

CS 176A: Acronym Dictionary

Chapter 4: Define each of these acronyms and indicate what phrase the acronym represents.

- SDN - Software-Defined Networking
 - A remote controller computes and installs forwarding tables in routers to manage network traffic
- FIFO - First in First Out
 - Data processing scheme where the first piece entered is the first one dealt with in the queue
- WFQ - Weighted Fair Queuing
 - A network scheduling algorithm where bandwidth is distributed based on the weight of each flow of traffic going through the network
- IP - Internet Protocol
 - Rules which govern the data format sent over networks and enable more efficient communication via packet routing
- TTL - Time to Live
 - Used with IP to limit the maximum number of hops that are allowed to be taken through a network before the packet is just discarded
- MTU - Maximum Transmission Unit
 - The largest size packet that can be sent (in bytes) across a network connection
- CIDR - Classless Inter-Domain Routing
 - A method for allocating and routing IP addresses to keep it efficient and allocate space more flexibly than traditional methods
- NAT - Network Address Translation
 - Used by routers to translate the public IP addresses used on the internet to a private IP address that can be used locally
- DHCP - Dynamic Host Configuration Protocol
 - A network management protocol where IP addresses are assigned dynamically and can be configured with respect to each other so that a user can communicate with specific devices within the network