



Department of Anesthesia Techniques  
Title of the lecture: - Operating System-(Theory)  
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## Computer Applications Dr.Arkan Alkhalidi

### The Desktop

#### Windows 8 vs. Windows 7 – Difference:

Windows 8 is faster than Windows 7 in some aspects such as startup time, shut down time, wake up from sleep, multimedia performance, web browsers performance, transferring large file and Microsoft excel performance but it is slower in 3D graphic performance and high-resolution gaming performance. Battery life improved enough to be noticeable. Moreover Windows 8 is significantly more secure than Windows 7 and it is basically designed to take advantage of touch screens while Windows 7 is only for desktops.

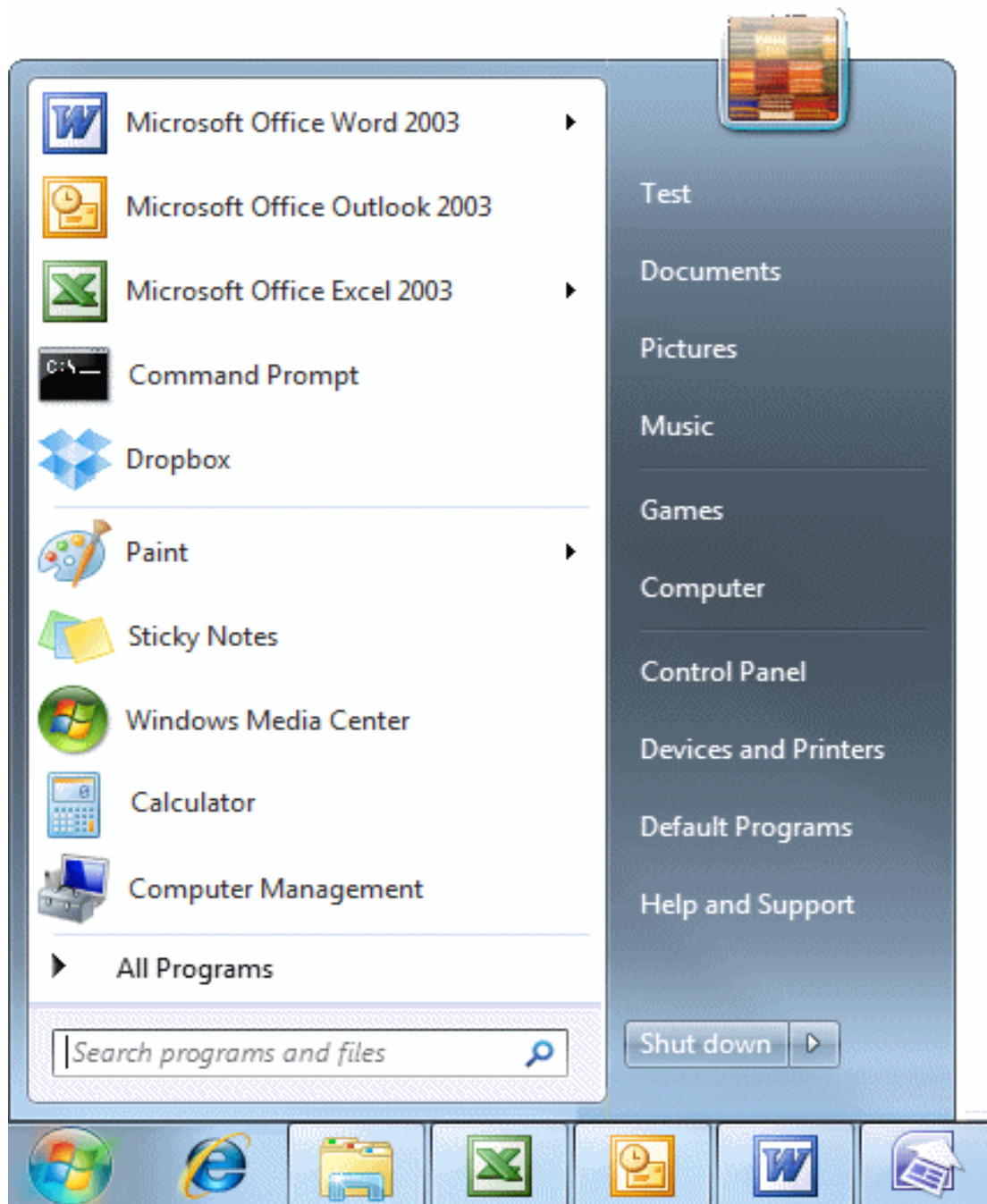


**Figure 1: Windows 8 & Windows 7 – Difference**



## Windows 7 Start menu:

Classic Start Menu is considered a perfect replacement for Windows 7 Start Menu. It helps you to find programs and folders many times faster. You always know where you put your things because folders expand when you hover over them. Besides, you can still enjoy your favorite "quick find" feature available in Classic Start Menu.



*Figure 2: Windows 7 Start menu*



## The Start screen in Windows 8:

On Windows 8 and Windows Server 2012, an update to the Start menu known as the "Start screen" was introduced. It covers the entire screen and no longer features the right column. It shows much larger tiles for programs and, whenever possible, displays dynamic content supplied by the program directly on the tile itself.



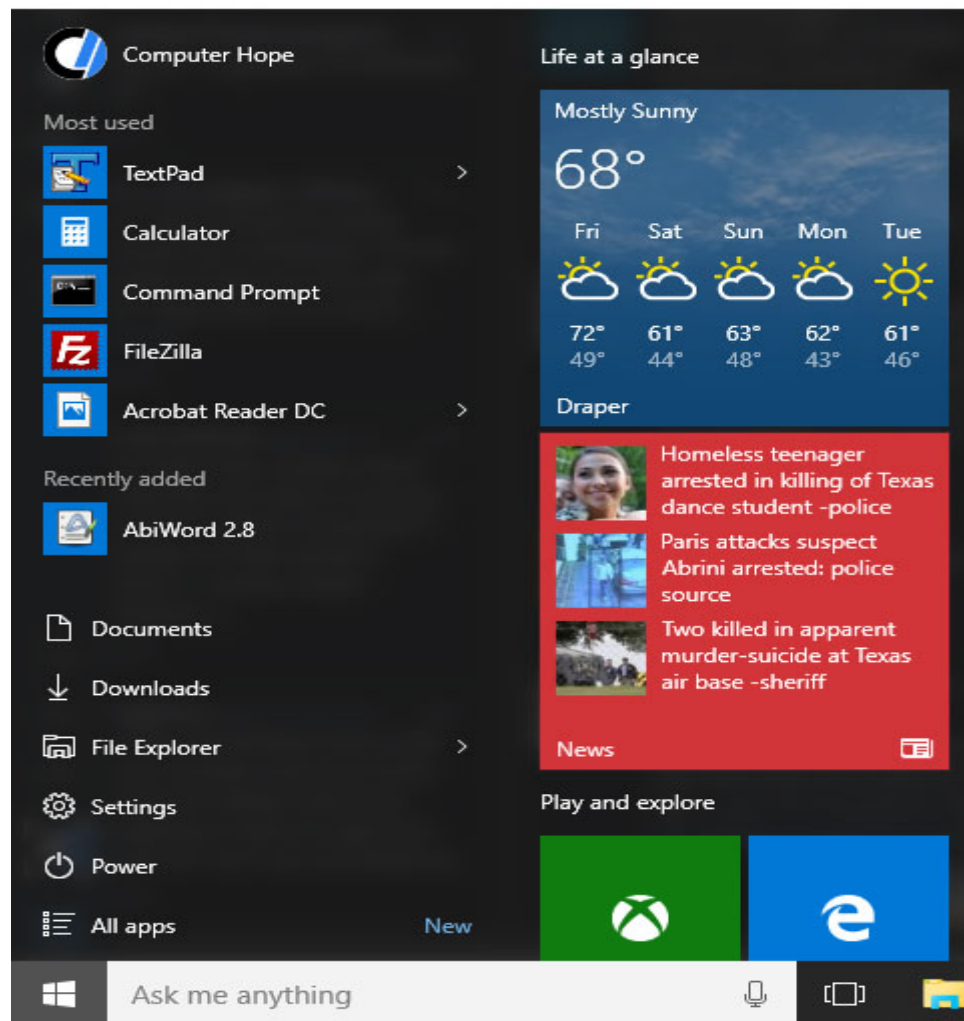
*Figure 3: Windows 8 Start menu*

## Windows 10 Start menu:

The Windows 10 Start menu made some drastic changes to the Start menu available in previous versions of Windows, as is immediately apparent in the picture below. One of the most noticeable changes is the integration of tiles (from the Windows 8 start screen) into the Start menu. From this Start menu, you can access all your programs through the "All apps" option and in the left pane



## Windows 10 Start Menu



*Figure 4: Windows 10 Start menu*

### **Software Updates Benefits:**

As computer owners we are inundated with emails and reminders to update our software and protect our computers on a regular basis. While it may be easy to ignore those calls for updates, it may be foolhardy to do so. Freezing your IT solutions at the level that it was at the time of purchase can cause problems with production, efficiency, security and the occasional computer bug. Here are the top reasons Why you should be sure to upgrade your software at regular intervals:

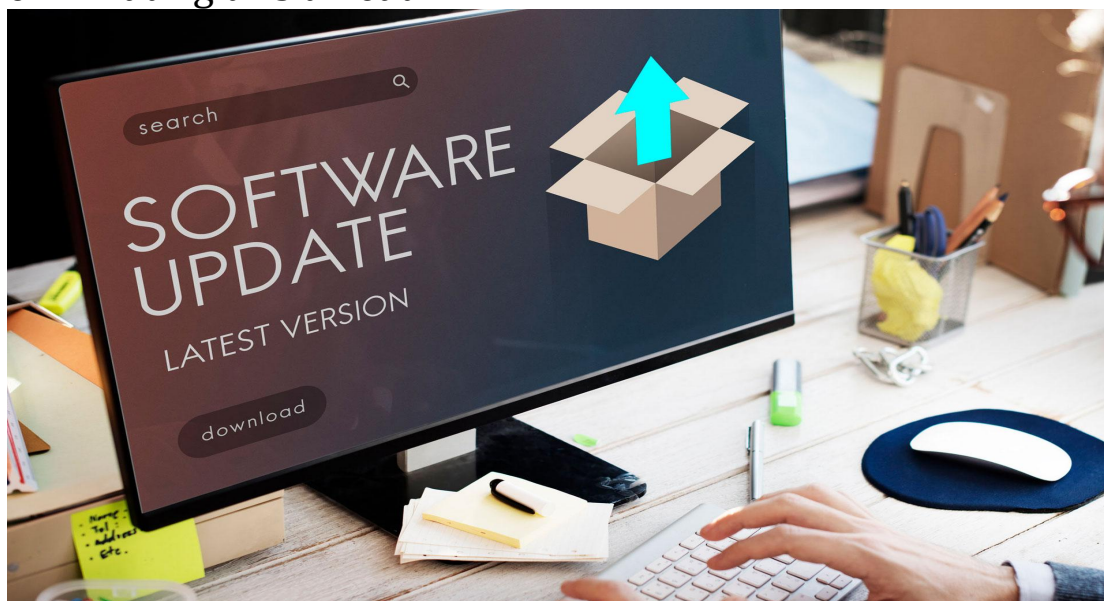


**1- Bug Fixes** – Although computer companies' work relentlessly to be sure systems are working properly, there are on occasion bugs that can cause your computer systems and software to operate improperly. Upgrades in software offer bug fixes and patches that can make your computer run smoothly and at its most efficient level

**2-Enhancement in Performance** – With each new release of software there are improvements and enhancements that have been made based upon customer reviews and comments. This means that your new upgrade could be easier to operate or have fewer customer complaints

**3-New Features** – Upgrading your software may open a whole new slew of features that could make your job easier or more efficient. If your company fails to upgrade software you may be missing out on the latest and greatest features that make client relations or some aspect of your job better

**4-Improved Security** – Upgrading software allows your computer to benefit from additional protections and levels of security. Ensuring your system has the latest defensive solutions help limit the threat posed by malware and hackers. Malicious parties are continually innovating, devising new ways of attacking users' systems, and in response, the IT security industry has to find ways of reducing or eliminating this threat.



**Figure 5: Software Update**



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*Thank you for listening*