



ADC Plugin Version 2_49_1199 Release Note

Release Date: March 31, 2020

Last Updated: April 20, 2020

Introduction

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.

Feature and Behavior Changes

This section identifies the enhancements and behavior changes in this release:

CSCvs66033: Add Support for Disney+ in ADC

Feature Changes

ADC Support for Disney+

With this release, the support for detection of traffic originating from “**Disney+**” application is added.

Detection accuracy: 99%.

Disney+ (Android): 1.3.0

Disney+ (iOS): 1.3.0

Command Changes

p2p-detection protocol

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

configure

```
active-charging service service_name
```

```
[ no ] p2p-detection protocol disneyplus
```

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

```
[ no ] p2p traffic-type = streaming-video
```

```
end
```

show active-charging analyzer statistics name p2p

This command displays statistical information for protocol analyzers. With this release, the **disneyplus** 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 **disneyplus** 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 **disneyplus** 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 Disney+ as part of the plugin. If detection of the Disney+ 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-disneyplus-uplnk-bytes
- p2p-disneyplus-dwlnk-bytes
- p2p-disneyplus-uplnk-pkts
- p2p-disneyplus-dwlnk-pkts
- p2p-disneyplus-duration
- p2p-disneyplus-unclassified-uplnk-bytes
- p2p-disneyplus-unclassified-dwlnk-bytes
- p2p-disneyplus-unclassified-uplnk-pkts
- p2p-disneyplus-unclassified-dwlnk-pkts
- p2p-disneyplus-unclassified-duration
- p2p-disneyplus-streaming-video-uplnk-bytes
- p2p-disneyplus-streaming-video-dwlnk-bytes
- p2p-disneyplus-streaming-video-uplnk-pkts
- p2p-disneyplus-streaming-video-dwlnk-pkts
- p2p-disneyplus-streaming-video-duration

show active-charging analyzer statistics name p2p application disneyplus 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:

- Disneyplus unclassified:
 - Total Uplink Bytes
 - Total Downlink Bytes
 - Total Uplink Pkts

Enhanced Protocols and Applications Support

- Total Downlink Pkts
- Disneyplus streaming-video:
 - Total Uplink Bytes
 - Total Downlink Bytes
 - Total Uplink Pkts
 - Total Downlink Pkts
- Disneyplus:
 - 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:

- Disneyplus:
 - Total Bytes-Up
 - Total Bytes-Down
 - Total Pkts-Up
 - Total Pkts-Down

CSCvs99805: Add Support for Apple TV

Feature Changes

With this release, support is added for detection of traffic originating from “Apple TV” client, under iTunes Application.

Enhanced Protocols and Applications Support

This section lists the enhancements added to support new clients/versions for the existing protocols/applications.

CDETS ID	CDETS Headline/Change Summary
CSCvs93080	<p>New Version Testing for Telegram</p> <p>Change Summary: New payload length has been added to the plugin for improved detection.</p> <p>Detection Percentage: 98% Telegram (Android): 6.0.0 Telegram (iOS): 6.0</p>
CSCvt11136	<p>New Version Testing for Viber</p> <p>Change Summary: UDP flows are fixed. However, there are limitations for certain TCP flows.</p> <p>Detection Percentage: 73.67% Viber (Android): 12.6.0.5 Viber (iOS): 12.2.1</p>
CSCvt40316	<p>New Version Testing for TuneIn Radio</p> <p>Change Summary: Newly discovered SNI for different podcasts has been added to the plugin for improved detection.</p> <p>Detection Percentage: 83.78% TuneIn Radio (Android): 23.7 TuneIn Radio (iOS): 17.7.1</p>
CSCvt40709	<p>New Version Testing for Spotify</p> <p>Change Summary: Newly discovered SNI has been added to the plugin for improved detection.</p> <p>Detection Percentage: 99.71% Spotify (Android): 8.5.48.1049 Spotify (iOS): 8.5.51</p>
CSCvt44211	<p>New Version Testing for Instagram</p> <p>Change Summary: Newly discovered SNI with time correlation has been added to the plugin for improved detection.</p> <p>Detection Percentage: 98% Instagram (Android): 132.0.0.26 Instagram (iOS): 132.1</p>
CSCvt44750	<p>New Version Testing for iHeartRadio</p> <p>Change Summary: Newly discovered SNI for different podcasts has been added to the plugin for improved detection.</p> <p>Detection Percentage: 92.85% iHeartRadio (Android): 9.17.0 iHeartRadio (iOS): 9.7.0</p>
CSCvt45111	<p>New Version Testing for Twitch</p> <p>Change Summary: Newly discovered SNI has been added to the plugin for improved detection.</p> <p>Detection Percentage: 97.53% Twitch (Android): 8.7.1 Twitch (iOS): 8.7</p>

Related Documentation

CSCvt48112	<p>New Version Testing for iTunes</p> <p>Change Summary: Newly discovered SNI has been added to the plugin for improved detection.</p> <p>Detection Percentage: 99%</p> <p>iTunes (Android): 3.2.0</p> <p>iTunes (iOS): 1.3.6</p>
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Related Documentation

For more information pertaining to changes in this release, refer to the *ADC Administration Guide*, *Command Line Interface Reference*, and *Statistics and Counters Reference* at <http://www.cisco.com/c/en/us/support/wireless/asr-5000-series/products-installation-and-configuration-guides-list.html>.

NOTE: The changes identified in this release may not be available in the latest version of the *ADC Administration Guide*, *Command Line Interface Reference*, and *Statistics and Counters Reference* at the time of the ADC Plugin release.

Installation and Upgrade Notes

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

Open and Resolved Bugs

Bugs Open in this Release

The table below highlights the known bugs that are open in this specific release. For a summary of all resolved issues in earlier releases, see the *Previously Resolved Issues* section. Additional information for all open bugs in this release is available in the [Cisco Bug Search Tool](#).

CDETS ID	CDETS Headline
CSCvt40764	PGW imo application traffic is not detected by p2p plugin

Bugs Resolved in this Release

The table below highlights the known bugs that are resolved in this specific release. For a summary of all resolved issues in earlier releases, see the *Previously Resolved Issues* section. Additional information for all bugs resolved in this release is available in the [Cisco Bug Search Tool](#).

CDETS ID	CDETS Headline
CSCvs73915	Fix has been provided for the crash in whatsapp
CSCvs99805	Adding AppleTV feature to Itunes
CSCvt01069	Snapchat VOIP ADC Detection Degradation
CSCvt11136	Few Viber ios packet are detected as facebook

Operator Notes

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.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation*, at: <http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>.

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