



TCP Commands

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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

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)

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
```

