



# Release Notes for NBAR2 Protocol Pack 51.0.0

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# Overview

The NBAR2 Protocol Pack 51.0.0 release includes the following updates:

- Improvements to classification of: amazon, amazon-web-services, facetime, ms-teams-audio, ms-teams-video, webex-audio, webex-media, webex-video, zoom-meeting

# Supported Platforms

NBAR2 Protocol Pack 51.0.0 is supported on the following platforms:

- Cisco ASR 1000 Series Aggregation Services Routers (ASR1000)
- Cisco 4000 Series Integrated Services Routers (ISR4000)
- Cisco 1100 Series Integrated Service Routers (ISR1100)
- Cisco Catalyst 8300 and 8500 Series Edge Platforms
- Cisco Catalyst 3650 and 3850 Series Switches
- Cisco Catalyst 9200, 9300, and 9400 Series Switches
- Cisco 9800 Series Wireless Controllers
- Cisco DNA Traffic Telemetry Appliance
- Cisco Cloud Services Router CSR 1000V

# Supported Releases

NBAR Protocol Pack 51.0.0 is supported on the following releases:

Built-in	Supported on Maintenance Releases
	<p>Routing platforms:</p> <ul style="list-style-type: none"><li>Cisco IOS XE Amsterdam 17.3.1a and later maintenance releases of 17.3.x</li><li>Cisco IOS XE Gibraltar 16.12.1a and later maintenance releases of 16.12.x</li></ul> <p>Switching platforms (Catalyst):</p> <ul style="list-style-type: none"><li>Cisco IOS XE Amsterdam 17.3.1 and later maintenance releases of 17.3.x</li><li>Cisco IOS XE Gibraltar 16.12.1 and later maintenance releases of 16.12.x</li></ul>

# Updated Protocols

The following protocol(s) have been updated to improve accuracy.

- amazon
- amazon-web-services
- facetime
- ms-teams-audio
- ms-teams-video
- webex-audio
- webex-media
- webex-video
- zoom-meeting

# 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 51.0.0**

The following table lists the caveat(s) resolved in NBAR2 Protocol Pack 51.0.0 (since 50.0.0):

Caveat	Description
<a href="#">CSCvu85445</a>	Cisco IOS XE SD-WAN device ZBFW not blocking amazon-web-services when action item is inspected
<a href="#">CSCvv40042</a>	NBAR is not detecting Facetime which leads to mis-classification of traffic

# 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
Application Visibility and Control	<a href="#">Cisco Application Visibility and Control User Guide</a>
Classifying Network Traffic Using NBAR	<a href="#">Classifying Network Traffic Using NBAR module</a>
NBAR Protocol Pack	<a href="#">NBAR Protocol Pack module</a>
QoS: NBAR Configuration Guide	<a href="#">QoS: NBAR Configuration Guide, Cisco IOS XE 17</a> <a href="#">QoS: NBAR Configuration Guide, Cisco IOS XE Gibraltar 16.12.x</a>
QoS Command Reference	<a href="#">Quality of Service Solutions Command Reference</a>