MZUMBE UNIVERSITY

FACULTY OF SCIENCE AND TECHNOLOGY

(FST)

PROGRAMME: DIPLOMA IN INFORMATION TECHNOLOGY

COURSE NAME: MAINTAINING COMPUTER SYSTEMS

COURSE CODE: CSS 062

KIND OF TASK: GROUP ASSIGNMENT.

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On the laptop that we got in our group, the problem was when any update is done in the laptop so that if there is any software, they are running out of date must be in up to date. But when there is updating is done it gets rejected or nothing changes.

There are some devices that we will use to solve the problem that is in front of us that has hit the laptop as follows

> ➢ USB device.
> ➢ Ethernet wire.

Through those devices we mentioned, they will help us solve that problem. The following are the ways to solve the issue that is at our hand. The main thing to do is to install Windows 10 Pro. When installing this new window on the laptop, there are steps that need to be followed in order, which are as follows.

WINDOW OPERATING SYSTEM INSTALLATION

First thing before performing this installation is to check the system specification of the computer into which the installation is to be done. There should be at least 1 gigabytes of RAM and 12 gigabytes or more of free space in the hard disk drive.

After meeting the right system requirements of Windows OS, we choose the installation method. There are several ways to install Windows OS into a computer which are:

> ➢ From a boot-able CD/DVD
> ➢ From a bootable flash drive

Step 1: Gather Necessary Materials

- *Windows Installation Media*:

You need a USB drive with the Windows installation files. You can download the ISO file from the official Microsoft website and use a tool like Rufus to create a bootable USB drive.

- **Product Key:**

The product key is a 25-character code that comes with your Windows purchase. It is used to activate your copy of Windows during the installation process and it's not necessary if you have not a product key there are option to skip another step if have not a product key.

- **Backup:**

Back up important data to an external drive or cloud service. This ensures that you don't lose any critical information during the installation process.

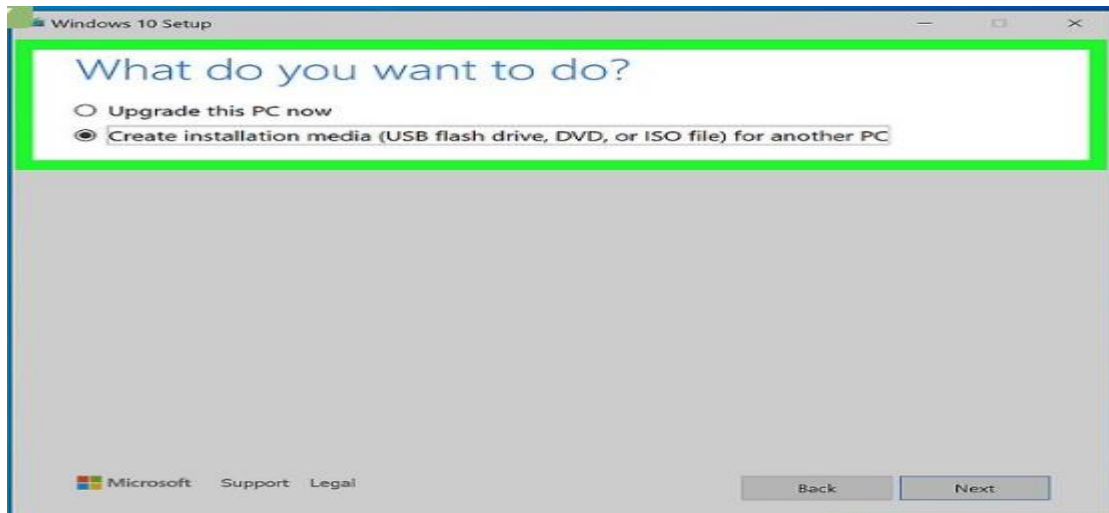**Step 2: Turn ON your PC and Press 'F2′ Continuously.**

There will come up and option to boot through CD/DVD. Select that option. Windows will start loading its files.

Step 3: Insert Installation Media

Insert the USB drive into the corresponding port on your computer.
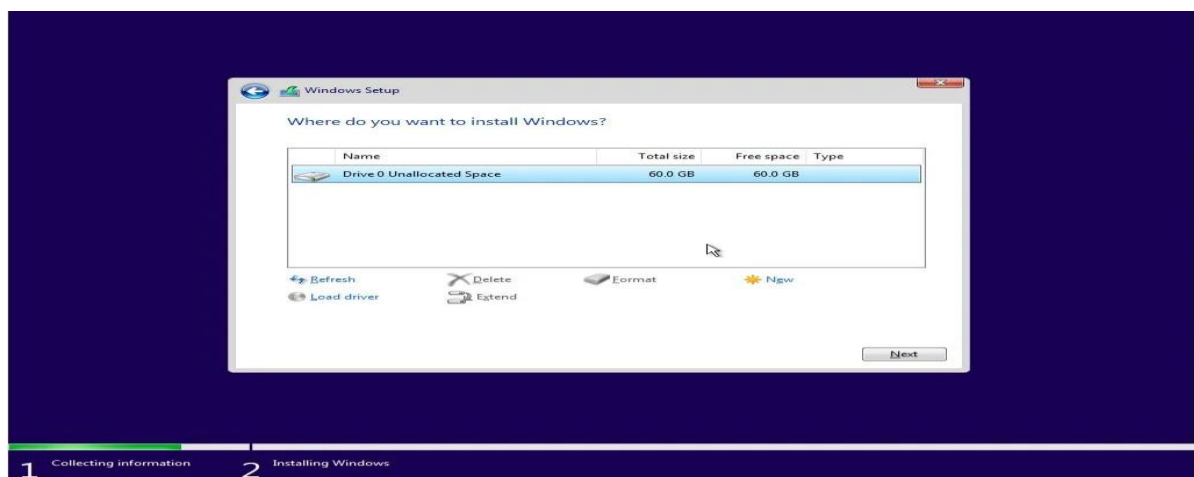
Step 4: Boot from Installation Media

Restart your computer and access the BIOS (Basic Input/Output System) settings by pressing the designated key during the startup process (common keys include *F2, F12, Del, or Esc*).In the BIOS settings, locate the boot order configuration and set the USB drive as the primary boot device.

Step 5: Start Windows Installation

Save the changes in the BIOS (Basic Input/Output System) settings and restart your computer.

The system should now boot from the installation media, and the Windows installation process will begin.

Step 6: Choose Language and Other Preferences

Select your preferred language, time zone, keyboard input, and other regional settings but most of them use the English for either USA or Britain.
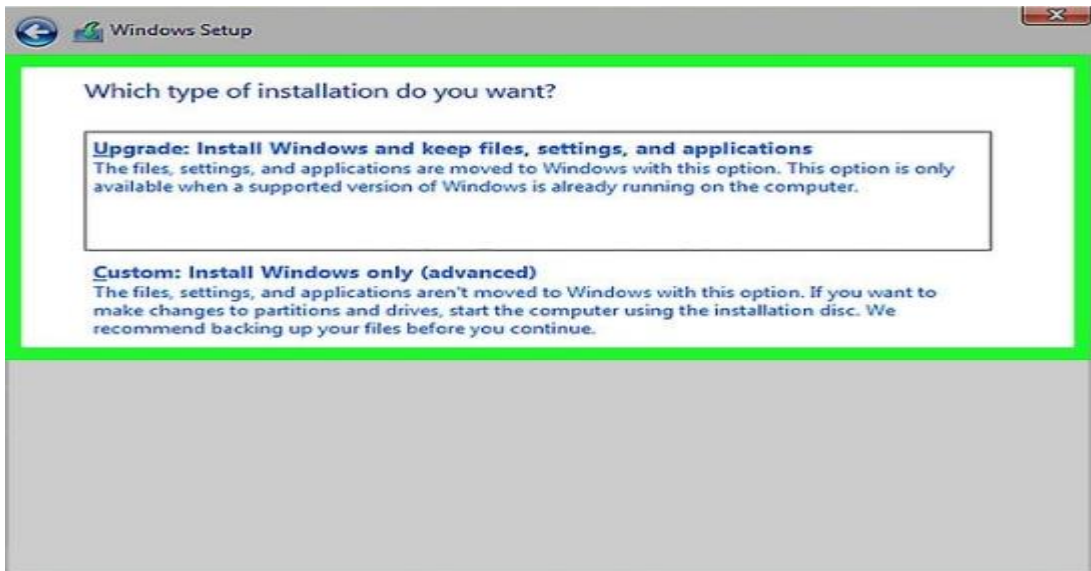

Step 7: Enter Product Key

Enter the 25-character product key when prompted. This key is usually found on the packaging or in the confirmation email if you purchased Windows digitally.
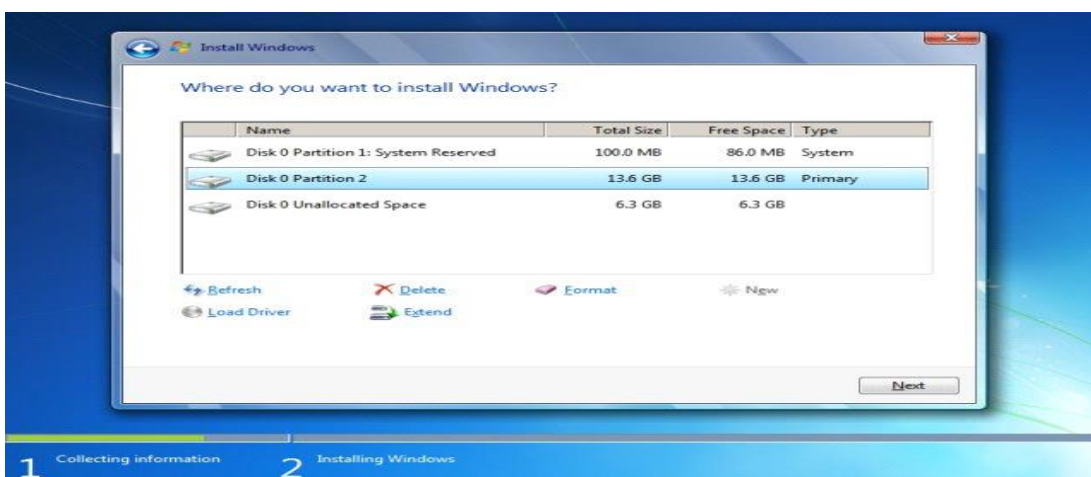
Step 8: Select Installation Type

Choose between a clean install (if you want to remove the existing operating system) or an upgrade (if you are installing a newer version of Windows over an older one).
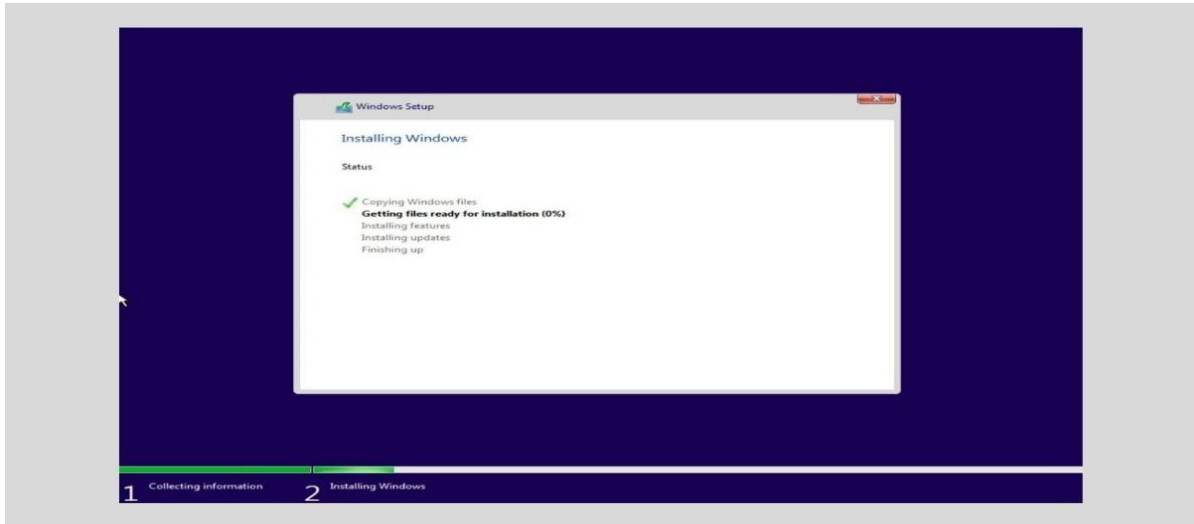

Step 9: Partition and Format Drives

If you are performing a clean install, you will need to partition your hard drive. You can usually choose the default options for a standard setup. Formatting will prepare the drive for the installation of Windows. When you have created the drives, Simply Select the drive in which you want to install windows. Click 'Format', this will erase all the previous data on you that drive. Click on 'NEXT' to proceed or you may just click NEXT to replace the installed OS and keep you're your personal data.

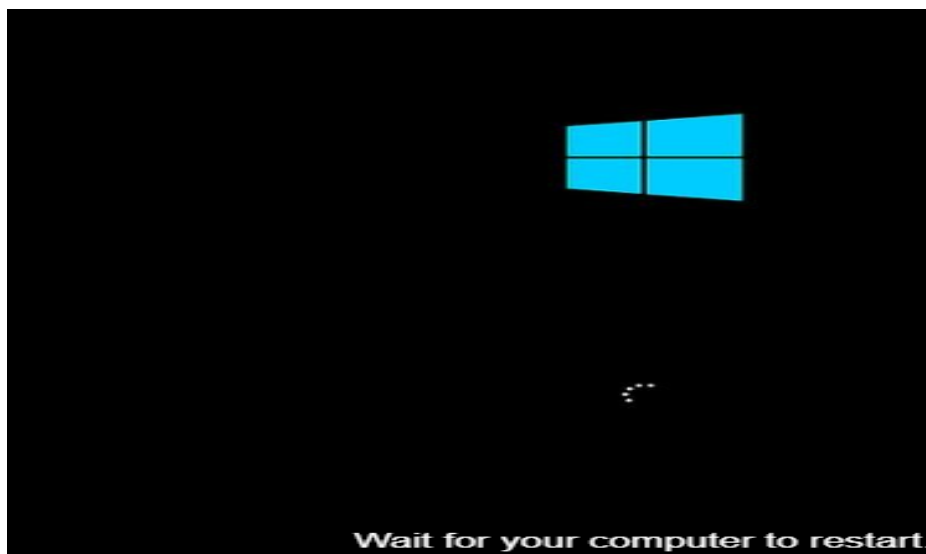Install window

Step 10: Begin Installation

Now your windows will start installing its files. Grab a cup of coffee and wait for a few minutes while it installs. During this process don't plug in or off your device. It might cause interruption and you might lose your data and have to begin the process all over again.

Window Installation progress

Step 11: Wait for Installation to Complete

The installation process may take some time, and your computer may restart several times. Be patient and let the system complete the setup and make sure your computer have charge

Wait for computer to restart

Step 12: Set Up Windows

Follow on-screen instructions to customize settings such as creating a user account, setting a password, and naming your computer.

Step 13: Install Drivers and Updates

After Windows is installed, check the device manager for any missing drivers. Install drivers for your hardware components, such as graphics cards, network adapters, and peripherals.

Step 14: Install Software and Restore Data

Install additional software you need and restore your backed-up data to the computer. The software includes VLC, Microsoft office, web browser like chrome, Firefox and other software.

Step 15: Activate Windows

Ensure that Windows is activated using the product key. You can do this through the settings menu.

Step 16: Update Windows

After installation, check for and install any available Windows updates to ensure your system is up to date and secure.

By following these detailed steps, you should be able to successfully install Windows on your desktop PC. Keep in mind that the exact steps may vary slightly depending on the version of Windows you are installing.

The following information describes or shows the type of device or laptop that we have;

- Device name   : DESKTOP-85C3VQ3.
- Processor   : Intel(R) Core (TM) i5-4300M CPU @2.60GHz.
- System type   : 64-bit operating system, x64-based processor.
- Storage   : 463 GB.
- Generation   : Fourth generation.

REFERENCES

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2.Lowe, D., & Mueller, S. (2019)…………. Networking for Dummies……… For Dummies

3.Hallberg, J. (2017)…………Window Server 2016 Hyper-V Cookbook………. –Second Edition PacktPublishing