# Queuing Algorithms TLDR

Hurtig opsummering af queuing algorithms

 **FIFO (First-In, First-Out)**: Packets are processed in the order they arrive without any prioritization. It's simple and fast but not suitable for time-sensitive traffic. (suitable for large links, with little delay, and minimal congestion)

 **WFQ (Weighted Fair Queuing)**: Assigns different weights to traffic flows based on packet characteristics, providing fair bandwidth distribution and prioritizing low-volume, interactive traffic over high-volume flows.

 **CBWFQ (Class-Based Weighted Fair Queuing)**: Extends WFQ by allowing user-defined traffic classes with specific bandwidth and queue limits, offering more precise control over traffic prioritization.

 **LLQ (Low Latency Queuing)**: Enhances CBWFQ with strict priority queuing for delay-sensitive traffic like voice, ensuring such traffic is processed before others to minimize delay and jitter.