



Release Notes for ADC Plugin Version, Release 2.74.17.2815

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ADC P2P Plugin, Release 2.74.17.2815

This Release Note identifies all changes and issues related to this ADC Plugin Release for the StarOS™ based Application Detection Control (ADC) in-line service, formerly known as Peer-to-Peer Detection.

For more information about the ADC P2P product documentation, see the [Related resources](#) section.

New software features

This section provides new and enhanced software features introduced in this release.

CSCwu14079: SCONE protocol detection

Feature Changes

SCONE (Standard Communication with Network Elements) enables the detection of specific QUIC (Quick UDP Internet Connections) flows to support differentiated charging and policy handling.

ADC-P2P identifies SCONE-capable flows by inspecting the initial QUIC packet information and sharing the information with the User Plane Function (UPF).

When the SCONE detection is enabled at the rulebase level using the **scone-enabled** CLI command, the UPF marks flow as SCONE-capable if both detection parameters are present.

Note: Detection occurs only at flow initiation. Enabling SCONE detection mid-session does not retroactively mark existing flows.

For more information about the UPF's behavior, see the 2026.03.0 UPF release notes.

CSCwu19231: Add support for Roku application

The Roku Channel is an over-the-top (OTT) streaming service offering both free, ad-supported television (FAST) and premium content. It provides a wide array of movies, TV series, live news, sports, and exclusive Roku Originals.

ADC Support for Roku

With this release, the support for detection and classification of “Roku” application is added.

Detection accuracy: 93.73%

Roku (Android): 13.6.0

Roku (iOS): 13.6.0

Command Changes

p2p-detection protocol

This command enables detection of peer-to-peer (P2P) protocols. With this release, the **roku** keyword is added to this command.

configure

```
active-charging service service_name
    [no] p2p-detection protocol roku
    [no] p2p traffic-type = streaming-video
```

```
[no] p2p traffic-type = unclassified
end
```

show active-charging analyzer statistics name p2p

This command displays statistical information for protocol analyzers. With this release, the **roku** keyword is added to the P2P list.

```
show active-charging analyzer statistics name p2p application p2p_list
```

show active-charging flows type p2p

This command displays the information for the active charging flows. With this release, the **roku** keyword is added to the P2P list.

```
show active-charging flows type p2p application p2p_list
```

show active-charging sessions summary

This command displays statistics for Active Charging Service (ACS) sessions. With this release, the **roku** keyword is added to the P2P list:

```
show active-charging sessions summary type p2p application p2p_list
```

Performance Indicator Changes

P2P Schema

New ADC bulk statistics are available in the P2P schema for Roku as part of the plugin. If detection of the roku P2P protocol is enabled, bulk statistics for that protocol will be automatically generated using the Dynamic Software Upgrade plugin installed on the chassis.

The following bulk statistics are added to the P2P schema:

- p2p-roku-uplnk-bytes
- p2p-roku-dwlnk-bytes
- p2p-roku-uplnk-pkts
- p2p-roku-dwlnk-pkts
- p2p-roku-duration
- p2p-roku-unclassified-uplnk-bytes
- p2p-roku-unclassified-dwlnk-bytes
- p2p-roku-unclassified-uplnk-pkts
- p2p-roku-unclassified-dwlnk-pkts
- p2p-roku-unclassified-duration
- p2p-roku-streaming-video-uplnk-bytes
- p2p-roku-streaming-video-dwlnk-bytes
- p2p-roku-streaming-video-uplnk-pkts
- p2p-roku-streaming-video-dwlnk-pkts

- p2p-roku-streaming-video-duration

show active-charging analyzer statistics name p2p application roku verbose

This command displays Active Charging protocol analyzer statistics for the P2P protocol analyzer. With this release, the following fields have been added to the output of this command:

- Roku Unclassified:
 - Total Uplink Bytes
 - Total Downlink Bytes
 - Total Uplink Pkts
 - Total Downlink Pkts
- Roku Streaming-video:
 - Total Uplink Bytes
 - Total Downlink Bytes
 - Total Uplink Pkts
 - Total Downlink Pkts
- Roku:
 - Total Uplink Bytes
 - Total Downlink Bytes
 - Total Uplink Pkts
 - Total Downlink Pkts

show active-charging analyzer statistics name p2p protocol-group name streaming wide all verbose

With this release, the following fields have been added to the output of this command:

- Roku:
 - Total Bytes-Up
 - Total Bytes-Down
 - Total Pkts-Up
 - Total Pkts-Down

CSCwu19231: Add support for Pornhub application

Pornhub is one of the world's largest online video streaming platforms focused on adult (18+) content.

ADC Support for Pornhub

With this release, the support for detection and classification of "Pornhub" application is added.

Detection accuracy: 91.04%

Pornhub (Android): 6.13.0

Pornhub (iOS): -

Command Changes

p2p-detection protocol

This command enables detection of peer-to-peer (P2P) protocols. With this release, the **pornhub** keyword is added to this command.

configure

```
active-charging service service_name
  [no] p2p-detection protocol pornhub
  [no] p2p traffic-type = streaming-video
  [no] p2p traffic-type = unclassified
end
```

show active-charging analyzer statistics name p2p

This command displays statistical information for protocol analyzers. With this release, the **pornhub** keyword is added to the P2P list.

```
show active-charging analyzer statistics name p2p application p2p_list
```

show active-charging flows type p2p

This command displays the information for the active charging flows. With this release, the **pornhub** keyword is added to the P2P list.

```
show active-charging flows type p2p application p2p_list
```

show active-charging sessions summary

This command displays statistics for Active Charging Service (ACS) sessions. With this release, the **pornhub** keyword is added to the P2P list:

```
show active-charging sessions summary type p2p application p2p_list
```

Performance Indicator Changes

P2P Schema

New ADC bulk statistics are available in the P2P schema for Pornhub as part of the plugin. If detection of the pornhub P2P protocol is enabled, bulk statistics for that protocol will be automatically generated using the Dynamic Software Upgrade plugin installed on the chassis.

The following bulk statistics are added to the P2P schema:

- p2p-pornhub-uplnk-bytes
- p2p-pornhub-dwlnk-bytes
- p2p-pornhub-uplnk-pkts
- p2p-pornhub-dwlnk-pkts
- p2p-pornhub-duration

- p2p-pornhub-unclassified-uplnk-bytes
- p2p-pornhub-unclassified-dwlnk-bytes
- p2p-pornhub-unclassified-uplnk-pkts
- p2p-pornhub-unclassified-dwlnk-pkts
- p2p-pornhub-unclassified-duration
- p2p-pornhub-streaming-video-uplnk-bytes
- p2p-pornhub-streaming-video-dwlnk-bytes
- p2p-pornhub-streaming-video-uplnk-pkts
- p2p-pornhub-streaming-video-dwlnk-pkts
- p2p-pornhub-streaming-video-duration

show active-charging analyzer statistics name p2p application pornhub verbose

This command displays Active Charging protocol analyzer statistics for the P2P protocol analyzer. With this release, the following fields have been added to the output of this command:

- Pornhub Unclassified:
 - Total Uplink Bytes
 - Total Downlink Bytes
 - Total Uplink Pkts
 - Total Downlink Pkts
- Pornhub Streaming-video:
 - Total Uplink Bytes
 - Total Downlink Bytes
 - Total Uplink Pkts
 - Total Downlink Pkts
- Pornhub:
 - Total Uplink Bytes
 - Total Downlink Bytes
 - Total Uplink Pkts
 - Total Downlink Pkts

show active-charging analyzer statistics name p2p protocol-group name streaming wide all verbose

With this release, the following fields have been added to the output of this command:

- Pornhub:

- Total Bytes-Up
- Total Bytes-Down
- Total Pkts-Up
- Total Pkts-Down

CSCwu19231: Add support for PlutoTV application

PlutoTV is a free, ad-supported streaming service that provides live TV channels and an on-demand library of movies and shows across a wide range of devices.

ADC Support for PlutoTV

With this release, the support for detection and classification of “PlutoTV” application is added.

Detection accuracy: 99.11 %

PlutoTV (Android): 5.65.0

PlutoTV (iOS): 5.73.1

Command Changes

p2p-detection protocol

This command enables detection of peer-to-peer (P2P) protocols. With this release, the **plutotv** keyword is added to this command.

configure

```
active-charging service service_name
    [no] p2p-detection protocol plutotv
    [no] p2p traffic-type = streaming-video
    [no] p2p traffic-type = unclassified
end
```

show active-charging analyzer statistics name p2p

This command displays statistical information for protocol analyzers. With this release, the **plutotv** keyword is added to the P2P list.

```
show active-charging analyzer statistics name p2p application p2p_list
```

show active-charging flows type p2p

This command displays the information for the active charging flows. With this release, the **plutotv** keyword is added to the P2P list.

```
show active-charging flows type p2p application p2p_list
```

show active-charging sessions summary

This command displays statistics for Active Charging Service (ACS) sessions. With this release, the **plutotv** keyword is added to the P2P list:

```
show active-charging sessions summary type p2p application p2p_list
```

Performance Indicator Changes

P2P Schema

New ADC bulk statistics are available in the P2P schema for PlutoTV as part of the plugin. If detection of the plutotv P2P protocol is enabled, bulk statistics for that protocol will be automatically generated using the Dynamic Software Upgrade plugin installed on the chassis.

The following bulk statistics are added to the P2P schema:

- p2p-plutotv-uplnk-bytes
- p2p-plutotv-dwlnk-bytes
- p2p-plutotv-uplnk-pkts
- p2p-plutotv-dwlnk-pkts
- p2p-plutotv-duration
- p2p-plutotv-unclassified-uplnk-bytes
- p2p-plutotv-unclassified-dwlnk-bytes
- p2p-plutotv-unclassified-uplnk-pkts
- p2p-plutotv-unclassified-dwlnk-pkts
- p2p-plutotv-unclassified-duration
- p2p-plutotv-streaming-video-uplnk-bytes
- p2p-plutotv-streaming-video-dwlnk-bytes
- p2p-plutotv-streaming-video-uplnk-pkts
- p2p-plutotv-streaming-video-dwlnk-pkts
- p2p-plutotv-streaming-video-duration

show active-charging analyzer statistics name p2p application plutotv verbose

This command displays Active Charging protocol analyzer statistics for the P2P protocol analyzer. With this release, the following fields have been added to the output of this command:

- Plutotv Unclassified:
 - Total Uplink Bytes
 - Total Downlink Bytes
 - Total Uplink Pkts
 - Total Downlink Pkts
- Plutotv Streaming-video:
 - Total Uplink Bytes
 - Total Downlink Bytes
 - Total Uplink Pkts

- Total Downlink Pkts
- Plutotv
 - Total Uplink Bytes
 - Total Downlink Bytes
 - Total Uplink Pkts
 - Total Downlink Pkts

show active-charging analyzer statistics name p2p protocol-group name streaming wide all verbose

With this release, the following fields have been added to the output of this command:

- Plutotv:
 - Total Bytes-Up
 - Total Bytes-Down
 - Total Pkts-Up
 - Total Pkts-Down

CSCwu19231: Add support for Nintendo application

Nintendo is a global leader in interactive entertainment, offering dedicated gaming consoles and a library of world-renowned video game franchises. Its ecosystem spans hardware, software, digital content, and online subscriptions, available primarily on its proprietary gaming systems and mobile platforms.

ADC Support for Nintendo

With this release, the support for detection and classification of “Nintendo” is added.

Detection accuracy: 88.9%

Nintendo (Android): 3.3.0

Nintendo (iOS): 3.3.0

Command Changes

p2p-detection protocol

This command enables detection of peer-to-peer (P2P) protocols. With this release, the nintendo keyword is added to this command.

```
configure
  active-charging service service_name
    [no] p2p-detection protocol nintendo
    [no] p2p traffic-type = unclassified
  end
```

show active-charging analyzer statistics name p2p

This command displays statistical information for protocol analyzers. With this release, the **nintendo** keyword is added to the P2P list.

```
show active-charging analyzer statistics name p2p application p2p_list
```

show active-charging flows type p2p

This command displays the information for the active charging flows. With this release, the **nintendo** keyword is added to the P2P list.

```
show active-charging flows type p2p application p2p_list
```

show active-charging sessions summary

This command displays statistics for Active Charging Service (ACS) sessions. With this release, the **nintendo** keyword is added to the P2P list:

```
show active-charging sessions summary type p2p application p2p_list
```

Performance Indicator Changes

P2P Schema

New ADC bulk statistics are available in the P2P schema for Nintendo as part of the plugin. If detection of the nintendo P2P protocol is enabled, bulk statistics for that protocol will be automatically generated using the Dynamic Software Upgrade plugin installed on the chassis.

The following bulk statistics are added to the P2P schema:

- p2p-nintendo-uplnk-bytes
- p2p-nintendo-dwlnk-bytes
- p2p-nintendo-uplnk-pkts
- p2p-nintendo-dwlnk-pkts
- p2p-nintendo-duration
- p2p-nintendo-unclassified-uplnk-bytes
- p2p-nintendo-unclassified-dwlnk-bytes
- p2p-nintendo-unclassified-uplnk-pkts
- p2p-nintendo-unclassified-dwlnk-pkts
- p2p-nintendo-unclassified-duration

show active-charging analyzer statistics name p2p application nintendo verbose

This command displays Active Charging protocol analyzer statistics for the P2P protocol analyzer. With this release, the following fields have been added to the output of this command:

- Nintendo:
 - Total Uplink Bytes
 - Total Downlink Bytes

- Total Uplink Pkts
- Total Downlink Pkts

show active-charging analyzer statistics name p2p protocol-group name gaming wide all verbose

With this release, the following fields have been added to the output of this command:

- Nintendo:
 - Total Bytes-Up
 - Total Bytes-Down
 - Total Pkts-Up
 - Total Pkts-Down

Enhanced Protocols and Applications Support

These enhancements are added to support new clients/versions for the existing protocols/applications.

Table 1. Enhanced protocols and applications, Release 2.74.17.2815

CDETS ID	CDETS Headline/Change Summary
CSCwu19231	Add support in ADC to detect Tubitv application. Change Summary: Added support in ADC to detect Tubitv application. Detection Percentage: 99.92% Tubitv (Android): 10.10.1 Tubitv (iOS): 10.9.0
	Add support in ADC to detect Crunchyroll application. Change Summary: Added support in ADC to detect Crunchyroll application. Detection Percentage: 99.62% Crunchyroll (Android): 3.104.0 Crunchyroll (iOS): 4.103.0
CSCwv07455	Improve detection for Telegram application. Change Summary: Added support for new RTP and TCP flows. Detection Percentage: 97.88% Telegram (Android): 12.7.3 Telegram (iOS): 12.7
CSCwv09157	Improve detection for Amazon Video application. Change Summary: Added support for new QUIC SNI's and fragmented QUIC flows. Detection Percentage: 98.63% Amazon Video (Android): 3.0.456.747

CDETS ID	CDETS Headline/Change Summary
	Amazon Video (iOS): 10.132
CSCwv07812	Improve detection for Whatsapp application. Change Summary: New encrypted flows supported in Whatsapp. Detection Percentage: 98.76% Whatsapp (Android): 2.26.20.72 Whatsapp (iOS): 26.20.73
CSCwv09824	Add support in ADC to detect MS Teams application with new UDP pattern. Change Summary: Added support for new UDP pattern. Detection Percentage: 88.53% MS Teams (Android): 1.0.0.2026082702 MS Teams (iOS): 8.9.2
CSCwv04660	Improve detection for Facebook Messenger application. Change Summary: Added support for new STUN flows. Detection Percentage: 97% Facebook Messenger (Android): 563.1.0.47.86 Facebook Messenger (iOS): 563.0
CSCwv04493	Quic & SSL fragmentation support for p2p application. Change Summary: Added support for TLS/QUIC client hello fragmentation in Call of Duty. Detection Percentage: 95.68% Call of Duty (Android): 1.0.55 Call of Duty (iOS): 1.0.55
	Quic & SSL fragmentation support for p2p application. Change Summary: Added support for TLS/QUIC client hello fragmentation in twitter. Detection Percentage: 96.09% Twitter (Android): 11.95.1 Twitter (iOS): 11.95
	Quic & SSL fragmentation support for p2p application. Change Summary: Added support for TLS/QUIC client hello fragmentation in Clashroyale. Detection Percentage: 96% Clashroyale (Android): 150535003 Clashroyale (iOS): 15.535.3
	Improve detection for P2P application. Change Summary: Added support for TLS/QUIC SNI in Snapchat. Detection Percentage: 97%

CDETS ID	CDETS Headline/Change Summary
CSCwv03138	Snapchat (Android): 13.94.0.45 Snapchat (iOS): 13.94.0.53
	Improve detection for P2P application. Change Summary: Added support for TLS/QUIC SNI in Pubg. Detection Percentage: 99.65% Pubg (Android): 4.4.0 Pubg (iOS): 4.4.0
	Improve detection for P2P application. Change Summary: Added support for TLS/QUIC SNI in Zoom. Detection Percentage: 94.1% Zoom (Android): 7.0.5.40164 Zoom (iOS): 7.0.5
	Improve detection for P2P application. Change Summary: Added support for TLS/QUIC SNI in Tiktok. Detection Percentage: 94.61% Tiktok (Android): 45.6.0 Tiktok (iOS): 45.6.0
	Improve detection for P2P application. Change Summary: Added support for TLS/QUIC SNI in LinkedIn. Detection Percentage: 94.79% LinkedIn (Android): 4.1.1207 LinkedIn (iOS): 9.1.547
	Improve detection for P2P application. Change Summary: Added support for TLS/QUIC SNI in Shahid. Detection Percentage: 95.47% Shahid (Android): 7.117.0 Shahid (iOS): 8.0.0
	Improve detection for P2P application. Change Summary: Added support for TLS/QUIC SNI in 8Ballpool. Detection Percentage: 82.10% 8Ballpool (Android): 56.25.1 8Ballpool (iOS): 56.23.2
	Improve detection for P2P application. Change Summary: Added support for TLS/QUIC SNI in Speedtest.

CDETS ID	CDETS Headline/Change Summary
	Detection Percentage: 97% Speedtest (Android): 7.0.3 Speedtest (iOS): 7.0.3
	Improve detection for P2P application. Change Summary: Added support for TLS/QUIC SNI in Jaco. Detection Percentage: 99.56% Jaco (Android): 3.47.0 Jaco (iOS): 3.48.0
	Improve detection for P2P application. Change Summary: Added support for TLS/QUIC SNI in Nana. Detection Percentage: 92.02% Nana (Android): 37.8.4 Nana (iOS): 37.8.2
	Improve detection for P2P application. Change Summary: Added support for TLS/QUIC SNI in Paramountplus. Detection Percentage: 91.58% Paramountplus (Android): 16.13.0 Paramountplus (iOS): 15.18.1
	Improve detection for P2P application. Change Summary: Added support for TLS/QUIC SNI in Google. Detection Percentage: 93.60% Google (Android): 17.26.25 Google (iOS): 423.5

Resolved issues

This table lists the resolved issues in this specific software release.

Note: This software release may contain bug fixes first introduced in other releases. To see additional information, click the bug ID to access the [Cisco Bug Search Tool](#). To search for a documented Cisco product issue, type in the browser: <bug number> site:cisco.com.

Table 2. Resolved issues for ADC P2P Plugin, Release 2.74.17.2815

Bug ID	Description	Product Found
CSCwu26443	Few Youku HTTP traffic is failing to offload in regression	pdn-gw

Open issues

There are no open issues in this specific software release.

Known issues

This section describes the known issue that may occur during the upgrade of the ADC plugin image.

Install and Upgrade Notes

This Release Note does not contain general installation and upgrade instructions. Refer to the existing installation documentation for specific installation and upgrade considerations.

Compatibility

This section provides compatibility information about the P2P package version, and the hardware and software requirements for the Legacy Gateway and CUPS software release.

Compatible Release package version

Table 3. Release package version information

ADC release	StarOS compatible versions
2.74.17.2815	StarOS-2024.02.g0 / StarOS-2024.02.l0 / StarOS-2024.03.ga0/ StarOS-2024.02.0 or later releases

Note: For any StarOS release prior to those mentioned above, ensure that you use the P2P version 2.73.9.2019 or an earlier version released before April 2024.

ADC plugin version numbering system

This section explains the version-numbering scheme for ADC Plugin releases running on the ASR 5x00 or Cisco Virtualized Packet Core platform. The version numbering is different for the ADC Plugin release as this release is independent of StarOS software releases.

The fields of the version number as reflected in the ADC Plugin are in the form of INTERFACE.MAJOR.BUILD (e.g., 1.140.514).

- The INTERFACE number indicates the identifier between ASR5x00 and Plugin. This number indicates backward compatibility and only increments when a change will introduce a compatibility issue. This field may increment by ‘1’ when necessary.
- The MAJOR version number indicates a contiguous sequential number that represents incremental changes between releases. This number increments by ‘1’ for each plugin release.
- The BUILD version number indicates the build number that increments with each new build. This is a unique, sequential number across all ADC builds.

Related resources

This table provides key resources and links to the support information and essential documentation for StarOS and ADC products.

Table 4. Related resources and additional information

Resource	Link
Cisco ADC Administration documentation	ADC Administration Guide
Cisco Command line Interface documentation	Command Line Interface Reference
Service request and additional information	Cisco Support

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