How to Measure Frame Relay Drops Using SNMP

Document ID: 13501

Introduction

Tracking Frame Relay drops allows you to monitor speed mismatch congestion on the router data terminal equipment (DTE) output queue.

This document shows you how to track Frame Relay drops using Simple Network Management Protocol (SNMP).

Note: There is no way to keep track of drops in the service provider network.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

The information in this document applies to all devices that support the CISCO−FRAME−RELAY−MIB.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

Tracking Frame Relay Drops

From CISCO−FRAME−RELAY−MIB, **cfrCircuitDropPktsOuts** indicates the number of drops on a given Frame Relay circuit.

```
.1.3.6.1.4.1.9.9.49.1.2.1.1.3
cfrCircuitDropPktsOuts OBJECT−TYPE
        −− FROM CISCO−FRAME−RELAY−MIB
        SYNTAX          Counter
        MAX−ACCESS      read−only
        STATUS          Current
        DESCRIPTION    "Number of discarded packets that were to be sent."
```

```
::= { iso(1) org(3) dod(6) internet(1) private(4) enterprises(1) cisco(9) ciscoMgmt(9)
ciscoFrameRelayMIB(49) ciscoFrMIBObjects(1) cfrCircuitObjs(2)cfrCircuitTable(1)
cfrCircuitEntry(1) 3 }
```

Related Information

- **Technical Support − Cisco Systems**

Updated: Nov 01, 2005 Document ID: 13501