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Hello HF family! I have done a basic outline summary of understanding different network protocols. This is useful in beginner hacking, by knowing which network types are which.

You can find out what ip/port belongs to each protocol.

? Transmission Control Protocol (TCP): TCP is a connection-oriented protocol that ensures reliable communication between devices by establishing a connection, and retransmitting any lost packets.

? Internet Protocol (IP): IP is a standard protocol that governs how data packets are routed from one network to another. It is responsible for addressing and routing packets across the network.

? Hypertext Transfer Protocol (HTTP): HTTP is a protocol used for transferring Hypertext Markup Language (HTML) files on the World Wide Web. It defines how web browsers communicate with web servers to retrieve web pages and other resources.

? File Transfer Protocol (FTP): FTP is a protocol used for transferring files between a client and a server on a network. It allows users to upload, download, and manage files on a remote server.

? Simple Mail Transfer Protocol (SMTP): SMTP is a protocol used for sending and receiving email messages over a network. It defines how email servers communicate to route and deliver emails to their destinations.

? Domain Name System (DNS): DNS is a protocol used to translate domain names into IP addresses. It is essential for accessing websites and other resources on the internet by resolving domain names to their corresponding IP addresses.

? Secure Shell (SSH): SSH is a protocol used for secure remote access to a computer or server over a network. It provides encrypted communication channels for secure data transfer and remote management.

? Simple Network Management Protocol (SNMP): SNMP is a protocol used for monitoring and managing network devices, such as routers, switches, and servers. It allows network administrators to collect and organize information about network performance and availability.

? Border Gateway Protocol (BGP): BGP is a protocol used for routing and exchanging routing information between autonomous systems on the internet. It helps determine the most efficient paths for data packets to reach their destinations.

Thanks for reading this tutorial!