

Chapter 25

Interpret the Enterprise-Specific Passive Monitoring MIB

The passive monitoring MIB, whose object identifier is {jnxMibs 19}, performs traffic flow monitoring and lawful interception of packets transiting between two routers. This MIB allows you to do the following:

- Gather and export detailed information about Internet Protocol version 4 (IPv4) traffic flows between source and destination nodes in your network.

- Sample all incoming IPv4 traffic on the monitoring interface and present the data in cflowd record format.

- Encrypt or tunnel outgoing cflowd records, intercepted IPv4 traffic, or both.

- Direct filtered traffic to different packet analyzers and present the data in its original format.

The passive monitoring MIB has three tables: jnxPMonFlowTable, JnxPMonErrorTable, and jnxPMonMemoryTable. jnxPMonFlowTable monitors and collects statistics on the flow of traffic on a Passive Monitoring Physical Interface Card (PIC). jnxPMonErrorTable monitors and collects statistics on packet and memory errors on a passive monitoring PIC. jnxPMonMemoryTable monitors and collects statistics on memory usage on a Passive Monitoring PIC. For information about system requirements, see the *JUNOS Internet Software Feature Guide*. For a downloadable version of this MIB, see www.juniper.net/techpubs/software/junos/junos63/swconfig63-net-mgmt/html/mib-jnx-pmon.txt.

This chapter documents only `jnxPMonFlowTable`.

This chapter contains the following topic:

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`jnxPMonFlowTable`

`jnxPMonFlowTable` has an object identifier of `{jnxPMon 1}`. Its entries are represented by `JnxPMonFlowEntry`, which contains the objects listed in Table 51.

Table 51: `jnxPMonFlowEntry`

Object	Object Identifier	Description
<code>jnxPMonCurrentActiveFlows</code>	<code>jnxPMonFlowEntry 1</code>	Monitors the number of currently active flows on a Passive Monitoring PIC.
<code>jnxPMonTotalFlows</code>	<code>jnxPMonFlowEntry 2</code>	Monitors the total flows on a Passive Monitoring PIC.
<code>jnxPMonTotalFlowsPackets</code>	<code>jnxPMonFlowEntry 3</code>	Monitors the total packet flows on a Passive Monitoring PIC.
<code>jnxPMonTenSecondAverageFlowPackets</code>	<code>jnxPMonFlowEntry 4</code>	Monitors the number of packets in all flows in a 10-second average on a Passive Monitoring PIC.
<code>jnxPMonTotalFlowsBytes</code>	<code>jnxPMonFlowEntry 5</code>	Monitors the number of total of bytes in all flows on a Passive Monitoring PIC.
<code>jnxPMonTenSecondAverageFlowBytes</code>	<code>jnxPMonFlowEntry 6</code>	Monitors the number of bytes in all flows in a 10-second average on a Passive Monitoring PIC.
<code>jnxPMonTotalFlowsExpired</code>	<code>jnxPMonFlowEntry 7</code>	Monitors the number of total flows expired on a Passive Monitoring PIC.
<code>jnxPMonTotalFlowsAged</code>	<code>jnxPMonFlowEntry 8</code>	Monitors the number of total flows aged on a Passive Monitoring PIC.
<code>jnxPMonTotalFlowsExported</code>	<code>jnxPMonFlowEntry 9</code>	Monitors the number of total flows exported on a Passive Monitoring PIC.
<code>jnxPMonTotalFlowsPacketsExported</code>	<code>jnxPMonFlowEntry 10</code>	Monitors the number of total flow packets exported on a Passive Monitoring PIC.