Video Tutorial – QoS Algorithms (2 min)

If we look at the queuing strategies for QoS, FIFO Queuing or First in, First out Queuing is basically the absence of QoS. In other words packets that enter the router, leave the router in the same order. Compare this with QoS and Weighted Fair Queuing or WFQ and packets that come into a router let's say, are then classified and prioritized based on the classification. High classification packets are prioritized when they're sent out of the router. A newer form of Weighted Fair Queuing is Class Based Weighted Fair Queuing, where specific classes of traffic can be configured by the administrator and used to prioritize different types of traffic.

In order to guarantee that voice traffic is prioritized to the point that there's no drop offs. Low-Latency Queuing can be used with Class Based Weighted Fair Queuing to prioritize voice packets above all else, ensuring that voice calls will not drop off. The example you see here is a combination of Low Latency Queuing of priority Q in combination with Class Based Weighted Fair Queuing to achieve that very result.