Министерство образования и науки Амурской области
ГПОАУ АО
«АМУРСКИЙ ПЕДАГОГИЧЕСКИЙ КОЛЛЕДЖ»

Windows 10

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Content

Glossary

1. Operating system – Операционная система;
2. Capabilities – Возможности;
3. Resolution – Разрешение;
4. Designed – Предназначенный;
5. Direction – Направление;
6. Effort – Усилие;
7. Includes – Включает;
8. Introduction – Внедрение;
9. Up-to-date – Актуальный;

Windows 10

Windows 10 is a major version of the Microsoft Windows operating system that was released on July 29, 2015. It is built on the Windows NT kernel and follows Windows 8.
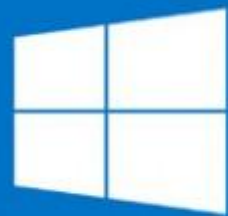
System Requirements

- **Processor:** 1 GHz or faster processor or SoC (system on a chip). 64-bit versions of Windows 10 require a processor that supports CMPXCHG16b, PrefetchW, and LAHF/SAHF capabilities.

- **RAM:** 1 GB for 32-bit or 2 GB for 64-bit

- **Hard disk space:** 16 GB for 32-bit or 20 GB for 64-bit

- **Graphics:** DirectX 9 or later with WDDM 1.0 driver. Some games and apps might require DirectX 10 or higher for optimal performance.

- **Display:** 1024 x 600. The number of applications that can be snapped depends upon the minimum resolution for each application.

Where is 9?

Part of the reason Microsoft decided to name the 2015 release "Windows 10" (and skipped "Windows 9") is because the operating system is designed to be a new direction for Microsoft.
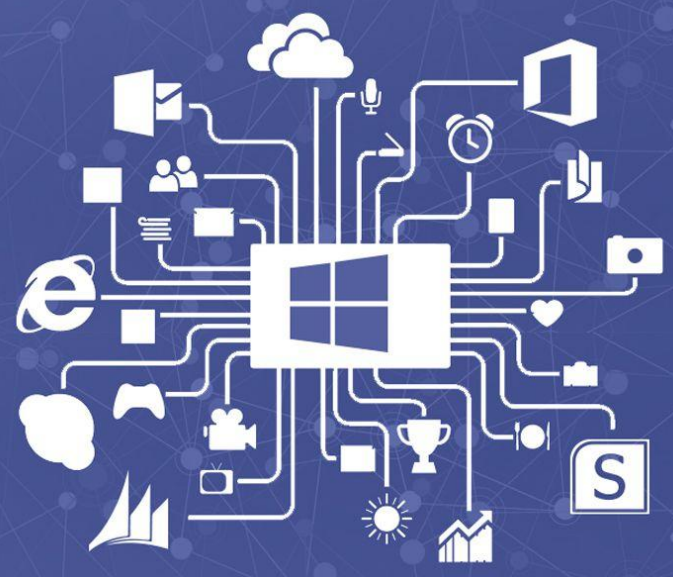
Differences

One of the primary aims of Windows 10 is to unify the Windows experience across multiple devices, such desktop computers, tablets, and smartphones.

As part of this effort, Microsoft developed Windows 10 Mobile alongside Windows 10 to replaces Windows Phone – Microsoft's previous mobile OS.
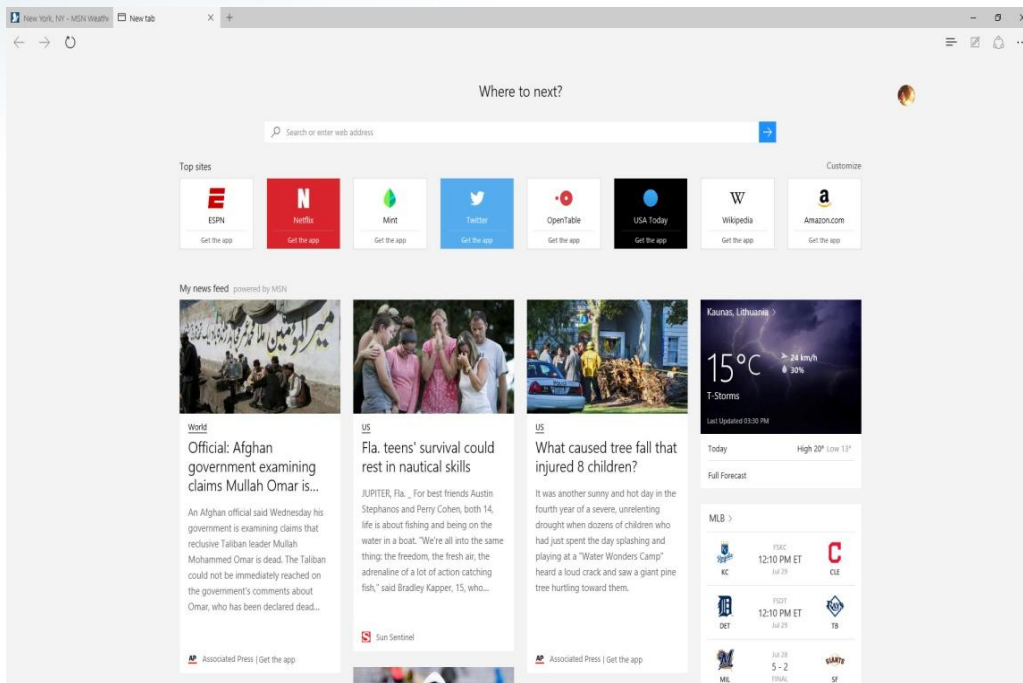
Windows 10 also integrates other Microsoft services, such as Xbox Live and the Cortana voice recognition assistant.
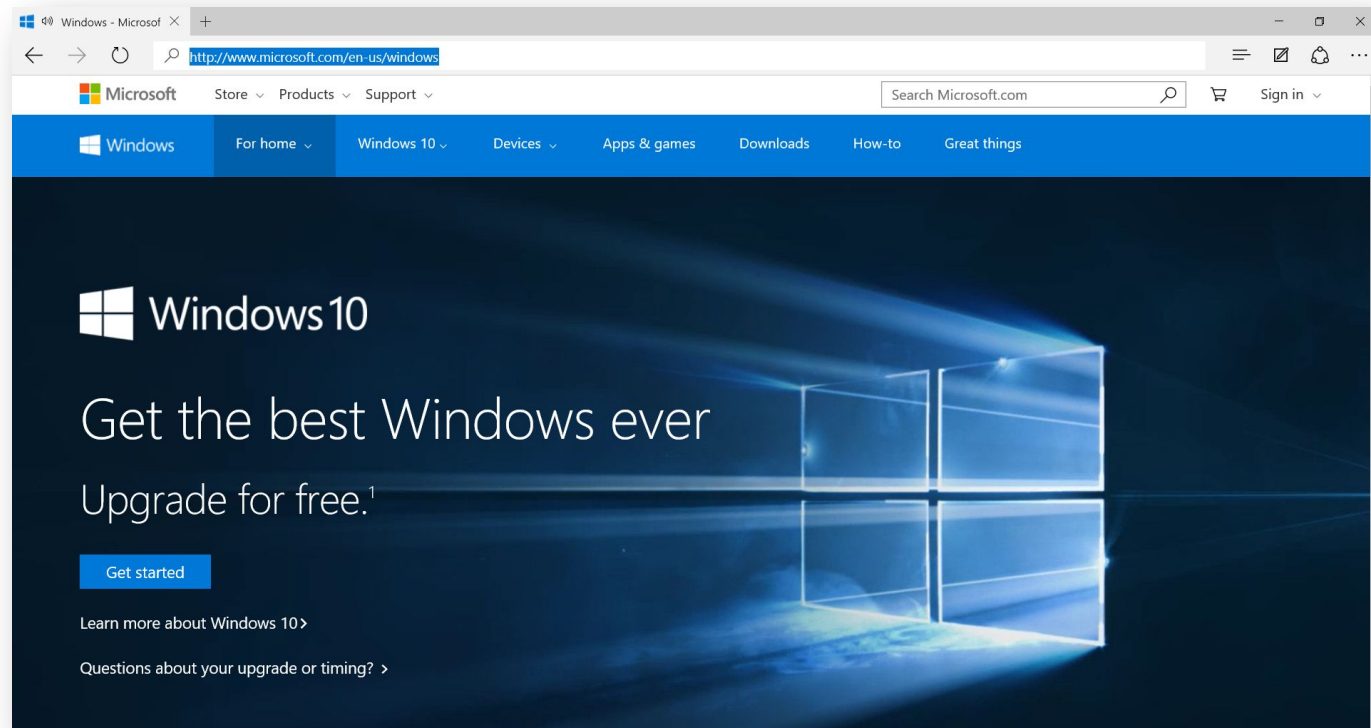
While Windows 10 includes many new features, it also brings back the Start Menu, which was dropped in Windows 8. The new and improved Start Menu provides quick access to settings, folders, and programs and also includes tiles from the Windows 8 interface. The bottom of the Windows 10 Start Menu includes a search bar that allows you to search both your local PC and the web.

Another major change in Windows 10 is the introduction of the "Edge" web browser, which is designed to replace Internet Explorer (IE). While the OS still includes IE, Edge is the default browser in Windows 10.

Internet Explorer 11 → Edge

Windows 10 upgrade is available for free to Windows 7 and Windows 8 users. However, Microsoft still charges a licensing fee for copies of Windows 10 shipped with new computers and for non-upgrade purchases.

Some of the biggest benefits:

- Apps in the new Windows Store will run on any device;

- Microsoft's 'Continuum' feature allows you to potentially connect a phone or tablet to a monitor and keyboard and use it like a PC;

- Windows 10 brings with it DirectX 12. (Initial reports suggested DX12 would bring a 30-40% performance gain over DX11);

- Windows 10 Microsoft now delivers security patches outside Windows Update so they go straight to your computer the moment they are available. In theory this means Windows 10 computers are always up-to-date which gives hackers a much harder time, even if there are also some notable downsides;

Main disadvantages:

- Stability: Windows 10 is new brand and it has launched with a surprisingly large number of bugs which you won't find in Windows 7 or Windows 8;

- Mandatory Updates;

- Internet Broadband use: Windows 10's mandatory update policy means more increased data usage;

The full version of Windows 10 Home is available for $119 and Windows 10 Pro costs $199.

WINDOWS 10 HOME - $119
WINDOWS 10 PRO - $199
WINDOWS 10 PRO PACK - $99

List of Information Sources

1. http://techterms.com/definition/windows_10
2. https://www.thurrott.com/windows/windows-10/3884/windows-10-system-requirements
3. http://pctechmag.com/2015/08/windows-10-vs-windows-8-vs-windows-7-the-pros-and-cons/

Pictures

1. https://www.extremetech.com/computing/191279-why-is-it-called-windows-10-not-windows-9
2. http://www.techtudo.com.br/noticias/noticia/2014/10/veja-como-sera-interface-inicial-do-windows-10-do-celular-ao-xbox-one.html
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9. http://www.groovypost.com/howto/upgrade-windows-8-1-to-windows-10/

Thanks for your attention!