

TCP Commands

Instructions for TCP Commands

Note Some configurations and protocols are identified as insecure and is a security risk for Cisco devices. Existing deployments continue to function, but new installations require intentional enablement. For more information on remediation, refer to Resilient Infrastructure: Cisco Catalyst SD-WAN and Routing

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service tcp-keepalives-in

To generate keepalive packets on idle incoming network connections (initiated by the remote host), use the **service tcp-keepalives-in** command in global configuration mode . To disable the keepalives, use the **no**form of this command.

service tcp-keepalives-in
no service tcp-keepalives-in

Syntax Description This command has no arguments or keywords.

Command Default Disabled

Command Modes Global configuration

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.3.1a	Command qualified for use in Cisco vManage CLI templates.

Examples In the following example, keepalives on incoming TCP connections are generated:

```
Device(config)# service tcp-keepalives-in
```

service tcp-keepalives-out

To generate keepalive packets on idle outgoing network connections (initiated by a user), use the **service tcp-keepalives-out** command in global configuration mode . To disable the keepalives, use the **no**form of this command.

service tcp-keepalives-out
no service tcp-keepalives-out

Syntax Description This command has no arguments or keywords.

Command Default Disabled

Command Modes Global configuration

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.3.1a	Command qualified for use in Cisco vManage CLI templates.

Examples

In the following example, keepalives on outgoing TCP connections are generated:

```
Device(config)# service tcp-keepalives-out
```

service tcp-small-servers

To enable small TCP servers such as the Echo, use the **service tcp-small-servers** command in global configuration mode. To disable the TCP server, use the **no** form of this command.

service tcp-small-servers
no service tcp-small-servers

Command Default TCP small servers are disabled.

Command Modes Global configuration (config)

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.3.1a	Command qualified for use in Cisco vManage CLI templates.

Usage Guidelines

For usage guidelines, see the Cisco IOS XE service tcp small servers command.

Examples

The following example shows how to enable small TCP servers:

```
Device(config)# service tcp-small-servers
```

service udp-small-servers

To enable small User Datagram Protocol (UDP) servers such as the Echo, use the **service udp-small-servers** command in global configuration mode. To disable the UDP server, use the **no** form of this command.

service udp-small-servers
no service udp-small-servers

Command Default

UDP small servers are disabled.

Command Modes

Global configuration (config)

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.3.1a	Command qualified for use in Cisco vManage CLI templates.

Usage Guidelines

For usage guidelines, see the Cisco IOS XE service udp small servers command.

Examples

The following example shows how to enable small UDP:

```
Router(config)# service udp-small-servers
```