



Release Notes for Cisco Protocol Pack 65.0.0

First Published: 2023-03-27

Last Modified: 2023-03-27

Overview

Cisco NBAR2 Protocol Pack 65.0.0 release includes the following updates:

- New protocols: google-maps, google-translate
- Improvements to classification of these protocols: bittorrent, capwap, cisco-meraki, edonkey, gmail, google-photos, google-services, ms-office-365, ms-services, netapp-snapmirror
- Deprecated protocols: google-plus, picasa
- Resolved caveats: CSCwe21319, CSCwe63665, CSCwe73044

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 Cupertino 17.9.1a and later maintenance releases of 17.9.x
Cisco 4000 Series Integrated Services Routers (ISR4000)	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 Cupertino 17.9.1a and later maintenance releases of 17.9.x
Cisco Catalyst 8200 Series Edge Platforms	Cisco IOS XE Cupertino 17.9.1a and later maintenance releases of 17.9.x
Cisco Catalyst 8300 Series Edge Platforms	Cisco IOS XE Cupertino 17.9.1a and later maintenance releases of 17.9.x
Cisco Catalyst 8500 Series Edge Platforms	Cisco IOS XE Cupertino 17.9.1a and later maintenance releases of 17.9.x
Cisco Catalyst 8500L Series Edge Platforms	Cisco IOS XE Cupertino 17.9.1a and later maintenance releases of 17.9.x

Platform	Releases Supported for Upgrade
Switches	
Cisco Catalyst 9200 Series Switches	Cisco IOS XE Cupertino 17.9.1 and later maintenance releases of 17.9.x
Cisco Catalyst 9300 Series Switches	Cisco IOS XE Cupertino 17.9.1 and later maintenance releases of 17.9.x
Cisco Catalyst 9400 Series Switches	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 Cupertino 17.9.1 and later maintenance releases of 17.9.x
Cisco DNA Appliance	
Cisco DNA Traffic Telemetry Appliance	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 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 65.0.0.

Protocol Name	Common Name	Long Description
google-maps	Google Maps	Google Maps is a web mapping platform and consumer application offered by Google.
google-translate	Google Translate	Google Translate is a multilingual neural machine translation service developed by Google to translate text, documents, and websites from one language into another.

Updated Protocols

The following protocols have been updated to improve accuracy.

bittorent
capwap
cisco-meraki
edonkey
gmail
google-photos
google-services
ms-office-365
ms-services
netapp-snapmirror

Deprecated Protocols

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

Protocol Name	Long Name	Description
google-plus	Google+	Google plus is a social networking web and mobile application provided by Google Inc. It enables the user to open account, invite other friends and sort them into circles. It also has features such as chat, video chat, games, apps, photos sharing and more.
picasa	Picasa	Picasa is a photo sharing and editing website by Google.

Caveats



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

Resolved Caveats in NBAR2 Protocol Pack 65.0.0

The following table lists the caveat(s) resolved in NBAR2 Protocol Pack 65.0.0 (since 64.0.0):

Caveat	Description
CSCwe21319	netapp-snapmirror traffic is not getting classified correctly
CSCwe63665	Failure to classify capwap keep-alive packets
CSCwe73044	CDFW L7 firewall rules (NBAR) mis-identifying traffic from Meraki switches

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

