Release Notes for Cisco Protocol Pack 66.0.0

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Overview

Cisco NBAR2 Protocol Pack 66.0.0 release includes the following updates:

- New protocols: onedrive, tiktok, vmware-horizon, vmware-horizon-display, vmware-horizon-usb

- Improvements to classification of these protocols: active-directory, cisco-meraki, cisco-phone, dns, edonkey, naver-line, ssl, stun-nat, ultrasurf, webex-media

- Deprecated protocols: backpage, skydrive, spdy, vmware-view

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

Cisco IOS XE Dublin 17.12.1

Cisco IOS XE Dublin 17.12.1a

New Protocols

The following protocol(s) were added in NBAR2 Protocol Pack 66.0.0.

Protocol Name	Common Name	Long Description
onedrive	Microsoft OneDrive	Microsoft OneDrive (formerly known as SkyDrive) is a file hosting service that allows users to upload and sync files to a cloud storage and then access them from a web browser or a mobile application.
tiktok	TikTok	TikTok is a social media platform that allows users to create and share short videos.

Protocol Name	Common Name	Long Description
vmware-horizon	VMware Horizon	VMware Horizon (formerly called Horizon View) is a commercial desktop and app virtualization product developed by VMware, Inc for Microsoft Windows, Linux, and macOS operating systems.
vmware-horizon-display	VMware Horizon Display	Tunneled Horizon client device display protocol session traffic via Blast Secure Gateway/RDP or PCOIP protocols.
vmware-horizon-usb	VMware Horizon USB	USB redirection for an internal VMWARE Horizon client device.

Updated Protocols

The following protocols have been updated to improve accuracy.

active-directory
cisco-meraki
cisco-phone
dns
edonkey
naver-line
ssl
stun-nat,
ultrasurf
webex-media

Deprecated Protocols

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

Protocol Name	Long Name	Description
backpage	Backpage.com	Backpage.com - Free classified ads.
skydrive	Microsoft SkyDrive	Microsoft SkyDrive is a file hosting service that allows users to upload and sync files to a cloud storage and then access them from a web browser or a mobile application.

Protocol Name	Long Name	Description
spdy	SPDY	SPDY (pronounced speedy) is an open networking protocol developed primarily at Google for transporting web content. SPDY is similar to HTTP, with particular goals to reduce web page load latency and improve web security. SPDY achieves reduced latency through compression, multiplexing, and prioritization. The name "SPDY" is a trademark of Google.
vmware-view	VMware View	VMware View is a desktop-virtualization product developed by VMware, provides virtual desktop infrastructure (VDI) solution using VMware's virtualization technology. A client desktop operating system runs within a virtual environment on a server. This protocol match the user interface traffic and authentication, the remote desktops traffic sent over PCoIP or Microsoft Remote Desktop protocols.

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 66.0.0

The following table lists the caveat(s) resolved in NBAR2 Protocol Pack 66.0.0 (since 65.0.0):

Caveat	Description
CSCwe73044	CDFW L7 firewall rules (NBAR) mis-identifying traffic from Meraki switches
CSCwf04863	Traffic is incorrectly matched as cisco-phone
CSCwe63665	Failed to classify capwap keep-alive packets

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
QoS Command Reference	Quality of Service Solutions Command Reference