Troubleshooting QoS Policies

This section provides solutions for troubleshooting QoS policies.

Troubleshooting Cisco APIC QoS Policies

The following table summarizes common troubleshooting scenarios for Cisco APIC QoS.

Problem	Solution

Unable to update a configured QoS policy.	1. Invoke the following API to ensure that `qospDscpRule` is present on the leaf.
	
	`GET https://192.0.20.123/api/node/class/qospDscpRule.xml`
	
	2. Ensure that the QoS rules are accurately configured and associated to the EPG ID to which the policy is attached.
	
	Use the following NX-OS style CLI commands to verify the configuration.
	
	`leaf1#`
	`show vlan`
	
	`leaf1#`
	`show system internal aclqos qos policy detail`
	
	`apic1#`
	`show running-config tenant` *tenant-name* **`policy-map type qos`** *custom-qos-policy-name*
	
	`apic1#`
	`show running-config tenant` *tenant-name* **`application`** *application-name* **`epg`** *epg-name*

Problem	Solution

Show QoS interface statistics.	CLI displays statistics for eth1/1 for only QoS classes – level1, leve2, level3, level4, level5, level6, and policy-plane – if you don't use "detail" option.
	
	`NXOS ibash cli:`
	`tor-leaf1# show queuing interface ethernet 1/1 [detail]`
	
	If you want to display statistics for control-plane and span classes for an interface, you need to use CLI with the "detail" option.
	
	Example: fabric 107 show queuing interface ethernet 1/1 detail
	
	`APIC CLI:`
	`swtb123-ifc1# fabric node_id show queuing interface ethernet 1/1`