



Dialer Idle Timer Inbound Traffic Configuration

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Feature Overview

The **dialer idle-timeout** interface configuration command specifies the duration of time before an idle connection is disconnected. Previously, both inbound and outbound traffic would reset the dialer idle timer. The Dialer Idle Timer Inbound Traffic Configuration feature enables you to specify that only inbound traffic will reset the dialer idle timer.

Benefits

By specifying that only inbound traffic will reset the dialer idle timer, you can prevent unexpected Internet traffic from keeping an idle connection from being disconnected.

Restrictions

You can not specify that only outbound traffic will reset the dialer idle timer.

Related Documents

For more information on Dial-on-Demand Routing (DDR) and dialer profiles, refer the “Dial-on-Demand” part of the *Cisco IOS Dial Services Configuration Guide: Terminal Services*.

Supported Platforms

This feature is supported on all platforms that contain dialers.

Supported Standards, MIBs, and RFCs

Standards

None

MIBs

None

For descriptions of supported MIBs and how to use MIBs, see the Cisco MIB web site on CCO at <http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml>.

RFCs

None

Prerequisites

Before configuring the Dialer Idle Timer Inbound Traffic Configuration feature, configure DDR.

Configuration Tasks

See the following section for the required configuration tasks for the Dialer Idle Timer Inbound Traffic Configuration feature.

- Configuring the Dialer Idle Timer (Required)

Configuring the Dialer Idle Timer

To specify that only inbound traffic will reset the dialer idle timer, use the following command in dialer interface configuration mode.

Command	Purpose
Router# <code>dialer idle-timeout seconds [inbound either]</code>	<p>Specifies the duration of idle time in seconds after which a line will be disconnected.</p> <p>By default, both inbound and outbound traffic will reset the dialer idle timer. Including the inbound keyword will cause only inbound traffic to reset the timer.</p>

Configuration Examples

This section provides the following configuration examples:

- Legacy Dial-on-Demand Routing
- Dialer Profile

Legacy Dial-on-Demand Routing

The following example shows a Cisco 2600 series router that has enabled the **dialer idle-timeout** command with the **inbound** keyword. This command allows only inbound traffic that conforms to the dialer list to establish a connection and reset the dialer idle timer.

```
interface BRI0/0
 ip address 10.1.1.1 255.255.255.0
 no ip directed-broadcast
 encapsulation ppp
 dialer idle-timeout 120 inbound
 dialer map ip 10.1.1.2 name 2611-7 0201
 dialer-group 1
 isdn switch-type basic-5ess
 no cdp enable
 ppp authentication chap
!
ip classless
ip route 11.1.1.1 255.255.255.255 10.1.1.2
!
access-list 101 permit icmp any any
access-list 101 deny ip any any
dialer-list 1 protocol ip list 101
tftp-server flash c2600-i-mz.jtong-CSCdm88145-120
```

Dialer Profile

The following example shows a Cisco 5200 series router that has enabled the **dialer idle-timeout** command with the **inbound** keyword. This command allows only inbound traffic that conforms to the dialer list to establish a connection and reset the dialer idle timer.

```
interface Serial0:23
  no ip address
  no ip directed-broadcast
  encapsulation ppp
  dialer pool-member 1 max-link 2
  isdn switch-type primary-5ess
  no cdp enable
  ppp authentication chap
!
interface Dialer0
  ip address 30.1.1.2 255.255.255.0
  no ip directed-broadcast
  encapsulation ppp
  dialer remote-name 2610-2
  dialer idle-timeout 30 inbound
  dialer string 2481301
  dialer pool 1
  dialer-group 1
  no cdp enable
  ppp authentication chap
  ppp multilink
!
access-list 101 permit icmp any any
access-list 101 deny ip any any
dialer-list 1 protocol ip list 101
```

Command Reference

This section documents the modified **dialer idle-timeout (interface configuration)** command. All other commands used with this feature are documented in the Cisco IOS Release 12.1 command reference publications.

dialer idle-timeout (interface configuration)

To specify the duration of idle time before a line is disconnected, use the **dialer idle-timeout** interface configuration command. To reset the idle timeout to the default, use the **no** form of this command.

dialer idle-timeout *seconds* [**inbound** | **either**]

no dialer idle-timeout

Syntax Description		
	<i>seconds</i>	Idle time, in seconds, that must occur on the interface before the line is disconnected. Acceptable values are positive, nonzero integers.
	inbound	(Optional) Only inbound traffic will reset the idle timeout.
	either	(Optional) Both inbound and outbound traffic will reset the idle timeout.

Defaults	
	Direction: either
	Idle time: 120 seconds

Command Modes	
	Interface configuration

Command History	Release	Modification
	10.0	This command was introduced.
	12.1(1)T	The following keywords were added: <ul style="list-style-type: none"> • inbound • either

Usage Guidelines This command is used on lines for which there is no contention. When contention occurs, the **dialer fast-idle** command is activated. For example, when a busy line is requested to send another packet to a different destination than it is currently connected to, line contention occurs and the **dialer fast-idle** command is activated.

By default, this command applies to inbound and outbound calls. For example, if a receiving system needs to make outgoing calls, you might configure it with a short idle timeout.

Only packets that match the dialer group reset the idle timer.

Use the **dialer idle-timeout** command to set a very high idle timer when Multilink PPP is configured and you want a multilink bundle to be connected indefinitely. (The **dialer-load threshold 1** command no longer keeps a multilink bundle of n links connected indefinitely and the **dialer-load threshold** command no longer keeps a multilink bundle of two links connected indefinitely.)

Examples

The following example specifies of an idle timeout of 3 minutes (180 seconds) on asynchronous interface 1. Because the **inbound** keyword is included, only inbound traffic that matches the dialer group will reset the idle timer.

```
interface async 1
  dialer idle-timeout 180 inbound
```

Related Commands

Command	Description
dialer fast-idle (interface configuration)	Specifies the amount of time that a line for which there is contention will stay idle before it is disconnected and the competing call is placed.
dialer-group	Controls access by configuring an interface to belong to a specific dialing group.