



PC Networking Review

INSTRUCTIONS: The following screens contain a series of questions and answers you should know about this subject. Read the stem of the question, review your notes, and then write down the answer the question. The correct answer can be found on the next screen. Review and compare your answer with mine. If they match... Great! If they don't... You have some studying to do before you take the module exam.

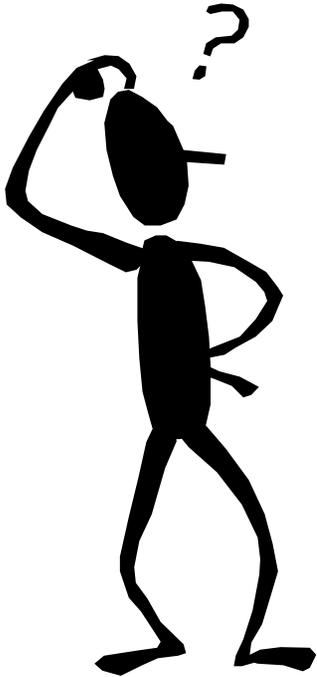
The software used to view HTTP documents downloaded from the Internet is called a...



Browsers are internet tools used to view HTTP documents.



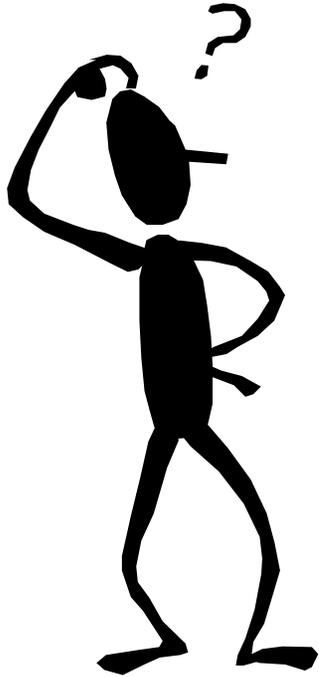
Which of the following methods cannot be used to network a PC?



If you have two systems, a null modem or cross-over cable can be used. In a small office or home office 10Base2 is a cheap way to connect PCs. Infrared and radio frequency are also becoming very popular as are cheap network hubs and switches.



What Windows utility can be used to display a PC's MAC address?



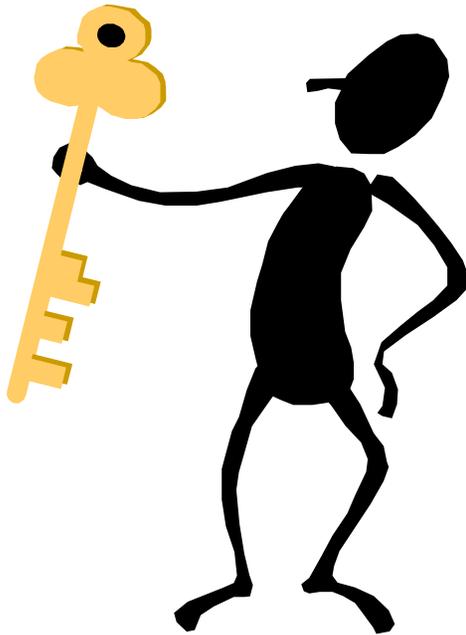
WINIPCFG is a Windows utility that is used to display a PC's MAC address as well as other information.



Bridges function using only MAC addresses. How does this correlate to the OSI model?



Bridges work at the data-link layer of the OSI model or layer 2. Bridges have only the ability to look at the destination MAC address in a packet and make a forwarding decision based on it.



What TCP/IP utility can be used to display the IP configuration of a networked PC?



The IPCONFIG utility is available on Windows 98 and above. It displays the computer's IP address and Subnet Mask.



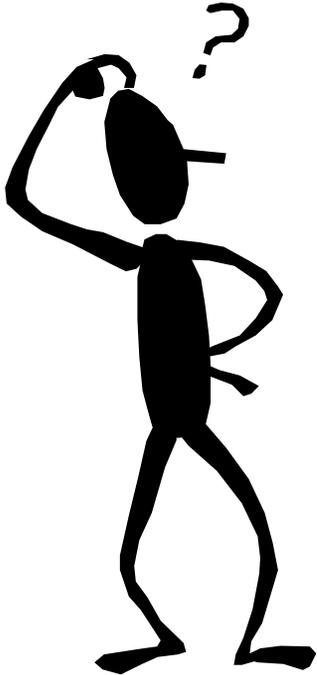
If a PC is connected to two additional PCs in a row, what type of topology is being used?



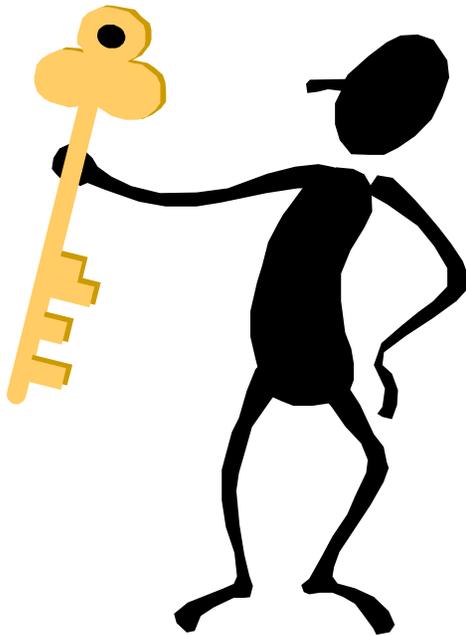
10Base2 networks are a good example of bus topology. Each station is directly connected to the station to its left and right. If anything breaks the cable or connection at any point the entire segment will stop functioning.



What is the most common networking protocol / topology for all networks?



The Ethernet / Bus is the most common networking protocol / topology with Ring / Token Ring running a close second.



Which networking technology uses token passing to ensure that there are zero collisions on the network?



Token Ring and FDDI both use token passing. You can run Ethernet over Fiber Optic creating a non-token carrying network. In general Fiber Optic's are FDDI and they are token carrying but be ware of the wording of a question or options to be certain.



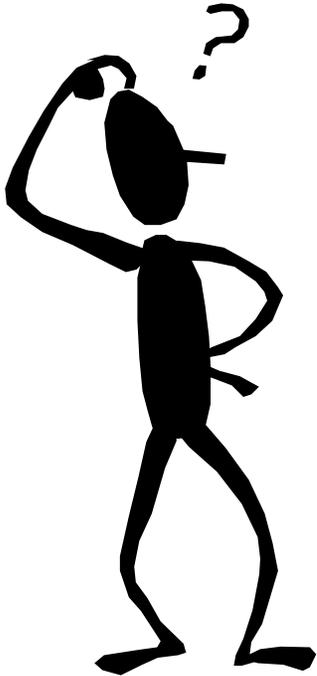
What protocol is used to dynamically provide IP configuration data to a networked workstation?



The Domain Name System (DNS) is implemented globally as well as locally to translate IP address to domain names and vice versa.



What causes network slowdown?



Since 10Base2 is a broadcast technology, the addition of a significant number of workstations would cause a noticeable network slowdown. 10Base2 networks are a bus Ethernet network, meaning that they are a shared bandwidth. The more stations you add, the slower the network becomes.

