

Programming Windows CE (Pro Developer)

Windows CE

as Windows CE. According to Microsoft, "CE" is not an explicit acronym for anything, although it implies a number of notions that Windows developers had

Windows CE, later known as Windows Embedded CE and Windows Embedded Compact, is a discontinued operating system developed by Microsoft for mobile and embedded devices. It was part of the Windows Embedded family and served as the software foundation of several products including the Handheld PC, Pocket PC, Auto PC, Windows Mobile, Windows Phone 7 and others.

Unlike Windows Embedded Standard, Windows For Embedded Systems, Windows Embedded Industry and Windows IoT, which are based on Windows NT, Windows CE uses a different hybrid kernel. Microsoft licensed it to original equipment manufacturers (OEMs), who could modify and create their own user interfaces and experiences, with Windows Embedded Compact providing the technical foundation to do so.

Earlier versions of Windows CE worked on MIPS and...

Windows Mobile

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Windows Mobile is a discontinued mobile operating system developed by Microsoft for smartphones and personal digital assistants (PDA). Designed to be the portable equivalent of the Windows desktop OS in the emerging mobile/portable area, the operating system is built on top of Windows CE (later known as Windows Embedded Compact) and was originally released as Pocket PC 2000.

Microsoft introduced the Pocket PC keyboard-less PDAs in 2000, with Pocket PC 2000 being the software. It was based on version 3.0 of Windows CE, the operating system originally developed for the Handheld PC in 1996. The next versions were Pocket PC 2002 and Smartphone 2002, the latter of which would power a new category of keypad-based cell phone devices named Smartphone. With the release of Windows Mobile 2003, the software...

Microsoft Windows

families, including the now-defunct Windows 9x, Windows Mobile, Windows Phone, and Windows CE/Embedded Compact. Windows is the most popular desktop operating

Windows is a product line of proprietary graphical operating systems developed and marketed by Microsoft. It is grouped into families and subfamilies that cater to particular sectors of the computing industry - Windows (unqualified) for a consumer or corporate workstation, Windows Server for a server and Windows IoT for an embedded system. Windows is sold as either a consumer retail product or licensed to third-party hardware manufacturers who sell products bundled with Windows.

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 the 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...

Windows SideShow

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Windows SideShow (codenamed Auxiliary Display) was a feature by Microsoft introduced in Windows Vista to supply information such as e-mail, instant messages, and RSS feeds from a personal computer to a local or remote peripheral device or display. SideShow was intended to enhance the Windows experience by enabling new mobility scenarios for the Windows platform and by providing power saving benefits as part of Microsoft's broader efforts regarding a mobile initiative.

SideShow was unveiled in 2003 as a feature of Windows Vista ("Longhorn") to provide peripheral awareness of information. Preliminary documentation from Microsoft focused on using it to provide online information in an internal display of a mobile device such as a laptop while supporting desktop computer scenarios; information...

Windows NT

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Windows NT is a proprietary graphical operating system produced by Microsoft as part of its Windows product line, the first version of which, Windows NT 3.1, was released on July 27, 1993. Originally made for the workstation, office, and server markets, the Windows NT line was made available to consumers with the release of Windows XP in 2001. The underlying technology of Windows NT continues to exist to this day with incremental changes and improvements, with the latest version of Windows based on Windows NT being Windows Server 2025 announced in 2024.

The name "Windows NT" originally denoted the major technological advancements that it had introduced to the Windows product line, including eliminating the 16-bit memory access limitations of earlier Windows releases such as Windows 3.1 and...

Windows Phone

2010 with Windows Phone 7. Windows Phone 8 succeeded it in 2012, replacing the Windows CE-based kernel of Windows Phone 7 with the Windows NT kernel used

Windows Phone (WP) is a discontinued mobile operating system developed by Microsoft for smartphones as the replacement successor to Windows Mobile and Zune. Windows Phone featured a new user interface derived from the Metro design language. Unlike Windows Mobile, it was primarily aimed at the consumer market rather than the enterprise market.

It was first launched in October 2010 with Windows Phone 7. Windows Phone 8 succeeded it in 2012, replacing the Windows CE-based kernel of Windows Phone 7 with the Windows NT kernel used by the PC versions of Windows (and, in particular, a large amount of internal components from Windows 8). Due to these changes, the OS was incompatible with all existing Windows Phone 7 devices, although it still supported apps originally developed for Windows Phone 7...

Windows 8

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Windows 8 is a major release of the Windows NT operating system developed by Microsoft. It was released to manufacturing on August 1, 2012, made available for download via MSDN and TechNet on August 15, 2012, and generally released for retail on October 26, 2012.

Windows 8 introduced major changes to the operating system's platform and user interface with the intention to improve its user experience on tablets, where Windows competed with mobile operating systems such as Android and iOS. In particular, these changes included a touch-optimized Windows shell and start screen based on Microsoft's Metro design language, integration with online services, the Windows Store, and a new keyboard shortcut for screenshots. Many of these features were adapted from Windows Phone, and the development of...

Cmd.exe

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cmd.exe, a.k.a. Command Prompt, is a shell program on later versions of Windows (NT and CE families), OS/2, eComStation, ArcaOS, and ReactOS. In some versions of Windows (CE .NET

4.2, CE 5.0 and Embedded CE 6.0) it is referred to as the Command Processor Shell. Implementation differs between operating systems, but with significant consistency of behavior and available commands.

Older, related operating systems, DOS and Windows 9x, provided COMMAND.COM as the shell. cmd.exe replaced COMMAND.COM in the Windows product line with the introduction of NT. Current versions of Windows include PowerShell as an alternative shell that runs side-by-side with cmd.exe.

The initial version of cmd.exe for Windows NT was developed by Therese Stowell. Windows CE 2.11 was the first embedded Windows release to...

Windows Vista

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Windows Vista is a major release of the Windows NT operating system developed by Microsoft. 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. 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.

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

Windows Script Host

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The Microsoft Windows Script Host (WSH) (formerly named Windows Scripting Host) is an automation technology for Microsoft Windows operating systems that provides scripting abilities comparable to batch files, but with a wider range of supported features. This tool was first provided on Windows 95 after Build 950a on the installation discs as an optional installation configurable and installable by means of the Control Panel, and then a standard component of Windows 98 (Build 1111) and subsequent and Windows NT 4.0 Build 1381 and by means of Service Pack 4. WSH is also a means of automation for Internet Explorer via the installed WSH engines from IE Version 3.0 onwards; at this, time VBScript became a means of automation for Microsoft Outlook 97. WSH is also an optional install provided with...

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