



Dial Backup Using Dialer Watch Commands

This chapter describes the commands used to configure dial backup using the Dialer Watch feature introduced in Cisco IOS Release 11.3 T.

Dialer Watch is a backup feature that integrates dial backup with routing capabilities. Dialer Watch provides reliable connectivity without relying solely on defining interesting traffic to trigger outgoing calls at the central router. Dialer Watch uses the convergence times and characteristics of dynamic routing protocols. Integrating backup and routing features enables Dialer Watch to monitor every deleted route. By configuring a set of watched routes that define the primary interface, you are able to monitor and track the status of the primary interface as watched routes are added and deleted.

For configuration tasks and corresponding examples, refer to the “Configuring Dial Backup using Dialer Watch” chapter in the *Dial Solutions Configuration Guide*.

dialer watch-group

To enable DDR backup on an interface using Dialer Watch, configure the interface using the **dialer watch-group** interface configuration command. To disable this feature, use the **no** form of this command.

```
dialer watch-group group-number  
no dialer watch-group group-number
```

Syntax Description

<i>group-number</i>	Group number assigned that will point to a globally defined list of IP addresses to watch. The valid range is 1 to 255.
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Default

Disabled

Command Mode

Interface configuration

Usage Guidelines

This command first appeared in Cisco IOS Release 11.3 T.

Use the **dialer watch-group** command on the secondary interface you want to enable DDR backup.

The dialer watch group number points to a globally defined list (the **dialer watch-list** command) that contains the IP addresses to be watched. If you use the **dialer watch-group** command you must also use the **dialer watch-list** command.

You must configure the standard commands required to enable the router to perform DDR in addition to the Dialer Watch commands. Refer to Cisco IOS Release 12.0 configuration guides and command references for additional information.

The **dialer watch-group** and **dialer watch-list** commands can be added in any order.

Example

The following example configures BRI interface 0 as the backup interface:

```
interface bri0  
  ip address 2.1.1.2 255.255.255.0  
  encapsulation ppp  
  dialer watch-group 1
```

dialer watch-list

To add the list of IP addresses you want monitored, use the **dialer watch-list** global configuration command. To disable this feature, use the **no** form of this command.

```
dialer watch-list group-number ip ip-address address-mask  
no dialer watch-list group-number ip ip-address address-mask
```

Syntax Description

<i>group-number</i>	Group number assigned to the list. Valid group numbers are between 1 and 255.
ip	IP is the only routed protocol supported for Dialer Watch at this time.
<i>ip-address</i>	IP address or address range to be applied to the list.
<i>address-mask</i>	IP address mask to be applied to the list.

Default

Disabled

Command Mode

Global configuration

Usage Guidelines

This command first appeared in Cisco IOS Release 11.3 T.

Use this command to add all IP addresses or networks you want monitored.

There is no software limit to the number of protocol addresses that can be added to the group.

Address matching is exact; therefore, you must apply the specific IP address and mask range for the networks you want monitored.

Use this command with the **dialer watch-group** interface configuration command. The number of the group list must match the group number. For example, if you use **dialer watch-group** number 1, you must also use **dialer watch-list number 1**.

You must configure the standard commands required to enable the router to perform DDR in addition to the Dialer Watch commands. Refer to Cisco IOS Release 12.0 configuration guides and command references for additional information.

The **dialer watch-list** and **dialer watch-group** commands can be added in any order.

Example

The following example adds the IP addresses to be watched:

```
dialer watch-list 1 ip 3.1.1.0 255.255.255.0  
dialer watch-list 1 ip 2.1.1.0 255.255.255.0  
dialer watch-list 1 ip 5.1.1.0 255.255.255.0
```