

TCP Terminology

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- *Active open connection* A TCP connection that a host has initiated i.e it sent the SYN
- *Passive open connection* A TCP connection that is in state LISTENING
- *Pure ACK* A TCP segment containing no data, just acknowledging sent data
- *Nagle algorithm* The Nagle algorithm prevents the sending of a small segments if there are any outstanding unacknowledged data. This reduces the amount of *tinygrams* being sent. It is particularly elegant because on fast LAN ACKs will arrive quickly (such that the algorithm has minimal effect) whereas on a slow WAN the ACKs will arrive more slowly, so there will not be so many tinygrams. Users of high-speed networks, where capacity is not a significant issue but OWD is, may choose to disable the Nagle algorithm.