



## P Commands

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This chapter covers the following commands:

- [ping](#), page 12-2

# ping

To verify communication with another storage router or system in the network, use the **ping** command.

**ping** {*ip-address* | *servername*} [**numpkts** *nn*] [**size** *sn*]

Syntax Description		
<i>ip-address</i>		The IP address of another system or storage router.
<i>servername</i>		The name of another server. The storage router must be configured to use the services of a Domain Name Server (DNS).
<b>numpkts</b> <i>nn</i>		(Optional) The maximum number of pings that may be sent. The default value is five.
<b>size</b> <i>sn</i>		(Optional) The size of each ping packet, in bytes. The minimum size is 64 bytes; the maximum size is 4096 bytes. The default is 64 bytes.

**Defaults** The default setting is to attempt five 64-byte pings.

**Command Modes** Administrator or Monitor. The optional **numpkts** and **size** keywords are not available in Monitor mode.

Command History	Release	Modification
	2.2.1	This command was introduced for the SN 5428.
	3.2.1	This command was introduced for the SN 5428-2.
	3.3.1	The optional <b>numpkts</b> and <b>size</b> keywords are restricted to Administrator mode only.

**Usage Guidelines** Use this command to verify that there is a TCP/IP communication path to another storage router or system in the network.

**Examples** The following example attempts to verify the communication path to the IP address 10.1.30.17, using the default size and maximum number of packets:

```
[SN5428-2A]# ping 10.1.30.17
```

The following example attempts to reach the IP address 10.1.30.17 by sending up to three pings, each consisting of a 120-byte packet. You must be logged on in Administrator mode to execute this command.

```
[SN5428-2A]# ping 10.1.30.17 numpkts 3 size 120
```

Related Commands	Command	Description
	<a href="#">show ip</a>	Display entries from the storage router routing table and statistics for the protocols used in the storage router network.