

Processing Of “GET OS” Multiprocessor Platform

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ABSTRACT

The operating system is growing swiftly in the period of information technology. The operating system is software that manages computer attack, can also be regarded as the base of an operation that islands between computer stoners and computer attack. Some operating systems designed for easy, effective in its use, is an important part of the factors of the computer system. The operating system is a collection of programs and data that make the computer work, including managing the attack resources, furnishing service for the operation, and other. Computer (PC or Laptop) main purpose designed to be as flexible as possible, suitable to do different tasks, analogous as editing documents, internet, E-mail, audio- video player, graphic design, game waitpersons, and other calculating bias is specifically called bedded systems analogous as smart bias, network bias, financial bias and other. According to a peer review, there are lots of styles available on the request, but these styles are veritable time- consuming and truly hard. InGet_OS, there are lots of operating system is available on our point. We can install any operating system as per their demand and feasibility of work. Using our tool to install the operating system on the Pen- drive. Now the pen- drive is ready to install the operating system on our PC

Keyword :- Install OS Using Android Phone, Change OS Using Android Phone, Create Bootable Pen Drive Using Android Phone, Install Any OS Using Getos Website, Download Any OS From Get OS

1. INTRODUCTION

Operating System "OS" A program that manages all other application programs in a computer after it is first loaded into the computer by the boot program. Application programs consume the operating system by making service requests through defined application program interfaces (APIs). In addition, users can interact directly with the operating system through user interfaces such as command line interface (CLI) and graphical user interface (GUI). Operating systems bring great benefits to computer software and software development. Without an operating

system, each application would have to have its own user interface and the extensive code necessary to handle all the low-level functionality of the underlying computer (disk storage, network interfaces, etc.). Given the wide availability of underlying hardware, this greatly increases the size of the application and makes software development impractical. Instead, many common tasks, such as sending network packets or displaying text to a standard output device such as a display, can be offloaded to system software, which acts as an intermediary between applications and hardware. System software provides a consistent and repeatable way for applications to interact with hardware without the application knowing the details of the hardware. This system software (operating system) can accommodate almost any number of applications, as long as each application accesses the same resources and services in the same way. This greatly reduces the time and amount of programming required to develop and debug applications, and allows users to control, configure, and manage system hardware through a common, intuitive interface. Once installed, the operating system relies on an extensive library of device drivers to tailor operating system services to specific hardware environments. Therefore, any application can make common calls to a storage device, but the operating system receives those calls and, using the appropriate driver, directs those calls to the underlying device for that particular computer. Converts to actions (commands) required by the hardware. Operating systems today provide a comprehensive platform for identifying, configuring, and managing a wide variety of hardware, including processors. Storage devices and storage management. Chipset; Storage; Networking; Port communication such as Video Graphics Array (VGA), High-Definition Multimedia Interface (HDMI), Universal Serial Bus (USB). Subsystem interfaces such as Peripheral Component Interconnect Express (PCIe) The operating system provides three important functions:

Provides a user interface via CLI or GUI. Launch and manage application execution. It also identifies and provisions system hardware resources for these applications. Generally, use standardized APIs.

All operating systems require a user interface that allows users and administrators to interact with the operating system to set up, configure, and even troubleshoot the operating system and underlying hardware. There are two main types of user interface available.

Eg: CLIs and GUIs [3].

1.1 DATA LOSS

This site helps you install an operating system on your computer in just a few steps. Most modern laptops and systems don't have CD or DVD pens and require a bootable USB drive to load or install an operating system. There are many tools to create bootable USB drive from ISO line. Some tools can create a single Zilches USB drive, while others are multiboot drive generators. These bootable drives are easy to carry and burn fast

- The computer operation is crashed.
- The tackle motorist is fully removed.
- Stoner can face this problem when OS is crashed.

1.2 BOOTABLE PENDRIVE

A bootable pendrive, also known as a bootable USB drive, is a USB flash drive that has been configured to boot up and run an operating system or utility program directly from the drive, without the need for an internal hard drive.

Creating a bootable pendrive involves a few steps, depending on the operating system you want to install or the utility program you want to run. Here are some general steps you can follow:

Insert the USB flash drive into a USB port on your computer.

Backup any data on the USB flash drive, as it will be erased during the process of creating a bootable drive.

Download and install a bootable USB drive creation tool, such as Rufus or UNetbootin.

Run the bootable USB creation tool and select the operating system or utility program you want to install or run from the USB drive.

Follow the on-screen instructions to create the bootable USB drive.

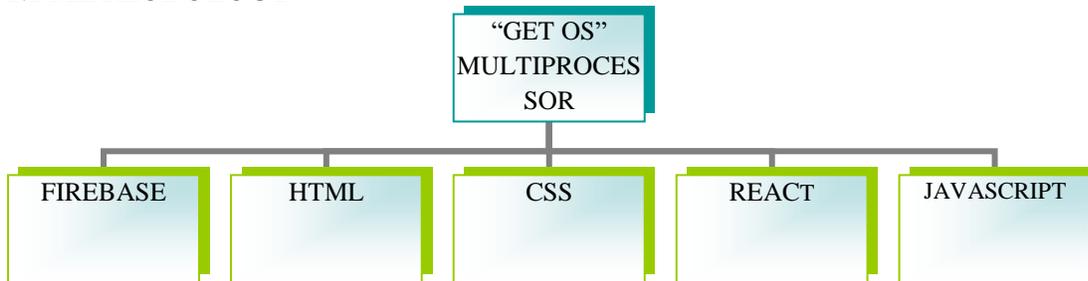
Once the process is complete, restart your computer and enter the BIOS or UEFI settings to change the boot order to prioritize the USB drive.

Save the changes and exit the BIOS or UEFI settings.

Your computer should now boot up from the USB drive.

Note that the specific steps and tools may vary depending on the operating system or utility program you want to use, so be sure to follow the instructions provided by the software or operating system vendor.

2.1 METHODOLOGY



GOOGLE DRIVE

- Google Drive is a cloud-based storage service that allows you to save files online and access them anywhere from any smartphone, tablet, or computer.
- You can use Drive on your computer or mobile device to securely upload files and edit them online. Drive also makes it easy for others to edit and collaborate on files.
- **HTML**
- The HyperText Markup Language or HTML is the standard language for documents designed to be displayed in a web browser. HTML (Hypertext Markup Language) is a text-based approach to describing how content contained within an HTML document is structured. This language tells a web browser how to display text, images and other forms of multimedia on a webpage.
- HTML is a formal recommendation by the World Wide Web Consortium (W3C) and is generally used by all major web browsers, including both desktop and mobile web browsers. HTML5 is the latest interpretation of the specification. To keep the language separate from the factual content of the HTML document, there's a special, identifying HTML syntax that's used. These special factors are known as HTML markers.
- The markers can contain name-value dyads known as attributes, and a piece of content that's enclosed within a tag is referred to as an HTML element.

CSS

- The purpose of CSS is to make it possible to separate content from presentation, including layout, colors, and sources.
- By specifying the material CSS in a separate .css file, which reduces complexity and repetition in the structural content, this separation can improve readability, give further strictness and control in the specification of presentation characteristics, enable multiple web browsers to partake in formatting, and enable the .css file to be cached to improve browser load speed between the browsers that partake in the file and its formatting.
- The capability to offer the same HTML document in several styles for various presentation ways, including on-screen, in print, by voice (using a speech-enabled browser or screen reader), and on Braille-enabled tactile devices, is also made possible by the separation of formatting and content. also CSS

REACT

- The main idea of ReactJS is to develop user interfaces (UI) that improves the speed of the apps. It uses virtual DOM (JavaScript object), which improves the performance of the app.
- The JavaScript virtual DOM is faster than the regular DOM. We can use ReactJS on the client and server-side as well as with other frameworks.

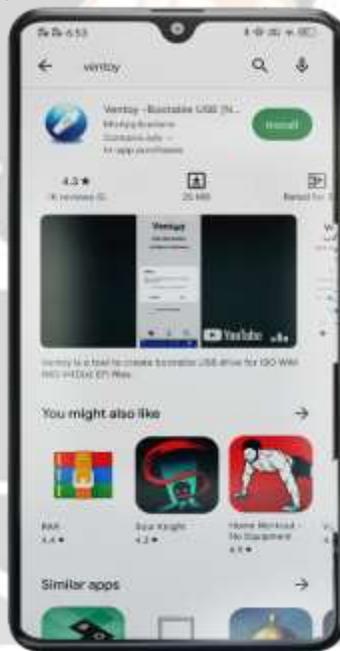
- It uses element and data patterns that ameliorate readability and helps to maintain larger apps.

JAVASCRIPT

- JavaScript(js) is a light- weight object- acquainted programming language which is used by several websites for scripting the webpages. It's an interpreted, full- fledged programming language that enables dynamic interactivity on websites when applied to an HTML document.
- With JavaScript, druggies can make ultramodern web operations to interact directly without reloading the runner every time. The traditional website uses js to give several forms of interactivity andsimplicity
- JavaScript has no connectivity with Java programming language. The name was suggested and handed in the times when Java was gaining fashionability in the request. In addition to web cybersurfers, databases similar as CouchDB and MongoDB uses JavaScript as their scripting and query language.

2.2STEPS TO DOWNLOAD

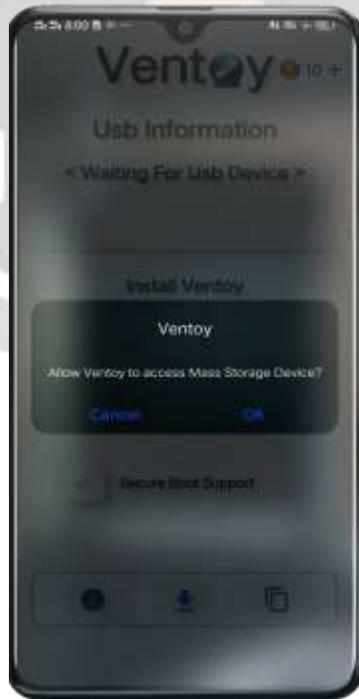
1. Download Ventoy from play store-Download ventoy (play store) OR Get_OS website,After downloading the ventoy application install it in your Android Phone.



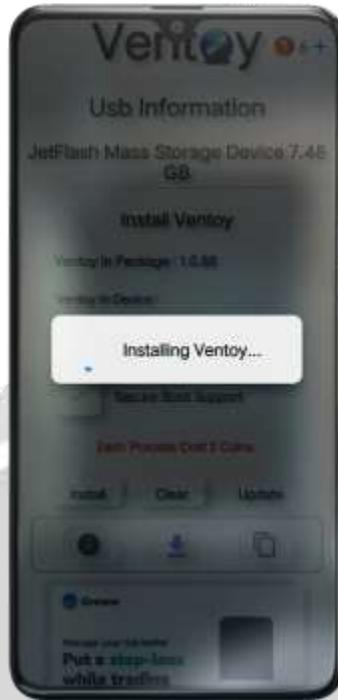
2. Showing the Interface-After Installing ventoy this type of interface will Occur.



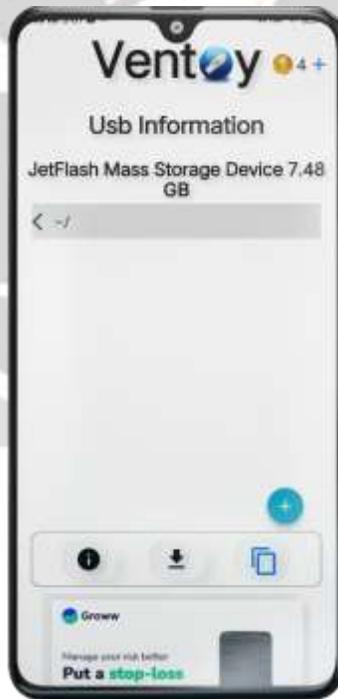
3. Inserting the Pendrive-Insert the pendrive in your Android phone, Then allow access click on to "Give Access"



4. Installing in Pendrive-Install ventoy in your pendrive using "install button"



5. Clicking on Add icon-Click on Add (+) icon and select the downloaded operating system and click on "Ok" button.

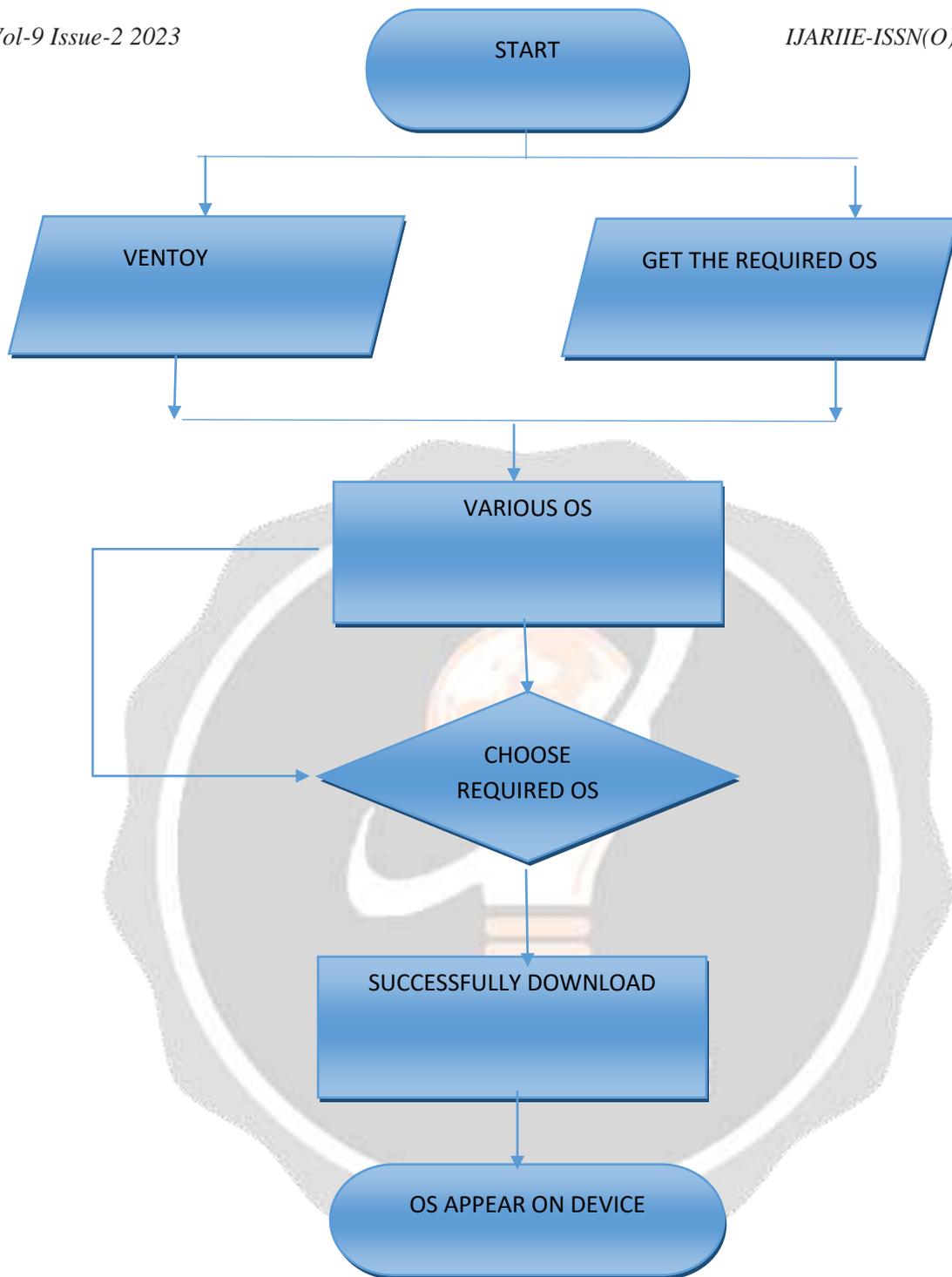


6. Completion of Process-After that the pendrive start booting with operating system, loading "0 to 100%" Now your pendrive is ready to use" (Insert it in your system and get operating system one you desired off)



2.3 PROCEDURE TO SET UP BOOTABLE PENDRIVE USE

1. After creating a USB flash drive, bootable USB, how can I use it as a storage device again?
2. To do this, unload the USB stick. To do this, follow these steps:
3. Press Windows + R at the same time to open Command Prompt. A box named RUN will appear. From there type CMD and press Enter. CMD opens.
4. Type DISKPART at the prompt and press Enter. The diskpart command will start.
5. Type LIST DISK and press Enter. You will see a list of disks with their number, size and free space. Find a suitable disk to make unbootable. Find the disk number of your bootable USB drive (leftmost column of the list).
6. Type SELECT DISK and press Enter. (where N is the disk number, probably 0,1,2, etc.). for example:
7. If the disk number is 1, enter SELECT DISK 1.
8. Type CLEAN and press Enter.
9. Type CREATE PARTITION PRIMARY and press Enter.
10. Type ACTIVE and press Enter.
11. Type FORMAT FS=FAT32 QUICK and press Enter. Wait a few seconds for the formatting process to reach 100%. Type ASSIGN and press Enter.
12. Then type EXIT and press Enter. Type EXIT again and press Enter
13. Please contact me if you have any problems.



3. CONCLUSIONS

These are some steps to install the operating system to the computer using our work.

- The outcome of the project is that user can be installed any operating system as per their requirement and feasibility of work.
- No manual query need to run by user at their end everything is user interface is available in our website.
- Using our “Get OS” Multiprocessor website user can download the required operating system in our Android phone or laptop.
- Now, Connect the Pen-drive to the Phone or laptop and install the downloaded operating system in the pen-drive, using tool Ventoy.

- Now, Plug the pen drive to the Computer or Laptop. The computer automatically installs the operating system.

4.RESULT:- Installation of Operating system successfully executed.

5. REFERENCES

- [1]. Langner Christopher. "Ventoy" Linux Magazine USA on 27 January 2021.
- [2]. I J Tarigan, Embedding the Operating System : a Case study LMDE 3 on a USB Flash Drive, 1st International Conference of SNIKOM, et al 2019 J. Phys. : Conf. Ser. 1361 012025.
- [3]. Using Rufus to Create Windows to go USB Drive 5 March 2015.
- [4]. B. Sivaiah, Boot Multiple Operating System from ISO images using USB disk ,International Conference on Electronics and Communication Systems (ICECS),13-14 February 2018.
- [5]. Yang Lixin, Asymmetric hardware and software integration design based on Multi-core processor, 3rd International Conference on Communication Information system and Computer Engineering (CISCE 2021)

