

Chapter 19

Interpreting the Enterprise-Specific Destination Class Usage MIB

The enterprise-specific destination class usage (DCU) Management Information Base (MIB) counts packets from customers by performing a lookup of the IP destination address. DCU makes it possible to track traffic originating from the customer edge and destined for specific prefixes on the provider core router.

The DCU MIB is a subbranch of the `jnxMibs` branch of the enterprise-specific MIB (enterprise 2636) and has an object identifier of `{jnxMIB 6}`. The DCU MIB has one branch, `jnxDCUs`, which contains two tables: `jnxDCUsTable` and `jnxDcuStatsTable`. For information about configuring source and destination class usage, see the *JUNOS Policy Framework Configuration Guide* and *JUNOS Network Interfaces and Class of Service Configuration Guide*. For a downloadable version of this MIB, see www.juniper.net/techpubs/software/junos/junos71/swconfig71-net-mgmt/html/mib-jnx-dcu.txt.

This chapter contains the following topics:

`jnxDCUsTable` on page 295

`jnxDcuStatsTable` on page 296

`jnxDCUsTable`

The entries in the `jnxDCUsTable`, whose object identifier is `{jnxDCUTable 1}`, are represented by `jnxDCUsEntry` and are listed in Table 43.

Table 43: `jnxDCUsEntry`

Object	Object Identifier	Description
<code>jnxDCUSrcIfIndex</code>	<code>jnxDCUsEntry 1</code>	The interface index of the ingress interface
<code>jnxDCUDstClassName</code>	<code>jnxDCUsEntry 2</code>	The destination class name specified in a routing policy and applied to the forwarding table.
<code>jnxDCUPackets</code>	<code>jnxDCUsEntry 3</code>	The number of packets passing through the network.
<code>jnxDCUBytes</code>	<code>jnxDCUsEntry 4</code>	The number of bytes passing through the network.

jnxDcuStatsTable

jnxDcuStatsTable contains statistics for traffic that satisfies the rules in each configured destination class. A separate set of statistics is kept for each destination class on each interface and address family on which this feature is enabled. This is essentially a replacement for jnxDCUStatsTable.

The entries in the jnxDcuStatsTable, whose object identifier is {jnxDCUs 2}, are represented by jnxDCUsStatusEntry and are listed in Table 44.

Table 44: jnxDCUsStatusEntry

Object	Object Identifier	Description
jnxDcuStatsSrcIfIndex	jnxDcuStatsEntry 1	The interface index of the ingress interface for traffic counted in each entry.
jnxDcuStatsAddrFamily	jnxDcuStatsEntry 2	The address family of the entry's traffic.
jnxDcuStatsClassName	jnxDcuStatsEntry 3	The name of the destination class that applies to the entry's traffic.
jnxDcuStatsPackets	jnxDcuStatsEntry 4	The number of packets received on this interface and belonging to this address family that match this destination class.
jnxDcuStatsBytes	jnxDcuStatsEntry 5	The number of bytes received on this interface and belonging to this address family that match this destination class.
jnxDcuStatsCIName	jnxDcuStatsEntry 6	The name of the destination class. This object is a duplicate of jnxDcuStatsClassName and is included to satisfy those network management applications that cannot extract the destination class name from the instance portion of the OID.