Null Interface Commands

This module provides command line interface (CLI) commands for configuring null interfaces on the Cisco XR 12000 Series Router.

interface null 0

To enter null0 interface configuration mode, use the **interface null 0** command in global configuration mode.

interface null 0

Syntax Description   This command has no keywords or arguments.

Command Default   No default behavior or values

Command Modes   Global configuration

Command History

Release	Modification
Release 3.2	This command was first supported.

Usage Guidelines   When you issue the **interface null 0** command in global configuration mode, the CLI prompt changes to "config-null0," indicating that you have entered interface configuration mode for the null interface. In the following sample output, the question mark (**?**) online help function displays all the commands available under the interface configuration mode for the null interface:

```
RP/0/0/CPU0:router(config)# interface null 0
RP/0/0/CPU0:router(config-null0)#?

  commit     Commit the configuration changes to running
  describe   Describe a command without taking real actions
  do         Run an exec command
  exit       Exit from this submode
  no         Negate a command or set its defaults
  show       Show contents of configuration
```

Task ID

Task ID	Operations
interface	read, write

Examples   This example shows how to enter null0 interface configuration mode:

```
RP/0/0/CPU0:router(config)# interface null 0
RP/0/0/CPU0:router(config-null0)#
```

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show controllers null interface

To display null interface counters, use the **show controllers null interface** command in EXEC mode.

show controllers null interface

Syntax Description   This command has no keywords or arguments.

Command Default   No default behavior or values

Command Modes   EXEC

Command History

Release	Modification
Release 3.2	This command was introduced.

Usage Guidelines

Task ID

Task ID	Operations
interface	read
sysmgr	read

Examples   The following is sample output from the **show controllers null interface** command, which displays null interface counters:

```
RP/0/0/CPU0:router# show controllers null interface

Null interface:
name     : Null0
handle   : 0x00080010
rx_count : 0
tx_count : 0
drops    : 0
```

Table 1: show controllers null interface Field Descriptions

Field	Description
name	Interface whose controller information is displayed.

Field	Description
handle	Number that identifies the caps node that hosts the node whose controller information is displayed.
rx_count	Total number of packets currently received by the interface.
tx_count	Total number of packets currently transmitted by the interface.
drops	Total number of packets dropped by the interface.

Related Commands

Command	Description
show interfaces null0, on page 5	Displays null0 interfaces.

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show interfaces null0

To display null0 interfaces, use the **show interfaces null0** command with optional keywords in EXEC mode.

show interfaces null0 [**accounting rates**| **brief**| **description**| **detail**] [**location** *node-id*]

Syntax Description

accounting	Shows interface accounting option.
rates	Shows interface accounting (input/output) rates.
brief	Shows interface information in condensed format.
description	Describes interface.
detail	Shows interface information in detail.
location *node-id*	Specifies a fully qualified interface location.

Command Default   No default behavior or values

Command Modes   EXEC

Command History

Release	Modification
Release 3.6.0	This command variant was added to the existing **show interfaces** command.

Usage Guidelines   The **show interfaces null0** command displays statistics about null interfaces. When no keywords are specified, information for all null interfaces is displayed.

Task ID

Task ID	Operations
interface	read

Examples   The following example shows how to use the **show interfaces null0** command:

```
RP/0/0/CPU0:router# show interfaces null0

Null0 is up, line protocol is up
```

```
Interface state transitions: 0
Hardware is Null interface
Internet address is Unknown
MTU 1500 bytes, BW Unknown
   reliability 255/255, txload Unknown, rxload Unknown
Encapsulation Null,  loopback not set,
Last clearing of "show interface" counters never
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
   0 packets input, 0 bytes, 0 total input drops
   0 drops for unrecognized upper-level protocol
   Received 0 broadcast packets, 0 multicast packets
   0 packets output, 0 bytes, 0 total output drops
   Output 0 broadcast packets, 0 multicast packets
```

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