



Release Notes for NBAR2 Protocol Pack 34.0.0

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Overview

The NBAR2 Protocol Pack 34.0.0 release includes:

- New protocols: Akamai, Apple Push Notification Service, BrightTalk, CNN, GoToMeeting, Gyao, H.225, H.245, SCCP User Adaptation, Siebel CRM, Spotify, SQLI, Vimeo
- Improvements to classification in the following protocols: FTP-Data, Internet Radio, iTunes-audio, Microsoft Office 365, PandoraSalesforce CRM, SPDY, TACACS

Supported Platforms

NBAR2 Protocol Pack 34.0.0 is supported on the following platforms:

- Cisco ASR 1000 Series Aggregation Services Routers (ASR1000)
- Cisco 4000 Series Integrated Services Routers (ISR4000)
- Cisco Cloud Services Router CSR 1000V

Supported Releases

NBAR Protocol Pack 34.0.0 is supported on the following releases:

Built-in	Supported on Maintenance Releases
-	Cisco IOS XE Denali 16.3.2 and later maintenance releases of 16.3.x Cisco IOS XE Everest 16.6.2 and later maintenance releases of 16.6.x

New Protocols in NBAR2 Protocol Pack 34.0.0

The following table lists the new protocols added in NBAR2 Protocol Pack 34.0.0.

Protocol Name	Common Name	Long Description
akamai	Akamai	Akamai Technologies, Inc. is an American content delivery network (CDN) and cloud services provider. The company operates a network of servers around the world and rents capacity on these servers to customers who want their websites to work faster by distributing content from locations close to the user.
apple-push-notification	Apple Push Notification Service	Apple Push Notification Service (APNs) is a platform notification service created by Apple Inc. that enables third party application developers to send notification data to applications installed on Apple devices.
brighttalk	BrightTalk	BrightTalk professional webinar and video solutions.
cnn	CNN	Cable News Network (CNN) is an American basic cable and satellite television news channel.
gotomeeting	GoToMeeting	GoToMeeting is a web-hosted service for online meeting, desktop sharing, and video conferencing that enables users to meet with other computer users, customers, clients, or colleagues via internet in real time.
gyao	Gyao	Gyao is a video site operated by Yahoo Japan.
h225	H.225	H.225 is part of the H.323 family of telecommunication protocols, used for call signaling and control.
h245	H.245	H.245 is a control channel protocol used within H.323 and H.324 communication sessions, and involves the line transmission of non-telephone signals.
sccp-user-adaptation	SCCP User Adaptation	SCCP User Adaptation (SUA) provides an SCTP adaptation layer for the seamless backhaul or peering of Signalling Connection Control Part user messages and service interface across an IP network.
siebel-crm	Siebel CRM	Oracle Social CRM combines traditional enterprise CRM capabilities with social networking and Web 2.0 technologies. The applications are designed to reflect the way sales people work by helping them identify qualified leads, develop sales campaigns, and collaborate with colleagues.

Protocol Name	Common Name	Long Description
spotify	Spotify	Spotify is a commercial music streaming service providing digital rights management (DRM)-restricted content from record labels, including Sony, EMI, Warner Music Group and Universal. Users can browse for music, or search by artist, album, genre, playlist, or record label. Paid "Premium" subscriptions remove advertisements and allow users to download music to listen offline.
sqli	SQLI	The SQLI (Structured Query Language Interface) protocol is a proprietary protocol used by IBM Informix servers.
vimeo	Vimeo	Vimeo is a video-sharing website in which users can upload, share, and view videos.

Updated Protocols in NBAR2 Protocol Pack 34.0.0

The following protocols have been updated to improve accuracy.

ftp-data

itunes-audio

ms-office-365

pandora

salesforce

spdy

tacacs

Caveats in NBAR2 Protocol Pack 34.0.0



Note If you have an account on Cisco.com, you can view information on select caveats, using the Bug Search Tool (<https://tools.cisco.com/bugsearch/search>).

Open Caveats in NBAR2 Protocol Pack 34.0.0

The following table lists the open caveats in NBAR2 Protocol Pack 34.0.0:

Caveat	Description
CSCvh15322	Warning message while installing NBAR Protocol Pack 34.0.0 on non-ASR platforms. Note Resolved in Protocol Pack 35.0.0.
CSCvg67293	NBAR upgrade modifies class-map configuration Note Relevant only when using Cisco IOS XE Denali 16.3.2.
CSCvf90928	NBAR should support DNS packets with some of the 'Z' reserved bits turned on. Note Relevant only when using Cisco IOS XE Denali 16.3.2.

Downloading NBAR2 Protocol Pack 34.0.0

NBAR2 Protocol Packs are available for download on the Cisco.com software download page (<https://software.cisco.com/download/navigator.html>). On the download page, specify a platform model to display software available for download. One software option will be **NBAR2 Protocol Packs**.

Example

To display Protocol Packs available for the Cisco ASR 1001 platform, the navigation path is:

Products > Routers > Service Provider Edge Routers > ASR 1000 Series Aggregation Services Routers > ASR 1001 Router

Additional References

Related Documentation

Related Topic	Document Title
Application Visibility and Control	Cisco Application Visibility and Control User 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, Cisco IOS XE 16
QoS Command Reference	Quality of Service Solutions Command Reference