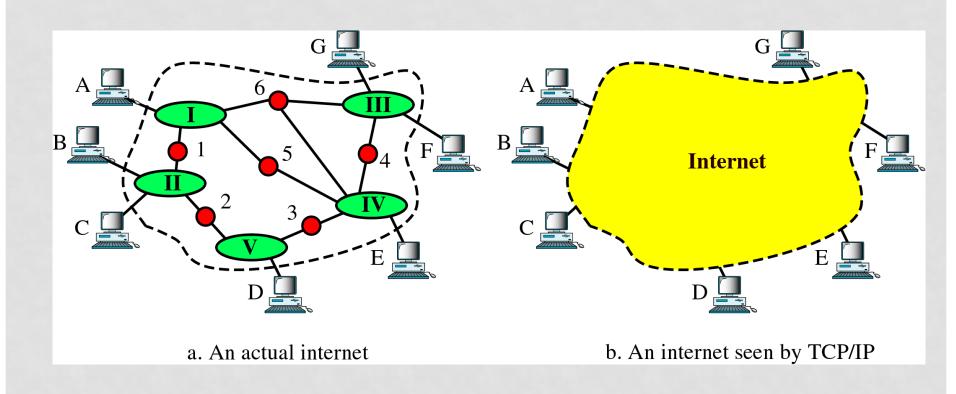
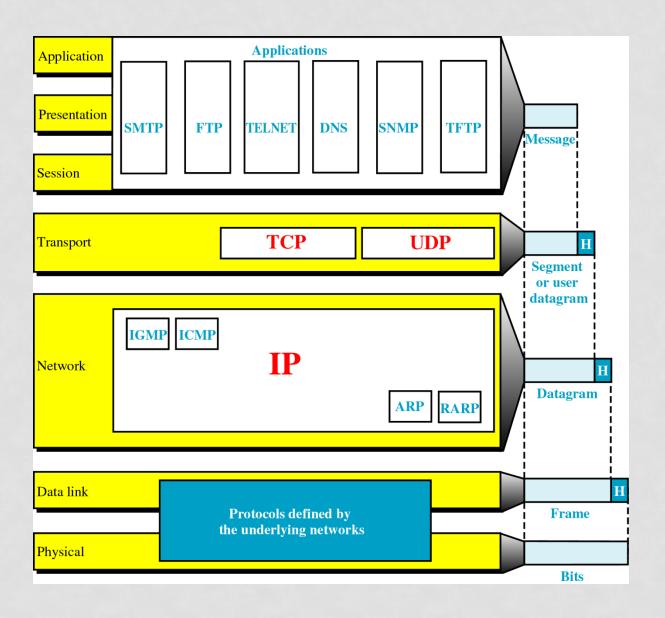
# TCP/UDP

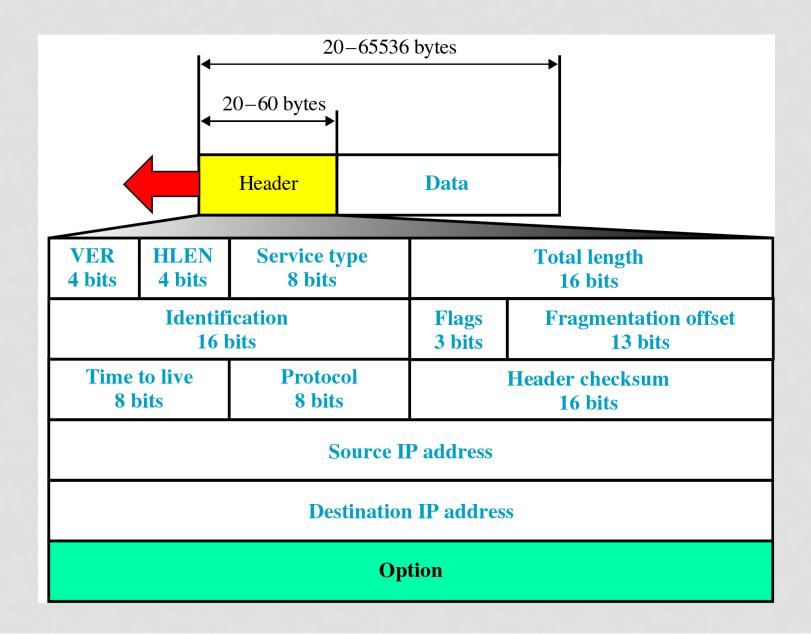
# An Internet According to TCP/IP



#### TCP/IP and the OSI Model



## **IP Datagram**



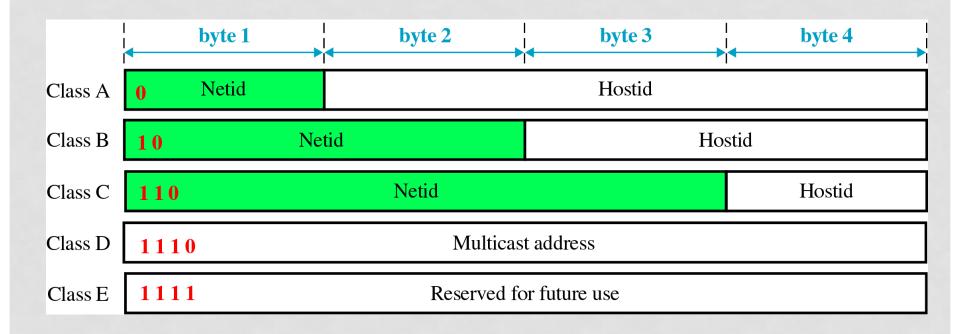
#### **Internet Address**

An Internet address is made of four bytes (32 bits) that define a host's connection to a network.

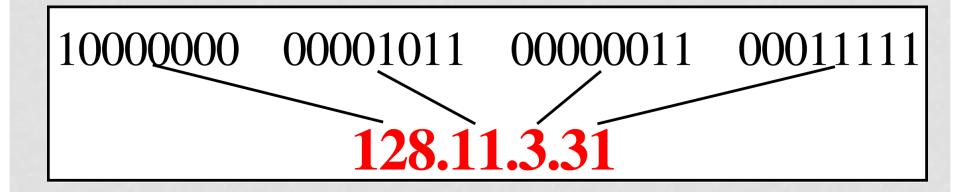
Class
Type

Netid Hostid

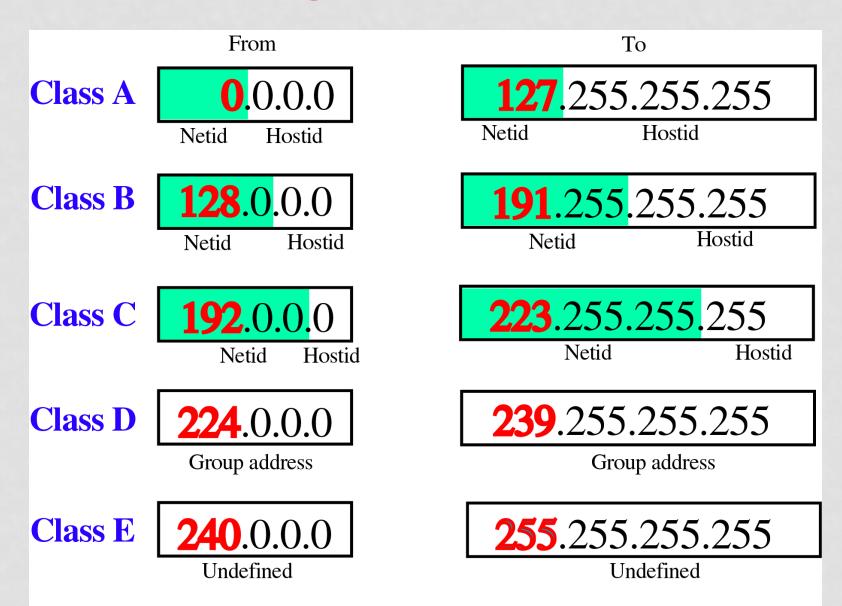
#### **Internet Classes**



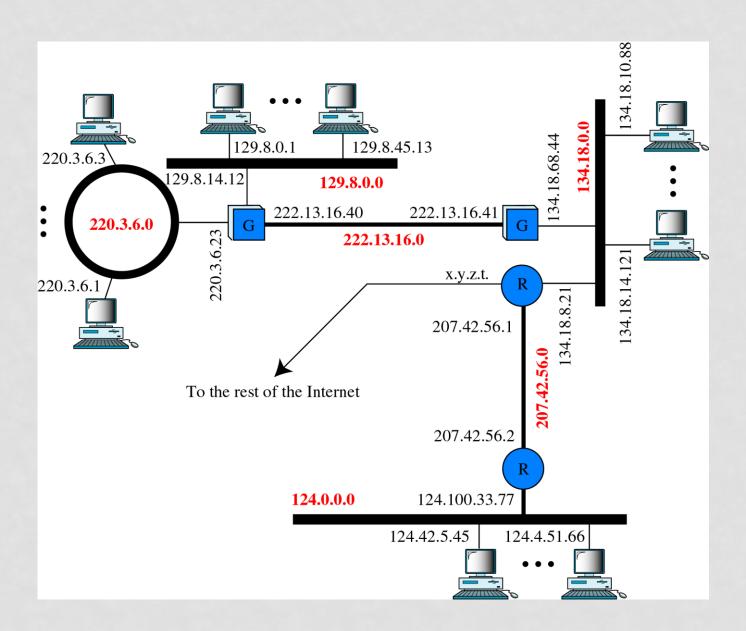
#### **IP Addresses in Decimal Notation**



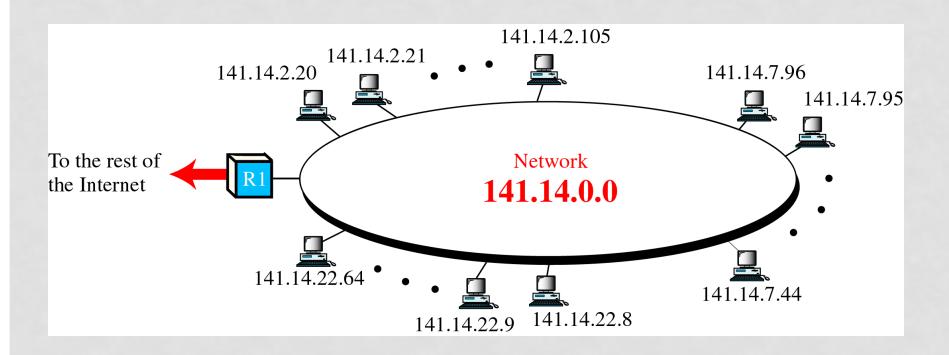
## **Class Ranges of Internet Addresses**



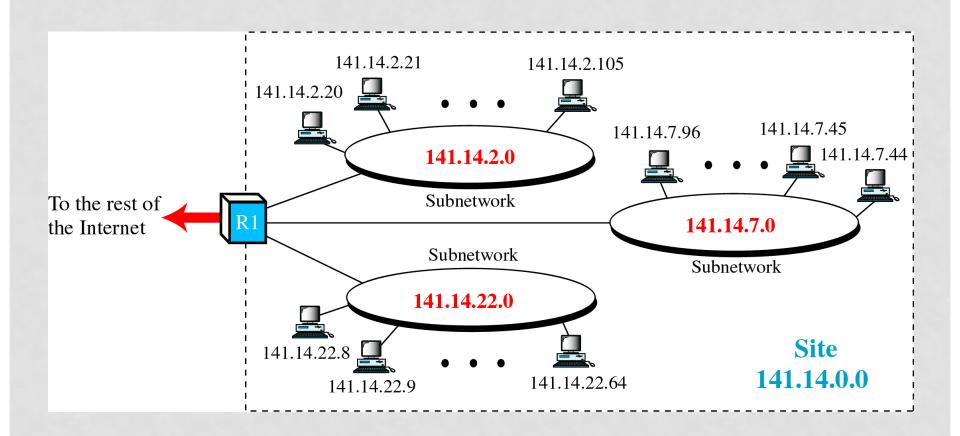
#### **Network and Host Addresses**



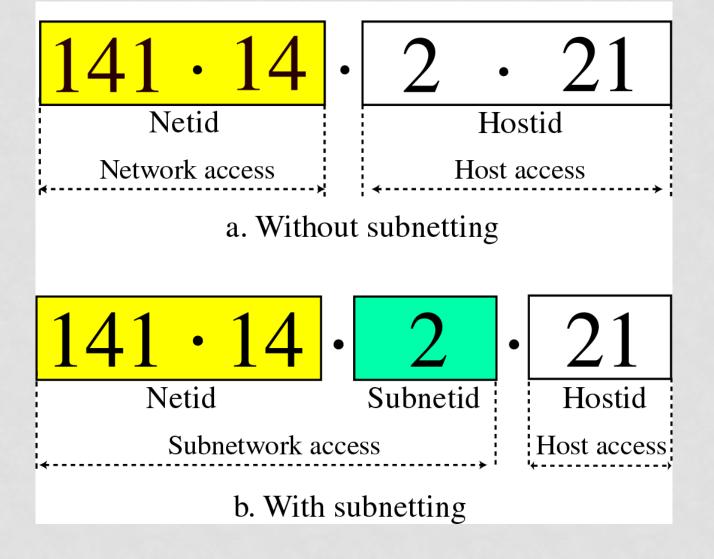
## A Network with Two Levels of Hierarchy



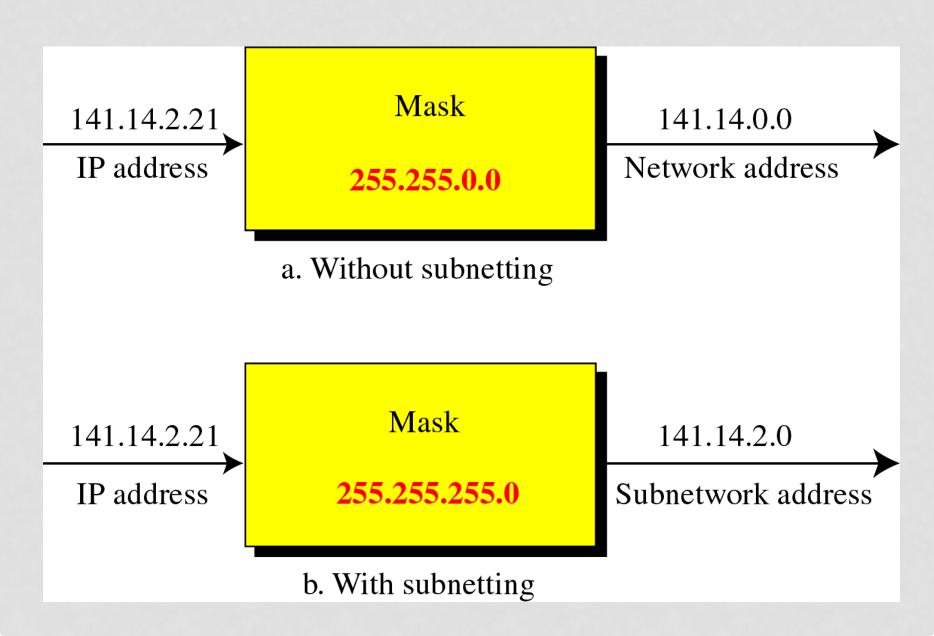
#### A Network with Three Levels of Hierarchy



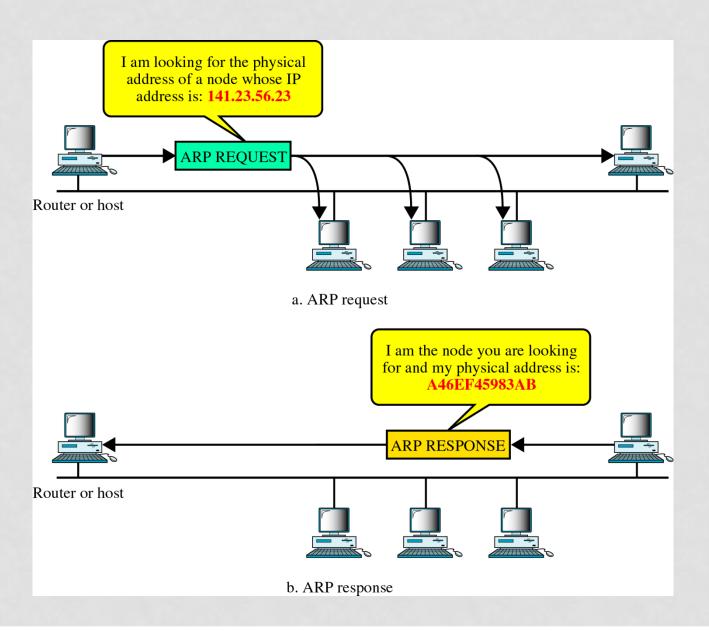
## Addresses with and without Subnetting



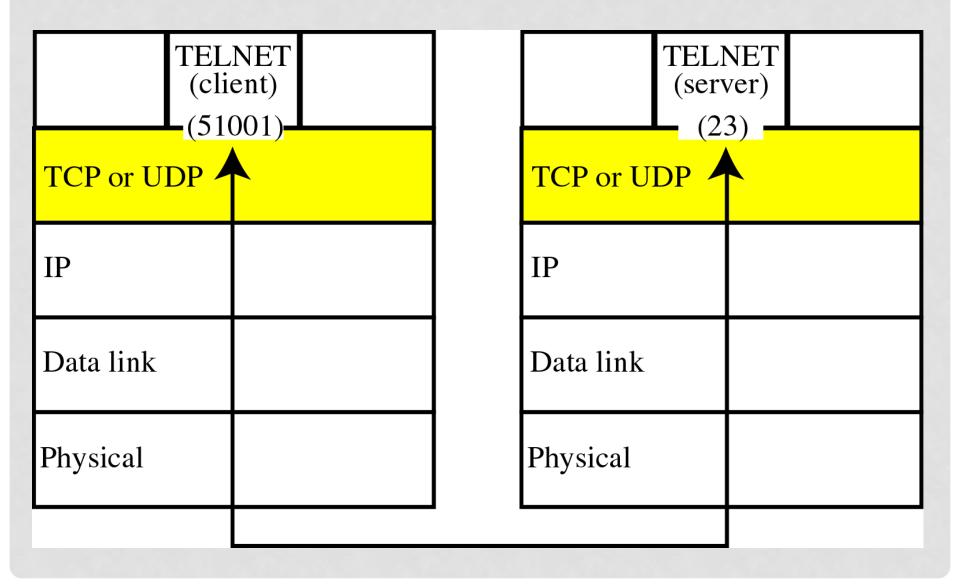
# Masking



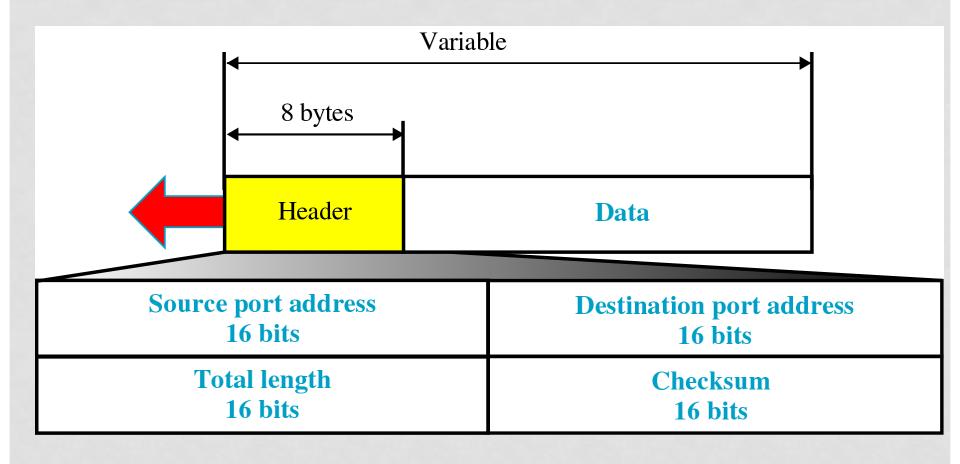
#### **ARP**



#### **Port Addresses**



## **UDP Datagram Format**



## **TCP Segment Format**

