



Release Notes for NBAR2 Protocol Pack 4.0.0

Supported Platforms

Network Based Application Recognition (NBAR) Protocol Pack 4.0.0 is supported on Cisco ASR 1000 Series Aggregation Services Routers and Cisco ISR G2 Series Integrated Service Routers.

New Protocols in NBAR2 Protocol Pack 4.0.0

The following protocols are added to NBAR2 Protocol Pack 4.0.0:

Common Name	Syntax Name	Description
Border Gateway Protocol	bgp	Border Gateway Protocol (BGP) is a protocol designed to share network information (for example, network reachability) between autonomous systems (AS). According to the information, the BGP routers build/modify their routing tables. The BGP protocol was designed to replace the Exterior Gateway Protocol (EGP).
DameWare Mini Remote Control	dameware-mrc	DameWare Mini Remote Control provides powerful remote control software for connecting to remote desktops, laptops, and server, to troubleshoot and solve issues. MRC allows users to control Mac OS X, Windows and Linux systems remotely, either by using the proprietary MRC protocol, or using other protocol such as Microsoft RDP, VNC, and Intel AMT KVM.
Layer 2 Tunneling Protocol	l2tp	Layer 2 Tunneling Protocol (L2TP) is a tunneling protocol used to support virtual private networks (VPNs) or as a part of the delivery of services by ISPs. L2TP does not provide any encryption or confidentiality by itself; L2TP relies on an encryption protocol that it passes within the tunnel to provide privacy.



Common Name	Syntax Name	Description
SHOUTcast Internet Radio	shoutcast	SHOUTcast is cross-platform proprietary software for streaming media over the Internet. The software, developed by Nullsoft (purchased by AOL on June 1, 1999) allows digital audio content, primarily in MP3 or HE-AAC format, to be broadcast to and from media player software, enabling the creation of Internet radio stations. SHOUTcast Radio is a related website which provides a directory of SHOUTcast stations. The SHOUTcast protocol supports the traffic of listening to a radio channel on different platforms. The traffic of broadcasting a radio channel is not included.
Webex Application Sharing	webex-app-sharing	WebEx-App-Sharing is granular classification of WebEx protocol application sharing traffic, configured with HTTP-proxy.
Webex Media	webex-media	WebEx-Media is granular classification of WebEx protocol video, audio, and file sharing traffic, configured with HTTP-proxy.
Xunlei Kankan	xunlei-kankan	Xunlei Kankan is a Chinese video sharing website and a desktop application. Xunlei Kankan enables users to watch high quality video content that is available on windows android and iOS.

Updated Protocols in NBAR2 Protocol Pack 4.0.0

The following protocols are updated in NBAR2 Protocol Pack 4.0.0:

Protocol	Updates
citrix	Updated signatures to support the iDevices and android apps.
netflix	Updated signatures to support the iPad app.

Caveats in NBAR2 Protocol Pack 4.0.0



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 4.0.0

The following table lists the resolved caveats in NBAR2 Protocol Pack 4.0.0:

Resolved Caveat	Description
CSCuc31791	Oracle-sqlnet traffic misclassified as <i>Ncube-Im</i> .
CSCud50646	Traffic generated by the <i>Netflix iPad</i> app might be misclassified as <i>http</i> .
CSCud60751	Login traffic generated by <i>xunlei</i> client might be misclassified as <i>unknown</i> .

Known Caveats in NBAR2 Protocol Pack 4.0.0

The following table lists the known caveats in NBAR2 Protocol Pack 4.0.0:

Known Caveat	Description
CSCtx65481	Traffic generated by <i>pcAnywhere</i> for mac and <i>pcAnywhere</i> mobile app might be misclassified as <i>unknown</i>
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 <i>unknown</i> . The CSCuc57822 caveat is specific to Cisco IOS XE Release 3.7S on Cisco ASR 1000 Series Aggregation Services Routers.
Cscud99705	In rare situations, <i>HTTP</i> traffic may be classified as <i>QQLive</i>
CSCue08462	Some <i>Xunlei-KanKan</i> traffic may be misclassified as <i>Xunlei</i>
CSCue47354	HTTP field-extraction is not working as expected

Restrictions and Limitations in NBAR2 Protocol Pack 4.0.0

The following table lists the limitations and restrictions in NBAR2 Protocol Pack 4.0.0:

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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