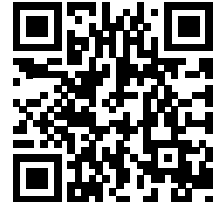


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# Understanding Internet Protocols



The \_\_\_\_\_ is a vast network that connects computers all over the \_\_\_\_\_ . Through the Internet, people can share information and communicate from anywhere with an \_\_\_\_\_ point. At the heart of this network are Internet \_\_\_\_\_ , which are sets of rules that allow computers to \_\_\_\_\_ with each other. One of the most important protocols is the \_\_\_\_\_ Control Protocol (TCP), which ensures that \_\_\_\_\_ sent from one computer to another arrives intact. TCP works closely with the \_\_\_\_\_ Protocol (IP), which assigns unique addresses to each device on the \_\_\_\_\_ . Together, TCP/IP allows data to be sent across the network in \_\_\_\_\_ , ensuring that even if some packets take different routes, they all reach their \_\_\_\_\_ . Another key protocol is the \_\_\_\_\_ Transfer Protocol (HTTP), which is used for transmitting web pages. When you visit a website, your \_\_\_\_\_ uses HTTP to request pages from a server. This process is made secure by HTTPS, which adds a layer of \_\_\_\_\_ . For sending emails, the Simple Mail Transfer Protocol ( \_\_\_\_\_ ) is used, while the Post Office Protocol (POP) and Internet Message Access Protocol (IMAP) allow you to retrieve those \_\_\_\_\_ . To share files directly between systems, the File Transfer Protocol ( \_\_\_\_\_ ) is often used. These protocols are crucial for the \_\_\_\_\_ of the Internet, ensuring that information can be shared and accessed \_\_\_\_\_ . As technology evolves, new protocols are developed to meet changing needs, keeping the Internet \_\_\_\_\_ , secure, and accessible to all.

Internet encryption protocols functionality browser Hypertext FTP  
communicate fast emails access network packets data destination  
SMTP Internet Transmission world globally