

Tech in action notes



The two major types of system software programs are utility programs and the operating system

The ___ of the operating system enables users to communicate with the computer system user interface

OS X is the operating system developed by apple

All of the following are examples of network operating systems EXCEPT MS-DOS

UNIX was developed by Ken Thompson and Dennis Richie, who worked at AT and Ts Bell Labs

The latest version of the Mac OS X is Mavericks

Which of the following is NOT a user interface? Application programming interface (API)

Using hard disk space to temporarily store data or instructions from RAM is referred to as Virtual memory

Each device attached to your computer comes with a special program called ___ enables the device and operating system to communicate with each other device driver

Which of the following is the first step in the boot process? The BIOS is activated by turning on the computer

Which of the following Windows utility programs arranges pieces of files on your hard drive to allow for faster access? Disk defragmenter

Which of the following is NOT a windows utility program? Desktop

Which utility removes redundancies in a file to reduce the file size? File compression

You can use the Windows ___ to check on a nonresponsive program Task manager

Mac OS X includes a backup utility called Time machine

Folder Storage location for a collection of files

Tracks Concentric circle on the hard drive

Sector Pie-shaped wedge on the hard drive

Platters Round, thin plate of metal that makes up a hard drive

Taskbar Displays open and favorite applications

Latency Time needed for correct sector to spin to the read/write head

Seek time Time required for the read/write head to move to the correct track

There are ___ levels of cache memory Three

___ provides high-speed information processing by enabling a new set of instructions to start before the previous set is finished Hyperthreading

The speed of a level of cache memory is impacted by the chip's proximity to the CPU

RAM is an example of ___ storage volatile

The amount of RAM storage is measured in GB

In most current systems, ___ is the type of RAM used DDR3

The ___ has the largest capacity of any storage device Mechanical hard drive

Which of the follow ports is NOT used to connect a video card? USB

To speed up the display of graphics, a ___ is installed on some video cards GPU

A ___ enables the computer to drive the speaker system Sound card

In Dolby Digital 7. 1, the 1 indicates a ___ speakers subwoofer

Running the disk defragmenter utility will _____. Make the hard drive work more efficiently

Running the disk cleanup utility is a quick way to clear out unnecessary files

To remove all the changes made to your system, the Windows ___ utility returns your computer to the state it was in when it came from the factory.

Refresh

Which statement pertaining to system reliability is FALSE? An accumulation of temporary internet files has no effect on your computer's overall performance

To securely erase data, the U. S Department of Defense suggests that the data be overwritten ___ times. seven

The CPU is composed of the control unit and the ___ unit arithmetic logic

The process the CPU performs for each program instruction is called the machine cycle

_____ is a feature of a CPU that allows it to begin to fetch the next instruction before it has finished executing the current one. Hyperthreading

fiber-optic made up of plastic or glass and transmits data at extremely fast speeds

twisted pair made up of copper wires

coaxial cable single copper wire surrounded by layers of plastic

peer-to-peer each node can communicate directly with every other node on the network

client/server central computer provides information and resources to other computers

MP3 digital music file format

MP portable media player

MPEG-4 digital video file format

GPS uses satellites to locate a device

MM technology that allows the sending of text, sound, images, and video clips

resolution number of data points used to capture and image

Bluetooth uses radio waves to transmit data

analog continuous sound or light waves

SMS text messaging

data plan determines the cost and amount of data transfer for mobile devices

The Form 1 3D printer founders used the crowdfunding site _____ to ask for \$100,000 in pledges. Kickstarter

The term _____ refers to the use of a single unifying device that handles media, Internet, entertainment, and telephone needs. digital convergence

What is iOS? An operating system for mobile devices

The operating system of a cell phone is stored in _____ ROM

The primary input devices for smartphones are _____ microphone and touch pad

Many mobile devices include a micro _____ port. USB

Text messaging is also called _____. short message service (SMS)

SMS messages are limited to a maximum of _____ characters. 160

You can send messages that include photos and videos between mobile devices using _____ technology. multimedia message service (MMS)

An Internet connectivity plan is also known as a _____ plan. data

All of the following are advantages of VoIP EXCEPT _____ Excellent reliability during Internet or power outages

_____ is a very well-known free VoIP provider Skype

The global positioning system is a network of 21 _____ plus 3 working spare satellites

A main difference between the tablet and the smartphone is the _____ screen size

Which of the following mobile devices is the lightest? Smartphone

iOS and Android are _____ for tablets and smartphones. operating systems

The Apple iPhone uses a version of Apple's _____ as its operating system. OS X

When using a cell phone, a(n) _____ converter chip changes your voice's sound waves into digital signals. Analog-to-digital and analog to digital

Google _____ is an online store delivering software for mobile devices. play

Each cell in a cellular network is a geographic area centered on _____ station, which is a large communications tower. base transceiver

Which of the following is NOT an example of a smartphone OS? Linux

You are most likely to find a real-time operating system (RTOS) in your automobile.

Borrowing hard drive space to optimize RAM storage is known as virtual memory.

If your computer can't store all the required OS data in RAM, it can use a temporary file on the hard drive to store data. This is known as a _____ file. swap

To decide if your current system is still useful for you check each subsystem to see how it is performing during your work day.

Which of the following is true? The CPU contains the ALU.

RAID 0 cuts the time it takes to write a file to disk in half True

SuperFetch is a memory-management technique that pulls info from your hard drive into RAM True

When using 7.1 surround sound there are a total of 8 speakers

Windows creates "restore points" so that you can return your system to the way it was before you installed new software.

SSD startup drives will reduce the amount of time to boot up True

Donating your computer will not necessarily put you at risk for identity theft False

Which type of Internet connection requires hardware to be installed outside your home? Satellite

Network adapters installed internally in a device are called NICs True

Which of the following can be used to add additional ports to your network?

Switch

To determine what devices are connected to your router, you should log into an account associated with your router's IP address.

Which of the following is NOT a reason to connect your digital entertainment device to your home network? Your stored entertainment files are more secure when connected to a home network.

Which of the following is NOT an operating system for a smartphone? HTC

A cell phone is cellular because it uses a network made up of cells or base transceiver stations

Which of the following is false? Your phone can only be connected to the Internet if there is a WiFi network available

An example of an open source OS is Linux

Each device attached to your computer needs a device driver to communicate with the OS True

The first step of the boot process is the power on self test False

Which of the following is NOT considered an accessibility utility? system restore

Apps specifically designed for Windows 8 run full screen

The Windows app used for file management is File Explorer

If you place a document from your C; drive in the recycle bin in windows it remains on your hard drive until you empty the recycle bin

the ___ utility is used for detecting lost files and fragments of files on your hard drive
error checking

You can terminate nonresponsive programs with Task Manager
True

System restore points can only be created by Windows automatically on a regular schedule
False

Moore's law refers to the number of transistors inside a CPU chip

You would not want to consider overclocking if you want to keep the warranty on your system

The amount of time your current CPU is working is called CPU usage

The most common type of video memory is a modern video card is GDDR5

You can run multiple monitors on your system only if you have a video card that supports more than one monitor

An audio MIDI interface box lets you connect your computer to guitars and microphones

Which of the following would NOT be a benefit of networking computers?

Sharing software licenses

Megabit per second is usually used to measure both a and b

Which of the following is an example of a locally administered network? P2P network

What do you need to get wireless internet access at home? Wireless router

802.11ac is the current wireless Ethernet standard True

Which of the following might cause interference or poor connectivity between nodes on a wireless network? All of the above

What device would be useful to amplify a wireless signal? Wireless range extender

Home network servers are used for file management tasks on a home network true

All devices must run the same version of an operating system to connect to a home network false

VOIP is a service that lets you place phone calls using the internet as the network

Which of the following is NOT a mobile device? Base transceiver station

Every smartphone contains a GPS chip True

A WiFi network is always faster than a 4G network False

Analog signals are different than discrete signals because analog waves are continuous

Which is NOT true about self-publishing? Self-publishing means your work will have a limited reach to readers.

To play digital music files you can use All of the above

Streaming music services allow you to Subscribe monthly and have access to millions of songs

A digital camera's resolution is measured in MP

Digital video can be stored in an /mpg, file, a. mpeg file or a mp4 file True

The aspect ratio of an HD television is more square than that of a standard definition TV False

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