



# CISCO ASR 1000 Protocol Pack Edge Software User Guide

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**CISCO ASR 1000 Protocol Pack Edge Software**



## Specifications

- Product Name: Cisco Protocol Pack 70.0.0
- First Published: 2024-06-03
- Last Modified: 2024-06-03

## Product Information

The Cisco Protocol Pack 70.0.0 provides updates and new protocols for supported Cisco platforms including routers, switches, wireless controllers, and software platforms.

## Supported Platforms and Releases

The following platforms are supported for upgrades with Cisco Protocol Pack 70.0.0:

- **Routers:**
  - Cisco ASR 1000 Series Aggregation Services Routers (ASR1000) with Cisco IOS XE Dublin 17.12.1a and later maintenance releases of 17.12.x
  - Cisco 4000 Series Integrated Services Routers (ISR4000) with Cisco IOS XE Dublin 17.12.1a and later maintenance releases of 17.12.x
  - Cisco 1100 Series Integrated Service Routers (ISR1100) with Cisco IOS XE Dublin 17.12.1a and later maintenance releases of 17.12.x
  - And more...
- **Switches:**
  - Cisco Catalyst 9200 Series Switches
  - Cisco Catalyst 9300 Series Switches
  - Cisco Catalyst 9400 Series Switches
  - And more...

- **Wireless Controllers:**

- Cisco 9800 Series Wireless Controllers

- **Software Platforms:**

- Cisco Catalyst 8000V Edge Software with Cisco IOS XE Dublin 17.12.1 and later maintenance releases of 17.12.x
- And more...

## Product Usage Instructions

1. Ensure your device is compatible with Cisco Protocol Pack 70.0.0 based on the supported platforms list.
2. Download the NBAR2 Protocol Packs from the Cisco software download page specifying your platform model.
3. Follow the installation instructions provided with the download to upgrade your device.

## FAQ

- **Q: Where can I download the NBAR2 Protocol Packs?**

A: NBAR2 Protocol Packs are available for download on the Cisco software download page at <https://software.cisco.com/download/home>. Specify your platform model to display available software for download.

- **Q: What new protocols are included in Cisco Protocol Pack 70.0.0?**

A: One of the new protocols included is ws-discovery, which is a technical specification that defines a multicast discovery protocol to locate services on a local network.

## Release Notes for Cisco Protocol Pack 70.0.0

**First Published:** 2024-06-03

**Last Modified:** 2024-06-03

Release Notes for Cisco Protocol Pack 70.0.0 Overview

Cisco NBAR2 Protocol Pack release 70.0.0 includes the following updates:

- **New protocols:** ws-discovery
- **Improvements to classification of these protocols:** http, ms-services, ssl

See Cisco NBAR2 Protocol Reference for protocol details.

## Supported Platforms and Releases

### Releases Supported for Upgrade

Platform	Releases Supported for Upgrade
<b>Routers</b>	
Cisco ASR 1000 Series Aggregation Services Routers (ASR1000)	Cisco IOS XE Dublin 17.12.1a and later maintenance releases of 17.12.x
Cisco 4000 Series Integrated Services Routers (ISR4000)	Cisco IOS XE Dublin 17.12.1a and later maintenance releases of 17.12.x
Cisco 1100 Series Integrated Service Routers (ISR1100)	Cisco IOS XE Dublin 17.12.1a and later maintenance releases of 17.12.x
Cisco Catalyst 8200 Series Edge Platforms	Cisco IOS XE Dublin 17.12.1a and later maintenance releases of 17.12.x
Cisco Catalyst 8300 Series Edge Platforms	Cisco IOS XE Dublin 17.12.1a and later maintenance releases of 17.12.x
Cisco Catalyst 8500 Series Edge Platforms	Cisco IOS XE Dublin 17.12.1a and later maintenance releases of 17.12.x
Cisco Catalyst 8500L Series Edge Platforms	Cisco IOS XE Dublin 17.12.1a and later maintenance releases of 17.12.x

Platform	Releases Supported for Upgrade
<b>Switches</b>	
Cisco Catalyst 9200 Series Switches	Cisco IOS XE Dublin 17.12.1 and later maintenance releases of 17.12.x
Cisco Catalyst 9300 Series Switches	Cisco IOS XE Dublin 17.12.1 and later maintenance releases of 17.12.x
Cisco Catalyst 9400 Series Switches	Cisco IOS XE Dublin 17.12.1 and later maintenance releases of 17.12.x
Cisco Catalyst IE9300 Rugged Series Switches	Cisco IOS XE Dublin 17.12.1 and later maintenance releases of 17.12.x
<b>Wireless Controllers</b>	
Cisco 9800 Series Wireless Controllers	Cisco IOS XE Dublin 17.12.1 and later maintenance releases of 17.12.x
<b>Software Platforms</b>	
Cisco Catalyst 8000V Edge Software	Cisco IOS XE Dublin 17.12.1a and later maintenance releases of 17.12.x

## New Protocols

The following protocol(s) were added in NBAR2 Protocol Pack 70.0.0.

Protocol Name	Common Name	Long Description
ws-discovery	Web Services Dynamic Discovery	Web Services Dynamic Discovery (WS-Discovery) is a technical specification that defines a multicast discovery protocol to locate services on a local network.

## Updated Protocols

The following protocols have been updated to improve accuracy:

- http
- ms-services
- ssl

## Caveats

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

Protocol Name	Common Name	Long Description
ws-discovery	Web Services Dynamic Discovery	Web Services Dynamic Discovery (WS-Discovery) is a technical specification that defines a multicast discovery protocol to locate services on a local network.

## 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
List of Protocol Packs	NBAR2 Protocol Pack Library
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

Related Topic	Document Title
QoS Command Reference	Quality of Service Solutions Command Reference

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Documents / Resources

	<p><a href="#">CISCO ASR 1000 Protocol Pack Edge Software</a> [pdf] User Guide</p> <p>ASR 1000, ISR4000, ISR1100, Catalyst 8200, Catalyst 8300, Catalyst 8500, Catalyst 8500L, Catalyst 9200, Catalyst 9300, Catalyst 9400, Catalyst IE9300, 9800 Series Wireless Controllers, Catalyst 8000V Edge Software, ASR 1000 Protocol Pack Edge Software, ASR 1000, Protocol Pack Edge Software, Pack Edge Software, Edge Software, Software</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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