



# IPSP Configuration Mode Commands



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

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## 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 }
```



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

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**Important** For information on common commands available in this configuration mode, refer to the [Common Commands](#) chapter.

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- [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.

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### Product

PDSN  
HA

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### Privilege

Security Administrator, Administrator

**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** **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.

**Product** PDSN  
HA

**Privilege** Security Administrator, Administrator

**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
```

reserved-free-percentage