

IPSP Configuration Mode Commands

Important For information on configuring and using IPSP refer to the *System Administration Guide*.

Command Modes

The IPSP Configuration Mode is used to configure properties for the IP Pool Sharing Protocol (IPSP). System-based HA services use IPSP during an offline-software upgrade to avoid the assignment of duplicate IP addresses to sessions while allowing them to maintain the same address, and to preserve network capacity

Exec > Global Configuration > Context Configuration > Ethernet Interface Configuration > IP Pool Sharing Protocol Configuration

configure > context *context_name* **> interface** *interface_name* **broadcast > pool-share-protocol { primary** *ip_address* **| secondary** *ip_address* **}**

Important The commands or keywords/variables that are available are dependent on platform type, product version, and installed license(s).

Important For information on common commands available in this configuration mode, refer to the Common Commands chapter.

- dead-interval, on page 1
- reserved-free-percentage, on page 2

dead-interval

Configures the retry time to connect to the remote system for the IP Pool Sharing Protocol.

Product

PDSN

HA

Privilege

Security Administrator, Administrator

Command Modes

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configure > context *context_name* **> interface** *interface_name* **broadcast > pool-share-protocol { primary** *ip_address* **| secondary** *ip_address* **}**

Syntax Description

dead-interval *seconds*
[no | default] dead-interval

no

Disables the dead interval. On loss of connectivity to the remote system, no retries are attempted and the remote system is marked dead immediately on failure.

default

Resets the dead interval to the default of 3600 seconds.

seconds

Default: 3600 seconds

The amount of time in seconds to wait before retrying the remote system. *seconds* must be an integer from 25 through 259200.

Usage Guidelines

Use this command to set the amount of time to wait before retrying to connect with the remote system for the IP pool sharing protocol.

Example

Use the following command to set the interval to 180 seconds (3 minutes):

dead-interval 180

reserved-free-percentage

This command is used to set the amount of free addresses reserved for use on the primary HA.

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Command Modes

Exec > Global Configuration > Context Configuration > Ethernet Interface Configuration > IP Pool Sharing Protocol Configuration

configure > context *context_name* **> interface** *interface_name* **broadcast > pool-share-protocol { primary** *ip_address* **| secondary** *ip_address* **}**

Syntax Description

reserved-free-percentage *value*
default reserved-free-percentage

value

Default: 100

value specifies the percentage of free addresses reserved for the use on the primary HA for IP pool sharing during upgrade. It must be an integer from 0 through 100.

Usage Guidelines

This command is used with **pool-sharing-protocol active mode** on the primary HA. Before using this command, **pool-sharing-protocol** in the Ethernet Interface Configuration Mode must be configured.

For more information, refer to the *Ethernet Interface Configuration Mode Commands* chapter in this guide.

Example

To reserve 40 percent of free addresses in primary HA for IP pool sharing, enter the following command:

```
reserved-free-percentage 40
```