



Discarded Packet Statistics

This feature provides a new statistical report showing the number of packets dropped by the DBE when it cannot match the address and port masks specified through the gate management package for media or signaling flows.

History of Support for This Feature

Release	Modification
Release 3.5.0	First time feature introduced.
Release 3.6.0	No modification.

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Displaying Discarded Packet Statistics

The following new show command is introduced:

```
show services sbc sbc-name dbe [media-flow-stats | signaling-flow-stats] [vrf vrf-name [ipv4 A.B.C.D [port port-number]]]
```

The parameters of this command are defined below:

Parameters	Value	Description
<i>sbc-name</i>	<i>MySBC</i>	The SBC service name.
<i>vrf-name</i> (optional)	<i>vpn3</i>	Only display media flows to/from this VPN
<i>ipv4</i> (optional)	<i>A.B.C.D.</i>	Only display media flows to/from this IPv4 media address
<i>port-number</i> (optional)	<i>xxxxxx</i>	Only display media flows to/from this port

Displaying Discarded Packet Statistics: Example

```
RP/0/RP0/CPU0:P1_CR5-8(config)# show services sbc my sbc dbe media-flow-stats [vrf vpn3
ipv4 10.1.1.1 port 24000]
```

```
SBC Service mySbc
  mediaFlow 1
    FlowPairState Open
    GateAge 15340 ms
    CallPriority Normal
    FlowPairBandwidth 1500
    DtmfPacketsQueued 0
    ContextId 1
    StreamId 1
    Side A
    Name tcc/voice/gn/0/1/0/1/ac/2
    VpnId vpn3
    LocalAddress 10.1.1.1
    LocalPort 24000
    RemoteAddress 192.168.1.1
    RemotePort 32420
    RemoteSourceAddressMask 192.168.1.0/20
    RtpPacketsRcvd 300
    RtpOctetsRcvd 6000
    RtpPacketsSent 100
    RtpOctetsSent 2000
    RtpPacketsDiscarded 0
    RtpOctetsDiscarded 0
    EndPointPacketsSent 300
    EndPointPacketsRcvd 97
    EndPointPacketsLost 1
    GmDiscardedPackets 2
    DtmfInterworking No
    MediaFlowing Yes
    RouteError No
    BillingId 12AB3C4D567124C7124C12DE
    Side B
    Name tcc/voice/gn/0/1/0/1/ac/2
    VpnId <none>
    LocalAddress 10.1.1.2
    LocalPort 24002
    RemoteAddress 172.192.2.3
    RemotePort 24002
    RtpPacketsRcvd 100
    RtpOctetsRcvd 2000
    RtpPacketsSent 300
    RtpOctetsSent 6000
    RtpPacketsDiscarded 0
    RtpOctetsDiscarded 0
    EndPointPacketsSent 100
    EndPointPacketsRcvd 300
    EndPointPacketsLost 0
    GmDiscardedPackets 0
    DtmfInterworking No
    MediaFlowing Yes
    RouteError No
    BillingId 5DAB3C4D153624C7124E1234
```

Additional explanations of the values of the DBE media flow statistics are given below:

Parameters	Value	Description
<i>Media flowing</i>	<i>Yes/No</i>	<p>Yes = Either:</p> <ul style="list-style-type: none"> Media was observed flowing on the call within the media-timeout period. Call failed over within the last media timeout. SBC has not yet had a chance to observe whether media are flowing or not. <p>No = Pinhole was created, but no media are flowing.</p>
<i>Rtp</i>	<i>0 or xxxxxxxx</i>	Statistics beginning with <i>Rtp</i> are maintained and collected in real time when the command is issued.
<i>EndPoint</i>	<i>0 or xxxxxxxx</i>	<p>Statistics beginning with <i>EndPoint</i> are collected from RTCP packets transmitted by endpoints and updated when these RTCP packets are received.</p> <p>Note Not all endpoints report RTCP endpoint statistics. Those that report RTCP statistics do not always report the fields displayed in the example below.</p>

Additional References

The following sections provide references related to discarded packet statistics.

Related Documents

Related Topic	Document Title
Cisco IOS XR master command reference	Cisco IOS XR Master Commands List
Cisco IOS XR SBC interface configuration commands	<i>Cisco IOS XR Session Border Controller Command Reference</i>

Standards

Standards	Title
No new or modified standards are supported by this feature, and support from existing standards has not been modified by this feature.	—

MIBs

MIBs	MIBs Link
—	To locate and download MIBs using Cisco IOS XR software, use the Cisco MIB Locator found at the following URL and choose a platform under the Cisco Access Products menu: http://cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml

Technical Assistance

Description	Link
The Cisco Technical Support website contains thousands of pages of searchable technical content, including links to products, technologies, solutions, technical tips, and tools. Registered Cisco.com users can log in from this page to access even more content.	http://www.cisco.com/techsupport