Enabling TCP Congestion Avoidance on SX500 Series Stackable Switches

Objective

TCP Congestion Avoidance is a technique which includes additive increase or multiplicative decrease and slow start schemes to avoid congestion in the network. When a TCP session is established, it is highly possible that network congestion can result between the TCP end points, which results in the loss of segments transmitted. Flow control does not address congestion problems, to address these problems a set of congestion avoidance algorithms are introduced. These algorithms allow TCP to better prioritize important packets which helps avoid congestion.

The objective of this document is to explain how to enable TCP congestion avoidance on Sx500 Series Stackable Switches.

Applicable Devices

- Sx500 Series Stackable Switches

Software Version

- 1.3.0.62

Enable TCP Congestion Avoidance

Step 1. Log in to the web configuration utility and choose **Quality of Service > General > TCP Congestion Avoidance**. The *TCP Congestion Avoidance* page opens:

Step 2. Check **Enable** to enable TCP Congestion Avoidance.

Step 3. Click **Apply**. TCP Congestion Avoidance is written to the running configuration file.