



# NBAR2 Protocol Pack 13.0.0

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## Overview

NBAR2 Protocol Pack 13.0.0 contains the Enhanced Web Classification feature that supports multi-transactions export of URLs. For more information on this feature, see [Classifying Network Traffic Using NBAR](#)

## Supported Platforms

NBAR2 Protocol Pack 13.0.0 is supported on the following platforms:

- Cisco ASR 1000 Series Aggregation Services Routers
- Cisco Integrated Services Router Generation 2 (Cisco ISR G2)

## New Protocols in NBAR2 Protocol Pack 13.0.0

The following protocols have been added to NBAR2 Protocol Pack 13.0.0

Protocol Name	Common Name	Long Description
citrix-audio	Citrix Audio	Citrix-Audio refers to all audio traffic in Citrix multistream configuration..

Protocol Name	Common Name	Long Description
mpeg2-ts	MPEG-2 Transport Stream	MPEG2-TS (MPEG2 transport stream, MTS or TS), is a standard format for transmission and storage of audio, video, and Program and System Information Protocol (PSIP) data. It is used in broadcast systems such as DVB, ATSC and IPTV.
cisco-phone-audio	Cisco Phone Audio	Cisco Phone Audio is a VoIP telephone used mainly in corporations and can be used on or off site. This is the audio part of Cisco-Phone calls when the signaling is over SIP and the media is over RTP.
cisco-phone-video	Cisco Phone Video	Cisco Phone Video is a VoIP telephone used mainly in corporations and can be used on or off site. This is the video part of Cisco-Phone calls when the signaling is over SIP and the media is over RTP.
mail-ru	Mail.ru	mail.ru, Russian communication web portal, Email and cloud storage services.

## Updated Protocols in NBAR2 Protocol Pack 13.0.0

The following protocols are updated in NBAR2 Protocol Pack 13.0.0:

Protocol	Updates
skype	Updated signatures (to support Skype version 6.21.0.x)
ms-lync-video	Updated signatures.
youtube	Updated signatures.
sip	Updated signatures.
telepresence-control	Updated signatures to support Tandberg product family.
cisco-jabber-control	Updated signatures to support Android client.
ms-sms	Updated signatures.
dns	Updated signatures.
netflix	Updated signatures.
cisco-phone	Updated signatures.

# Caveats in NBAR2 Protocol Pack 13.0.0



**Note**

If you have an account on Cisco.com, you can also use the Bug Search Tool to find select caveats of any severity. To reach the Bug Toolkit, log in to Cisco.com and go to <https://tools.cisco.com/bugsearch/bug/<BUGID>>. (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 13.0.0

The following table lists the resolved caveats in NBAR2 Protocol Pack 13.0.0:

Resolved Caveat	Description
CSCuq06934	NBAR - Protocol ms-sms - missing signatures
CSCuq84570	MS-lync-video traffic being classified as rtp traffic using NBAR

### Known Caveats in NBAR2 Protocol Pack 13.0.0

The following table lists the known caveats in NBAR2 Protocol Pack 13.0.0:

Known Caveat	Description
CSCuh49380	PCoIP session-priority configuration limitation
CSCuh53623	Segmented packets are not classified when using NBAR sub classification
CSCun61772	IPv4 bundles might be used in IPv6 traffic

# Restrictions and Limitations in NBAR2 Protocol Pack 13.0.0

The following table lists the limitations and restrictions in NBAR2 Protocol Pack 13.0.0:

Protocol	Limitation/Restriction
apple-app-store	Login and a few encrypted sessions are classified as <i>iTunes</i>
bittorrent	<i>http</i> traffic generated by the <i>bitcomet bittorrent</i> client might be classified as <i>http</i>
capwap-data	For <i>capwap-data</i> to be classified correctly, <i>capwap-control</i> must also be enabled
cisco-jabber	Encrypted <i>cisco jabber</i> might be classified as unknown.

Protocol	Limitation/Restriction
ftp	During configuring QoS class-map with ftp-data, the ftp protocol must be selected. As an alternative, the ftp application group can be selected.
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>
pcanywhere	Traffic generated by <i>pcanywhere</i> for mac might be classified as unknown
perfect-dark	Some <i>perfect-dark</i> sessions might be classified as unknown
qq-accounts	Login to QQ applications which is not via web may not be classified as qq-accounts
secondlife	Voice traffic generated by <i>secondlife</i> might be misclassified as <i>ssl</i>
ssl	<p>Sub Classification (SC) mechanism was modified to include search for wildcard.</p> <p><b>Note</b> SC rule for the part of the Server Name Indication (SNI) or the common name (CN) can now include a wildcard. If a wildcard is not used, the complete SNI or the CN is required.</p> <p>For example, you can either use, "*.pqr.com" or "abc.pqr.com" to classify abc.pqr.com.</p>

## Downloading NBAR2 Protocol Pack 13.0.0

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	<a href="#">Cisco Application Visibility and Control User Guide</a> for IOS Release 15.4(1)T and IOS XE Release 3.11S <a href="#">Cisco Application Visibility and Control User Guide</a> for Cisco IOS Release 15.4(2)T and Cisco IOS XE Release 3.12S
Classifying Network Traffic Using NBAR	<a href="#">Classifying Network Traffic Using NBAR</a> module
NBAR Protocol Pack	<a href="#">NBAR Protocol Pack</a> module
QoS: NBAR Configuration Guide	<a href="#">QoS: NBAR Configuration Guide</a>
QoS Command Reference	<a href="#">Quality of Service Solutions Command Reference</a>

