



ADC Plugin Version 2_53_1275 Release Note

Release Date: July 31, 2020

Last Updated: July 31, 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:

CSCvu06622: Add Support for GeForce NOW in ADC

Feature Changes

ADC Support for GeForce NOW

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

Detection accuracy: 96.53%.

GeForce NOW (Android): 5.29.28598518

GeForce NOW (iOS): NA

Command Changes

p2p-detection protocol

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

configure

```
active-charging service service_name

    [ no ] p2p-detection protocol geforcenow

    [ 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 **geforcenow** 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 **geforcenow** 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 **geforcenow** 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 GeForce NOW as part of the plugin. If detection of the GeForce NOW 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-geforcenow-uplnk-bytes
- p2p-geforcenow-dwlnk-bytes
- p2p-geforcenow-uplnk-pkts
- p2p-geforcenow-dwlnk-pkts
- p2p-geforcenow-duration
- p2p-geforcenow-unclassified-uplnk-bytes
- p2p-geforcenow-unclassified-dwlnk-bytes
- p2p-geforcenow-unclassified-uplnk-pkts
- p2p-geforcenow-unclassified-dwlnk-pkts
- p2p-geforcenow-unclassified-duration
- p2p-geforcenow-audio-uplnk-bytes
- p2p-geforcenow-audio-dwlnk-bytes
- p2p-geforcenow-audio-uplnk-pkts
- p2p-geforcenow-audio-dwlnk-pkts
- p2p-geforcenow-audio-duration
- p2p-geforcenow-video-uplnk-bytes
- p2p-geforcenow-video-dwlnk-bytes
- p2p-geforcenow-video-uplnk-pkts
- p2p-geforcenow-video-dwlnk-pkts
- p2p-geforcenow-video-duration

show active-charging analyzer statistics name p2p application GeForce NOW verbose

This command displays Active Charging protocol analyzer statistics for the P2P protocol analyzer.

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Feature and Behavior Changes

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

- **geforcenow 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:

- **geforcenow:**
 - Total Bytes-Up
 - Total Bytes-Down
 - Total Pkts-Up
 - Total Pkts-Down

CSCvu15755: Add Support for Shadow Gaming in ADC

Feature Changes

ADC Support for Shadow Gaming

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

Detection accuracy: 98.15%.

shadow gaming (Android): NA

shadow gaming (iOS): NA

Command Changes

p2p-detection protocol

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

configure

```
active-charging service service_name
```

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

```
[ 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 **shadowgaming** 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 **shadowgaming** 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 **shadowgaming** 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 Shadow Gaming as part of the plugin. If detection of the Shadow Gaming 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-shadowgaming-uplnk-bytes
- p2p-shadowgaming-dwlnk-bytes
- p2p-shadowgaming-uplnk-pkts
- p2p-shadowgaming-dwlnk-pkts
- p2p-shadowgaming-duration
- p2p-shadowgaming-unclassified-uplnk-bytes
- p2p-shadowgaming-unclassified-dwlnk-bytes
- p2p-shadowgaming-unclassified-uplnk-pkts
- p2p-shadowgaming-unclassified-dwlnk-pkts
- p2p-shadowgaming-unclassified-duration

show active-charging analyzer statistics name p2p application Shadow Gaming 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:

- Shadow Gaming 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:

Feature and Behavior Changes

- Shadow Gaming:
 - Total Bytes-Up
 - Total Bytes-Down
 - Total Pkts-Up
 - Total Pkts-Down

CSCvu31231: Add Support for Shahid in ADC

Feature Changes

ADC Support for Shahid

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

Detection accuracy: 95.65%

shahid (Android): 5.6.6

shahid (iOS): 5.2.2

Command Changes

p2p-detection protocol

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

configure

```
active-charging service service_name  
  
[ no ] p2p-detection protocol shahid  
  
[ 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 **shahid** 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 **shahid** 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 **shahid** 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 Shahid as part of the plugin. If detection of the Shahid 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-shahid-uplnk-bytes
- p2p-shahid-dwlnk-bytes
- p2p-shahid-uplnk-pkts
- p2p-shahid-dwlnk-pkts
- p2p-shahid-duration
- p2p-shahid-unclassified-uplnk-bytes
- p2p-shahid-unclassified-dwlnk-bytes
- p2p-shahid-unclassified-uplnk-pkts
- p2p-shahid-unclassified-dwlnk-pkts
- p2p-shahid-unclassified-duration

show active-charging analyzer statistics name p2p application shahid 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:

- shahid 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:

- shahid:
 - Total Bytes-Up
 - Total Bytes-Down
 - Total Pkts-Up
 - Total Pkts-Down

CSCvu47642: Add Support for Zoom in ADC

Feature Changes

ADC Support for Zoom

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

Detection accuracy: 96%.

Zoom (Android): 5.1.2

Zoom (iOS): 5.1.2

Command Changes

p2p-detection protocol

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

configure

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

`show active-charging analyzer statistics name p2p application zoom 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:

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

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- 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:

- zoom:
 - Total Bytes-Up
 - Total Bytes-Down
 - Total Pkts-Up
 - Total Pkts-Down

CSCvu61331: Add Support for Google Stadia in ADC

Feature Changes

ADC Support for Google Stadia

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

Detection accuracy: 95%.

Google Stadia (Android): 2.23.316992543

Google Stadia (iOS): 2.26

Command Changes

p2p-detection protocol

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

configure

```
active-charging service service_name  
  
[ no ] p2p-detection protocol Stadia  
  
[ 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 **Stadia** 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 **Stadia** 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 **Stadia** 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 Google Stadia as part of the plugin. If detection of the Google Stadia 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-stadia-uplnk-bytes
- p2p-stadia-dwlnk-bytes
- p2p-stadia-uplnk-pkts
- p2p-stadia-dwlnk-pkts
- p2p-stadia-duration
- p2p-stadia-unclassified-uplnk-bytes
- p2p-stadia-unclassified-dwlnk-bytes
- p2p-stadia-unclassified-uplnk-pkts
- p2p-stadia-unclassified-dwlnk-pkts
- p2p-stadia-unclassified-duration

show active-charging analyzer statistics name p2p application Google Stadia 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:

- stadia 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:

- `stadia`:
 - Total Bytes-Up
 - Total Bytes-Down
 - Total Pkts-Up
 - Total Pkts-Down

CSCvt83645: Add Support for Vortex Gaming in ADC

Feature Changes

ADC Support for Vortex Gaming

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

Detection accuracy: 98.93%.

Vortex Gaming (Android): 1.5.0

Vortex Gaming (iOS): NA

Command Changes

`p2p-detection protocol`

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

```
configure  
  
  active-charging service service_name  
  
    [ no ] p2p-detection protocol vortexgaming  
  
    [ 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 **vortexgaming** 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 **vortexgaming** 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 **vortexgaming** 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 Vortex Gaming as part of the plugin. If detection of the Vortex Gaming 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-vortexgaming-uplnk-bytes
- p2p-vortexgaming-dwlnk-bytes
- p2p-vortexgaming-uplnk-pkts
- p2p-vortexgaming-dwlnk-pkts
- p2p-vortexgaming-duration
- p2p-vortexgaming-unclassified-uplnk-bytes
- p2p-vortexgaming-unclassified-dwlnk-bytes
- p2p-vortexgaming-unclassified-uplnk-pkts
- p2p-vortexgaming-unclassified-dwlnk-pkts
- p2p-vortexgaming-unclassified-duration

show active-charging analyzer statistics name p2p application Vortex Gaming 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:

- Vortex Gaming 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:

- Vortex Gaming:
 - Total Bytes-Up
 - Total Bytes-Down
 - Total Pkts-Up
 - Total Pkts-Down

CSCvt92602: Add Support for My Vodafone Mobile Application in ADC

Feature Changes

ADC Support for My Vodafone Application

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

Detection accuracy: 98.52 %

myvodafoneapp (Android): 8.0.3.5

myvodafoneapp (iOS): 7.0.3.5

Command Changes

p2p-detection protocol

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

configure

```
active-charging service service_name
```

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

```
[ 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 **myvodafoneapp** 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 **myvodafoneapp** 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 **myvodafoneapp** 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 My Vodafone Mobile Application as part of the plugin. If detection of the My Vodafone Mobile Application 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-myvodafoneapp-uplnk-bytes
- p2p-myvodafoneapp-dwlnk-bytes
- p2p-myvodafoneapp-uplnk-pkts
- p2p-myvodafoneapp-dwlnk-pkts
- p2p-myvodafoneapp-duration
- p2p-myvodafoneapp-unclassified-uplnk-bytes
- p2p-myvodafoneapp-unclassified-dwlnk-bytes
- p2p-myvodafoneapp-unclassified-uplnk-pkts
- p2p-myvodafoneapp-unclassified-dwlnk-pkts
- p2p-myvodafoneapp-unclassified-duration

`show active-charging analyzer statistics name p2p application My Vodafone Mobile Application 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:

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

Enhanced Protocols and Applications Support

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

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Enhanced Protocols and Applications Support

CDETS ID	CDETS Headline/Change Summary
CSCvu55106	<p>New Version Testing for Xbox</p> <p>Change Summary: New patterns added for Xbox to improve detection.</p> <p>Detection Percentage: 99.8% Xbox (Android): NA Xbox (iOS): NA</p>
CSCvu82087	<p>New Version Testing for SnapChat</p> <p>Change Summary: New SNIs added to improve snapchat detection.</p> <p>Detection Percentage: 99.6% SnapChat (Android): 10.86.5.61 SnapChat (iOS): 10.87.1.69</p>
CSCvu82087	<p>New Version Testing for Saavn</p> <p>Change Summary: New SNIs added to improve Saavn detection.</p> <p>Detection Percentage: 95% Saavn (Android): 6.0.6 Saavn (iOS): 6.11.1</p>
CSCvu82087	<p>New Version Testing for Twitter</p> <p>Change Summary: New SNIs added to improve twitter detection.</p> <p>Detection Percentage:97.29% Twitter (Android): 8.53.4 Twitter (iOS): 8.28</p>
CSCvu82087	<p>New Version Testing for Twitch</p> <p>Change Summary: New SNIs added to improve twitch detection.</p> <p>Detection Percentage: 97.5% Twitch (Android): 9.4.0 Twitch (iOS): 9.4</p>
CSCvw06685	<p>New Version Testing for PUBG</p> <p>Change Summary: Detection improvement for PUBG.</p> <p>Detection Percentage: 97.28% PUBG (Android): 0.19.0 PUBG (iOS): 0.19.0</p>
CSCvw06742	<p>New Version Testing for Shoutcast</p> <p>Change Summary: New SNIs added for shoutcast.</p> <p>Note: Southcast is an Aggregator application of radio stations. You can listen to the same radio station from other applications.</p> <p>Detection Percentage: 71.09% Shoutcast (Android): 7.0.8 Shoutcast (iOS): 23</p>

CSCVV06771	<p>New Version Testing for Epicgames</p> <p>Change Summary: Added new patterns for Epicgames to improve detection.</p> <p>Detection Percentage: 94.54% Epicgames (Android):NA Epicgames (iOS): 13.2</p>
CSCw06822	<p>New Version Testing for Spotify</p> <p>Change Summary: New SNIs added to improve detection.</p> <p>Detection Percentage: 96% Spotify (Android): 8.5.66.1002 Spotify (iOS): NA</p>
CSCw06901	<p>New Version Testing for 8ballpool</p> <p>Change Summary: New SNIs added to improve detection</p> <p>Detection Percentage: 99% 8ballpool (Android): 4.9.1 8ballpool (iOS): NA</p>
CSCw07093	<p>New Version Testing for Call of Duty</p> <p>Change Summary: Added new patterns for call of duty.</p> <p>Detection Percentage: 93.99% callofduty (Android): 1.0.15 callofduty (iOS): 1.0.15</p>
CSCw08452	<p>New Version Testing for LinkedIn</p> <p>Change Summary: New SNIs added to improve detection.</p> <p>Detection Percentage: 95.96% LinkedIn (Android): 4.1.473 LinkedIn (iOS): 9.1.185</p>
CSCvv10004	<p>New Version Testing for Youtube</p> <p>Change Summary: New version fix for Youtube.</p> <p>Detection Percentage: 94.38% Youtube (Android): 15.29.35 Youtube (iOS): 15.29</p>
CSCw10108	<p>New Version Testing for Viber</p> <p>Change Summary: Added new patterns for Viber to improve detection.</p> <p>Detection Percentage: 95.03% Viber (Android): 13.3.0.5 Viber (iOS): 13.2.1</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

CDETS ID	CDETS Headline
CSCvt17905	Support Mvfst/GQUIC(QUIC IETF based protocols) in p2p.
CSCvu93282	Certain telegram flows not detected for App version 6.0.2.

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
CSCvt12251	Support for audio/video subtype in Facebook.
CSCvu98129	New SNIs added to improved detection for Discord application.

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).

Obtaining Documentation and Submitting a Service Request

- 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

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