



# Null Interface Commands

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This module provides command line interface (CLI) commands for configuring null interfaces on the Cisco NCS 6000 Series Router.

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# interface null 0

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

**interface null 0**

## Syntax Description

This command has no keywords or arguments.

## Command Default

No default behavior or values

## Command Modes

XR config

## Command History

Release	Modification
Release 5.0.0	This command was introduced.

## Usage Guidelines

To use this command, you must be in a user group associated with a task group that includes appropriate task IDs. If the user group assignment is preventing you from using a command, contact your AAA administrator for assistance.

When you issue the **interface null 0** command in XR config 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/RP0/CPU0:router(config)# interface null 0
RP/0/RP0/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/RP0/CPU0:router(config)# interface null 0
```

```
RP/0/RP0/CPU0:router(config-null0)#
```

# 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** XR EXEC

Release	Modification
Release 5.0.0	This command was introduced.

**Usage Guidelines** To use this command, you must be in a user group associated with a task group that includes appropriate task IDs. If the user group assignment is preventing you from using a command, contact your AAA administrator for assistance.

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/RP0/CPU0:router# show controllers null interface

Null interface:
name       : Null10
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.
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
<a href="#">show interfaces null0</a> , on page 6	Displays null0 interfaces.

# 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

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

## Command Default

No default behavior or values

## Command Modes

XR EXEC

## Command History

Release	Modification
Release 5.0.0	This command was introduced.

## Usage Guidelines

To use this command, you must be in a user group associated with a task group that includes appropriate task IDs. If the user group assignment is preventing you from using a command, contact your AAA administrator for assistance.

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/RP0/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
```

 `show interfaces null0`