



Cisco TelePresence Movi 4.2

Release Notes

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Introduction

These release notes describe feature and capability changes as well as issues resolved in Cisco TelePresence Movi for Windows and Mac OS X since version 4.1.

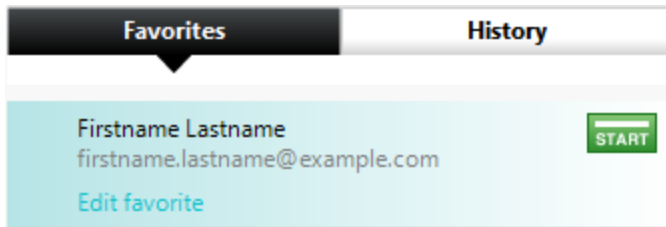
New features and functionality

Updated look and feel

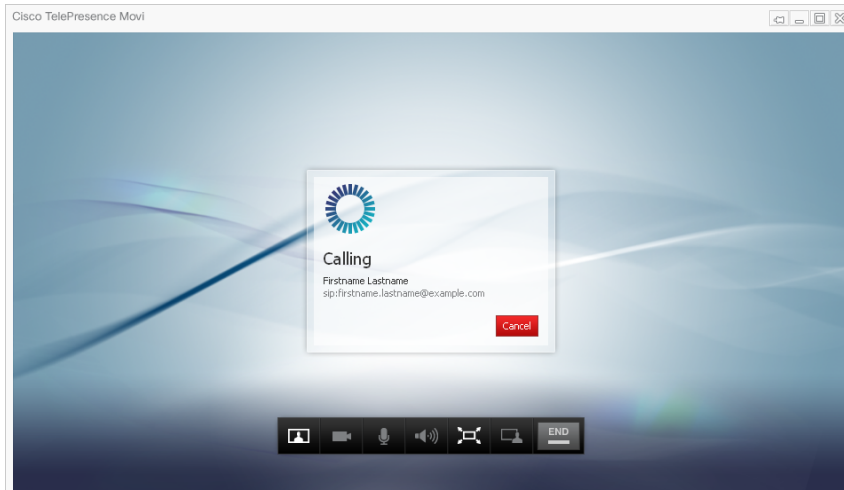
The graphical user interface as well as some feature names have changed to align with other Cisco TelePresence endpoints.

Graphics

The control window of the Windows client has a new design, and new buttons for starting and ending calls have been implemented.



The video window and pop-up toolbar have been redesigned, and a new background animation will be displayed when a call is in progress.



Nomenclature

These familiar features have been given new names:

New name	Previous name
History	Recent calls
Favorites	My contacts
Start	[phone symbol]
End	[phone symbol]

Changes to automatic updates

Automatic updates for Mac OS X

The automatic update feature is now available also for Mac OS X users.

Note: Current versions of Cisco TMS do not support uploading files with the .dmg extension. The Movi installer must therefore either be added to `..\TANDBERG\TMS\wwwTMS\Public\data\SOFTWARE\` using Windows Explorer or hosted on a different server.

New provisioning settings for updates

Note: The provisioning settings for Windows clients have changed to accommodate Mac OS X support. The old settings for download and software version have been deprecated.

The new settings are:

Platform	Download URL setting	Version number setting
Windows	Windows Software URL	Windows Software Version
Mac OS X	OS X Software URL	OS X Software Version

Active Directory authentication with NTLM

Administrators may now set up Movi to authenticate using Active Directory usernames and passwords instead of having special authentication credentials for Movi.

Note: Back-end support for Active Directory integration requires Cisco TelePresence Video Communication Server version X6.1 .

For guidance on deploying NTLM with Movi and Cisco VCS, refer to *Authenticating Devices Cisco TelePresence Deployment Guide*.

Automatic Gain Control (AGC)

In order to provide an optimal sound level to far end users, Cisco TelePresence Movi will now dynamically amplify or attenuate the microphone signal before sending.

Movi will also reduce the microphone level in the system settings by as much as 40% if the current level is determined to be critically high. When the call ends, the system microphone level will be reset to the original state.

Note that no equivalent microphone level adjustment is made if the microphone level is too low— this will still require manual adjustment by the user.

Support for IPv6

Movi 4.2 has the ability to receive and make calls on a IPv6 network.

The **IP Version** and **Public IP Version** provisioning settings support the options:

- *Auto*
- 4 (default)
- 6

WARNING: Do not force Movi to use IPv6 unless all users are permanently on an IPv6 network. Users who sign in over IPv4, for example from a home network, will otherwise be rejected.

Also note that ICE is not supported with IPv6 for Movi. When Movi signs in over an IPv6 connection, ICE will be disabled.

Multiple server connections with SIP outbound

This version of Cisco TelePresence Movi also introduces support for the SIP "outbound" feature, as described in [RFC 5626](#). The feature allows Movi to keep open connections with several servers in a cluster, and failover by transferring automatically to the next server in the cluster should one server go down. Should one connection be lost, Movi will also be reachable from multiple servers.

The provisioning settings for this feature are **Multiple Server Connections** and **Public Multiple Server Connections**, where the "public" setting will inherit its value from the regular setting unless explicitly configured. The default setting is *Off*.

Windows presentation sharing enhancements

- Movi for Windows is now able to share the user's entire screen. Note that this will also share the Movi windows themselves. We recommend minimizing the video window when the entire screen is shared.
- In presentations shared using the Windows client, the mouse pointer/cursor will also be shared.
- PowerPoint 2010 presentations can now be shared on Windows XP without display issues. Full screen/slideshow mode is however not available. Regular slide view/edit mode can be used for sharing.

Resolved caveats

Below are overviews of issues resolved since version 4.1.

Both platforms

These issues were resolved for both clients (Windows and Mac OS X).

Reference ID	Description
	Multiple improvements and corrections to handling of multiple calls (Multiway).
	Improved compatibility with Microsoft Lync.
	Multiple improvements to ICE implementation.
57639	Scrolling using the middle button on Lenovo laptops now works in all Movi windows.
67244	Solved interoperability issues with Microsoft LifeCam VX-5000.
71659	Scrolling using the mouse wheel now works in all Movi windows.
72602	Improvements to MJPEG decoder resolve issues with artifacts in some images.
72783	Adjustments to audio level will now be remembered between calls. However, if the audio level was last set to 0, it will be reset to default (50) when the next call is launched.
79906 86627	Memory leaks resolved.
80106	Resolved issue where presentation sharing from Movi would sometimes cause a conference initiated by Cisco TelePresence MPS to crash.
80436	Correctly escaped ampersand character in SIP info search string element.
81204	To avoid performance and audio glitches, some adjustments have been made to how high CPU usage is handled. If Movi uses too much CPU (more than 89%), the video resolution is now reduced automatically. If the system CPU load is too high (more than 95%, but Movi is using less than 89%), a warning message is displayed.
81568	The application no longer crashes on Windows XP with Logitech B910 or C910 camera and no driver installed.
81794	Resolved issue where presentation would turn black after stopping and resuming presentation several times in calls involving Movi on internal and external network.
82495 86132	Resolved issues with tinny and disappearing audio in some call scenarios.
83896	When detecting a graphics card or driver that is unsupported, usually because it is outdated, Movi will now display a notification and exit instead of crashing.
84640	Solved issue where audio would sometimes disappear in calls between Movi 3.1 and Movi 4.1 and later.
84667	When encryption is set to <i>Auto</i> , Movi will now allow conference encryption to be enabled mid-call.

Reference ID	Description
84844 88283	Solved issue with intermittent audio artifacts and dropouts in some calls.
85135	Resolved issue in duo video/BFCP implementation causing presentation sharing to fail in some Movi to Movi non-interworked calls.
85298 86520	Improved connectivity change detection and handling. Movi will now react faster and log out when there is loss of network.
85304	Resolved issue where in low-bandwidth encrypted calls where packet loss forces Movi to change audio codecs from AAC-LD to G.722.1, the client would stop sending audio.
85771	Solved TCP port selection issue causing presentation sharing to fail in some Movi to MCU conference scenarios.
85815	Solved video display issue with Movi to Movi calls.
86081	The TurnServer provisioning setting in Cisco TMS can now have a DNS name or an IP address as a value.
86493	Improved audio quality, resolved several issues where audio quality degraded during call.
86507	Resolved issue that would lock Movi in mutual hold with endpoints managed by Cisco Unified Communications Manager (CUCM).
86511	The libpme.dll file now has the correct versioning and certificate.
86645	FECC timestamping improvements, solving several issues with lip synchronization.
86677	Made sure incoming call notifications from Movi are always displayed on top regardless of "on top" settings in other applications.
86829	Increased size limit on InternalVCS field in line with support for HTTP URL (previously IP only).
86924	Fixed issue with small, stray UI elements in corner of video window.
87210	Improved implementation of DNS SRV, corrected handling of priority and weight.
87506 87510	Improved ClearPath compatibility with Cisco TelePresence TC software.
87569	Modified default audio behavior. Default level on call start as indicated by the slider is now 80, and volume boost has been increased by 10%. Also solved GUI issue where audio slider did not reflect actual audio setting on call start.
87602	Always include reason code in SIP BYE messages.
87626	Solved issue using DTMF with MPS.
87636	Resolved issue where microphone level would drop when logging level for audio was set to DEBUG.
88053	Correctly detect repeated "Authentication Required" request when initial password provided is wrong. Stop trying to authenticate when authentication fails.
88324	Corrected behavior of OK and Cancel buttons in modal dialogs so that they are not activated when a click is not released.
88579	GLib.dll now reports the correct version number.

Reference ID	Description
88791	Prevented Movi from freezing in some scenarios when losing connection with an audio or video device.
81214	Multiple stability issues resolved.
84926	
86591	
87378	

Mac-specific

Reference ID	Description
83189	Added ability to hide Advanced link in login screen, similar to the HideAdvancedLogin option for the Windows client. To change this setting use: <code>defaults write com.cisco.Movi HideAdvancedLogin -bool YES NO</code>
84392 85326	Mac OS X only: Virtual machine windows that cannot be drawn or shared by Movi will no longer appear as shareable. Resolves issue where the client would sometimes crash when the presentation sharing button was clicked.
85298	Changes to network interface will no longer cause Movi to sign out.
85719	No longer crashing when switching from USB camera to firewire camera as source.
86090	Movi will now log in correctly when no usable phonebook is provisioned. If no phonebook search backend is available, an error message will be displayed when attempting to search.
87424	Mac OS X only: Resolved issue where Movi would sometimes crash when there was a network interface change during a call.
88062	Conference information now supports native scrolling methods.
88412	When incoming NOTIFY contains too much XML, Movi will now answer with 400 Bad Request and allow provisioning to fail. Previous handling would cause the application to display an error dialog and hang.

Windows-specific

Reference ID	Description
69028	The mouse pointer is now included when sharing an application window using presentation sharing.
79603	Made resizing the video window work correctly and consistently from all corners.
86737	Made sure Movi default audio device names are correctly returned from the WASAPI audio API.
86939	Movi is now able to correctly share Microsoft Powerpoint 2010 presentations on Windows XP.
88138	Improved detection of unencrypted RTCP to avoid issues with conferences disconnected by "Call decryption failure".
88553	Corrected error message when phonebook search fails/is disabled.

Open caveats

Reference ID	Description
71834	Due to application-specific support for Windows APIs, not all applications can be shared with Movi at this time. Platforms known to cause presentation sharing issues in Movi include Adobe AIR and GTK+.
79645	Windows XP only: Sharing Internet Explorer 6.0 or 8.0 as a presentation makes the presentation video flash.
79841	Mac OS X 10.5 only: Font corruption can be seen in the video window when running Movi on Mac OS X 10.5 (Leopard).
80749	Mac OS X only: Sometimes when a call is rejected, the caller is not notified, and the ringing signal continues.
85104	Mac OS X only: It is not possible to share full-screen PowerPoint presentations.
85992	When user ends a call while having another call on hold, the presence status erroneously changes to "Online". When the second call is resumed, the status remains "Online".

Interoperability notes

- For optimal performance and reliability, Cisco recommends that all users of the Cisco TelePresence PrecisionHD™ USB Camera ensure that the camera has the latest firmware.
- Using Movi for Mac with the Cisco TelePresence PrecisionHD™ USB camera is recommended. Note that firmware must be version 1.3 or later for Mac OS X support.
- Built-in Apple iSight cameras are supported by Movi for Mac.

Upgrading

The process of upgrading Movi is controlled by the IT administrator through four provisioning options in Cisco TelePresence Management Suite:

- **Windows Software URL** and **OS X Software URL**
- **Windows Software Version.** and **OS X Software Version**

When these two options are correctly configured, users can upgrade their own Movi client by clicking a link in the application, which downloads the setup file for the new version.

This method presents users with a choice to upgrade their Movi client. If you want to make absolutely sure that all clients are upgraded, you can instead opt to use your deployment tool(s) to force the upgrade.

System requirements

Infrastructure requirements

Movi requires the Provisioning option on the Cisco VCS and in Cisco TMS to be enabled.

Product	Version required
Cisco TelePresence Management Suite (Cisco TMS)	12.6 or later
Cisco Video Communication Server (Cisco VCS)	X5.2 or later X6.0 or later for ICE support X6.1 or later for NTLM support

NTLM authentication client requirements

Movi now supports authentication with Active Directory and NTLM. For instructions on deploying NTLM authentication with Movi and Cisco VCS, refer to the *Authenticating Devices Cisco TelePresence Deployment Guide*.

Note that to use Movi for NTLM authentication with Cisco VCS, NTLMv2 must be supported by the client computer.

This requirement is especially important to be aware of if there are older computers and/or Windows XP users in your network.

On the client computer:

1. Go to **My Computer\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa**
2. If the **LmCompatibilityLevel** setting (REG_DWORD) is **1**, set to 2 or higher.
3. Save your changes.

WARNING: With a setting of **1**, authentication will fail for the client, and no warnings or error messages will be received from Cisco VCS, which passes the request on to the Active Directory server.

PC requirements

Processor	A processor supporting SSE3 (such as Pentium 4 Prescott) or better. For business-quality HD video, we recommend using the Cisco PrecisionHD™ USB camera and a 2 GHz Core 2 Duo processor or better.
Memory	512MB RAM or more.
Operating system	<ul style="list-style-type: none"> ■ Windows XP SP2 or later ■ Windows Vista SP1 or later ■ Windows 7
Connection	IP network connection (broadband, LAN, wireless). At least 24 kbps is required for an audio connection. For a video connection, the recommended minimum is 128 kbps.
Graphics card	OpenGL version 1.2 or higher. Hardware support for DirectX 8 or higher.
Sound card	Any standard sound card (full-duplex, 16-bit or better) should work with Movi.

Note: On computers with limited processing power and/or memory, Movi will use a lot of system resources, and reduced performance can be expected.

Mac requirements

Processor	Any Intel processor. For business-quality HD video, Cisco recommends using the Cisco PrecisionHD™ USB camera and a 2 GHz Core 2 Duo processor or better.
Operating system	Mac OS X 10.6 or later is recommended. Ensure that the latest security updates are installed.
Connection	IP network connection (broadband, LAN, wireless). At least 24 kbps is required for an audio connection. For a video connection, the recommended minimum is 128 kbps.

Upgrading to Cisco TelePresence Movi 4.2

The installer will uninstall whichever previous version of Movi is present on the system, and the program file and icons are completely removed. However, all profile folders and files are kept intact on uninstall. Cisco TelePresence Movi 4.2 will then install itself to the path

- Windows Vista and 7: ~\Program Files (x86)\Cisco\
- Windows XP: ~\Program Files\Cisco\
- Mac OS X: ~\Applications\Cisco TelePresence Movi

If upgrading from a version prior to 4.1, the following renaming will be performed when Movi is launched:

- Windows: Existing profile folders and registry settings are renamed from ~\TANDBERG\~ to ~\Cisco\~.
- Mac OS X: The com.tandberg.Movi.plist file is renamed to com.cisco.Movi.plist

Note: Movi 4.2 will also install itself as the operating system's default SIP protocol handler.

Default file locations

Files	Windows location	Mac OS X location
Program file	<ul style="list-style-type: none"> Windows Vista and 7 (64 bit): %Program Files (x86)%\Cisco\ Windows Vista and 7 (32 bit) : %Program Files%\Cisco\ Windows XP: ~\Program Files\Cisco\ 	/Applications/Cisco TelePresence Movi
Favorites and History	%APPDATA%\Cisco\Movi\2.0	~/Library/Application Support/Movi
Log files for debugging purposes	<CSIDL_LOCAL_APPDATA>\Cisco\Movi\2.0\Logs\. The <CSIDL_LOCAL_APPDATA> directory is hidden by default and can be found at <ul style="list-style-type: none"> Windows XP: %USERPROFILE%\Local Settings\Application Data\ Windows Vista and Windows 7: %LOCALAPPDATA% (typically %USERPROFILE%\AppData) 	~/Library/Logs/Movi

On a Windows computer, the Favorites and History are individual to each user logging on to Movi.

On Mac OS X, the Favorites and History are specific to the Mac user account, regardless of which Movi user is logged in.

Downgrading

Downgrading of Movi is not supported. If you wish to revert to an earlier version of Movi:

1. Uninstall the client.
2. Install the desired version of Movi.

Related documents

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

Document title	Document reference
<i>Cisco TelePresence Movi for Windows User Guide</i>	D14409.07
<i>Cisco TelePresence Movi for Mac User Guide</i>	D14733.03
<i>Cisco TelePresence Movi Administrator Guide</i>	D14410.09
<i>Authenticating Devices Cisco TelePresence Deployment Guide</i>	D14819.01
<i>Managing Client-Initiated Connections in the Session Initiation Protocol (SIP)</i> http://tools.ietf.org/html/rfc5626	RFC 5626

Checking for updates and getting help

We recommend registering your product at <http://www.tandberg.com/services/video-conferencing-product-registration.jsp> in order to receive notifications about the latest software and security updates. New feature and maintenance releases are published regularly, and we recommend that your software is always kept up to date.

If you experience any problems when configuring or using the product, consult the documentation at <http://www.tandberg.com/support/video-conferencing-documentation.jsp> for an explanation of how its individual features and settings work. You can also check the support site at <http://www.tandberg.com/support/> to make sure you are running the latest software version.

You or your reseller can also get help from our support team by raising a case at <http://www.tandberg.com/support/>. Make sure you have the following information ready:

- The software build number which can be found in the product user interface (if applicable).
- Your contact email address or telephone number.
- The serial number of the hardware unit (if applicable).

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