



Miscellaneous Command Reference

This chapter describes miscellaneous commands to configure CPT services.

- [show ip interface brief, page 2](#)

show ip interface brief

To display the usability status of interfaces configured for various IP addresses, use the **show ip interface brief** command in privileged EXEC mode.

show ip interface brief [brief]

Syntax Description	brief	(Optional) Displays a summary of the usability status information for each interface.
--------------------	-------	---

Command Default This command has no defaults.

Command Modes Privileged EXEC

Command History	Release	Modification
	9.3.0	This command was introduced.

Usage Guidelines The **show ip interface brief** command can be used to view a summary of the router interfaces. This command displays the IP address, interface status, and additional information.

Examples The following is sample output from the **show ip interface brief** command:

```
Router# show ip interface brief
```

Interface	IP-Address	OK?	Method	Status	Protocol
GigabitEthernet0/1	unassigned	YES	unset	up	up
GigabitEthernet0/2	192.168.190.235	YES	unset	up	up
GigabitEthernet0/3	unassigned	YES	unset	up	up
GigabitEthernet0/4	192.168.191.2	YES	unset	up	up
TenGigabitEthernet2/1	unassigned	YES	unset	up	up
TenGigabitEthernet2/2	unassigned	YES	unset	up	up
TenGigabitEthernet2/3	unassigned	YES	unset	up	up
TenGigabitEthernet2/4	unassigned	YES	unset	down	down
GigabitEthernet36/1	unassigned	YES	unset	down	down
GigabitEthernet36/2	unassigned	YES	unset	down	down
GigabitEthernet36/11	unassigned	YES	unset	down	down
GigabitEthernet36/25	unassigned	YES	unset	down	down
Te36/45	unassigned	YES	unset	down	down
Te36/46	unassigned	YES	unset	down	down
Te36/47	unassigned	YES	unset	down	down
Te36/48	unassigned	YES	unset	down	down
Virtual36	unassigned	YES	unset	up	up

The following table describes the significant fields shown in the display.

Table 1: show ip interface brief Field Description

Field	Description
Interface	Type of interface. Note The show ip interface brief command also displays GigabitEthernet interfaces. These interfaces reside on slot 0 and are used for internal communication between uplinks and Transport Node Controller (TNC).
IP-Address	IP address assigned to the interface.
OK?	Yes signifies that the IP address is currently valid. No signifies that the IP address is not currently valid.
Method	The method field has the following possible values: <ul style="list-style-type: none"> • RARP or SLARP—Reverse Address Resolution Protocol (RARP) or Serial Line Address Resolution Protocol (SLARP) request • BOOTP—Bootstrap protocol • TFTP—Configuration file obtained from TFTP server • manual—Manually changed by CLI command • NVRAM—Configuration file in NVRAM • IPCP—ip address negotiated command • DHCP—ip address dhcp command • unassigned—No IP address • unset—Unset • other—Unknown
Status	Indicates the status of interface. Valid values and their meanings are: <ul style="list-style-type: none"> • up—Interface is administratively up. • down—Interface is administratively down. • administratively down—Interface is administratively down.
Protocol	Indicates the operational status of the routing protocol on this interface.

