

# Introduction

9.0.1

## Why should I take this module?



## Welcome to QoS Concepts!

Imagine driving on a heavily congested road and you are in a rush to meet a friend for dinner. You hear the siren and see the lights of an ambulance behind you. You need to move off the road to let the ambulance through. The ambulance getting to the hospital takes priority over you getting to the restaurant on time.

Much like the ambulance taking priority in the traffic on the highway, some forms of network traffic need priority over others. Why? Get started with this module to find out!

9.0.2

## What will I learn to do in this module?



**Module Title:** QoS Concepts

**Module Objective:** Explain how networking devices implement QoS.

Topic Title	Topic Objective
Network Transmission Quality	Explain how network transmission characteristics impact quality.
Traffic Characteristics	Describe minimum network requirements for voice, video, and data traffic.
Queuing Algorithms	Describe the queuing algorithms used by networking devices.
QoS Models	Describe the different QoS models.
QoS Implementation Techniques	Explain how QoS uses mechanisms to ensure transmission quality.