



# ADC Plugin Version 2\_50\_1217 Release Note

Release Date: May 04, 2020

Last Updated: May 04, 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:

### CSCvt56804: Add Support for Seha in ADC

#### Feature Changes

**NOTE:** This feature is not fully qualified in this release.

#### ADC Support for Seha

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

Detection accuracy: 88.58%.

Seha (Android): 1.0.35

Seha (iOS): 2.3

#### Command Changes

##### p2p-detection protocol

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

##### **configure**

```
active-charging service service_name
    [ no ] p2p-detection protocol seha
    [ no ] p2p traffic-type = audio
    [ no ] p2p traffic-type = 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 **seha** 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 **seha** 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 **seha** 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 Seha as part of the plugin. If detection of the Seha 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-seha-uplnk-bytes
- p2p-seha-dwlnk-bytes
- p2p-seha-uplnk-pkts
- p2p-seha-dwlnk-pkts
- p2p-seha-duration
- p2p-seha-unclassified-uplnk-bytes
- p2p-seha-unclassified-dwlnk-bytes
- p2p-seha-unclassified-uplnk-pkts
- p2p-seha-unclassified-dwlnk-pkts
- p2p-seha-unclassified-duration
- p2p-seha-video-uplnk-bytes
- p2p-seha-video-dwlnk-bytes
- p2p-seha-video-uplnk-pkts
- p2p-seha-video-dwlnk-pkts
- p2p-seha-video-duration
- p2p-seha-audio-uplnk-bytes
- p2p-seha-audio-dwlnk-bytes
- p2p-seha-audio-uplnk-pkts
- p2p-seha-audio-dwlnk-pkts
- p2p-seha-audio-duration

#### show active-charging analyzer statistics name p2p application seha 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:

- seha audio:
  - Total Uplink Bytes
  - Total Downlink Bytes
  - Total Uplink Pkts
  - Total Downlink Pkts
- seha video:
  - Total Uplink Bytes
  - Total Downlink Bytes
  - Total Uplink Pkts
  - Total Downlink Pkts
- seha unclassified:
  - 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:

- seha:
  - Total Bytes-Up
  - Total Bytes-Down
  - Total Pkts-Up
  - Total Pkts-Down

## CSCvt12251: Audio and Video Sub-classification of Viber

### Feature Changes

With this release, support is added for audio and video sub-classification of Viber. The sub-classifications are Xgviber audio and Xgviber video.

### 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
CSCvu00632	<p data-bbox="402 302 699 327">New Version Testing for FaceTime</p> <p data-bbox="402 352 1084 378"><b>Change Summary:</b> Detection issue has been fixed for the audio and video calls.</p> <p data-bbox="402 405 656 455">Detection Percentage: 78.1% FaceTime (iOS): 13.3</p>
CSCvt40764	<p data-bbox="402 499 656 525">New Version Testing for IMO</p> <p data-bbox="402 550 1143 575"><b>Change Summary:</b> imo.im.atp SNI and logic has been added to detect the UDP traffic.</p> <p data-bbox="402 602 639 678">Detection Percentage: 48% IMO (Android): 2020.2.61 IMO (iOS): 2020.4.3</p>
CSCvt93597	<p data-bbox="402 720 699 745">New Version Testing for Naverline</p> <p data-bbox="402 770 1013 795"><b>Change Summary:</b> Timeout value has been added to detect the traffic.</p> <p data-bbox="402 823 656 898">Detection Percentage: 88% Naverline (Android): 10.6.0.5 Naverline (iOS): 10.6.1</p>

## 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

None in this release.

### 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](#).

## Operator Notes

CDETS ID	CDETS Headline
CSCvu00632	Detection issue has been fixed for the audio and video calls.
CSCvt40764	imo.im.atp SNI and logic has been added to detect the UDP traffic.
CSCvt93597	Timeout value has been added to detect the traffic.

## 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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