

1. Why does an IP driver need to use ARP, the address resolution protocol?

IP is a logical network. An IP address is meaningless on a physical network, such as ethernet. ARP is used to find an address for the physical network (link-layer address) that corresponds to the logical (network-layer) address of IP.

Why is the use of the socket buffer (sk\_buff) crucial for the efficient implementation of a network stack?

Without it, we'd be copying packet data for each layer of the network stack.

3. Why is file sharing problematic under AFS?

AFS provides session semantics. Each system has its own cached version of a download file. The last system to close a file causes an upload of that version which then overwrites any changes made by other systems.



































































