Cisco IP Conference Phone 8832 Multiplatform Phones Release Notes for Firmware Release 11.3(4)

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Release Notes

Use these release notes with the Cisco IP Conference Phone 8832 Multiplatform Phones running SIP Firmware Release 11.3(4).

The following table describes the individual phone requirements.

Phone	Support Requirements
Cisco IP Conference Phone 8832 Multiplatform Phones	Cisco BroadWorks 24.0 MetaSphere CFS version 9.5 Asterisk 13.0

Related Documentation

Use the following sections to obtain related information.

Cisco IP Conference Phone 8832 Documentation

See the publications that are specific to your language, phone model, and multiplatform firmware release. Navigate from the following Uniform Resource Locator (URL):

https://www.cisco.com/c/en/us/products/collaboration-endpoints/ip-phone-8800-series-multiplatform-firmware/index.html

New and Changed Features

RTL Language Support

With the firmware release 11.3(4), phone now supports Right-to-Left (RTL) languages. All multiplatform IP phones, A-KEM, and V-KEM now support the following languages.

- Arabic
- Hebrew

In the phone web interface, you can use the **Dictionary Server Script** field from **Voice** > **Regional** > **Language** to configure the language support.

Where to Find More Information

- *Cisco IP Conference Phone 8832 Series Multiplatform Phones Administration Guide*

SSRC Reset for the New RTP and SRTP Sessions

Enable the Synchronization Source (SSRC) reset and avoid a failed call transfer, where only one party on a transferred call hears the audio.

To enable the feature, use the **SSRC Reset on RE-INVITE** field under the **RTP Parameters** section from **Voice** > **SIP**.

Note By default, the SSRC reset is disabled for the new RTP and SRTP sessions.

Where to Find More Information

- *Cisco IP Conference Phone 8832 Multiplatform Phones Administration Guide*

Support Maximum of 12 SRV Records in a Query

The maximum number of the DNS SRV records supported in a query increases from 6 to 12.

Before the 11.3(4) release, the maximum number of the DNS SRV records is 6.

Where to Find More Information

- *Cisco IP Conference Phone 8832 Multiplatform Phones Administration Guide*

Unplanned Migration Prevention

When you install enterprise to MPP migration firmware COP files, the firmware files are available for use to specify as load name. You can then configure to retain the default **Load Information** value of the phone. As a result all the phones of the same model do not start migration process unintentionally. It allows you to change the default load manually.

Where to Find More Information

- *Cisco IP Phone 7800 and 8800 Series Migration Guide (On-Premises to Multiplatform Phones)*
- *Convert between Enterprise Firmware and Multiplatform Firmware for Cisco IP Phone 7800 and 8800 Series*

Upgrade Overview

The upgrade procedure is different according to the current phone firmware version.

- If the current phone firmware is 11.3(1) SR3 or later, see Upgrade the Firmware from a version after 11.3(1) SR3, on page 3.
- If the current phone firmware is 11.3(1) SR2 or earlier, see Upgrade the Firmware from a Version before 11.3(1) SR2, on page 4.

Upgrade the Firmware from a version after 11.3(1) SR3

You can upgrade the phone firmware with TFTP, HTTP, or HTTPS. After the upgrade completes, the phone reboots automatically.

The phone firmware supports the following upgrade paths:

- From 11.3(1) SR3 to 11.3(4)
- From 11.3(2) to 11.3(4)
- From 11.3(3) to 11.3(4)

Procedure

Step 1 Click this link:

https://software.cisco.com/download/home/286311392

On the **Software Download** web page that is displayed, ensure that **IP Phone 8800 Series with Multiplatform Firmware** is selected in the middle pane.

Step 2 Select **IP Conference Phone 8832 with Multiplatform Firmware** in the right pane.

Step 3 On the next page that is displayed, select **Multiplatform Firmware**.

Step 4 On the next page that is displayed, select **11.3.4** in the **All Releases** > **MPPv11** folder.

Step 5 (Optional) Place your mouse pointer on the file name to see the file details and checksum values.

Step 6 Download the `cmterm-8832.11-3-4MPP0001-374_REL.zip` file.

Step 7 Click **Accept License Agreement**.

Step 8 Unzip the file and place the files in the appropriate location on your upgrade server.

The appropriate location is the TFTP, HTTP, or HTTPS download folder, depending on the protocol that you want to use for the upgrade.

Step 9 Upgrade the phone firmware with one of these methods.

- Upgrade the phone firmware from the phone administration web page:
  a. On the phone administration web page, go to **Admin Login** > **Advanced**, **Voice** > **Provisioning** > **Firmware Upgrade**.
  b. In the **Upgrade Rule** field, enter the load file URL as described below.

     Load file URL format:

     ```
     <upgrade protocol>://<upgrade server ip address>[:<port>]>/<file name>.loads
     ```

     Examples:

     ```
     http://10.73.10.223/sip8832.11-3-4MPP0001-374.loads
     ```

     ```
     https://server.domain.com/sip8832.11-3-4MPP0001-374.loads
     ```

  c. Click **Submit All Changes**.

- Upgrade the phone firmware directly from your web browser:

In the address bar of your web browser, enter the phone upgrade URL as described below.

Phone upgrade URL format:

```
<phone protocol>://<phone ip address>[:<port>]/admin/upgrade?<load
file URL>
```

Load file URL format:

```
<upgrade protocol>://<upgrade server ip address>[:<port>]/<file
name>.loads
```

Examples:

```
https://10.74.10.225/admin/upgrade?http://10.73.10.223/sip8832.11-3-4MPP0001-374.loads
```

```
https://10.74.10.225/admin/upgrade?https://server.domain.com/firmware/sip8832.11-3-4MPP0001-374.loads
```

Note Specify the `<file name>.loads` file in the URL. The `<file name>.zip` file contains other files.

Upgrade the Firmware from a Version before 11.3(1) SR2

You can upgrade the phone firmware with TFTP, HTTP, or HTTPS. After the upgrade completes, the phone reboots automatically.

Before you begin

If the current phone firmware is one of the following versions, you must first upgrade the phone firmware to 11.3(1) SR2.

- 11.2(3)
- 11.2(3) SR1
- 11.3.1
- 11.3(1) SR1

For more information, see Cisco IP Conference Phone 8832 Multiplatform Phones Release Notes for Firmware Release 11.3(1)SR2.

Procedure

Step 1 Click this link:

https://software.cisco.com/download/home/286311392

On the **Software Download** web page that is displayed, ensure that **IP Phone 8800 Series with Multiplatform Firmware** is selected in the middle pane.

Step 2 Select **IP Conference Phone 8832 with Multiplatform Firmware** in the right pane.

Step 3 On the next page that is displayed, select **Multiplatform Firmware**.

Step 4 Under **Latest Release**, select **11.3.4**.

Step 5 (Optional) Place your mouse pointer on the file name to see the file details and checksum values.

Step 6 Download the corresponding file.

`cmterm-8832.11-3-4MPP0001-374_REL.zip`

Step 7 Click **Accept License Agreement**.

Step 8 Unzip the file and place the files in the appropriate location on your upgrade server.

The appropriate location is the TFTP, HTTP, or HTTPS download folder, depending on the protocol that you want to use for the upgrade.

Note If you miss the step to upgrade the phone firmware to **11.3.1 MSR2-6**, then you must place the file under the root directory of the TFTP, HTTP, or HTTPs upgrade server.

Example:

`http://10.73.10.223/sip8832.11-3-4MPP0001-374.loads`

If the file is placed under a non-root directory of the upgrade server, the upgrade fails.

Example:

`http://10.73.10.223/firmware/sip8832.11-3-4MPP0001-374.loads`

Step 9 Upgrade the phone firmware with one of these methods.

- Upgrade the phone firmware from the phone administration web page:
  - **a.** On the phone administration web page, go to **Admin Login** > **Advanced**, **Voice** > **Provisioning** > **Firmware Upgrade**.
  - **b.** In the **Upgrade Rule** field, enter the load file URL as described below.

    Load file URL format:

    `<upgrade protocol>://<upgrade server ip address>[:<port>]>/<file name>.loads`

    Examples:

    `http://10.73.10.223/sip8832.11-3-4MPP0001-374.loads`

    `https://server.domain.com/sip8832.11-3-4MPP0001-374.loads`

  - **c.** Click **Submit All Changes**.

- Upgrade the phone firmware directly from your web browser:

  In the address bar of your web browser, enter the phone upgrade URL as described below.

  Phone upgrade URL format:

  `<phone protocol>://<phone ip address>[:<port>]/admin/upgrade?<load file URL>`

  Load file URL format:

  `<upgrade protocol>://<upgrade server ip address>[:<port>]/<file name>.loads`

  Examples:

  `https://10.74.10.225/admin/upgrade?http://10.73.10.223/sip8832.11-3-4MPP0001-374.loads`

```
https://10.74.10.225/admin/upgrade?https://server.domain.com/firmware/sip8832.11-3-4MPP0001-374.loads
```

Note Specify the `<file name>.loads` file in the URL. The `<file name>.zip` file contains other files.

Limitations and Restrictions

Phone Behavior During Times of Network Congestion

Anything that degrades network performance can affect phone audio and, in some cases, can cause a call to drop. Sources of network degradation can include, but are not limited to, the following activities:

- Administrative tasks, such as an internal port scan or security scan
- Attacks that occur on your network, such as a Denial of Service attack

Caveats

View Caveats

You can search for caveats (bugs) with the Cisco Bug Search tool.

Known caveats are graded according to severity level, and are either open or resolved.

Before you begin

You have your Cisco.com user ID and password.

Procedure

Step 1 Click one of the following links:

- To view all caveats that affect this release:

  https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=286319904&rls=11.3(4)&sb=anfr&bt=custV
- To view open caveats that affect this release:

  https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=286319904&rls=11.3(4)&sb=anfr&sts=open&bt=custV
- To view resolved caveats that affect this release:

  https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=286319904&rls=11.3(4)&sb=anfr&sts=fd&bt=custV

Step 2 When prompted, log in with your Cisco.com user ID and password.

Step 3 (Optional) For information about a specific caveat, enter the bug ID number (*CSCxxnnnnn*) in the **Search for** field, and press **Enter**.

Open Caveats

The following list contains the severity 1, 2, and 3 defects that are open for the Cisco IP Conference Phone 8832 Multiplatform Phones that use Firmware Release 11.3(4).

For more information about an individual defect, you can access the online history for the defect by accessing the Bug Search tool and entering the Identifier (*CSCxxnnnnn*). You must be a registered `cisco.com` user to access this defect information.

Because the defect status continually changes, the list reflects a snapshot of the defects that were open at the time this report was compiled. For an updated view of the open defects or to view specific bugs, access the Bug Search Toolkit as described in View Caveats, on page 6.

- CSCvw69851 CP-8832-3PCC buzzing noise
- CSCvv51309 MPP software is not completing the ICE procedures when placing a call to L2SIP
- CSCvw72979 Phone will show the call center softkey after answer executive or call forward call.
- CSCvx44944 Short activation code taking a long time to get configurations
- CSCvx44952 Phone showing Failed to download configurations even when it was successful while migrating to MPP
- CSCvx49825 Phone stuck at configuration check in progress during firmware migration if it was on WiFi before
- CSCvy20491 Customer enhancement requests for 3PCC feature: View image of IP camera on 3PCC phone.
- CSCvy36096 Unexpected 481 sent by phone when off/on-hook shared line quickly
- CSCvy39554 MPP Mutual auth fails in HTTPS for E911
- CSCvy27737 No reorder tone and will not time out when network conference fail

Resolved Caveats

The following list contains the severity 1, 2, and 3 defects that are resolved for the Cisco IP Conference Phone 8832 Multiplatform Phones that use Firmware Release 11.3(4).

For more information about an individual defect, you can access the online history for the defect by accessing the Bug Search tool and entering the Identifier (*CSCxxnnnnn*). You must be a registered `Cisco.com` user to access this defect information.

Because the defect status continually changes, the list reflects a snapshot of the defects that were resolved at the time this report was compiled. For an updated view of the resolved defects or to view specific bugs, access the Bug Search Toolkit as described in the View Caveats, on page 6.

- CSCvw16018 CP-8832NR-3PCC-K9= is not officially supported for firmware migration
- CSCvv20301 POR: Not all characters are shown in the character preview pop-up
- CSCvv64780 Cannot restore the phone background after setting an invalid background picture
- CSCvv83242 Multiple Vulnerabilities in dnsmasq DNS Forwarder Affecting Cisco Products: January 2021
- CSCvw21396 ICE, Offer not having ICE candidates should be handled

- CSCvw54519 Speed dial of 1 digit number is not supported for Proxy Call
- CSCvw69940 Evaluation of 8800 for Sweyntooth vulnerabilities in Bluetooth Low Energy
- CSCvw82717 MPP phones - SBC is rejecting a specific line-seize SIP SUBSCRIBE
- CSCvw87814 Dropped Media from ICE enabled Device on Non ICE Call Path
- CSCvx05499 Two "Anonymous" were shown on LCD when shareline reiceving anonymous calls
- CSCvx13295 xmpp ping error will not trigger failover
- CSCvx38703 Phone cold rebooting upon expiration of download timer
- CSCvx38710 Logs are lost upon cold reboot
- CSCvx47030 softkey is wrong on cfwd contacts selection page
- CSCvx62528 Cisco IP Phone Cisco Discovery Protocol Out-of-Bound Read Vulnerability
- CSCvx69154 MPP Not Setting "Don't Fragment" (DF) Bit
- CSCvx84321 Evaluation of 8832 for OpenSSL March 2021 vulnerabilities
- CSCvx85189 Shared line remaining red after user hangs up call.
- CSCvy30979 MPP phones not honouring PAID update for caller ID in certain cases

Cisco IP Phone Firmware Support Policy

For information on the support policy for phones, see https://cisco.com/go/phonefirmwaresupport.

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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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