



Release Notes for NBAR2 Protocol Pack 3.1.0

Last Updated: February 15, 2013

Supported Platforms

Network Based Application Recognition (NBAR) Protocol Pack 3.1.0 is supported on Cisco ASR 1000 Series Aggregation Services Routers and Cisco ISR G2 Series Integrated Services Routers.

New Protocols in NBAR2 Protocol Pack 3.1.0

The following protocols are added to NBAR2 Protocol Pack 3.1.0:

Common Name	Syntax Name	Description
BitTorrent Networking	bittorrent-networking	BitTorrent Networking is a part of the BitTorrent protocol. It is responsible for acquiring peers from the tracker, DHT network, or any other means, and initiating data transfer sessions between the client and the acquired peers.
Xunlei	xunlei	Xunlei is a download manager and p2p sharing application. Xunlei supports bittorrent, edonkey, http, and ftp protocols. Xunlei also boosts the download speed using multi source technology.

Updated Protocols in NBAR2 Protocol Pack 3.1.0

The following protocols are updated in NBAR2 Protocol Pack 3.1.0:

Protocol	Updates
bittorrent	Updated signatures to allow better blocking of the application.
qqlive	Updated signatures to support mobile platforms (iOS and android).
tcp-over-dns	Updated signatures to avoid potential misclassification as <i>dns</i> .

Other New Features in NBAR2 Protocol Pack 3.1.0

The following attribute groups added from Cisco IOS XE Release 3.8S can be used with the **ip nbar attribute-map** command:



Americas Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

- custom-category
- custom-sub-category
- custom-group

For more information on the **ip nbar attribute-map** command, see the *Quality of Service Solutions Command Reference*.

Caveats in NBAR2 Protocol Pack 3.1.0



Note

If you have an account on Cisco.com, you can also use the Bug Toolkit to find select caveats of any severity. To reach the Bug Toolkit, log in to Cisco.com and go to http://www.cisco.com/pcgi-bin/Support/Bugtool/launch_bugtool.pl. (If the defect that you have requested cannot be displayed, this may be due to one or more of the following reasons: the defect number does not exist, the defect does not have a customer-visible description yet, or the defect has been marked Cisco Confidential.)

Resolved Caveats in NBAR2 Protocol Pack 3.1.0

The following table lists the resolved caveats in NBAR2 Protocol Pack 3.1.0:

Resolved Caveat	Description
CSCud09899	Traffic generated by <i>pptv</i> mobile clients might be classified as <i>video-over-http</i> .
CSCud15977	Traffic generated by <i>pandora</i> might be misclassified in QoS mode.
CSCud15981	Traffic generated by <i>yahoo-messenger</i> might be classified late in QoS mode.

Known Caveats in NBAR2 Protocol Pack 3.1.0

The following table lists the known caveats in NBAR2 Protocol Pack 3.1.0:

Known Caveat	Description
CSCtx65481	Traffic generated by <i>pcAnywhere</i> for mac and <i>pcAnywhere</i> mobile app might be misclassified as unknown
CSCub62860	<i>gtalk-video</i> might be misclassified as <i>rtp</i>
CSCub89835	<i>gbridge</i> pc client might not be blocked
CSCuc43505	Traffic generated by <i>AIM Pro</i> might be misclassified as <i>unknown</i> and <i>webex-meeting</i>
CSCuc57822	NBAR classification granularity may not work or some protocols may be classified as unknown. The CSCuc57822 caveat is specific to Cisco IOS XE Release 3.7S on Cisco ASR 1000 Series Aggregation Services Routers.
CSCud50646	Traffic generated by the <i>Netflix iPad</i> app might be misclassified as <i>http</i>

Restrictions and Limitations in NBAR2 Protocol Pack 3.1.0

The following table lists the limitations and restrictions in NBAR2 Protocol Pack 3.1.0:

Protocol	Limitation/Restriction
bittorrent	http traffic generated by the <i>bitcomet bittorrent</i> client might be classified as <i>http</i>
livemeeting	Application is discontinued and replaced with <i>ms-lync</i> , traffic generated by <i>livemeeting</i> may be classified as <i>ms-lync</i>
hulu	Encrypted video streaming generated by <i>hulu</i> might be classified as its underlying protocol <i>rtmpe</i>
logmein	Traffic generated by the <i>logmein</i> android app might be misclassified as <i>ssl</i>
ms-lync	Login and chat traffic generated by the <i>ms-lync</i> client might be misclassified as <i>ssl</i>
secondlife	Voice traffic generated by <i>secondlife</i> might be misclassified as <i>ssl</i>

Downloading NBAR2 Protocol Packs

NBAR2 Protocol Packs are available for download as Software Type 'NBAR2 Protocol Pack' on cisco.com software download page (<http://www.cisco.com/cisco/software/navigator.html>).

Additional References

Related Documents

Related Topic	Document Title
Application Visibility and Control	Application Visibility and Control Configuration Guide
Classifying Network Traffic Using NBAR	Classifying Network Traffic Using NBAR module
NBAR Protocol Pack	NBAR Protocol Pack module
QoS: NBAR Configuration Guide	QoS: NBAR Configuration Guide
QoS Command Reference	Quality of Service Solutions Command Reference

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