



Release Notes for Cisco StadiumVision Mobile Release 2.0

First Published: June 17, 2014

Revised: September 3, 2015

[Table 1](#) lists the software build information for Cisco StadiumVision Mobile. [Table 2](#) lists the document revision history.

Table 1 *Cisco StadiumVision Mobile Software Build Information*

Component	Release	Build Number
Cisco StadiumVision Mobile Reporter	2.0.1	1
Cisco StadiumVision Mobile Streamer	2.0.1	1
Cisco StadiumVision Mobile SDK	2.0.0	3233
Cisco StadiumVision Mobile Encoder	2.0.0	See Table 9 .

Table 2 *Document Revision History*

Date	Description
September 3, 2015	Added “ CSCuw03647—User interface (UI) changes time as per the client time zone ” section on page 16 to the “ Open Defects in Cisco StadiumVision Mobile Release 2.0.0 ” section on page 14.
February 3, 2015	Updated “ Table 8 Mobile OS Support ” section on page 7 to include iOS 8.x and Android 5. Added the new section “ Open Defects in Cisco StadiumVision Mobile Release 2.0.1 ” section on page 13 and added open defect to the “ Open Defects in Cisco StadiumVision Mobile Release 2.0.0 ” section on page 14.
December 23, 2014	Updated the latest qualified Elemental encoder firmware version 2.5.3.26866 (new OS) for the GNU Bash fix in the “ Cisco StadiumVision Mobile Video Encoder ” section on page 8 and the “ Devices Tested with Cisco StadiumVision Mobile ” section on page 12.

Table 2 Document Revision History (continued)

Date	Description
November 18, 2014	Updated the latest software release information to provide the GNU Bash fix: <ul style="list-style-type: none"> • Cisco StadiumVision Mobile Reporter 2.0.1 (CSCur30167)—Upgrade from Release 2.0.0-365. • Cisco StadiumVision Mobile Streamer 2.0.1 (CSCur30155)—Upgrade from Release 2.0.0-550.
October 12, 2014	Updated the supported version of Cisco Prime Infrastructure to Release 2.0 in the “Cisco StadiumVision Mobile Reporter” section on page 8.
August 18, 2014	Updated the latest supported Elemental encoder model from L162AE-C model to L174AE-C in the “Cisco StadiumVision Mobile Video Encoder” section on page 8.
August 13, 2014	The following updates were made: <ul style="list-style-type: none"> • Added Elemental Live firmware Version 2.3.1.22180 as also qualified for the L152AE-C model in the “Cisco StadiumVision Mobile Video Encoder” section on page 8. • Updated links for more information in the “Cisco Connected Stadium WiFi Requirements” section on page 4.
July 16, 2014	Updated virtual environment note regarding tested VMWare version.
June 17, 2014	Initial release of Cisco StadiumVision Mobile Release 2.0.0.

Contents

This release note includes the following topics:

- [Introduction, page 2](#)
- [System Requirements for Cisco StadiumVision Mobile Release 2.0, page 3](#)
- [New and Changed Information in Cisco StadiumVision Mobile Release 2.0, page 7](#)
- [Installation Notes, page 9](#)
- [Limitations and Restrictions, page 11](#)
- [Important Notes, page 11](#)
- [Caveats, page 12](#)
- [Related Documentation, page 19](#)
- [Obtaining Documentation and Submitting a Service Request, page 19](#)

Introduction

This document provides information about Cisco StadiumVision Mobile Release 2.0. It includes hardware and software requirements, new and changed features, installation and upgrade information, known issues, and defects.

This document is for Cisco StadiumVision Mobile system administrators and Cisco technical field engineers who are responsible for designing and deploying the Cisco StadiumVision Mobile solution. Readers of this document should be familiar with basic IP networking, mobile, and WiFi technology, and the Cisco StadiumVision Mobile solution.

System Requirements for Cisco StadiumVision Mobile Release 2.0

This section describes the hardware and software supported by the Cisco StadiumVision solution for Cisco StadiumVision Mobile Release 2.0. It includes the following topics:

- [Cisco StadiumVision Mobile Requirements, page 3](#)
- [Cisco Connected Stadium Configuration Requirements, page 4](#)
- [Cisco Connected Stadium WiFi Requirements, page 4](#)
- [Browser and Flash Player support for Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile Streamer, page 4](#)
- [Cisco StadiumVision Mobile Server Support, page 5](#)
- [Installation and Upgrade Files, page 9](#)
- [Recommended Web Browser, page 9](#)
- [Elemental Encoder Setup, page 10](#)
- [Confirming the CIMC Firmware Version, page 10](#)

Cisco StadiumVision Mobile Requirements

Table 3 lists the components of the Cisco StadiumVision Mobile solution.

Table 3 *Cisco StadiumVision Mobile Components*

Component	Function
Cisco Connected Stadium WiFi	Provides scalable, high density WiFi coverage within a venue.
Cisco StadiumVision Mobile Video Encoder (Elemental)	Provides encoding of in-house and commercial broadcast feeds for streaming to mobile devices. Feeds can be HD-SDI or IP multicast.
Cisco StadiumVision Mobile Streamer	Responsible for aggregating and protecting video and data streams for reliable delivery over the WiFi network.
Cisco StadiumVision Mobile Reporter	Collects mobile device statistics covering network performance, Quality of Experience (QoE), and session information. Aids in tuning and troubleshooting the WiFi network and identifying popular content.
Client Software Developer Kit (SDK)	Abstracts complexity of discovering, recovering and playing streaming video. Includes a rich set of tools to enable third party developers to quickly create and test applications.
Cisco StadiumVision Mobile Audio Encoder (Telos Prostream) Release 2.0.0 and later	Provides encoding of an in-house audio feed for streaming to mobile devices.

Cisco Connected Stadium Configuration Requirements

The Cisco Connected Stadium solution must be configured to support Cisco StadiumVision Mobile, including:

- Routing to explicitly permit Cisco StadiumVision Mobile announcements over multicast, Cisco StadiumVision Mobile video sessions and Cisco StadiumVision Mobile data sessions.
- Rendezvous Points (RPs) to enable the delivery of Cisco StadiumVision Mobile multicast streams to WiFi endpoints.
- Access Control Lists (ACLs) to limit the propagation of unwanted (e.g., IPv6) and client-generated multicast streams.

Cisco Connected Stadium WiFi Requirements

Cisco StadiumVision Mobile requires a Connected Stadium WiFi network for transport. Please visit www.cisco.com/go/sports for additional information. Cisco AS personnel and qualified partners can also find information on ciscoet.com.

Browser and Flash Player support for Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile Streamer

You can use an Apple Mac, Microsoft Windows PC, or an Apple iPad to access the Cisco StadiumVision Mobile Streamer configuration and Cisco StadiumVision Mobile Reporter marketing and support data. The StadiumVision Reporter configuration Text User Interface (TUI) can be accessed by any SSH client, or by physical console access. [Table 4](#) describes the method of access.

Table 4 Cisco StadiumVision Mobile Component Access Methods

Cisco StadiumVision Mobile Component	Access method	Type of data
Cisco StadiumVision Mobile Reporter	TUI - console access, SSH client	Configuration
Cisco StadiumVision Mobile Reporter	GUI - browser	Marketing and support
Cisco StadiumVision Mobile Streamer	GUI - browser	Configuration
Cisco StadiumVision Mobile Streamer	TUI - console access, SSH client	Configuration

Browser Support

[Table 5](#) describes the browser software versions that have been tested with Cisco StadiumVision Mobile Release 2.0.



Note

Unless specifically identified as unsupported, other browser versions might work, but their compatibility with Cisco StadiumVision Mobile cannot be assured.

Table 5 *Tested Browser Software*

PC or Laptop OS	Browser Version ¹
Apple Mac OS X	<ul style="list-style-type: none"> • Google Chrome Version 31.0 • Mozilla FireFox Version 26.0
Microsoft Windows (Windows 7)	<ul style="list-style-type: none"> • Google Chrome Version 31.0 • Mozilla FireFox Version 26.0

1. Other than what is listed in this table, no additional browser software is tested (for example, not Apple Safari or Microsoft Internet Explorer). However, other untested browser software might work.

Flash Support

To remotely access the Cisco Integrated Management Controller (CIMC) on a Cisco UCS C220 server for the software installation, your computer must meet the minimum browser and Flash player requirements for Cisco StadiumVision Mobile, and also have Java 1.6 or later installed.

Cisco StadiumVision Mobile Server Support

[Table 6](#) describes the Cisco StadiumVision Mobile server hardware and software supported in Cisco StadiumVision Mobile Release 2.0.

Table 6 *Supported Cisco StadiumVision Mobile Hardware and Software*

Description	Hardware Product ID	Software Version	Tested CIMC/BIOS Firmware
Cisco StadiumVision Mobile Streamer (Cisco UCS C220)	SV-M-STREAMER-K9	Cisco StadiumVision Mobile Release 2.0	Cisco CIMC firmware 1.5(1) ¹
Cisco StadiumVision Mobile Reporter (Cisco UCS C220)	SV-M-REPORTER-K9	Cisco StadiumVision Mobile Release 2.0	Cisco CIMC firmware 1.5(1) ¹

1. This is the minimum tested CIMC firmware version for Cisco StadiumVision Mobile Release 2.0, however, previously tested firmware versions continue to be supported.



Note

For more information about verifying and upgrading the Cisco UCS Server firmware, see the [Confirming the CIMC Firmware Version, page 10](#).

New Product IDs in Cisco StadiumVision Mobile Release 2.0.0

In Cisco StadiumVision Mobile Release 2.0.0, the Cisco StadiumVision Mobile software and hardware licenses are unbundled. This allows you to purchase hardware separately for the Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile Streamer and install Cisco StadiumVision Mobile software in a virtual environment. [Table 7](#) lists the new product IDs.

Table 7 *New Cisco StadiumVision Mobile Product IDs—Release 2.0.0*

Product ID	Replaces	Description
R-SV-M-RPRTR-SW-K9	N/A	Cisco StadiumVision Mobile Reporter software only license
R-SV-M-STRMR-SW-K9	N/A	Cisco StadiumVision Mobile Streamer software only license
L-SV-M-AGENT-1K	SV-M-AGENTS-10= SV-M-AGENTS-1= SV-M-AGENTS-10 SV-M-AGENTS-1	Client license

Security Information and Advisories for Cisco StadiumVision Mobile



Note

These release notes do not qualify any specific details about possible security issues for your Cisco StadiumVision Mobile network or products, and do not call attention to all possible relevant security information.

For the most up-to-date information about different levels of security information for Cisco Systems products, go to:

<http://tools.cisco.com/security/center/publicationListing.x>

OpenSSL Heartbeat Extension Vulnerability

On April 9, 2014 Cisco Systems announced the “OpenSSL Heartbeat Extension Vulnerability in Multiple Cisco Products” at: <http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20140409-heartbleed>

Certain components of your Cisco StadiumVision Mobile network could be vulnerable. For more information, go to <http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20140409-heartbleed> and compare your devices and software with the Cisco products identified under the “Vulnerable Products” listing.

If you have a vulnerable product, follow the instructions on this site to obtain software fixes or workarounds as applicable. If you do not find your product, continue to monitor this site for updates as several products are currently under investigation for their impact by this security vulnerability.

New and Changed Information in Cisco StadiumVision Mobile Release 2.0

This section describes new features, enhancements and changes in support or behavior in Cisco StadiumVision Mobile Release 2.0. It includes the following sections:

- [Cisco StadiumVision Mobile SDK, page 7](#)
- [Cisco StadiumVision Mobile Streamer, page 8](#)
- [Cisco StadiumVision Mobile Reporter, page 8](#)
- [Cisco StadiumVision Mobile Video Encoder, page 8](#)

Cisco StadiumVision Mobile SDK

This section summarizes the new features in Cisco StadiumVision Mobile SDK Release 2.0.0.

SDK API Enhancements

- Notifies app when significant events occur
- Enables playing audio channels (Google Android only)
- Set and get the SDK configuration at run-time

SDK Metrics sent to Cisco StadiumVision Mobile Reporter

- Lost streamer announcements
- Failed Cisco StadiumVision Mobile Reporter uploads
- Client app ID and version

Mobile Operating System Support

- Added and removed support for various mobile operating system versions, as listed in [Table 8](#).

Table 8 *Mobile OS Support*

OS	Apple iOS				Google Android						
	5.x	6.x	7.x	8.x	2.3	4.0	4.1	4.2	4.3	4.4	5.0
Cisco StadiumVision Mobile SDK Release 1.2	Yes	Yes	No	No	Yes	Yes	Yes	Yes	No	No	No
Cisco StadiumVision Mobile SDK Release 1.3	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No
Cisco StadiumVision Mobile SDK Release 2.0	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No



Note

The Cisco StadiumVision Mobile SDK is made available by special agreement. Contact your Cisco Systems representative for more information.

Cisco StadiumVision Mobile Streamer

Cisco StadiumVision Mobile Release 2.0 introduces the following new features and enhancements on the Cisco StadiumVision Mobile Streamer:

- Software Manager, which allows upgrades via the Cisco StadiumVision Mobile Streamer GUI.
- Streamer input quality monitoring.
- System State Report capability
- Parameter checking of output from the Cisco StadiumVision Mobile video encoder, which is now also used with the new quality monitoring feature. The following video statistics were added to the UI:
 - Transport Stream Discontinuities Detected
 - Malformed Video Packets
 - Malformed Packets Received

Cisco StadiumVision Mobile Reporter

Cisco StadiumVision Mobile Release 2.0 introduces the following new features and enhancements on the Cisco StadiumVision Mobile Reporter:

- Performance mode
- New TUI option for Specific Report Control
- New system state report
- UI enhancements
- Integration with Cisco Prime Infrastructure (PI) 2.0

Cisco StadiumVision Mobile Video Encoder

[Table 9](#) shows the Elemental encoder releases that correspond to specific hardware and qualified firmware versions.

Table 9 *Elemental Firmware Versions Qualified for Cisco StadiumVision Mobile Release 2.0*

Encoder Model	Qualified Cisco StadiumVision Mobile Release 2.0 Encoder Firmware Version
L174AE-C (latest model)	<ul style="list-style-type: none"> • Elemental Live firmware version 2.5.3.26866 (new OS)—Replaces version 2.3.1.22180 • Elemental Live firmware version 2.1.1.153 (old OS)
L152AE-C (previous model)	<ul style="list-style-type: none"> • Elemental Live firmware version 2.5.3.26866 (new OS)—Replaces version 2.3.1.22180 • Elemental Live firmware version 2.1.1.153 (old OS)

Refer to the *Cisco StadiumVision Mobile Release 2.0 Design and Implementation Guide* (contact your Cisco representative) for details on upgrading the Elemental encoder firmware.

**Note**

Cisco StadiumVision Mobile uses a special Elemental software release. Do not upgrade the software with every new Elemental release. The Cisco StadiumVision Mobile release has a low latency feature (relative to the standard Elemental release) and Cisco StadiumVision Mobile presets.

Installation Notes

This section includes the following installation information:

- [Installation and Upgrade Files](#), page 9
- [Recommended Web Browser](#), page 9
- [Important Installation and Migration Notes](#), page 10
- [Installation Requirements for Licensing Compliance](#), page 10

Installation and Upgrade Files

Cisco StadiumVision Mobile software is available in different types of files based on the installation or upgrade environment, as shown in [Table 9](#) and [Table 10](#).

Table 10 *Cisco StadiumVision Mobile 2.0.0—Fresh Installation or Upgrade*

Product	Platform	File to Use	Initiate Upload
Cisco StadiumVision Mobile Streamer or Cisco StadiumVision Mobile Reporter	Cisco UCS C220	Full ISO	TUI (Release 1.3 or earlier) or Browser ¹ (Release 2.0.0 or later)
			TUI (Release 1.3 or earlier) or Browser ¹ (Release 2.0.0 or later)
Cisco StadiumVision Mobile Streamer or Cisco StadiumVision Mobile Reporter	Cisco UCS C220	Upgrade ISO	CIMC remote mount

1. For upgrade instructions using the web browser UI, see the “[Using the Software Manager to Upgrade Cisco StadiumVision Reporter Software](#)” module in the *Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile Streamer Installation and Upgrade Guide*.

Recommended Web Browser

See the “[Browser and Flash Player support for Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile Streamer](#)” section on page 4.

Elemental Encoder Setup

The Elemental Technologies encoder ships with Cisco StadiumVision Mobile presets. For the initial setup, the Elemental encoder will need to have the IP address set, as well as have the firewall disabled. Refer to the *Elemental Live User Guide* that ships with the encoder for installation and configuration procedures. Also see the *Cisco StadiumVision Mobile Design and Implementation Guide* that is available through your Cisco Systems sales representative.

Confirming the CIMC Firmware Version

When installing Cisco StadiumVision Mobile on a Cisco UCS C220 server, refer to “Appendix A: CIMC Configuration and Firmware Upgrade Guidelines on the Cisco UCS C220 Server” in the *Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile Streamer Installation and Upgrade Guide* to verify the CIMC firmware version prior to installation.

Important Installation and Migration Notes

For Release 2.0, migration means moving an existing Cisco StadiumVision Mobile Release to a new hardware platform in a virtual environment. Brand new installations of Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile Streamer Release 2.0 on new platforms in a virtual environment are not considered a migration and are supported.



Note

Migration from a Cisco UCS C200 or Cisco UCS C220 server to a virtualized environment on third-party servers for installation of Release 2.0 is not supported for independent customer installation. Contact your Cisco Systems sales representative for information about your options.

VMware vSphere ESX Tested Versions for Cisco StadiumVision Mobile

Cisco StadiumVision Mobile 2.0 has been tested with vSphere Client version 5.1.0, build 786111 and VMWare vCenter Server version 5.1.0, build 947673. Other VMware vSphere ESX versions cannot be guaranteed to work with Cisco StadiumVision Mobile Release 2.0.



Note

Any VMware license that does not allow your virtual machine to be set to the minimum requirements described in [Table 1](#) and [Table 2](#) of the *Cisco StadiumVision Mobile Installation and Upgrade Guide* is not supported. As of the release date for Cisco StadiumVision Mobile Release 2.0, VMware vSphere Hypervisor is not supported.

Installation Requirements for Licensing Compliance

To maintain software licensing compliance, Cisco StadiumVision Mobile servers must be installed in the following manner:

- The Cisco StadiumVision Mobile Reporter or Cisco StadiumVision Mobile Streamer server is installed in a data center or in an enterprise data closet.

Limitations and Restrictions

Be aware of the following limitations and restrictions in Cisco StadiumVision Mobile Release 2.0:

Cisco StadiumVision Mobile Reporter

- When entering event names into the event spreadsheet on the Cisco StadiumVision Mobile Reporter, if special characters (\ , \$, %) are used in the event names, the menu item representing the event being viewed is NOT highlighted.
- The Cisco StadiumVision Mobile Reporter supports a single season only.
- The Cisco StadiumVision Mobile Reporter redundancy can be provided via a warm standby secondary server only. There is no automated failover or redundancy. Also, no automatic data replication occurs between the primary and secondary reporters.
- If the Prime Infrastructure (PI) configuration is removed, the **svmreporter** service must be restarted. See the “Services Control” section in the *Cisco StadiumVision Mobile Reporter Administration Guide* (Release 2.0) for details.
- When Prime Infrastructure (PI) is not configured, the following reports are affected:
 - SVM WiFi Client will show zero (0) for all the values
 - The Uptake Scorecard will not display anything
- Cisco Stadium Vision Mobile Reporter 2.0 may not show the expected Access Point (AP) Areas in the Area Performance and AP Performance CSV files because by default, the Reporter uses the AP Name prefix it receives from PI to determine the area. For additional information, contact your Cisco representative.
- The event name, start and end date should **not** be changed once an event has started. For future events, it is acceptable to change the event name, start and end date.

Cisco StadiumVision Mobile Streamer

- The Cisco StadiumVision Mobile Streamer supports content access control for multiple owners. However, the Cisco StadiumVision Mobile Reporter does not provide reporting on a per content owner basis.
- The Cisco StadiumVision Mobile Streamer redundancy can be provided via a warm standby secondary server only. There is no automated failover or redundancy.
- The Cisco StadiumVision Mobile Streamer Release 2.0 compresses service announcements and clients using 1.3 are unable to process the compressed announcements. If 1.3 compatibility is required, then the 2.0 Streamer must disable compression. Contact your Cisco Systems representative for additional information.

Cisco StadiumVision Mobile SDK

- The Cisco StadiumVision Mobile SDK supports the audio only channel on Google Android.

Important Notes

This section includes other important information about the Cisco StadiumVision Mobile solution that you should know for optimal operation, and contains the following sections:

- [Devices Tested with Cisco StadiumVision Mobile, page 12](#)

Devices Tested with Cisco StadiumVision Mobile

Table 11 lists the devices that have been tested with Cisco StadiumVision Mobile Release 2.0.0. It also provides the device model number, operating system (OS) version, and overall test result.

Table 11 *Mobile Devices Tested With Cisco StadiumVision Mobile*

Make	Model Number	OS Version	Overall Test Result
Apple Touch iPod 4th gen	N81AP	6.1.2	Passed
Apple Touch iPod 5th gen	N78AP	6.1.3	Passed
Apple Touch iPod 5th gen	N78AP	7.0.4	Passed
Apple Touch iPod 5th gen ¹	N78AP	8.1.2	Passed
Apple iPad Air 1st gen	P105AP	7.1.1	Passed
Apple iPad mini - 1st gen	P105AP	7.1.1	Passed
Apple iPad - 2nd gen	K93AP	6.1.3	Passed
Apple iPad Retina - 4th gen	P101AP	6.1	Passed
Apple iPhone 4 - CDMA	N92AP	6.1.3	Passed
Apple iPhone 5S - GSM	N51AP	7.0.2	Passed
Apple iPhone 5S - GSM ¹	N51AP	8.1.2	Passed
Apple iPhone 6+ ¹	A1549	8.1.2	Passed
Google Nexus 7, 2nd gen	Nexus 7	4.4	Passed
Google Galaxy Nexus	Galaxy Nexus	4.1.1	Passed
HTC One	HTC One	4.3	Passed
HTC One M8 ¹	HTC One_M8	4.4.3	Passed
LG G2	LG-D802	4.2.2	Passed
LG G3 ¹	LG-F400S	4.2.2	Passed
Motorola Moto-G	Moto G	4.3	Passed
Samsung Galaxy S3	GT-I9300	4.1.2	Passed
Samsung Galaxy S4 ¹	GT-I9500	4.2.2	Passed
Samsung Galaxy S5 ¹	SM-G900H	4.4.2	Passed
Samsung Galaxy Note 3	SM-N9005	4.3	Passed
Sony Xperia Z1	C6902	4.2.2	Passed

1. Tested with Elemental Encoder firmware version 2.5.3.26866.

Caveats

- [Resolved Defects in Cisco StadiumVision Mobile Release 2.0.1, page 13](#)
- [Open Defects in Cisco StadiumVision Mobile Release 2.0.1, page 13](#)
- [Open Defects in Cisco StadiumVision Mobile Release 2.0.0, page 14](#)
- [Related Documentation, page 19](#)

Resolved Defects in Cisco StadiumVision Mobile Release 2.0.1

Cisco StadiumVision Mobile Reporter

Table 12 lists the defects that are resolved in Cisco StadiumVision Mobile Reporter Release 2.0.1.

Table 12 Resolved Defects in Cisco StadiumVision Mobile Reporter Release 2.0.1

Resolved Defect Number	Description of Original Defect
CSCur30167	Security Alert: IntelliShield security alert ID: 35836 (GNU Bash)

Cisco StadiumVision Mobile Streamer

Table 13 lists the defects that are resolved in Cisco StadiumVision Mobile Streamer Release 2.0.1.

Table 13 Resolved Defects in Cisco StadiumVision Mobile Streamer Release 2.0.1

Resolved Defect Number	Description of Original Defect
CSCur30155	Security Alert: IntelliShield security alert ID: 35836 (GNU Bash)

Open Defects in Cisco StadiumVision Mobile Release 2.0.1

Cisco StadiumVision Mobile Streamer

CSCuq56961—EVS: Files disappear when Eng app is placed in background/foreground

Symptom In EVS, files are deleted or disappear when the app is sent to the background and then brought to the front. This causes the app to download the files again when the app is placed in the background, but when the app is brought to the front, the files are deleted or disappear.

Workaround There is no workaround.

CSCuq45818—Delay in Received Multicast File Callbacks

Symptom There is a delay on the Nexus7 associated to Cisco StadiumVision Mobile data serviced by the Streamer. After selecting the file channel DemoStreamFD, the Nexus7 experiences a delay of 5-6 minutes until all of the callbacks are received.

Workaround There is no workaround.

Open Defects in Cisco StadiumVision Mobile Release 2.0.0

This section lists the open defects for the Cisco StadiumVision Mobile Release 2.0.0.

Cisco StadiumVision Mobile SDK

CSCuo50202—Scalable File Distribution: If there is insufficient storage space on the mobile device, the SDK should send a notification to app

Symptom When using Scalable File Distribution, there is insufficient storage space on the mobile device.

Conditions When using the Scalable File Distribution feature, if there is insufficient storage space on the mobile device, the SDK should send an out of space notification to the application.

Currently the SDK does not send a out of space notification.

Workaround There is no workaround.

CSCuo50204—Scalable File Distribution: If file too big it's not transferred and SDK doesn't notify app.

Symptom When using Scalable File Distribution, the Cisco StadiumVision Mobile Streamer will not transfer files in the txfiles directory that are larger than 4MB.

Conditions The SDK does not send a notification to an app developed by a third party.

Workaround There is no workaround.

CSCuo68896—Android Engineering and Sample apps sometimes Audio is distorted in Audio Only Channel feature.

Symptom A selected audio channel plays well initially but it gradually gets distorted. User can navigate to other apps and can hear the audio and return to the Cisco StadiumVision Mobile app. Once the audio channel is distorted it behaves unpredictably.

Workaround If audio distortion occurs stop and start the app again.

CSCuo74426—Unexpected SDK channel pruning

Symptom At times the SDK will decide to prune channels, even though channel announcements have been received within the last 30 seconds.

Conditions The problem was recreated with a Nexus 7, first generation tablet running the 1.3-b2809 eng app. The app was left on the channel list page for several hours, and during that time all channels would repeatedly disappear from the channel list page without apparent reason.

Workaround Restart the application.

CSCuo81745—Audio glitches (buffering stalls) are not reported by SVM SDK

Symptom Audio glitches are not reported by the Cisco StadiumVision Mobile SDK because the third-party library is not reporting audio buffering stalls which should show up as a positive integer in the mongo data in the column SVM.channels.0.decoder.num_audio_buffering_stalls file.

Conditions Start event. Play audio on a Cisco StadiumVision Mobile client such that audio glitches are heard (move to edge of WiFi network reception). Download mongo raw data report from System State report. Check for positive integers in column SVM.channels.0.decoder.num_audio_buffering_stalls.

Expected result is that positive integers exist. The actual result is that the data is all zeros.

Workaround There is no workaround.

CSCup03524—Audio stats are being sent out to Reporter when it shouldn't.

Symptom The Cisco StadiumVision Mobile SDK is sending out stats for the audio only channel if it is not first stopped before a video channel is started. It should stop the audio when video is started and close the audio session and not send out audio stats while video is playing.

Currently Reporter is getting both audio and video stats at the same time on different channels if video is started before audio is stopped.

Workaround Stop the audio channel before starting the video channel.

CSCup03560—After WiFi network change (SSID change) audio can still be heard in the background

Symptom While listening to an audio channel in the background with the Android customer application, another network is picked up, you still hear the old audio channel.

Conditions Bring up the app. Listen to an audio channel in background. Walk away from the current network that is associated with the channel.

Workaround Disconnect/Reconnect from the desired network.

CSCup03578—App crashed when a sequence of audio/video/audio steps are followed

Symptom The Cisco StadiumVision Mobile app crashes.

Conditions

1. Bring up the App.
2. In the Audio tab, select an audio channel and listen for a few seconds.
3. In the Video tab, select a video channel and listen for a few seconds.
4. In the Audio tab, toggle the channel.

Workaround There is no workaround.

CSCup03595—Under rare circumstances fatal exception encountered in Android app

Symptom A fatal exception occurs in the Android app.

Conditions Tab to one of the audio only channels in application and encountered fatal exception.

Workaround There is no workaround.

CSCuw03647—User interface (UI) changes time as per the client time zone

Symptom The UI changes the time of an event based on the client time zone and is displayed in the "Upload Event Schedule" page.

Steps

1. Set up the Reporter server locally in the local time zone.
2. Upload an event schedule from a different time zone.
3. Go to the "Upload Event Schedule" page and check the event time on the already uploaded event schedule.

The Reporter UI should not change the time of the event schedule as per the client time zone, however the Reporter UI changes the time of the event schedule as per the client time zone.

Workaround There is no workaround.

CSCuo50199—When playing a video and home button is pressed sometimes video will stop playing

Symptom Video stops playing.

Conditions Bring up the Cisco StadiumVision Mobile application. Play a video. While it is playing the video, press the home button. Quickly return to the app. It stays on a blank page and the video does not start. The app is active and you can go back to the channel list. This is observed on:

HTC One 5.5 running Android 4.4.2, Google Nexus, Samsung Galaxy S3

Workaround Go back to the channel list and select the video channel again.

CSCuo50209—Upgrading the Cisco StadiumVision Mobile Streamer sometimes causes existing configuration to be lost

Symptom The Cisco StadiumVision Mobile Streamer configuration is lost after performing an upgrade.

Conditions The "streamer.cfg" file no longer contains any configurations.

Workaround To safeguard against this issue it is strongly recommended to backup the existing "streamer.cfg" file before upgrading. If this issue occurs restore the "streamer.cfg" file with the backup copy.

CSCum10962—Mongo DB encounters issues restarting after a power loss or unclean shutdown

Symptom No data will show up to export in the event scorecard because the Raw Data database failed to start even though the rest of the Cisco StadiumVision Mobile services are up and running. The screen remains completely black after selecting the event and the 'data export'.

When going in marketing mode, then one can see the historical data from today's session.

Workaround Confirm that the raw database is running by using the TUI: **Services Control > Raw Data > Show Status**. If the database is not running, attempt to start it.

If that does not work, then repair it in the TUI under: **Server Administration > Repair databases > Raw database**.

Cisco StadiumVision Mobile Reporter

CSCus49637—AP Perf.CSV includes stats for APs which are removed from AP_names file

Symptom AP Performance CSV includes stats for APs which are removed from the uploaded "AP Names" file. If an AP name is uploaded and then does not exist in a subsequent upload, the Reporter will continue to know about it until the Reporter is restarted.

Steps

1. Upload an event schedule on the reporter and run the event.
2. Upload the "AP Names" file to the reporter with a list of AP Mac addresses and names.
3. Run the event and generate the "AP Performance" report.
4. Remove one AP from the "AP Names" file and upload it again.
5. Run the event and generate the "AP performance" report.
6. Check the report to see if the removed AP is listed as "Unknown" in the report.

Workaround Restart SVM services on the reporter.

CSCus41155—Reporter-Area Performance CSV should include stats for 'unknown' AP

Symptom Reporter-Area Performance CSV should include stats for 'unknown' AP. In case client devices connect to an unknown access point which is not listed in the uploaded AP Names file on the Reporter, the stats are not captured in the Area Performance CSV file, thus not being included in the data calculations.

Steps

1. Uploaded event schedule on the reporter and run the events.
2. Downloaded the AP Performance which had one client session with "Unknown" AP Name.
3. Checked the AP Area CSV to see if this session time is recorded in this report.

Workaround The AP Area report should include the client stats for “Unknown AP” because clients are connected to the AP and had a valid session. Please check the AP Performance report to see the “Unknown” AP stats.

CSCuq57181—SVM Reporter must redirect to correct URL if http and port 8080 are used

Symptom The Cisco StadiumVision Mobile Reporter login page is accessible using http and port 8080 (<http://ip:8080/reporter/index.jsp>). This is a problem because subsequent navigation to other applications (such as the Software Manager) may fail.

Workaround Do not use port 8080 and delete all 1.3 bookmarks because are likely to have 8080 embedded in the URL. The correct URL format is <http://ip/reporter/dashbaord.svm> or <https://ip/reporter/dashboard.svm>.

CSCus30786—Reporter CSV files do not open correctly in Excel for an Apple MAC

Symptom When opening Cisco StadiumVision Mobile Reporter CSV files on a Mac, they are not recognized.

Conditions This is a consistent issue.

Workaround Open the CSV file in TextEdit, click **Save** without making any changes. Next, open the saved file in Excel.

CSCuq60093—SVM Reporter is not accessible after upgrade for path 1.2 > 1.3 > 2.0.0

Symptom Cisco StadiumVision Mobile Reporter is not accessible after following the upgrade path 1.2 > 1.3 > 2.0.0 due to missing ssl related packages (`imod_ssl-2.2.3-63.el5.x86_64.rpm` and `distcache-1.4.5-14.1.x86_64.rpm`).

Workaround Do not upgrade such a system to 2.0, a fresh installation must be performed. A 1.3 backup cannot be restored onto a 2.0 system. If the 1.3 data needs to be retained, then perform the following procedure to reinstall:

1. Backup Reporter 1.3 to an off-box location.
2. Reinstall Reporter 1.3 from the full 1.3 iso.
3. Restore the backup onto Reporter.
4. Upgrade the new Reporter 1.3 to 2.0.

CSCuq56165—Reporter 1.3 > 2.0 upgrade doesn't upgrade the svm-reporter-cgi package

Symptom The “Export Raw Data” option under System State Report is missing after upgrading from 1.3 > 2.0.

Workaround If retaining 1.3 data is not important, it is recommended to perform a fresh 2.0 install. If 1.3 data must be preserved, proceed with the 2.0 upgrade and open a TAC case to have the `svm-reporter-cgi-2.0.0-365.x86_64.rpm` package manually applied.

CSCuq16565—Reporter should reject duplicate event names in all cases

Symptom Cisco StadiumVision Mobile Reporter does not reject or provide an error message for an event schedule that uses the same event name from past event schedules.

Workaround Event names should be unique, both within an event schedule and between event schedules. Once an event name is used for an event, the same event name should not be used for any future events.

Related Documentation

For information about the specific configuration requirements, see the *Cisco StadiumVision Mobile Design and Implementation Guide* that is available through your Cisco Systems sales representative.

For more information about Cisco StadiumVision Mobile hardware and software installation, configuration, and operation, see the Cisco StadiumVision Mobile documentation available on Cisco.com at: http://www.cisco.com/en/US/products/ps11274/tsd_products_support_series_home.html

Cisco StadiumVision Mobile Documents

The following documents are available at:

http://www.cisco.com/en/US/products/ps11274/tsd_products_support_series_home.html

- *Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile Streamer Installation and Upgrade Guide*
- *Cisco StadiumVision Mobile SDK Guide for Apple iOS and Google Android, Release 2.0*
- *Cisco StadiumVision Mobile Reporter Administration Guide*
- *Cisco StadiumVision Mobile Streamer Administration Guide*

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Sports & Entertainment Solutions page: www.cisco.com/go/sports

Registered partners: www.ciscoet.com

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

This document is to be used in conjunction with the documents listed in the “Related Documentation” section.

Google, Google Play, Android and certain other marks are trademarks of Google Inc.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.

© 2015 Cisco Systems, Inc. All rights reserved.