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Microsoft Windows Interview Questions

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Q1. What is Microsoft Windows?

Microsoft Windows is a proprietary graphical based operating system developed by **Microsoft**. First **released in 1985**, Microsoft Windows acts as a shell for MS-DOS that provides GUI for the users to interact with the software. Windows runs on multiple platforms such as **x86-64**, **ARM**, **ARM64**, and **IA-32**. Mainly targeted for **desktop/laptop's**, Windows also has versions that run on **tablets**, **smartphones**, **virtual devices**, **Xbox game consoles**, and **embedded devices**. From the time of its release, Microsoft Windows has been the most popular desktop operating system with over 90 percent of the market share.

Q2. Windows os is written in which programming language?

Microsoft Windows is written in **C++**, **JavaScript**, **C#**, and **Visual Basic**.

Q3. What is the difference between NTFS & FAT?

NTFS (**New Technology File System**) is the primary file system used in Windows operating system that supports **larger file sizes** and **hard drives**. It is the newest file system created by Microsoft and is the default for almost every modern hard drive, and SSDs. It has support for file compression, long file names, and no reasonable file size limitations.

FAT (**File Allocation Table**) is an older type of file system that is universally supported by all operating systems. It is normally pre-installed on all the **USB drives** and has a **big limitation** of supporting only file size up to **4GB**.

Q4. What is MBR in Windows?

MBR (**Master Boot Record**) is a boot sector that holds information such as the partitions of the drive, logical partitions, etc. It also acts as a loader for the operating system as it contains the executable code. The MBR is

created when you first install the windows and the partitions are created. The support for MBR was first introduced with the **IBM PC DOS 2.0** in **1983** and has been used ever since.

Q5. What Kernel type does Windows OS use?

Microsoft Windows uses **Hybrid kernel type architecture**. It combines the features of the **monolithic kernel** and **microkernel architecture**. The actual kernel that is used in Windows is the Windows NT (**New Technology**).

Q6. What is PowerShell in Windows?

PowerShell is a command-line shell and scripting language that is used for task automation and configuration management framework. It helps the users to automate the tasks that manage the operating systems and processes. The PowerShell is now an open-source and cross-platform tool that is built upon the **.NET Core**. The commands used in the PowerShell are called as the cmdlets and it lets you manage the data stores such as the registry and certificate store, and more.

Q7. What are the different types of Windows OS?

The different types of Windows Operating Systems are,

- Windows OS for PCs, Desktops, and Laptops.
- Windows OS for Servers.
- Windows OS for Phones and Tablets.
- Windows OS for Virtual devices such as Hololens.
- Windows OS for game consoles such as Xbox.

Q8. How to get the IP address on Windows?

To get your IP address on Windows, go to the command prompt on your system and type **"ipconfig"** command. This command will list the IP address of your system among other systems.

Q9. What is the SYSVOL folder?

The SYSVOL (**System Volume**) folder is a shared directory to store the server copy of the domain's public files. These files must be shared for common access and replication throughout the domain. This special directory resides on the `%SYSTEMROOT%\SYSVOL\sysvol` path in your system.

It has several folders such as Group Policy Templates (**GPTs**), **Scripts**, and **Junction Points** that store different

files.

Q10. What is the safe mode in Windows?

The Safe mode in Windows loads a minimal user interface that has only the essential services and drivers needed for the Windows OS to function. The safe mode is there on Windows to troubleshoot problems on your system like Windows crash, etc.

There are two types of safe mode available such as **the default safe mode**, and **safe mode** with networking.

The safe mode with networking adds the necessary drivers and services in the safe mode for accessing the internet and other computers on the network. There are different ways to get into the safe mode.

Here we list the main way to go into the safe mode. First, go to the advanced startup and click the restart option. Then click the troubleshoot option and click the advanced options. In the advanced options, click the Startup Settings. Then click the restart the button and press 4 or F4 to start your PC in the safe mode.

Q11. What is the control panel in Windows?

Control Panel in Windows provides the users to **view** and **change** different **system settings**. You can change user settings, accessibility settings, network, sound, hardware, appearance, VPN tools, input devices, and a whole bunch of other settings in the Control Panel. The Control Panel has been with Windows since version 1.0.

Q12. What new features are introduced in Windows 10?

 Some of the new features introduced with Windows 10 are,

- It features the Start button that has been removed in Windows 8.
- It has a virtual assistant Cortana to make it easy for you to interact with your device with just your voice.
- It has better multitasking and multiple desktop features.
- It has support for UWP apps and offers touch support for Office apps.
- It has an action center to view all your notifications and control actions.
- It has a unified settings view.
- It has a brand new edge browser.

Q13. What are the advantages of the windows operating system?

There are many advantages to using the Windows operating system. They are,

- The user interface makes it the operating system easy to use with less knowledge.
- The necessary drivers are readily available on Windows, so you can easily plug new hardware and use it.

- There is also a large selection of Softwares and utilities available on Windows.
- There are a vast amount of Windows users so you can readily find help online.
- All the major games are supported on the Windows platform. If you are a gamer, then Windows is the only choice of Operating System that you should use.

Q14. What do you understand by RTM?

RTM (**Release to Manufacturing**) is the version of the windows that are given to the manufacturers to bundle with the future version of the hardware products. These manufacturers are released to the manufacturers before they are released to the public. The RTM version of the software is a part of the release cycle.

Q15. List the various editions of Windows 10?

The different editions of the Windows 10 are,

- Windows 10 Home
- Windows 10 Pro
- Windows 10 Mobile
- Windows 10 Enterprise
- Windows 10 Enterprise (Long Term Servicing Branch)
- Windows 10 Mobile Enterprise
- Windows 10 Education
- Windows 10 IoT Core

Q16. List some major differences between Linux and Windows?

Linux and **Windows** are the major desktop OS available in the market right now.

There are some major differences between them that are listed below.

Linux

1. Linux is a free and open-source operating system that can be downloaded and installed on any system for free.
2. Linux allows users can access the source code and modify the OS based on their preference.
3. There are various distributions available in Linux such as Ubuntu, CentOS, etc.
4. It is more efficient than Windows in managing resources.
5. Linux is also more secured than Windows and it is difficult to hack into a Linux system.
6. The command-line centered Linux systems make it difficult for normal users to use it.

Windows

1. Windows is a proprietary OS developed by Microsoft which users need to pay to use it.

2. Windows is a closed-source operating system that offers very little customization than Linux.
3. It is also less efficient than Linux in handling resources with less security.
4. The easy to use interface offered by Windows makes it a preferred choice of the operating system by most of the users.

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