

1 TFTP Client Commands

Command	Function
tftp-client source	Bind a source IP address to the TFTP client.
copy tftp	Use the TFTP client to download files from the TFTP server to the local device.
copy flash	Use the TFTP client to upload files from the local device to the server.

1.1 tftp-client source

Function

Run the **tftp-client source** command to bind a source IP address to the TFTP client.

Run the **no** form of this command to remove this configuration.

Run the **default** form of this command to restore the default configuration.

By default, no source IP address is bound to the TFTP client. Instead, a source IP address is selected based on the route.

Syntax

```
tftp-client source { ip ipv4-address | ipv6 ipv6-address | interface-type interface-number }
```

```
no tftp-client source
```

```
default tftp-client source
```

Parameter Description

ipv4-address: IPv4 address.

ipv6-address: IPv6 address.

interface-type interface-number: Interface type and interface number.

Command Modes

Global configuration mode

Default Level

14

Usage Guidelines

This command is used to bind a source IP address to the TFTP client so that the client can use this IP address to communicate with the server.

Examples

The following example binds the source IP address 192.168.23.236 to the TFTP client.

```
Hostname> enable
Hostname# configure terminal
Hostname(config)# tftp-client source ip 192.168.23.236
```

Notifications

If the configuration succeeds, no notification will be displayed.

If the configured IP address is not a local address, the following notification will be displayed:

```
Bind failed: the specified source address is non-local ip
```

Common Errors

N/A

Platform Description

N/A

Related Commands

N/A

1.2 copy tftp

Function

Run the **copy tftp** command to use the TFTP client to download files from the TFTP server to the local device.

Syntax

```
copy { tftp | oob_tftp } //destination-ip-address [ /remote-directory ] /remote-file flash: [ /local-directory/ ]  
local-file
```

Parameter Description

oob_tftp: Transfers files through the MGMT port.

destination-ip-address: IP address of the destination TFTP server.

remote-directory: Directory on the TFTP server, which is optional. It is a string of 1 to 255 characters, and cannot contain spaces or Chinese characters. If this parameter is left empty, the current working directory of the TFTP server is used.

remote-file: File name on the remote server. It is a string of 1 to 255 characters, and cannot contain spaces or Chinese characters.

flash: Indicates flash memory.

local-directory: Directory on the local device. It is a string of 1 to 255 characters, and cannot contain spaces or Chinese characters. To specify a directory, ensure that the directory is already created. This command does not support automatic creation of a directory. If this parameter is left empty, the current directory of the device is used.

local-file: Name of the file on the local device. It is a string of 1 to 255 characters, and cannot contain spaces or Chinese characters.

Command Modes

Privileged EXEC mode

Default Level

14

Usage Guidelines

During file transfer, do not insert or remove a storage medium or transmission medium to or from the device to avoid transmission errors.

You can run the **dir** command to check whether the downloaded file is configured on the local device. If the file is configured, the download is successful; otherwise, the download fails.

Examples

The following example downloads the **remote-file** file from the **root** directory of the TFTP server with the IP address 192.168.23.69 to the **Flash** directory on the local device, and saves the file as **local-file**.

```
Hostname> enable
Hostname# copy tftp://192.168.23.69/root/remote-file flash:local-file
```

Notifications

If the download succeeds, the following notification will be displayed:

```
success
```

If the download fails, you can find the corresponding error message after running the **debug tftp** command.

Common Errors

N/A

Platform Description

N/A

Related Commands

- **dir** (Basic Configuration/File System Management)

1.3 copy flash

Function

Run the **copy flash** command to use the TFTP client to upload files from the local device to the server.

Syntax

```
copy flash: [ local-directory ] local-file { tftp | oob_tftp } [destination-ip-address [ remote-directory ]  
remote-file]
```

Parameter Description

oob_tftp: Transfers files through the MGMT port.

destination-ip-address: IP address of the destination TFTP server.

remote-directory: Directory on the TFTP server, which is optional. It is a string of 1 to 255 characters, and cannot contain spaces or Chinese characters. If this parameter is left empty, the current working directory of the TFTP server is used.

remote-file: File name on the remote server. It is a string of 1 to 255 characters, and cannot contain spaces or Chinese characters.

local-directory: Directory on the local device, which is optional. It is a string of 1 to 255 characters, and cannot contain spaces or Chinese characters. To specify a directory, ensure that the directory is already created. This command does not support automatic creation of a directory. If this parameter is left empty, the current directory of the device is used.

local-file: Name of the file on the local device. It is a string of 1 to 255 characters, and cannot contain spaces or Chinese characters.

Command Modes

Privileged EXEC mode

Default Level

14

Usage Guidelines

During file transfer, do not insert or remove a storage medium or transmission medium to or from the device to avoid transmission errors.

You can run the **dir** command to check whether the uploaded file is configured on the TFTP server. If the file is configured, the upload is successful; otherwise, the upload fails.

Examples

The following example uploads the **local-file** file in the **Flash** directory on the device to the **root** directory of the TFTP server with an IP address 192.168.23.69, and renames the file **remote-file**.

```
Hostname> enable
Hostname# copy flash:local-file tftp://192.168.23.69/root/remote-file
```

Notifications

If the download succeeds, the following notification will be displayed:

```
success
```

If the download fails, you can find the corresponding error message after running the **debug tftp** command.

Common Errors

N/A

Platform Description

N/A

Related Commands

- **dir** (Basic Configuration/File System Management)