Release Notes for Cisco Protocol Pack 64.0.0

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Overview

Cisco NBAR2 Protocol Pack 64.0.0 release includes the following updates:

- New protocols: google-chat, google-meet, google-meet-audio, google-meet-media, google-meet-video

- Improvements to classification of these protocols: amazon-chime-media, bittorrent-networking, cisco-sdwan-ipsec, ms-office-365, ms-teams

- Deprecated protocols: hangouts, hangouts-audio, hangouts-chat, hangouts-file-transfer, hangouts-media, hangouts-video

See Cisco NBAR2 Protocols for protocol details.

Supported Platforms and Releases

Releases Supported for Upgrade

Platform	Releases Supported for Upgrade
Routers	
Cisco ASR 1000 Series Aggregation Services Routers (ASR1000)	Cisco IOS XE Bengaluru 17.6.1a and later maintenance releases of 17.6.x Cisco IOS XE Cupertino 17.9.1a and later maintenance releases of 17.9.x
Cisco 4000 Series Integrated Services Routers (ISR4000)	Cisco IOS XE Bengaluru 17.6.1a and later maintenance releases of 17.6.x Cisco IOS XE Cupertino 17.9.1a and later maintenance releases of 17.9.x
Cisco 1100 Series Integrated Service Routers (ISR1100)	Cisco IOS XE Bengaluru 17.6.1a and later maintenance releases of 17.6.x Cisco IOS XE Cupertino 17.9.1a and later maintenance releases of 17.9.x
Cisco Catalyst 8200 Series Edge Platforms	Cisco IOS XE Bengaluru 17.6.1a and later maintenance releases of 17.6.x Cisco IOS XE Cupertino 17.9.1a and later maintenance releases of 17.9.x

Platform	Releases Supported for Upgrade
Cisco Catalyst 8300 Series Edge Platforms	Cisco IOS XE Bengaluru 17.6.1a and later maintenance releases of 17.6.x Cisco IOS XE Cupertino 17.9.1a and later maintenance releases of 17.9.x
Cisco Catalyst 8500 Series Edge Platforms	Cisco IOS XE Bengaluru 17.6.1a and later maintenance releases of 17.6.x Cisco IOS XE Cupertino 17.9.1a and later maintenance releases of 17.9.x
Cisco Catalyst 8500L Series Edge Platforms	Cisco IOS XE Bengaluru 17.6.1a and later maintenance releases of 17.6.x Cisco IOS XE Cupertino 17.9.1a and later maintenance releases of 17.9.x
Switches	
Cisco Catalyst 9200 Series Switches	Cisco IOS XE Bengaluru 17.6.1 and later maintenance releases of 17.6.x Cisco IOS XE Cupertino 17.9.1 and later maintenance releases of 17.9.x
Cisco Catalyst 9300 Series Switches	Cisco IOS XE Bengaluru 17.6.1 and later maintenance releases of 17.6.x Cisco IOS XE Cupertino 17.9.1 and later maintenance releases of 17.9.x
Cisco Catalyst 9400 Series Switches	Cisco IOS XE Bengaluru 17.6.1 and later maintenance releases of 17.6.x Cisco IOS XE Cupertino 17.9.1 and later maintenance releases of 17.9.x
Cisco Catalyst IE9300 Rugged Series Switches	Cisco IOS XE Cupertino 17.9.1 and later maintenance releases of 17.9.x
Wireless Controllers	
Cisco 9800 Series Wireless Controllers	Cisco IOS XE Bengaluru 17.6.1 and later maintenance releases of 17.6.x Cisco IOS XE Cupertino 17.9.1 and later maintenance releases of 17.9.x
Cisco DNA Appliance	
Cisco DNA Traffic Telemetry Appliance	Cisco IOS XE Bengaluru 17.6.1a and later maintenance releases of 17.6.x Cisco IOS XE Cupertino 17.9.1a and later maintenance releases of 17.9.x
Software Platforms	
Cisco Catalyst 8000V Edge Software	Cisco IOS XE Bengaluru 17.6.1a and later maintenance releases of 17.6.x Cisco IOS XE Cupertino 17.9.1a and later maintenance releases of 17.9.x

Releases with This Protocol Pack Built In

None

New Protocols

The following protocol(s) were added in NBAR2 Protocol Pack 64.0.0.

Protocol Name	Common Name	Long Description
google-chat	Google Chat	Google Chat (formerly known as Hangouts Chat) is a communication service developed by Google.
google-meet	Google Meet	Google Meet (formerly known as Hangouts Meet) is a video communication service developed by Google.
google-meet-audio	Google Meet Audio	Google Meet audio.
google-meet-media	Google Meet Media	Google Meet media.
google-meet-video	Google Meet Video	Google Meet video.

Updated Protocols

The following protocols have been updated to improve accuracy.

amazon-chime-media (Improved classification for datagram transport layer security (DTLS) traffic produced by Amazon Chime. Cisco NBAR can classify this traffic as Chime Media even when the DNS request made by the Amazon Chime application, related to the session producing the DTLS traffic, is not inspected by Cisco NBAR.)

bittorrent-networking

cisco-sdwan-ipsec

ms-office-365

ms-teams

Deprecated Protocols

The following protocol(s) have been deprecated in this release:

Protocol Name	Long Name	Description
hangouts	Hangouts	Google Hangouts is a communication platform developed by Google which includes instant messaging, video chat, SMS and VOIP features.
hangouts-audio	Hangouts Audio	Google Hangouts audio.
hangouts-chat	Hangouts Chat	Google Hangouts chat.
hangouts-file-transfer	Hangouts File Transfer	Google Hangouts file transfer.
hangouts-media	Hangouts Media	Google Hangouts media.

Protocol Name	Long Name	Description
hangouts-video	Hangouts Video	Google Hangouts video.

Downloading

NBAR2 Protocol Packs are available for download on the Cisco software download page (https://software.cisco.com/download/home). 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, enter "ASR 1001 Router" in the search field.

You can also enter a platform series, such as "ASR 1000 Series," and then select a model from the results.

Additional References

Related Documentation

Related Topic	Document Title
Details of the protocols included in Protocol Packs	Cisco NBAR2 Protocols
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 17 QoS: NBAR Configuration Guide, Cisco IOS XE Gibraltar 16.12.x
QoS Command Reference	Quality of Service Solutions Command Reference