



# 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).

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## 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

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

**end**

```
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
```

**end**

Exits the current configuration mode and returns to the Exec mode.

**Product**

All

**Privilege**

Security Administrator, Administrator

**Syntax Description**

```
end
```

**Usage Guidelines**

Use this command to return to the Exec mode.

**exit**

Exits the current mode and returns to the parent configuration mode.

**Product**

All

<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>exit</b>
<b>Usage Guidelines</b>	Use this command to return to the parent configuration mode.

## reserved-free-percentage

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

<b>Product</b>	PDSN HA
<b>Privilege</b>	Security Administrator, Administrator
<b>Command Modes</b>	Exec > Global Configuration > Context Configuration > Ethernet Interface Configuration > IP Pool Sharing Protocol Configuration  <b>configure &gt; context</b> <i>context_name</i> > <b>interface</b> <i>interface_name</i> <b>broadcast &gt; pool-share-protocol</b> { <b>primary</b> <i>ip_address</i>   <b>secondary</b> <i>ip_address</i> }
<b>Syntax Description</b>	<b>reserved-free-percentage</b> <i>value</i> <b>default reserved-free-percentage</b>  <b>value</b> Default: 100  <i>value</i> 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.
<b>Usage Guidelines</b>	This command is used with <b>pool-sharing-protocol active mode</b> on the primary HA. Before using this command, <b>pool-sharing-protocol</b> in the Ethernet Interface Configuration Mode must be configured. For more information, refer to the <i>Ethernet Interface Configuration Mode Commands</i> 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