DistributedDirector Features Roadmap

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This feature roadmap lists the DistributedDirector features documented in the DistributedDirector section of the *Cisco IOS Network Management Configuration Guide*, and maps them to the documents in which they appear. The roadmap is organized so that you can select your release train and see the features in that release. Find the feature name you are searching for and click on the URL in the "Where Documented" column to access the document containing that feature.

Feature and Release Support

Table 1 lists DistributedDirector feature support for the following Cisco IOS software release trains:

- Cisco IOS Releases 12.2, 12.2 T, 12.3, 12.4, 12.4T
- Cisco IOS XE Release 2

Use Cisco Feature Navigator to find information about platform support and software image support. Cisco Feature Navigator enables you to determine which Cisco IOS and Catalyst OS software images support a specific software release, feature set, or platform. To access Cisco Feature Navigator, go to http://www.cisco.com/go/cfn. An account on Cisco.com is not required.

Note Table 1 lists only the Cisco IOS software release that introduced support for a given feature in a given Cisco IOS software release train. Unless noted otherwise, subsequent releases of that Cisco IOS software release train also support that feature.

Table 1 lists the most recent release of each software train first and the features in alphabetical order within the release.

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Table 1 DistributedDirector Features

Release	Feature Name	Feature Description	Where Documented
Cisco IOS Releases 12.2, 12.2 T, 12.3, 12.4, 12.4T			
12.2(8)T	DistributedDirector - Boomerang Support	Boomerang is a DRP metric for DistributedDirector. The boomerang server provides a way to select a content server with the fastest response time from a group of redundant content servers.	DistributedDirector Boomerang Support
12.2(8)T	DistributedDirector - Cache Auto Refresh	The DistributedDirector Cache Auto Refresh feature works in the background to periodically refresh all expired entries in the DistributedDirector cache. A new **ip director cache refresh** command enables the automatic background refresh feature for the DistributedDirector cache.	DistributedDirector Cache Auto Refresh
12.2(8)T	DistributedDirector - Configurable Cache	DistributedDirector maintains an internal cache of sorting events that occur on a per-client basis and can be dynamically configured. The DD Configurable Cache feature allows users to configure their systems in order to limit the amount of memory that DD uses for Domain Name System (DNS) caching.	DistributedDirector Configurable Cache
12.2(8)T	DistributedDirector MIB Support	Network management occurs when managing systems use a common framework and language (example SNMP) to monitor and control managed systems. A Management Information Base is a database that houses comprehensive information about managed objects that can be relayed to the controlling NMS. The DD MIB is a database that contains DistributedDirector statistics, configurations, and status.	DistributedDirector MIB Support
12.2(8)T	DRP Agent - Boomerang Support	DRP is a UDP based application developed by Cisco Systems. A DRP Server Agent is a border router or peer to a border router that supports the geographically distributed servers for which DistributedDirector service is desired. DRP enables DD to query DRP Server Agents for Border Gateway Protocol (BGP) and Interior Gateway Protocol (IGP) routing table metrics between distributed servers and clients.	Configuring a DRP Server Agent

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Release	Feature Name	Feature Description	Where Documented
12.2(4)T3	DistributedDirector Enhancements	DistributedDirector Enhancements (server-related modified features): • Enhanced Fault Tolerance with Multiple Resource Records enhancement that enables DD to return a user-configurable number of resource records as part of a DNS lookup response. • Event Recording with Syslog feature, which enables the industry-standard Syslog on DD • Enhanced Server Verification with Multiple Port Connect Tests enhancement that allows multiple port connect tests to evaluate server status • New Commands	DistributedDirector Enhancements
12.2(2)T	DNS Server Support for NS Records	This feature adds support for NS records to the Cisco IOS DNS server. With this feature, the DistributedDirector can distribute the server-selection process to multiple DistributedDirectors, improving overall server capacity.	DNS Server Support for NS Records