

TCP Show Extension

The TCP Show Extension feature introduces the capability to display addresses in IP format instead of hostname format and to display the virtual private network (VPN) routing and forwarding (VRF) table associated with the connection.

History for the TCP Show Extension Feature

Release	Modification
12.4(2)T	This feature was introduced.

Finding Support Information for Platforms and Cisco IOS Software Images

Use Cisco Feature Navigator to find information about platform support and Cisco IOS software image support. Access Cisco Feature Navigator at http://www.cisco.com/go/fn. You must have an account on Cisco.com. If you do not have an account or have forgotten your username or password, click **Cancel** at the login dialog box and follow the instructions that appear.

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How to Display Addresses in IP Format

This section contains the following task:

• Displaying Addresses in IP Format



Displaying Addresses in IP Format

Perform this task to display addresses in IP format.

SUMMARY STEPS

- 1. enable
- 2. show tcp brief [all | numeric]
- 3. end

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable	Enables privileged EXEC mode.
		• Enter your password if prompted.
	Example: Router> enable	
Step 2	show tcp brief [all numeric]	Displays a concise description of TCP connection endpoints. The keywords are as follows:
	Example: Router# show tcp brief numeric	• all —(Optional) Status for all endpoints with the addresses in a Domain Name System (DNS) hostname format. Without this keyword, endpoints in the LISTEN state are not shown.
		• numeric —(Optional) Status for all endpoints with the addresses in IP format.
Step 3	end	Exits to EXEC mode.
	Example: Router# end	

Examples

The following example shows the IP activity and the addresses in DNS hostname format.

Router# show tcp brief all

TCB	Local Address	Foreign Address	(state)
36AE9520	a00.lsanca04.us37888	a02.lsanca04.us179	ESTAB
36B861F8	a00.lsanca04.us23	gnat.cisco.com.33908	ESTAB
32F0A0A4	a00.lsanca04.us179	a01.lsanca04.us11002	ESTAB
369CEAD4	a00.lsanca04.us23	gnat.cisco.com.33948	ESTAB
36B873A8	ge-1-2.a00.lsanc.11266	d3-0-1-0.r01.roc.23	ESTAB
35C918A4	a00.lsanca04.us179	a03.lsanca04.us1035	ESTAB

The following example shows the IP activity by using the **numeric** keyword to display the addresses in IP format.

Router# show tcp brief numeric

Local Address	Foreign Address	(state)
10.1.25.3.11000	10.1.25.3.23	ESTAB
10.1.25.3.23	10.1.25.3.11000	ESTAB
*.1723 *.* LISTEN		
	Local Address 10.1.25.3.11000 10.1.25.3.23 *.1723 *.* LISTEN	Local Address Foreign Address 10.1.25.3.11000 10.1.25.3.23 10.1.25.3.23 10.1.25.3.11000 *.1723 *.* LISTEN

Additional References

The following sections provide references related to the TCP Show Extension feature.

Related Documents

Related Topic	Document Title
IP application services configuration tasks	Cisco IOS IP Application Services Configuration Guide, Release 12.4
IP application services commands: complete command syntax, command mode, command history, defaults, usage guidelines, and examples	<i>Cisco IOS IP Application Services Command Reference</i> , Release 12.4

Standards

Standard	Title
No new or modified standards are supported by this	
feature, and support for existing standards has not been	
modified by this feature.	

MIBs

MIBs	MIBs Link
No new or modified MIBs are supported by this feature, and support for existing MIBs has not been modified by this feature.	To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use Cisco MIB Locator found at the following URL:
	http://www.cisco.com/go/mibs

RFCs

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RFCs	Title
No new or modified RFCs are supported by this feature, and support for existing RFCs has not been modified by this feature.	

Technical Assistance

Description	Link
The Cisco Technical Support website contains	http://www.cisco.com/techsupport
thousands of pages of searchable technical content,	
including links to products, technologies, solutions,	
technical tips, and tools. Registered Cisco.com users	
can log in from this page to access even more content.	

Command Reference

This section documents one modified command only.

• show tcp brief

show tcp brief

(state)

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To display a concise description of TCP connection endpoints, use the **show tcp brief** command in user EXEC or privileged EXEC mode.

show tcp brief [all | numeric]

Syntax Description	all (Optional) Displays status for all endpoints in Domain Name System hostname format. Without this keyword, endpoints in the LISTEN sta not shown.			
	numeric	(Optional) D	isplays status for all endpo	ints in IP format.
Command Modes	User EXEC Privileged EXE(С		
Command History	Release	Modificatio	n	
	11.2	This comm	and was introduced.	
	12.4(2)T	The nume	ic keyword was added.	
Examples	The following is system by using Router# show t TCB Loca 609789AC Rout The following en IP format.	s sample output from Telnet: cp brief 1 Address er.cisco.com.23 xample shows the IP	the show tcp brief comma Foreign Address cider.cisco.com.3733 activity by using the nume	(state) ESTAB eric keyword to display the addresses in
	Router# show t TCB 6523A4FC 65239A84 653FCBBC	cp brief numeric Local Address 10.1.25.3.11000 10.1.25.3.23 *.1723 *.* LISTEN	Foreign Address 10.1.25.3.23 10.1.25.3.11000	(state) ESTAB ESTAB
	Table 1 describes the significant fields shown in the display.			
	Table 1	show tcp brief Field	Descriptions	
	Field	Description		
	ТСВ	An internal ident	ifier for the endpoint.	
	Local Address	The local IP add	The local IP address and port.	
	Foreign Addres	The foreign IP address and port (at the opposite end of the connection)		

The state of the connection. States are described in the syntax description of the **show tcp** command.

Related Commands	Command	Description	
	show tcp	Displays the status of TCP connections.	

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Cisco IOS Release 12.4(2)T