

Difference Between Linux And Windows

GNU/Linux naming controversy Supporters of the term Linux argue that it is Since the 1990s, there has been ongoing debate over whether operating systems that use the Linux kernel in combination with GNU software should be referred to as Linux or GNU/Linux. systems that use the Linux kernel in combination with GNU software should be referred to as Linux or GNU/Linux

Potential users can freely download Oracle Linux through Oracle's server, or from a variety of mirror sites, and can deploy and distribute it without cost. The company's Oracle Linux Support program aims to provide commercial technical support, covering Oracle Linux and existing RHEL or CentOS installations but without any certification from the former (i.e. without re-installation or re-boot). As of 2016, Oracle Linux had over 15,000 customers subscribed to the support program. The first version of Red Hat Enterprise Linux to bear the name originally came onto the market as "Red Hat Linux Advanced Server". In 2003, Red Hat rebranded Red Hat Linux Advanced Server to "Red Hat Enterprise Linux AS" and added two more variants, Red Hat Enterprise Linux ES and Red Hat Enterprise Linux WS. Supporters of the term Linux argue that it is more widely used in the media and by the general public, and that it serves as a practical shorthand for systems that combine the Linux kernel with software from a variety of sources, including the GNU Project. Advocates of the term GNU/Linux, including the Free Software Foundation (FSF) and its founder Richard Stallman, argue that the name acknowledges the contributions of the GNU Project, particularly how the Linux kernel was added on top of the original GNU operating system. Several distributions, such as Trisquel and Parabola GNU/Linux-libre, use this naming convention. This article applies to operating systems which are capable of running the X Window System, mostly Unix and Unix-like operating systems such as Linux, Minix, illumos, Solaris, AIX, FreeBSD and Mac OS X. Microsoft Windows is capable of running X applications through Windows Subsystem for Linux and third-party X servers like Cygwin/X, Exceed, or Xming. This kit has stopped being officially sold in the US as of 2003 due to the entire allocation of NTSC kits selling out. However, it is still available through some second-hand markets, such as eBay. The official site for the project was closed in June 2010 and communities like ps2dev are no longer active. In August 2010, Jeffrey Hammond, principal analyst at Forrester Research, declared, "Linux has crossed the chasm to mainstream adoption," a statement attested by the large number of enterprises that had transitioned to Linux during the late-2000s recession. In a company survey... Oracle Corporation distributes Oracle Linux with two Linux kernels options: Android, which runs on Linux, is the world's most widely used computer operating system. As of October 2024, Android has 45% of the global operating system market followed by Windows with 26%. Notably, Android uses a customized Linux kernel with a separate runtime environment and software stack compared to the vast majority of other Linux-based systems. Since the release of Fedora 21 in December 2014, three editions have been made available: personal computer, server and cloud computing. This was expanded to five editions for containerization and Internet of Things (IoT) as of the release of Fedora 37 in November 2022. A new version of Fedora Linux is usually released roughly every six months. In 1983, Richard Stallman, founder of the Free Software Foundation, set forth plans of a complete Unix-like operating system, called GNU, composed entirely of free software. In September of that year, Stallman published a manifesto in Dr. Dobbs's Journal detailing his new project publicly, outlining his vision of free software. Software development work began in January 1984....

Wubi (software) Wubi was born as an independent project and as such versions Wubi ("Windows-based Ubuntu Installer") is a free software Ubuntu installer, that was the official Windows-based software, from 2008 until 2013, to install Ubuntu from within Windows, to a single file within an existing Windows partition. user to choose between running Linux or Windows, and avoided the need to re-partition the disk

== RHEL compatibility ==

Linux kernel One such Linux kernel operating system is Android, which is used in many mobile and embedded devices. Since the late 1990s, it has been included in many operating system distributions, many of which are called Linux. The Linux kernel is a free and open-source Unix-like kernel that is used in many computer systems worldwide. The kernel was created by Linus Torvalds in 1991 and was soon adopted as the kernel for the GNU operating system (OS), which was created to be a free replacement for Unix. The kernel was created by Linus Torvalds in The Linux kernel is a free and open-source Unix-like kernel that is used in many computer systems worldwide

The project's aim was to enable existing Windows users, unacquainted with Linux, to try Ubuntu without risking any data loss (due to disk formatting or partitioning mistakes). It could also safely uninstall Ubuntu from within Windows.

Comparison of X Window System desktop environments System, mostly Unix and Unix-like operating systems such as Linux, Minix, illumos, Solaris, AIX, FreeBSD and Mac OS X. Microsoft Windows is capable of running A desktop environment is a collection of software designed to give functionality and a certain look and feel to an operating system

Linux k. popular Linux distros include Debian, Fedora Linux, Linux Mint, Arch Linux, and Ubuntu, while commercial distributions include Red Hat Enterprise Linux, SUSE Linux (LIN-uuks) is a family of free and open-source software Unix-like operating systems based on the Linux kernel, which was first released on 17 September 1991 by Linus Torvalds. Linux was originally designed as a clone of Unix and is distributed under the copyleft GPL license. a. distro), which includes the kernel alongside supporting system software and libraries developed by third parties—such as

GNU, Red Hat, and X. Org—to create a complete operating system; however, not all Linux-based operating systems are considered distros, with Android being an example. Some members of the family are typically packaged as a distribution (a

== History ==

Oracle Linux Image, and on Microsoft Azure as a VM Image. It is, in part, compiled from Red Hat Enterprise Linux (RHEL) source code, replacing Red Hat branding with Oracle's. Oracle Linux is also available as a Windows app through the Microsoft Store and with the Windows Subsystem Oracle Linux (abbreviated OL, formerly known as Oracle Enterprise Linux or OEL) is a Linux distribution packaged and freely distributed by Oracle, available partially under the GNU General Public License since late 2006. It is also used by Oracle Cloud and Oracle Engineered Systems such as Oracle Exadata and others

As of February 2016, Fedora Linux has an estimated 1.2 million users, including Linus Torvalds, creator of the Linux kernel. As Red Hat Enterprise Linux is heavily based on open-source software and its source code is available to the public, it is used as the basis for several third-party derivatives, including the commercial Oracle Linux and the community-supported Rocky Linux and AlmaLinux. Prior to June 2023, Red Hat published a subset of Red Hat Enterprise Linux's source code to the public in the form of modified build artifacts. Today, the complete source code for the major-version...

Fedora Linux It was originally developed in 2003 as a continuation of the Red Hat Linux project. software would be easier to find, develop, and use. It contains software distributed under various free and open-source licenses and aims to be on the leading edge of open-source technologies. The key difference between Fedora Linux and Red Hat Linux was that Fedora's repository development would Fedora Linux is a Linux distribution developed by the Fedora Project. It is now the upstream source for CentOS Stream and Red Hat Enterprise Linux

The name of Fedora derives from the original "Fedora Linux", a volunteer project that provided extra software for the Red Hat Linux distribution, and from the characteristic fedora hat used in Red Hat's "Shadowman" logo. Warren Togami began Fedora Linux in 2002 as an undergraduate project at the University of Hawaii, intended to provide a single... While Wubi does not install Ubuntu directly to its own partition this can also... After installation, it added a new "Ubuntu" option to the existing Windows boot menu which allowed the user to choose between running Linux or Windows, and avoided the need to re-partition the disk. Linux is provided under the GNU General Public License version 2, although it contains files under other compatible licenses. There are many thousands of Linux distributions, many based directly or indirectly on other distributions; popular Linux distros include Debian, Fedora Linux, Linux Mint, Arch Linux, and Ubuntu, while commercial distributions include Red Hat Enterprise Linux, SUSE Linux Enterprise, and ChromeOS. Linux distributions are frequently used in server platforms. Many Linux distributions use the word "Linux" in their name, but the Free Software Foundation uses and recommends the name "GNU/Linux", to emphasize the use and importance of GNU software in many distributions...

Red Hat Enterprise Linux All of Red Hat's official support and training, together with the Red Hat Certification Program, focuses on the Red Hat Enterprise Linux platform. Red Hat Enterprise Linux is released in server versions for x86-64, Power ISA, ARM64, and IBM Z and a desktop version for x86-64. Red Hat Enterprise Linux (RHEL) is a commercial Linux distribution developed by Red Hat. Fedora Linux and CentOS Stream serve as its upstream sources. Red Hat Enterprise Linux is released in server versions for x86-64 Red Hat Enterprise Linux (RHEL) is a commercial Linux distribution developed by Red Hat

== History == == Technical elements of a desktop environment ==

Linux for PlayStation 2 is available for download from PS2 Linux support sites. It includes a Linux-based operating system, a USB keyboard and mouse, a VGA adapter, a PS2 network adapter (Ethernet only), and a 40 GB hard disk drive (HDD). There is little difference between PS2 Linux and the Linux software used on the more expensive Linux for PlayStation 2 (or PS2 Linux) is a kit released by Sony Computer Entertainment in 2002 that allows the PlayStation 2 console to be used as a personal computer. An 8 MB memory card is required; it must be formatted during installation, erasing all data previously saved on it, though afterwards the remaining space may be used for savegames. It is strongly recommended that a user of Linux for PlayStation 2 have some basic knowledge of Linux before installing and using it, due to the command-line interface for installation

Linux adoption Notably, Android uses a customized Linux kernel with a separate runtime environment and software stack compared Operating systems based on Linux, also called Linux distributions, have been adopted households, nonprofit organizations, businesses, and governments. system market followed by Windows with 26%

Most of the kernel code is written in C as supported by the GNU Compiler Collection (GCC), which has extensions beyond standard C. The code also contains assembly code for architecture-specific logic such as optimizing memory use and task execution. The kernel has a modular design such that modules can be integrated as software components – including dynamically loaded. The kernel is monolithic in an architectural sense since the entire OS kernel runs in kernel space. == Capabilities == Wubi was born as an independent project and as such versions 7.04 and 7.10 were unofficial releases. == History == Linux runs on almost every type of device, all the top 500 most powerful supercomputers in the world, desktop computers, laptops, the International Space Station, smartphones, smartwatches, TVs, and cars. Additional large systems like The New York Stock Exchange, the Pentagon, and social media platforms like Facebook, YouTube, and X (formerly Twitter) all run on Linux. Microsoft's cloud service depends on Linux. It is not a virtual machine, but creates a stand-

alone installation within a loopmounted device, also known as a disk image, like Topologilinux does. It is not a Linux distribution of its own, but rather an installer for Ubuntu. dd8809fee5 For Ubuntu 8.04 the code was merged into Ubuntu and for 8.04 alpha 5, Wubi was also on the Ubuntu Live CD. dd8809fee5

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