



## Miscellaneous Command Reference

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This chapter describes miscellaneous commands to configure CPT services.

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# 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.
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**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. <b>Note</b> The <b>show ip interface brief</b> 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?	<b>Yes</b> signifies that the IP address is currently valid. <b>No</b> signifies that the IP address is not currently valid.
Method	The method field has the following possible values: <ul style="list-style-type: none"> <li>• RARP or SLARP—Reverse Address Resolution Protocol (RARP) or Serial Line Address Resolution Protocol (SLARP) request</li> <li>• BOOTP—Bootstrap protocol</li> <li>• TFTP—Configuration file obtained from TFTP server</li> <li>• manual—Manually changed by CLI command</li> <li>• NVRAM—Configuration file in NVRAM</li> <li>• IPCP—ip address negotiated command</li> <li>• DHCP—ip address dhcp command</li> <li>• unassigned—No IP address</li> <li>• unset—Unset</li> <li>• other—Unknown</li> </ul>
Status	Indicates the status of interface. Valid values and their meanings are: <ul style="list-style-type: none"> <li>• up—Interface is administratively up.</li> <li>• down—Interface is administratively down.</li> <li>• administratively down—Interface is administratively down.</li> </ul>
Protocol	Indicates the operational status of the routing protocol on this interface.

