



# Classifying Network Traffic Using NBAR Features Roadmap

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This roadmap lists the features related to Network-Based Application Recognition (NBAR) and maps them to the modules in which they appear.

## Feature and Release Support

Table 1 lists NBAR-related feature support for the following Cisco IOS software release trains:

- [Cisco IOS Release 12.2ZY](#)
- [Cisco IOS Releases 12.2T, 12.3, and 12.3T](#)
- [Cisco IOS Releases 12.4 and 12.4T](#)

Only features that were introduced or modified in Cisco IOS Release 12.2(1) or later appear in the table. *Not all features may be supported in your Cisco IOS software release.*

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

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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.

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**Table 1 Supported NBAR-Related Features**

Release	Feature Name	Feature Description	Where Documented
<b>Cisco IOS Release 12.2ZY</b>			
12.2(18)ZY	NBAR—Network-Based Application Recognition (Hardware Accelerated NBAR)	Enables NBAR functionality on the Catalyst 6500 series switch that is equipped with a programmable intelligent services accelerator (PISA).	<a href="#">“Classifying Network Traffic Using NBAR”</a> <a href="#">“Configuring NBAR Using the MQC”</a>
<b>Cisco IOS Releases 12.2T, 12.3, and 12.3T</b>			
12.3(4)T	NBAR Extended Inspection for HTTP Traffic	Allows NBAR to scan TCP ports that are not well known and identify HTTP traffic that traverses these ports.	<a href="#">“Classifying Network Traffic Using NBAR”</a> <a href="#">“Configuring NBAR Using the MQC”</a>
	NBAR PDLM Versioning	Enables the ability to verify the Cisco IOS and NBAR Packet Description Language Module (PDLM) versions for ensuring software compatibility.	<a href="#">“Classifying Network Traffic Using NBAR”</a> <a href="#">“Adding Application Recognition Modules”</a>
	NBAR User-Defined Custom Application Classification	Provides the ability to identify TCP- or UDP-based applications by using a character string or value. The character string or value is used to match traffic within the packet payload.	<a href="#">“Classifying Network Traffic Using NBAR”</a> <a href="#">“Creating a Custom Protocol”</a>
12.2(15)T	NBAR Protocol Discovery MIBs	<p>NBAR Protocol Discovery MIBs expand the capabilities of NBAR Protocol Discovery by providing the following new Protocol Discovery functionality through SNMP:</p> <ul style="list-style-type: none"> <li>• Enable or disable Protocol Discovery per interface.</li> <li>• Display Protocol Discovery statistics.</li> <li>• Configure and view multiple top-n tables that list protocols by bandwidth usage.</li> <li>• Configure thresholds based on traffic of particular NBAR-supported protocols or applications that report breaches and send notifications when these thresholds are crossed.</li> </ul>	<a href="#">Network-Based Application Recognition Protocol Discovery Management Information Base</a>
	NBAR Real-Time Transport Protocol Payload Classification	Enables stateful identification of real-time audio and video traffic.	<a href="#">“Classifying Network Traffic Using NBAR”</a> <a href="#">“Configuring NBAR Using the MQC”</a>

**Table 1 Supported NBAR-Related Features (continued)**

Release	Feature Name	Feature Description	Where Documented
<b>Cisco IOS Releases 12.4 and 12.4T</b>			
12.4(4)T	QoS: DirectConnect PDLM	Provides support for the DirectConnect PDLM and protocol. The DirectConnect protocol can now be recognized when using the Modular Quality of Service (QoS) Command-Line Interface (CLI) (MQC) to classify traffic.	<a href="#">“Classifying Network Traffic Using NBAR”</a> <a href="#">“Configuring NBAR Using the MQC”</a> <a href="#">“Adding Application Recognition Modules”</a>
	QoS: Skype Classification	Provides support for the Skype protocol. The Skype protocol can now be recognized when using the MQC to classify traffic.  <b>Note</b> Currently, Cisco supports only Skype version 1. Version 2 is not yet supported.	<a href="#">“Classifying Network Traffic Using NBAR”</a> <a href="#">“Configuring NBAR Using the MQC”</a>
12.4(2)T	NBAR—BitTorrent PDLM	Provides support for the BitTorrent PDLM and protocol. The BitTorrent protocol can now be recognized when using the MQC to classify traffic.	<a href="#">“Classifying Network Traffic Using NBAR”</a> <a href="#">“Configuring NBAR Using the MQC”</a> <a href="#">“Adding Application Recognition Modules”</a>
	NBAR—Citrix ICA Published Applications	Enables NBAR to classify traffic on the basis of the Citrix Independent Computing Architecture (ICA) published application name and tag number.	<a href="#">“Classifying Network Traffic Using NBAR”</a> <a href="#">“Configuring NBAR Using the MQC”</a>
	NBAR—Multiple Matches Per Port	Provides the ability for NBAR to distinguish between values of an attribute within the traffic stream of a particular application on a TCP or UDP port.	<a href="#">“Classifying Network Traffic Using NBAR”</a> <a href="#">“Configuring NBAR Using the MQC”</a> <a href="#">“Creating a Custom Protocol”</a>

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