



Traffic Monitoring Commands

This module describes the Cisco IOS XR Software commands to monitor traffic on the router.

For detailed information about monitoring traffic concepts, configuration tasks, and examples, see the *Traffic Monitoring* chapter in the *System Monitoring Configuration Guide for Cisco NCS 5500 Series Routers*.

- [show drops all, on page 2](#)

show drops all

To display the exact packet drop location in a node, use the **show drops all** command in the XR EXEC mode.

```
show drops all { commands location | location | ongoing location } { node-id | all }
```

Syntax Description	commands	Displays commands executed.
	location	Specifies location of line card or route processor.
	ongoing	Shows drops occurring since last executed.

Command Default None

Command Modes XR EXEC mode

Command History	Release	Modification
	Release 7.3.5	This command was introduced.

Usage Guidelines No specific guidelines impact the use of this command.

Task ID	Task ID	Operations
	interface	read
	cisco-support	read

The **show drops all location all** command displays packet drops for all nodes on all locations.

The command outputs given here are truncated.

```
RP/0/RP0/CPU0:ios#show drops all location all
=====
Checking for drops on 0/4/CPU0
=====
```

```
show controllers npu stats counters-all instance all location:
[np:Slot: 4, instance: 2] ENQ_DISCARDED_PACKET_COUNTER : 48
[np:Slot: 4, instance: 3] ENQ_DISCARDED_PACKET_COUNTER : 38
```

```
show controllers npu stats counters-all detail instance all location:
.
.
.
[np:Slot: 4, instance: 5] FDR P1FDRDscrdCntA : 4536
[np:Slot: 4, instance: 5] FDR P1FDRDscrdCntB : 4536
```

```
show spp node-counters:
```

```
[spp:fretta/classify] dropped in classify node: 6
[spp:fretta/classify] lnx 12 drop in classify node: 6

show controller fia statistics detail instance all location:
.
.
.
[fia:FIA Statistics Rack: 0, Slot: 4, instance: 2] FDR P1FDRDscrdCntA: 4536
[fia:FIA Statistics Rack: 0, Slot: 4, instance: 2] FDR P1FDRDscrdCntB: 4536
[fia:FIA Statistics Rack: 0, Slot: 4, instance: 2] FDR P2FDRDscrdCntA: 4536
[fia:FIA Statistics Rack: 0, Slot: 4, instance: 2] FDR P2FDRDscrdCntB: 4536

show controller fia diagshell all "diag counter nZ" location:
.
.
.
[fia:R/S/I: 0/4/0] DRCA0 DrcaCntGddr5BistDataErrGlobal: 96
[fia:R/S/I: 0/4/0] DRCA0 DrcaCntGddr5BistDbiErrGlobal: 96
[fia:R/S/I: 0/4/0] DRCB0 DrcbCntGddr5BistDataErrGlobal: 96
[fia:R/S/I: 0/4/0] DRCB0 DrcbCntGddr5BistDbiErrGlobal: 96
[fia:R/S/I: 0/4/0] DRCC0 DrccCntGddr5BistDbiErrGlobal: 96
```

The **show drops all ongoing location all** command displays the packet drops since last executed.

```
Router#show drops all ongoing location all
=====
Checking for ongoing drops on 0/4/CPU0
=====
filtering...

=====
Checking for ongoing drops on 0/4/CPU0
=====

=====
Checking for ongoing drops on 0/3/CPU0
=====

show controllers npu stats counters-all instance all location:
.
.
.
[np:Slot: 3, instance: 3] ENQ_DISCARDED_PACKET_COUNTER      : +1950

show controllers npu stats counters-all detail instance all location:
[np:Slot: 3, instance: 0] IQM1 TotDscrdByteCnt              : +133008

show controller fia statistics detail instance all location:

[fia:FIA Statistics Rack: 0, Slot: 3, instance: 0] IQM0 QueueEnqDscrdPktCnt: +1304

show controller fia diagshell all "diag counter nZ" location:
.
.
.
[fia:R/S/I: 0/3/1] IQM0 IqmQueueEnqDiscardedPacketCounter: +45
```

```

=====
Checking for ongoing drops on 0/RP0/CPU0
=====

```

```

show interfaces:
[Interface:Bundle-Ether10000] input errors: +65
[Interface:Bundle-Ether10001] input errors: +65
[Interface:Bundle-Ether10002] input errors: +65
[Interface:Bundle-Ether10003] input errors: +64
[Interface:Bundle-Ether10004] input errors: +65
[Interface:Bundle-Ether10005] input errors: +65
[Interface:Bundle-Ether10006] input errors: +65
[Interface:Bundle-Ether10007] input errors: +64
[Interface:Bundle-Ether10008] input errors: +64
[Interface:Bundle-Ether10009] input errors: +65
[Interface:Bundle-Ether20001] input errors: +65

```

```

=====
Checking for ongoing drops on 0/2/CPU0
=====

```

```

show controller fia statistics detail instance all location:
[fia:FIA Statistics Rack: 0, Slot: 2, instance: 0] IQM0 IqmCntCmdErrorsFilterA: +4590
[fia:FIA Statistics Rack: 0, Slot: 2, instance: 0] IQM0 IqmCntCmdErrorsFilterB: +4590
[fia:FIA Statistics Rack: 0, Slot: 2, instance: 0] IQM0 IrppCntCmdErrorsFilterA: +4590
[fia:FIA Statistics Rack: 0, Slot: 2, instance: 0] IQM0 IrppCntCmdErrorsFilterB: +4590
[fia:FIA Statistics Rack: 0, Slot: 2, instance: 0] IQM1 IqmCntCmdErrorsFilterA: +4590
[fia:FIA Statistics Rack: 0, Slot: 2, instance: 0] IQM1 IqmCntCmdErrorsFilterB: +4590

```

```

show controller fia diagshell all "diag counter nZ" location:
[fia:R/S/I: 0/2/0] IPS0 IpsFsmrqDelayCounter: +9
[fia:R/S/I: 0/2/0] IPS1 IpsFsmrqDelayCounter: +7
[fia:R/S/I: 0/2/1] IPS0 IpsFsmrqDelayCounter: +10
[fia:R/S/I: 0/2/1] IPS1 IpsFsmrqDelayCounter: +7

```

```

show interfaces:
[Interface:HundredGigE0/2/0/28] input errors: +113

```