



# Release Notes for NBAR2 Protocol Pack 45.0.0

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# Overview

The NBAR2 Protocol Pack 45.0.0 release includes the following updates:

- New protocols: dhcpv6
- Improvements to classification of these protocols: crashplan, facebook, ms-services



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**Note** Protocols to be deprecated in the next Protocol Pack release: dhcpv6-server, dhcpv6-client

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# Supported Platforms

NBAR2 Protocol Pack 45.0.0 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 and 3850 Series Switches
- Cisco Catalyst 9200, 9300, and 9400 Series Switches

# Supported Releases

NBAR Protocol Pack 45.0.0 is supported on the following releases:

Built-in	Supported on Maintenance Releases
Cisco IOS XE Amsterdam 17.1.1	Routing platforms: Cisco IOS XE Fuji 16.9.1 and later maintenance releases of 16.9.x Cisco IOS XE Gibraltar 16.12.1a and later maintenance releases of 16.12.x  Switching platforms (Catalyst): Cisco IOS XE Fuji 16.9.1 and later maintenance releases of 16.9.x Cisco IOS XE Gibraltar 16.12.1 and later maintenance releases of 16.12.x

## New Protocols

The following protocols were added in NBAR2 Protocol Pack 45.0.0.

Protocol Name	Common Name	Long Description
dhcpv6	DHCPv6	DHCPv6 is a network protocol that is used for configuring IPv6 hosts with IP addresses, IP prefixes and/or another configuration required to operate on an IPv6 network. IPv6 hosts can acquire IP addresses using stateless address autoconfiguration, or by using DHCPv6. DHCP tends to be preferred at sites where central management of hosts is valued; stateless autoconfiguration does not require any sort of central management and is therefore preferable in networks where no management is readily available, such as a typical home network.

## Updated Protocols

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

- crashplan
- facebook
- ms-services

# 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 16.12.x</a> <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>