



# Release Notes for NBAR2 Protocol Pack 44.0.0

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# Overview

The NBAR2 Protocol Pack 44.0.0 release includes the following updates:

- New protocols: cisco-sdwan-control, cisco-sdwan-ipsec, ms-stream
- Improvements to classification of one protocol: llmnr
- Protocol deprecated: ms-streaming

## Supported Platforms

NBAR2 Protocol Pack 44.0.0 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 Cloud Services Router CSR 1000V
- Cisco Catalyst 3650, 3850, and 9300 Series Switches

## Supported Releases

NBAR Protocol Pack 44.0.0 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 Everest 16.6.2 and later maintenance releases of 16.6.x</li><li>Cisco IOS XE Fuji 16.9.1 and later maintenance releases of 16.9.x</li></ul> <p>Switching platforms (Catalyst):</p> <ul style="list-style-type: none"><li>Cisco IOS XE Everest 16.6.4 and later maintenance releases of 16.6.x</li><li>Cisco IOS XE Fuji 16.9.1 and later maintenance releases of 16.9.x</li></ul>

## New Protocols

The following protocols were added in NBAR2 Protocol Pack 44.0.0.

Protocol Name	Common Name	Long Description
cisco-sdwan-control	Cisco SD-WAN Control	Cisco Software-defined WAN, formerly Viptela SDWAN, control protocols.
cisco-sdwan-ipsec	Cisco SD-WAN IPsec	Cisco Software-defined WAN, formerly Viptela SDWAN, IPsec Protocols.
ms-stream	Microsoft Media Server	Microsoft Media Server (MMS) is Microsoft's proprietary network streaming protocol used to transfer unicast data in Windows Media Services.

## Updated Protocols

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

llmnr

## Deprecated Protocols

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

Protocol Name	Long Name	Description
ms-streaming	Microsoft Media Server	Microsoft Media Server (MMS) is Microsoft's proprietary network streaming protocol used to transfer unicast data in Windows Media Services.

# Caveats in NBAR2 Protocol Pack 44.0.0



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**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/>).

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## Resolved Caveats in NBAR2 Protocol Pack 44.0.0

The following table lists the caveats resolved in NBAR2 Protocol Pack 44.0.0 (since 43.0.0):

Caveat	Description
<a href="#">CSCvp05128</a>	Skype udp traffic is not getting detected and marked on the outgoing port.



# 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 Gibraltar 16.11.x</a> <a href="#">QoS: NBAR Configuration Guide, Cisco IOS XE Gibraltar 16.10.x</a> <a href="#">QoS: NBAR Configuration Guide, Cisco IOS XE Fuji 16.9.x</a> <a href="#">QoS: NBAR Configuration Guide, Cisco IOS XE Fuji 16.8.x</a> <a href="#">QoS: NBAR Configuration Guide, Cisco IOS XE Fuji 16.7.x</a> <a href="#">QoS: NBAR Configuration Guide, Cisco IOS XE Everest 16.6.x</a>
QoS Command Reference	<a href="#">Quality of Service Solutions Command Reference</a>