

Custom Queuing and Routing Updates

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Questions

Introduction

If custom queuing has been configured, do routing protocol updates such as Link–State Advertisements (LSAs) for Open Shortest Path First (OSPF) and broadcasts for Routing Information Protocol (RIP) and Interior Gateway Routing Protocol (IGRP) get queued in the special system queue 0, or do they get queued in the IP queue?

Related Information

Introduction

This document provides information to answer a question about custom queuing and routing updates.

Q. If custom queuing has been configured, do routing protocol updates such as Link–State Advertisements (LSAs) for Open Shortest Path First (OSPF) and broadcasts for Routing Information Protocol (RIP) and Interior Gateway Routing Protocol (IGRP) get queued in the special system queue 0, or do they get queued in the IP queue?

A. In addition to low level keepalives, some protocols — whose traffic is originated by the router — use queue 0 for their time critical packets. Specifically:

- ◆ ISO IGRP hellos
- ◆ ESIS hellos
- ◆ ISIS hellos
- ◆ DECnet hellos
- ◆ SLARP address resolution
- ◆ EIGRP hellos
- ◆ OSPF hellos
- ◆ Router syslog messages
- ◆ Spanning tree keepalives

Related Information

- Congestion Management Overview
 - Configuring Custom Queueing
 - QoS Congestion Management (queueing) Support Page
 - Technical Support & Documentation – Cisco Systems
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