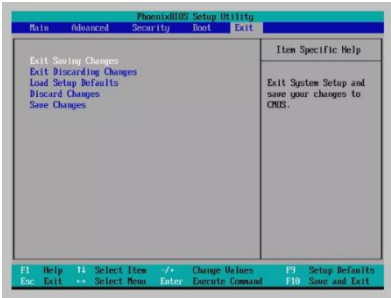


REFERENCES FOR FURTHER ENHANCEMENT

- Internet: <https://www.lifewire.com/how-to-boot-from-a-usb-device-2626091>
- YouTube: <https://www.youtube.com/watch?v=V95s-vxZL3k>

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6. Save the BIOS and Exit.

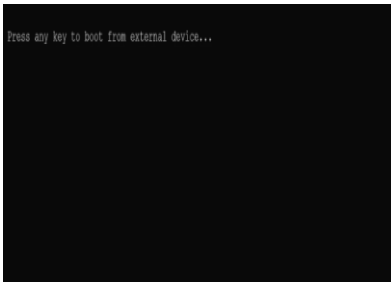
Before the changes take effect, you will need to save the BIOS changes you made.

To save the boot order changes, press F10 key to save and exit the BIOS Setup Utility.

7. Restart the computer with the new boot order.

Watch for a Press any key to boot from external device message

On some bootable devices, you may be prompted with a message to press a key before the computer will boot from the flash drive or another USB device.



8. Operating System installation begins.

When your computer restarts, your computer should now boot from the USB device and is now ready to install Windows Operating System on your computer.

NOTE: What happens now depends on what the bootable USB device was intended for. If you're booting from Windows 10, Windows 8, or Windows 7 installation files on a flash drive, the operating system setup will begin.

On many computers, the hard drive is listed as the first item in the boot order. Since the hard drive is always a bootable device, you'll have to change the boot order if you want to boot from a flash drive or optical drive.



WHAT TO PROCESS

EXERCISE 1: TRUE OR FALSE

Directions: On the space provided, write True if the statement is correct, otherwise write False.

- _____ 1. The BIOS can be accessed by pressing F5 on the keyboard.
- _____ 2. The BIOS must be configured first to boot from a bootable flash drive before installing the operating system.
- _____ 3. Press F10 to save and exit BIOS setup utility.
- _____ 4. The BIOS stands for Basic Information/Output System.
- _____ 5. To change the boot order, use the + and - keys.

EXERCISE 2: ENUMERATE

Directions: List eight (8) steps on how to boot from a USB device.

1. _____

2. _____

3. _____

4. _____
5. _____

6. _____

7. _____

8. _____

EXERCISE 3: ESSAY

Directions: Do what is asked.

1. How to Change the Boot Order in BIOS? _____

2. Why is it important to change the boot order setting in BIOS before installation of operating system? _____

THINGS TO REMEMBER!

Boot Computer from a Bootable USB Device

- 1. Before installing the new operating system, the computer needs to be configured first to boot from bootable flash drive or USB device.
- 1. The BIOS stands for Basic Input/Output System. It is an electronic set of instructions that a computer uses to successfully start-up the computer.
- 2. Make sure that the USB device is bootable. USB device is any removable device such as flash drive or external hard drive



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EVALUATION: SEQUENCING

Directions: Arrange the following steps in chronological order. Use numbers to indicate their order of precedence. Write your answers before each number.

- _____ a. Save the BIOS and Exit.
- _____ b. Restart the computer with the new boot order
- _____ c. Locate and navigate to the boot order options in BIOS
- _____ d. Turn on your computer and press Del or F2 to enter SETUP.
- _____ e. Attach the USB device to your computer via any available USB port
- _____ f. Change the boot order from Hard Drive to USB device.
- _____ g. Operating System installation begins.
- _____ h. Open the BIOS Setup Utility

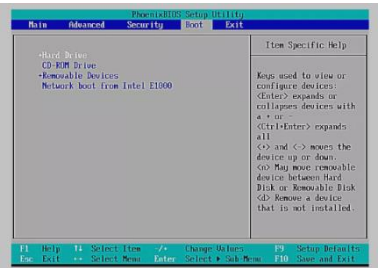
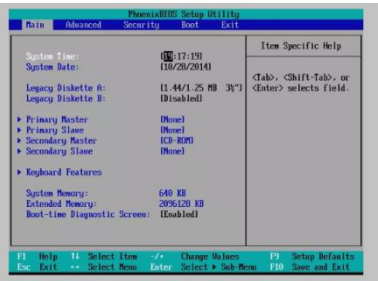
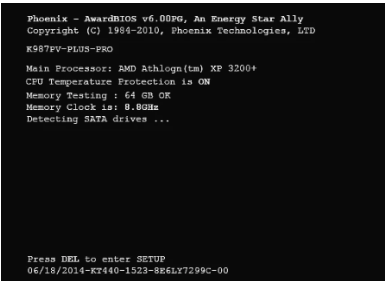
IDENTIFICATION

Directions: To change the boot order in BIOS, you need to follow certain procedures in changing the boot order to USB device or flash drive. You must identify the steps of the following pictures below.

1. _____

2. _____

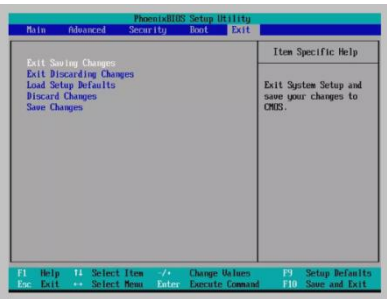
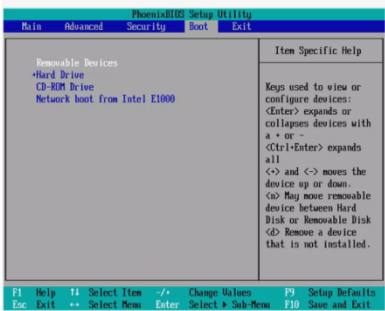
3. _____



4. _____

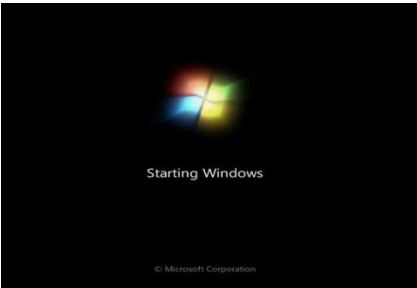
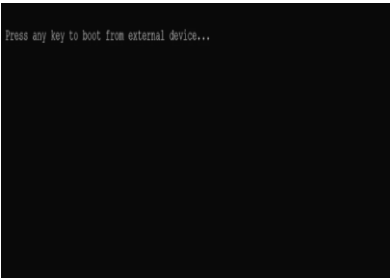
5. _____

6. _____



7. _____

8. _____



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