Cisco Proximity

Desktop

Cisco Proximity for OS X 1.0

Cisco Proximity for Windows 1.0 Beta

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November 2015

Contents

Document revision history

Revision	Date	Description
01	November 2015	Release of Cisco Proximity for desktop 1.0

Introduction to Cisco Proximity for desktop 1.0

This release note describes the features and capabilities included in Cisco Proximity for desktop.

Cisco Proximity allows you to share content to your video system from your Mac or PC. Images are sent to the Collaboration Endpoint as snapshots of the screen at low frame rate, which makes this functionality ideal for presenting still images e.g. slide based content and not content in motion.

The Client will only share visual content and not audible content.

Go to https://proximity.cisco.com on your device and download the desktop client.

Here you can also find links to proximity for mobile on Android and iOS. Proximity for mobile allows you to control your video system and view content being shared on a video system from your mobile device.

Supported Operating System Versions

Cisco® Proximity is supported on the following 64 bit operating system versions running:

- Windows 7 and above*
- Mac OS X 10.9 and above

*The Windows client is released as a Beta and the tile based Windows interface is not supported

Requirements

Cisco Proximity is officially supported for both mobile and desktop. The Cisco Proximity application provides its features as a wireless extension to a supported Collaboration Endpoint. In order to provide these features the Cisco Proximity enabled laptop is required to be in vicinity of a Collaboration Endpoint running Collaboration Endpoint Software version 8 or later - typically in the same room.

Supported endpoints are Cisco TelePresence MX200 G2, MX300 G2, MX700, MX800, MX800 Dual, SX10, SX20 and SX80.

The Collaboration Endpoint software version 8 can be downloaded from http://www.cisco.com.

Please read the Release Notes and Administrator Guides for Collaboration Endpoint SW 8 to get more information on how to configure Cisco Proximity for usage in your organization: http://www.cisco.com/go/TelePresence/docs

Privacy

Please read the Proximity Privacy Supplement:

http://www.cisco.com/web/siteassets/legal/privacy.html

Cisco Proximity for Windows released as Beta

To connect to a Collaboration Endpoint, the Cisco Proximity client must detect an ultrasound signal emitted by the endpoint to confirm that the Collaboration Endpoint and laptop is in the same room. Most mobile phones (Android or iOS) and Macintosh (OSX) laptops are able to detect the ultrasound signal. Some laptops running Windows may not be able to record sound in the ultrasound frequency range (20Khz-22 kHz). This can be due to frequency limitations with the soundcard, sound driver or the internal microphone.

Due to these concerns observed on laptops running Windows, Cisco Proximity for Windows is released as Beta. We are working to further improve the pairing mechanisms, and if you experience any issues or have any concerns with Cisco Proximity for desktop, please help us improve the product by providing feedback at https://www.cisco.com/go/proximity-support.

Known limitations

Ultrasound pairing

Cisco Intelligent Proximity uses high frequency sound in the 20kHz to 22kHz audio frequency range in order to establish a connection with a Cisco Collaboration endpoint. This method allows devices to pair quickly with a Collaboration Endpoint when in close proximity. No additional workflow is required by the end user such as connecting to a new network or manually entering IP addresses or authentication credentials.

Note that it is possible for the audio pairing signal to be negatively affected by the environment or equipment used with Proximity, in the worst cases this may cause a loss of connection with the endpoint or prevent pairing to occur at all. Some things that can negatively affect Proximity include:

- Harsh acoustic environments, for example with hard reflective surfaces
- Interference in the 20kHz to 22kHz frequency range, for example from HVAC or from another endpoint emitting Proximity audio
- Third party speakers that cannot produce or poorly produce audio in the 20kHz to 22Khz frequency range
- A microphone that is unable to receive audio in the 20kHz to 22Khz frequency range
- Software running on a device intercepting, altering or removing the received audio in the 20kHz to 22Khz frequency range
- A device preventing the Proximity application from accessing the microphone, for example because another application has exclusive use of it at that moment

Network

It is also important to consider the network used by the endpoint and the device running the Proximity application. This network must allow the device to connect to the endpoint's IPv4 address over HTTPS (on port 443). The network must be reliable; a loss of network connectivity will interrupt the operation of Cisco Proximity.

A user can be on a mobile data network (3G/4G/LTE) as long as there is a VPN connection back to the enterprise and there is a route to the video systems IPv4 address from the VPN concentrator. IPv6 end-to-end is not supported in the current release.

Features and functionality in Cisco Proximity for desktop 1.0

- Cisco Proximity for desktop
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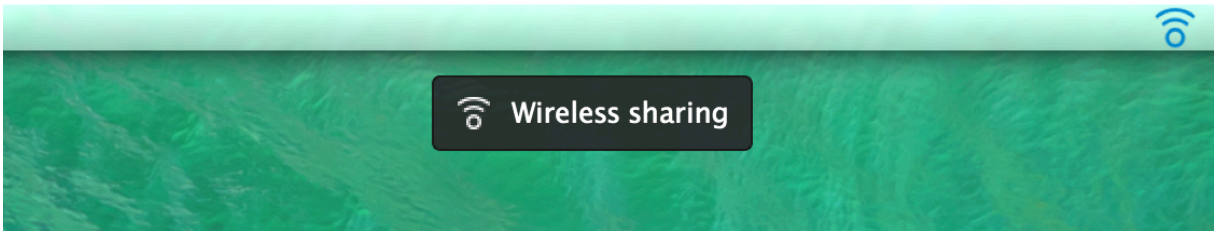
Feature and functionality descriptions

Share your screen

Cisco Proximity allows you to share content to your video system from your Mac or PC. Images are sent to the Collaboration Endpoint as snapshots of the screen at low frame rate, which makes this functionality ideal for presenting still images i.e. slide based content, but less ideal for motion content, like videos.

The Client will only share visual content and not audible content.

For privacy reasons, there is a label on your screen when presenting via Proximity to notify both the presenter on the desktop and the audience seeing the content that wireless sharing is occuring.



Note: Some applications (e.g. Keynote 6.6) hide the label in full screen mode.

Select screen

If you have more than one screen connected to your Mac or PC you can use this functionality to select the screen you want to share.

Check for update

Once the Cisco Proximity application is downloaded from proximity.cisco.com and installed the client will automatically look for software updates. If a new update is found the client will download the updates and upgrade the client silently. In addition, users can manually check for updates and verify that the client is on the latest version.

Settings

The default configuration is to start Cisco Proximity on login; this can be altered under settings.

About

In the about dialogue you can find the Support ID, version number and links for more information about Cisco Proximity.

Help

Help takes you to the offical support forum for the Cisco Proximity application.

Notifications

Tool tip

In the Proximity menu, the application provides helpful messages to inform users about its current state. E.g.: “Searching for video systems”, meaning the client is listening for ultrasound signals trying to detect a video endpoint.

Desktop notifications

The Client also notifies the user through the built-in notification system of the operating system. The purpose is to notify the user and give information about events that affect the user experience.

Known issues

1. On OS X El Capitan, if the user has enabled “automatically hide and show the menu bar” under System Preferences -> General, the Cisco Proximity icon will become invisible.

Note: Cisco Technical Assistance Center (TAC) does not provide support for the Cisco Proximity applications, as they are free of charge.

Any issues and bug reports linked to the client applications should be posted in the Cisco Support Forums. Cisco representatives are following up on the Intelligent Proximity community. Inquiries about the Intelligent Proximity feature on the endpoint are also applicable.

Please follow this link for support: https://www.cisco.com/go/proximity-support

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References and related documents

The following table lists documents and web sites referenced in this document. All product documentation can be found on our web site.

Name	Document reference
Cisco website	http://www.cisco.com
Cisco CE Software Download	http://www.cisco.com/cisco/software/navigator.html?i=!ch
Cisco Proximity Software Download	https://proximity.cisco.com/
Cisco Proximity Privacy Supplement	http://www.cisco.com/web/siteassets/legal/privacy.html
Cisco Proximity Support Forum	https://www.cisco.com/go/proximity-support
Cisco TelePresence User Documentation	http://www.cisco.com/go/TelePresence/docs

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