

Features Of Windows Operating System

New security features in Windows Vista include anti-malware software (Windows Defender); exploit protection features such as Address Space Layout Randomization, Data... 8023bdd631 Cairo was announced at the 1991 Microsoft Professional Developers Conference by Jim Allchin. It was demonstrated publicly (including a demo system for all attendees to use) at the 1993 Cairo/Win95 PDC. Microsoft changed its stance on Cairo several times, sometimes calling it a product, other times referring to it as a collection of technologies. 8023bdd631 The nomenclature for operating systems varies among providers and sometimes within providers. 8023bdd631

Comparison of operating systems The article "Usage share of operating systems" provides a broader, and more general, comparison of operating systems that includes servers, mainframes and supercomputers. for operating systems varies among providers and sometimes within providers. For purposes of this article the terms used are; kernel In some operating systems These tables provide a comparison of operating systems, of computer devices, as listing general and technical information for a number of widely used and currently available PC or handheld (including smartphone and tablet computer) operating systems 8023bdd631

The first version of Windows, Windows 1.0, was released on November 20, 1985 as a graphical operating system shell for MS-DOS in response to growing interest in graphical user interfaces (GUIs). The name Windows is a reference to the windowing system in GUIs. The 1990 release of Windows 3.0 catapulted its market success and led to the launch of various other product families, including the (now-defunct) Windows Mobile, Windows Phone, and Windows CE/Embedded Compact. 8023bdd631 Because of the large number and variety of available Linux distributions, they are all grouped under a single entry; see comparison of Linux distributions for a detailed comparison. There is also a variety of BSD and DOS operating systems, covered in comparison of BSD operating systems and comparison of DOS operating systems. 8023bdd631 Mobile operating systems combine features of a desktop computer operating system with other features useful for mobile or handheld use, and usually including a wireless built-in modem and SIM tray for telephone and data connection. In 2024, approximately 1.22 billion smartphones were sold globally, marking a 7% increase over the previous year and a solid rebound after two consecutive years of declines. Sales in 2012 were 1.56 billion; sales in 2023 were 1.43 billion with 53... 8023bdd631 Windows is the most popular desktop operating system in the world, with a 71% market share as of July 2026, and the second-most popular operating system... 8023bdd631

Cairo (operating system) " Cairo never shipped, although portions of its technologies have since appeared in other products. next-generation operating system that would fulfill Bill Gates's vision of "information at your fingertips. Its charter was to build technologies for a next-generation operating system that would fulfill Bill Gates's vision of "information at your fingertips. " Cairo never shipped, although portions of its technologies Cairo was the codename for a project at Microsoft from 1991 to 1996 8023bdd631

== Development platform == 8023bdd631

Security and safety features new to Windows Vista guidance is available. Windows Vista is the first Microsoft Windows operating system built in full accordance with the principles of this initiative. During its development Microsoft executives including Bill Gates and Jim Allchin cited security as being both its most important development factor and value proposition for consumers. In 2002 Microsoft announced its Trustworthy Computing initiative, which introduced within the corporation an ambition to build secure software by means of new development policies and procedures. New principles mandated the reviewal of software to ensure that architectures, designs, and implementations promote resilience to attacks and vulnerabilities; that default configurations promote security from the onset; that software patches are broadly distributable and securely deployable; and that straightforward security guidance is available. Windows Vista is the first Microsoft Windows operating system built in full accordance with the principles of this initiative. During Windows Vista introduces numerous new security and safety features intended to deliver greater privacy, security, and system integrity than earlier releases of Microsoft Windows 8023bdd631

Features new to Windows 7 Windows 7 Some of the new features included in Windows 7 are advancements in touch, speech and handwriting recognition, support for virtual hard disks, support for additional file formats, improved performance on multi-core processors, improved boot performance, and kernel improvements. However starting with Windows 7, Microsoft Windows was deprecating some features that originated in earlier versions of Windows and included up to Windows Vista. Windows 7, Microsoft Windows was deprecating some features that originated in earlier versions of Windows and included up to Windows Vista 8023bdd631

== Overview == 8023bdd631

Microsoft Windows Windows is grouped into families that cater to particular sectors of the computing industry Windows is a proprietary operating system developed by Microsoft. Windows is sold both as a consumer retail product and to computer manufacturers, who bundle and distribute it with their systems. Windows is grouped into families that cater to particular sectors of the computing industry - Windows for personal computers, Windows Server for servers, and Windows IoT for embedded systems. Windows itself is further grouped into editions that cater to different users - Home for home users, Professional for advanced users, Education for schools, and Enterprise for corporations. Windows is a proprietary operating system developed by Microsoft 8023bdd631

Mobile operating system This "fine line" distinguishing mobile and other forms has become blurred in recent years, due to the fact that newer devices have become smaller and more mobile, unlike the hardware of the past. While computers such as laptops are "mobile", the operating systems used on them are usually not considered mobile, as they were originally designed for desktop computers that historically did not have or need specific mobile features. Mobile operating systems combine features of a desktop computer operating system with other features useful for mobile or handheld A mobile operating system is an operating system used for smartphones, tablets, smartwatches, smartglasses, or other non-laptop personal mobile computing devices. hybridization of the 2-in-1 PCs. Key factors blurring this line are the introduction of tablet computers, light laptops, and the hybridization of the 2-in-1 PCs 8023bdd631

Development of Windows Vista began in 2001 under the codename "Longhorn"; originally envisioned as a minor successor to Windows

XP, it gradually included numerous new features from the then-next major release of Windows codenamed "Blackcomb", after which it was repositioned as a major release of Windows, and it subsequently underwent a period of protracted development that was unprecedented for Microsoft. Most new features were prominently based on a new presentation layer codenamed Avalon, a new communications architecture... 8023bdd631

Features new to Windows 8 These include a greater The transition from Windows 7 to Windows 8 introduced a number of new features across various aspects of the operating system. These include a greater focus on optimizing the operating system for touchscreen-based devices (such as tablets) and cloud computing. The transition from Windows 7 to Windows 8 introduced a number of new features across various aspects of the operating system 8023bdd631

Windows 7 retains the Windows Aero graphical user interface and visual style introduced in its predecessor, Windows Vista, but many areas have seen enhancements. Unlike Windows Vista, window borders and the taskbar do not turn opaque when a window is maximized while Windows Aero is active; instead, they remain translucent. 8023bdd631

Features new to Windows Vista However, Windows Vista also removed some features that originated in earlier versions of Windows and last seen in Windows XP. previous versions of Microsoft Windows, features new to Windows Vista are numerous, covering most aspects of the operating system, including additional Compared with previous versions of Microsoft Windows, features new to Windows Vista are numerous, covering most aspects of the operating system, including additional management features, new aspects of security and safety, new I/O technologies, new networking features, and new technical features 8023bdd631

Operating system As of November 2025[update], Android is the most popular operating system, with a 38% market share, followed by Microsoft Windows at 33%, iOS An operating system (OS) is system software that manages computer hardware and software resources, and provides common services for computer programs. supercomputers 8023bdd631

== Shell and user interface == 8023bdd631 For hardware functions such as input and output and memory allocation, the operating system acts as an intermediary between programs and the computer hardware, although the application code is usually executed directly by the hardware and frequently makes system calls to an OS function or is interrupted by it. Operating systems are found on many devices that contain a computer - from cellular phones and video game consoles to web servers and supercomputers. 8023bdd631 As of November 2025, Android is the most popular operating system, with a 38% market share, followed by Microsoft Windows at 33%, iOS and iPadOS at 15%, macOS at 4%, and Linux at 1%. Android, iOS, and iPadOS are operating systems for mobile devices such as smartphones, while Windows, macOS, and Linux are for desktop computers. Linux distributions are dominant in the server and supercomputing... 8023bdd631

Windows Vista It was the direct successor to Windows XP, released five years Windows Vista is a major release of the Windows NT operating system developed by Microsoft. It was released to manufacturing on November 8, 2006, and over the following two months, it was released in stages to business customers, original equipment manufacturers (OEMs), and retail channels. On January 30, 2007, it was released internationally and was made available for purchase and download from the Windows Marketplace; it is the first release of Windows to be made available through a digital distribution platform. It was the direct successor to Windows XP, released five years earlier, which was then the longest time span between successive releases of Microsoft Windows. Windows Vista is a major release of the Windows NT operating system developed by Microsoft 8023bdd631

Time-sharing operating systems schedule tasks for efficient use of the system and may also include accounting software for cost allocation of processor time, mass storage, peripherals, and other resources. 8023bdd631 For purposes of this article the terms used are; 8023bdd631 == Nomenclature == 8023bdd631 == Windows Shell and user interface == 8023bdd631

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