



# DistributedDirector Cache Auto Refresh

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**Note**

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Effective with Cisco IOS Release 12.4(24)T, this feature is not available in Cisco IOS software.

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## Feature History

| Release   | Modification                 |
|-----------|------------------------------|
| 12.2(8)T  | This feature was introduced. |
| 12.4(24)T | This feature was removed.    |

This document describes the DistributedDirector Cache Auto Refresh feature in Cisco IOS Release 12.2(8)T. It includes the following sections:

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## Feature Overview

The DistributedDirector Cache Auto Refresh feature works in the background to continuously update all entries in the DistributedDirector cache. Once this background refresh feature is initiated, DistributedDirector periodically updates all expired cache entries. The DistributedDirector cache saves the latest answers to all past Domain Name System (DNS) queries received since cache auto refresh was initiated, and any repeat request is served directly from the cache when caching is enabled.

The new **ip director cache refresh** command enables the automatic background refresh feature for the DistributedDirector cache.



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## Benefits

Once the cache auto refresh feature is enabled, the cache will actively and continuously update every expired entry. This feature allows DistributedDirector to return answers to queries according to the latest and most accurate network information.

## Related Technologies

DistributedDirector Configurable Cache

## Related Documents

*DistributedDirector Configurable Cache*, Cisco IOS Release 12.2(8)T feature module

## Supported Platforms

- Cisco 2600 series
- Cisco 3620 series
- Cisco 3640 series
- Cisco 3660 series
- Cisco 3725 series
- Cisco 3745 series
- Cisco 7200 series

### Determining Platform Support Through Feature Navigator

Cisco IOS software is packaged in feature sets that support specific platforms. To get updated information regarding platform support for this feature, access Feature Navigator. Feature Navigator dynamically updates the list of supported platforms as new platform support is added for the feature.

Feature Navigator is a web-based tool that enables you to quickly determine which Cisco IOS software images support a specific set of features and which features are supported in a specific Cisco IOS image.

To access Feature Navigator, you must have an account on Cisco.com. If you have forgotten or lost your account information, send a blank e-mail to [cco-locksmith@cisco.com](mailto:cco-locksmith@cisco.com). An automatic check will verify that your e-mail address is registered with Cisco.com. If the check is successful, account details with a new random password will be e-mailed to you. Qualified users can establish an account on Cisco.com by following the directions at <http://www.cisco.com/register>.

Feature Navigator is updated regularly when major Cisco IOS software releases and technology releases occur. For the most current information, go to the Feature Navigator home page at the following URL:

<http://www.cisco.com/go/fn>

# Supported Standards, MIBs, and RFCs

## Standards

No new standards are supported by this feature.

**MIBs**

No new MIBs are supported by this feature.

To obtain lists of supported MIBs by platform and Cisco IOS release, and to download MIB modules, go to the Cisco MIB website on Cisco.com at the following URL:

<http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml>

**RFCs**

No new RFCs are supported by this feature.

## Prerequisites

The sorting cache must be enabled on DistributedDirector. To enable the sorting cache, use the **ip director cache** command.

## Configuration Tasks

See the following section for configuration tasks for cache auto refresh. Each task in the list is identified as either required or optional.

- [Enabling Cache Auto Refresh](#) (required)

## Enabling Cache Auto Refresh

To enable cache auto refresh for DistributedDirector, use the **ip director cache refresh** command.

|               | Command  | Purpose   |
|---------------|--|---|
| <b>Step 1</b> | Router(config)# <b>ip director cache</b>         | Enables the sorting cache on DistributedDirector.           |
| <b>Step 2</b> | Router(config)# <b>ip director cache refresh</b> | Enables the DistributedDirector Cache Auto Refresh feature. |

To turn off cache auto refresh, use the **no ip director cache refresh** command.

|               | Command   | Purpose  |
|---------------|---|--|
| <b>Step 1</b> | Router(config)# <b>no ip director cache refresh</b> | Disables the DistributedDirector Cache Auto Refresh feature. |

## Verifying the Cache Auto Refresh Feature

To verify that the DistributedDirector Cache Auto Refresh feature is configured, enter the **show running-config** command.

```
Router(config)# ip director cache

Router(config)# ip director cache refresh

Router# show running-config

ip host myhost 172.22.2.10 172.22.2.20 172.22.2.30
.
.
.
ip director cache refresh
```

## Configuration Examples

This section provides the following configuration example:

- [Enabling the Cache Auto Refresh Feature Example](#)

### Enabling the Cache Auto Refresh Feature Example

In the following example, the cache auto refresh background feature for DistributedDirector is enabled:

```
Router(config)# ip director cache

Router(config)# ip director cache refresh

Router# show running-config

ip host myhost 172.22.2.10 172.22.2.20 172.22.2.30
.
.
.
ip director cache refresh
```

## Command Reference

The following new commands are pertinent to this feature. To see the command pages for these commands and other commands used with this feature, go to the *Cisco IOS Master Commands List*, Release 12.4, at <http://www.cisco.com/univercd/cc/td/doc/product/software/ios124/124mindx/124index.htm>.

- **ip director cache refresh**



Any Internet Protocol (IP) addresses used in this document are not intended to be actual addresses. Any examples, command display output, and figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses in illustrative content is unintentional and coincidental.

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