TrueConf CallX

1.0

TrueConf SDK for Windows 1.0

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Chapter 1

Namespace Index

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Here is a list of all namespaces with brief descriptions:	
TrueConf_CallXLib	9

2 Namespace Index

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

TrueConf_CallXLib::_ITrueConfCallXEvents	
IDispatch	
ITrueConfCallX	
TrueConf CallXLib::TrueConfCallX	

4 Hierarchical Index

Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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6 Class Index

Chapter 4

File Index

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Here is a list of all files with brief descriptions:	
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8 File Index

Chapter 5

Namespace Documentation

5.1 TrueConf_CallXLib Module Reference

Classes

- interface _ITrueConfCallXEvents
- class TrueConfCallX

Functions

- importlib ("stdole2.tlb")
- 5.1.1 Function Documentation

5.1.1.1 importlib()

Chapter 6

Class Documentation

6.1 TrueConf_CallXLib::_ITrueConfCallXEvents Interface Reference

```
import"TrueConf_CallX.IDL";
```

Public Member Functions

- void OnXNotify ([in] BSTR data)
- void OnXAfterStart ()
- void OnXChangeState ([in] LONG prevState, [in] LONG newState)
- void OnXTerminate ()
- void OnXStartFail ()
- void OnAbookUpdate ([in] BSTR eventDetails)
- void OnAppUpdateAvailable ([in] BSTR eventDetails)
- void OnChangeVideoMatrixReport ([in] BSTR eventDetails)
- · void OnConferenceCreated ([in] BSTR eventDetails)
- · void OnConferenceDeleted ([in] BSTR eventDetails)
- void OnContactBlocked ([in] BSTR eventDetails)
- void OnContactDeleted ([in] BSTR eventDetails)
- void OnContactUnblocked ([in] BSTR eventDetails)
- · void OnHardwareChanged ([in] BSTR eventDetails)
- void OnDetailInfo ([in] BSTR eventDetails)
- void OnDeviceModesDone ([in] BSTR eventDetails)
- void OnInviteReceived ([in] BSTR eventDetails)
- void OnIncomingRequestToPodiumAnswered ([in] BSTR eventDetails)
- void OnInviteRequestSent ([in] BSTR eventDetails)
- void OnInviteSent ([in] BSTR eventDetails)
- void OnLogin ([in] BSTR eventDetails)
- void OnLogout ([in] BSTR eventDetails)
- void OnReceiversInfoUpdated ([in] BSTR eventDetails)
- void OnRecordRequest ([in] BSTR eventDetails)
- void OnRecordRequestReply ([in] BSTR eventDetails)
- void OnRejectReceived ([in] BSTR eventDetails)
- void OnRejectSent ([in] BSTR eventDetails)
- void OnRemarkCountDown ([in] BSTR eventDetails)
- void OnRequestInviteReceived ([in] BSTR eventDetails)
- void OnRoleChanged ([in] BSTR eventDetails)

- void OnSelfSSInfoUpdate ([in] BSTR eventDetails)
- void OnServerConnected ([in] BSTR eventDetails)
- void OnServerDisconnected ([in] BSTR eventDetails)
- void OnSettingsChanged ([in] BSTR eventDetails)
- void OnSlideShowStart ([in] BSTR eventDetails)
- void OnSlideShowStop ([in] BSTR eventDetails)
- void OnStopCalling ([in] BSTR eventDetails)
- void OnUidAboutToBeRemoved ([in] BSTR eventDetails)
- void OnUpdateAvatar ([in] BSTR eventDetails)
- void OnUpdateCameraInfo ([in] BSTR eventDetails)
- void OnUpdateParticipantList ([in] BSTR eventDetails)
- void OnRestrictionsChanged ([in] BSTR eventDetails)
- void OnVideoMatrixChanged ([in] BSTR eventDetails)
- void OnOffHookPressed ([in] BSTR eventDetails)
- void OnHangUpPressed ([in] BSTR eventDetails)
- void OnJabraHookOffPressed ([in] BSTR eventDetails)
- void OnJabraHangUpPressed ([in] BSTR eventDetails)
- void OnXCommandExecution ([in] BSTR cmdName, [in] BSTR allData)
- void OnSlideShowInfoUpdate ([in] BSTR eventDetails)
- void OnStart ()
- void OnXError ([in] LONG errorCode, [in] BSTR errorMsg)
- void OnXLogin ()
- void OnXLoginError ([in] LONG errorCode)

6.1.1 Member Function Documentation

6.1.1.1 OnAbookUpdate()

Address book update notification

Parameters

```
eventDetails - event details in JSON format
```

6.1.1.2 OnAppUpdateAvailable()

Application update available notification

6.1.1.3 OnChangeVideoMatrixReport()

Video matrix change notification

6.1.1.4 OnConferenceCreated()

Call start notification

6.1.1.5 OnConferenceDeleted()

Call end notification

6.1.1.6 OnContactBlocked()

Ban notification

6.1.1.7 OnContactDeleted()

Delete from address book notification

6.1.1.8 OnContactUnblocked()

Unban notification

6.1.1.9 OnDetailInfo()

User detailed info arrival notification

```
6.1.1.10 OnDeviceModesDone()
```

Video pin and mode infrmaton arrival notfication

6.1.1.11 OnHangUpPressed()

Hang up button pressed notification

6.1.1.12 OnHardwareChanged()

Hardware change notification

6.1.1.13 OnlncomingRequestToPodiumAnswered()

Podium request reply notification

6.1.1.14 OnInviteReceived()

Invite notifiction

6.1.1.15 OnInviteRequestSent()

Invite request sent notification

6.1.1.16 OnInviteSent()

Invite sent notification

6.1.1.17 OnJabraHangUpPressed()

6.1.1.18 OnJabraHookOffPressed()

6.1.1.19 OnLogin()

Login notification

6.1.1.20 OnLogout()

Logout notification

6.1.1.21 OnOffHookPressed()

Call button pressed notification

6.1.1.22 OnReceiversInfoUpdated()

Receiver information update notification

6.1.1.23 OnRecordRequest()

Record request notification

```
6.1.1.24 OnRecordRequestReply()
```

Record request reply notificaton

6.1.1.25 OnRejectReceived()

Reject notification

6.1.1.26 OnRejectSent()

Reject sent notification

6.1.1.27 OnRemarkCountDown()

Remark countdown notification

6.1.1.28 OnRequestInviteReceived()

```
\label{thm:conf_callx} \begin{tabular}{ll} void TrueConf_CallxEvents::OnRequestInviteReceived ( \\ [in] BSTR \ eventDetails ) \end{tabular}
```

Request to join to your group conference notification

6.1.1.29 OnRestrictionsChanged()

Restrictions update notification

6.1.1.30 OnRoleChanged()

Role change in conference user list notification

6.1.1.31 OnSelfSSInfoUpdate()

Slideshow information update notificaton

6.1.1.32 OnServerConnected()

Connect to server notification

6.1.1.33 OnServerDisconnected()

Disconnect from server notification

6.1.1.34 OnSettingsChanged()

Settings change notification

6.1.1.35 OnSlideShowInfoUpdate()

Slidesho parameter change

Parameters

```
eventDetails - full notification test in JSON.
```

6.1.1.36 OnSlideShowStart()

Slideshow start notification

```
6.1.1.37 OnSlideShowStop()
void TrueConf_CallXLib::_ITrueConfCallXEvents::OnSlideShowStop (
             [in] BSTR eventDetails )
Slideshow end notification
6.1.1.38 OnStart()
void TrueConf_CallXLib::_ITrueConfCallXEvents::OnStart ( )
Initialization start notification
6.1.1.39 OnStopCalling()
void TrueConf_CallXLib::_ITrueConfCallXEvents::OnStopCalling (
            [in] BSTR eventDetails )
End of P2P call
6.1.1.40 OnUidAboutToBeRemoved()
void TrueConf_CallXLib::_ITrueConfCallXEvents::OnUidAboutToBeRemoved (
             [in] BSTR eventDetails )
6.1.1.41 OnUpdateAvatar()
void TrueConf_CallXLib::_ITrueConfCallXEvents::OnUpdateAvatar (
              [in] BSTR eventDetails )
Avatar update notification
6.1.1.42 OnUpdateCameraInfo()
\verb"void TrueConf_CallXLib::_ITrueConfCallXEvents::OnUpdateCameraInfo (") \\
             [in] BSTR eventDetails )
Camera format change notification
6.1.1.43 OnUpdateParticipantList()
void TrueConf_CallXLib::_ITrueConfCallXEvents::OnUpdateParticipantList (
              [in] BSTR eventDetails )
```

Conference participant list change notification

6.1.1.44 OnVideoMatrixChanged()

Video matrix change notificaton

6.1.1.45 OnXAfterStart()

```
void TrueConf_CallXLib::_ITrueConfCallXEvents::OnXAfterStart ( )
```

Nonitifacton about full CallX initialization

6.1.1.46 OnXChangeState()

State change notification

Parameters

prevState	- previous state
newState	- new state

prevState and newState could have the following values

- 0 none, no server connection and application does not try to connect to server
- · 1 connect, application tries to connect to server
- · 2 login, login required
- 3 normal, application connected and logged in
- · 4 wait, incoming or outgoing call establishment in progress
- 5 conference, application is in call
- · 6 close, call is terminating

6.1.1.47 OnXCommandExecution()

Command execution reply

Parameters

cmdName	- command name
allData	- command reply in JSON format

6.1.1.48 OnXError()

Erro notification

Parameters

errorCode	- integer error code
errorMsg	- error text

6.1.1.49 OnXLogin()

```
void TrueConf_CallXLib::_ITrueConfCallXEvents::OnXLogin ( )
```

Login confirmation

6.1.1.50 OnXLoginError()

Logon error notificaton

Parameters

errorCode

- error code

- 1 answer on CheckUserLoginStatus_Method, if current CID is already authorized at TransportRouter
- 2 answer on CheckUserLoginStatus_Method, if current CID is not authorized at TransportRouter - can try to login
- 3 incorrect password or other problems with DB
- · 4 client shouldn't show error to user (example: incorrect AutoLoginKey)
- · 5 license restriction of online users reached, server cannot login you
- 6 user exist, but he is disabled to use this server
- 7 client should retry login after timeout (value in container or default), due to server busy or other server problems
- 8 user cannot login using this client app (should use other type of client app)

6.1.1.51 OnXNotify()

Component event handler

Parameters

```
data - event data in JSON
```

6.1.1.52 OnXStartFail()

```
void TrueConf_CallXLib::_ITrueConfCallXEvents::OnXStartFail ( )
```

Failed start notification

Possible reasons

- · wrong CallXPath;
- application stopped functioning before full start (OnXAfterStart).

6.1.1.53 OnXTerminate()

```
void TrueConf_CallXLib::_ITrueConfCallXEvents::OnXTerminate ( )
```

Termination notification in this state application could be restartes with XRestart or XRestartForce commands

The documentation for this interface was generated from the following file:

• TrueConf CallX.IDL

6.2 ITrueConfCallX Interface Reference

```
import"TrueConf_CallX.IDL";
```

Inherits IDispatch.

Public Member Functions

- HRESULT XExecuteCommand ([in] BSTR cmd)
- HRESULT XRestart ()
- HRESULT XSelectCamera ([in] BSTR cameraName)
- HRESULT XGetCameraList ([out, retval] BSTR *cameras)
- HRESULT XDeselectCamera ()
- HRESULT XGetMicList ([out, retval] BSTR *microphones)
- HRESULT XGetSpeakerList ([out, retval] BSTR *speakers)
- HRESULT XDeselectMic ()
- HRESULT XDeselectSpeaker ()
- HRESULT XHangUpForAll ()
- HRESULT XSetBackgroundImage ([in] BSTR imgPath)
- HRESULT XCheckForEvent ([in] BSTR notificationData, [in] BSTR eventName, [out, retval] VARIANT_BOOL *eventDetected)
- HRESULT XStartPictureBroadcast ([in] BSTR imgPath)
- HRESULT XStopPictureBroadcast ()
- HRESULT accept ()
- HRESULT acceptPeer ([in] BSTR peerId)
- HRESULT acceptPodiumInvite ()
- HRESULT acceptPodiumRequest ()
- HRESULT activateLicense ([in] BSTR licenseKey)
- HRESULT addContactToAbook ([in] BSTR callId, [in] BSTR displayName)
- HRESULT allowRecord ()
- HRESULT appUpdate ()
- HRESULT call ([in] BSTR peerld)
- HRESULT changeVideoMatrix ([in] BSTR jsonMatrix)
- HRESULT connectToServer ([in] BSTR serverStr)
- HRESULT createConference ([in] BSTR confName, [in] BSTR type, [in] VARIANT_BOOL autoAccept, [in] BSTR users)
- HRESULT forbidRecord ()
- HRESULT extendUidTtl ()
- HRESULT getAbook ()
- HRESULT getAppState ()
- HRESULT getAudioMute ()

- · HRESULT getSelfieBroadcast ()
- HRESULT getDisplayNameByld ([in] BSTR peerld)
- HRESULT getParticipantsList ()
- HRESULT getContactDetails ([in] BSTR peerld)
- HRESULT getHardware ()
- HRESULT getHardwareKey ()
- HRESULT getMaxConfTitleLength ()
- HRESULT getMicMute ()
- HRESULT getMonitorsInfo ()
- HRESULT getIdListRequestInvite ()
- HRESULT getModes ()
- HRESULT getSettings ()
- HRESULT getSystemInfo ()
- HRESULT getVideoMatrix ()
- HRESULT getVideoMute ()
- HRESULT getLicenseType ()
- HRESULT gotoPodium ()
- HRESULT hangUp ()
- HRESULT hangUp2 ([in] VARIANT_BOOL forAll)
- HRESULT inviteToConference ([in] BSTR peerld)
- HRESULT inviteToPodium ([in] BSTR peerld)
- HRESULT removeFromPodium ([in] BSTR peerId)
- HRESULT removePeer ([in] BSTR peerld)
- HRESULT leavePodium ()
- HRESULT login ([in] BSTR login, [in] BSTR password)
- · HRESULT logout ()
- HRESULT ptzRight ()
- HRESULT ptzLeft ()
- HRESULT ptzUp ()
- HRESULT ptzDown ()
- HRESULT ptzZoomIn ()
- HRESULT ptzZoomOut ()
- HRESULT reject ()
- · HRESULT rejectPeer ([in] BSTR peerld)
- HRESULT rejectInvitationToPodium ()
- HRESULT rejectRequestToPodium ()
- HRESULT removeContactFromAbook ([in] BSTR callId)
- HRESULT setAudioMute ([in] VARIANT_BOOL mute)
- HRESULT setSelfieBroadcast ([in] BSTR paramsInJSON)
- HRESULT setHardware ([in] BSTR hardwareInJson)
- HRESULT setMicMute ([in] VARIANT BOOL mute)
- HRESULT setModes ([in] BSTR pin, [in] BSTR mode)
- HRESULT setSettings ([in] BSTR settingsInJson)
- HRESULT setVideoMute ([in] VARIANT_BOOL mute)
- HRESULT shutdown ()
- HRESULT shutdown2 ([in] VARIANT_BOOL forAll)
- HRESULT startScreenCapture ([in] BSTR id)
- HRESULT startAudioRemark ()
- HRESULT stopScreenCapture ()
- HRESULT XSetCameraByIndex ([in] LONG cameraldx)
- HRESULT XGetCameraByIndex ([in] LONG cameraldx, [out, retval] BSTR *cameraName)
- HRESULT XGetCameraCount ([out, retval] LONG *camerasCount)
- HRESULT XSelectMicByIndex ([in] LONG microphoneldx)
- HRESULT XSelectSpeakerByIndex ([in] LONG speakerIdx)
- HRESULT XGetMicByIndex ([in] LONG microphoneldx, [out, retval] BSTR *microphoneName)

- HRESULT XGetSpeakerByIndex ([in] LONG speakerIdx, [out, retval] BSTR *speakerName)
- HRESULT XGetMicCount ([out, retval] LONG *microphonesCount)
- HRESULT XGetSpeakerCount ([out, retval] LONG *speakersCount)
- HRESULT XAddSlide ([in] BSTR imgPath)
- HRESULT XRemoveSlide ([in] LONG imgldx)
- HRESULT startSlideShow ([in] BSTR slideShowName)
- HRESULT showSlide ([in] LONG slideldx)
- HRESULT nextSlide ()
- HRESULT prevSlide ()
- HRESULT firstSlide ()
- HRESULT lastSlide ()
- HRESULT moveSlideUp ([in] LONG slideIdx)
- HRESULT moveSlideDown ([in] LONG slideIdx)
- HRESULT stopSlideShow ()
- HRESULT getSlideShowInfo ()
- HRESULT switchVideoStream ([in] BSTR peerld, [in] VARIANT_BOOL mainCamera)
- HRESULT XAddSlidesDialog ([out, retval] ULONG *errorCode)
- HRESULT XForceRestart ()

Properties

```
BSTR CallXPath [get, set]
BSTR Camera [get, set]
BSTR Microphone [get, set]
BSTR Speaker [get, set]
```

• BSTR XCommandLine [get, set]

6.2.1 Member Function Documentation

```
6.2.1.1 accept()

HRESULT ITrueConfCallX::accept ( )
```

Accept incoming call. Could be executed only when incoming call or group conference invite is in process, ignored otherwise

See also

acceptPeer

6.2.1.2 acceptPeer()

Allow user to join your group conference. Could be executed only when incoming request for joining conference is in process, ignored otherwise. Moderator rights for current conference are required.

Parameters

peer⊷	- TrueConf ID of user
ld	

See also

accept

6.2.1.3 acceptPodiumInvite()

```
HRESULT ITrueConfCallX::acceptPodiumInvite ( )
```

Accept invitation to take podium. Could be executed only when incoming request for taking podium is in process, ignored otherwise.

6.2.1.4 acceptPodiumRequest()

```
HRESULT ITrueConfCallX::acceptPodiumRequest ( )
```

Allow user to take podium. Could be executed only when incoming request from user for taking podium is in process, ignored otherwise. Moderator rights for current conference are required.

6.2.1.5 activateLicense()

Activate license key

Parameters

```
licenseKey - license key
```

6.2.1.6 addContactToAbook()

Add contact to user address book

Parameters

callId	- TrueConf ID of user to add
displayName	- Display Name of added user

6.2.1.7 allowRecord()

```
HRESULT ITrueConfCallX::allowRecord ( )
```

Allow your video/audio stream recording Could be executed only when incoming request on stream recording is in process, ignored otherwise.

See also

denyRecord

6.2.1.8 appUpdate()

```
HRESULT ITrueConfCallX::appUpdate ( )
```

Start application update After successful update conference will be restarted

6.2.1.9 call()

Call user. This command starts p2p call.

Parameters

peer⊷	- user TrueConf ID or alias, or other supported ID types (H323,SIP,RTSP) in correct format.
ld	

See also

reject

6.2.1.10 changeVideoMatrix()

Set videomatrix type and peer plasec Command is available in group conference, ignored otherwise

Parameters

```
| - videomatrix data in JSON format { "matrixType" : 1, "participants" : [ { "slotId" : 1, "peerId" : "jonh@trueconf.com" }, { "slotId" : 2, "peerId" : "ivan@trueconf.com" }, { "slotId" : 3, "participant" : "lee@trueconf.com" } ] }
```

6.2.1.11 connectToServer()

```
HRESULT ITrueConfCallX::connectToServer ( [\texttt{in}] \  \  \texttt{BSTR} \  \  \textit{serverStr} \ )
```

Connect to server

Parameters

serverStr	- specify server IP address or DNS name in format server.name[:port], for example "video.company.com:4307"
	port number is optional, default port number 4307 is used if omitted
	use empty string to connect to TrueConf Online cloud
	use .name to connect to other cloud

See also

OnServerConnected
OnServerDisconnected

6.2.1.12 createConference()

Create conference with specific parametes

Parameters

confName	- conference name	
type	- Conference type. One od	
	• 0 - symmetric	
	• 1 - asymmetric	
	• 2 - role-based	
autoAccept	- allow users to join automatically TrueConf SDK for Windo	ws 1.0
users	- user ID list to invite. TrueConf ID and H323,SIP, RTSP ID's could be used in special format	

6.2.1.13 extendUidTtl()

6.2.1.14 firstSlide()

```
HRESULT ITrueConfCallX::firstSlide ( )
```

HRESULT ITrueConfCallX::extendUidTtl ()

Show first slide Command could be executed only in process of slideshow

6.2.1.15 forbidRecord()

```
HRESULT ITrueConfCallX::forbidRecord ( )
```

Deny recording request of your stream Could be executed only when incoming request on stream recording is in process, ignored otherwise.

6.2.1.16 getAbook()

```
HRESULT ITrueConfCallX::getAbook ( )
```

Send address book request to server

6.2.1.17 getAppState()

```
HRESULT ITrueConfCallX::getAppState ( )
```

Get application state

6.2.1.18 getAudioMute()

```
HRESULT ITrueConfCallX::getAudioMute ( )
```

Get audio mute state

6.2.1.19 getContactDetails()

Get detailed user information

Parameters

peer⊷	- user's TrueConf ID
ld	

6.2.1.20 getDisplayNameByld()

```
\label{eq:hresult} \mbox{ HRESULT ITrueConfCallX::getDisplayNameById (} \\ \mbox{ [in] BSTR } peerId \mbox{ )}
```

Get user display name from TrueConf ID.

Parameters

peer⊷	- user's TrueConf ID
ld	

6.2.1.21 getHardware()

```
HRESULT ITrueConfCallX::getHardware ( )
```

Get hardware list

6.2.1.22 getHardwareKey()

```
HRESULT ITrueConfCallX::getHardwareKey ( )
```

Get unique hardware key for license generation

6.2.1.23 getIdListRequestInvite()

```
HRESULT ITrueConfCallX::getIdListRequestInvite ( )
```

Get list of all users requesting to enter conference

6.2.1.24 getLicenseType()

```
HRESULT ITrueConfCallX::getLicenseType ( )
```

Get current license information

```
6.2.1.25 getMaxConfTitleLength()
HRESULT ITrueConfCallX::getMaxConfTitleLength ( )
Get maximum conference length
6.2.1.26 getMicMute()
HRESULT ITrueConfCallX::getMicMute ( )
Get audio input mute information
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HRESULT ITrueConfCallX::getModes ( )
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6.2.1.29 getParticipantsList()
HRESULT ITrueConfCallX::getParticipantsList ( )
Get conference participants list
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HRESULT ITrueConfCallX::getSelfieBroadcast ( )
6.2.1.31 getSettings()
HRESULT ITrueConfCallX::getSettings ( )
Get settings
6.2.1.32 getSlideShowInfo()
HRESULT ITrueConfCallX::getSlideShowInfo ( )
Get slideshow information
```

```
6.2.1.33 getSystemInfo()
HRESULT ITrueConfCallX::getSystemInfo ( )
Get system information
6.2.1.34 getVideoMatrix()
HRESULT ITrueConfCallX::getVideoMatrix ( )
Get video matirx information
6.2.1.35 getVideoMute()
HRESULT ITrueConfCallX::getVideoMute ( )
Get video mute state
6.2.1.36 gotoPodium()
HRESULT ITrueConfCallX::gotoPodium ( )
Send request to take podium. Moderators take podium automatically
See also
     onRoleEventOccurred
6.2.1.37 hangUp()
HRESULT ITrueConfCallX::hangUp ( )
Leave conference Could be executed only when incoming request on stream recording is in process, ignored oth-
erwise.
See also
     hangUp2
     XHangUpForAll
```

Leave or terminate conference Could be executed only when incoming request on stream recording is in process, ignored otherwise.

6.2.1.38 hangUp2()

HRESULT ITrueConfCallX::hangUp2 (

[in] VARIANT_BOOL forAll)

Parameters

forAll - leave or terminate true - terminate conference for all. Requires moderator rights. false - leave conference

See also

hangUp XHangUpForAll

6.2.1.39 inviteToConference()

Invite user to conference. Requires moderator rights. Could be executed only when incoming request on stream recording is in process, ignored otherwise.

Parameters

```
peer← - user ID
```

6.2.1.40 inviteToPodium()

Invite user to podium. Command is valid for role-based conference only. Requires moderator rights. Could be executed only when incoming request on stream recording is in process, ignored otherwise.

Parameters

peer←	- user ID
ld	

6.2.1.41 lastSlide()

```
HRESULT ITrueConfCallX::lastSlide ( )
```

Show last slide Command could be executed only in process of slideshow

6.2.1.42 leavePodium()

```
HRESULT ITrueConfCallX::leavePodium ( )
```

Leave podium. Command is valid for role-based conference only. Could be executed only when incoming request on stream recording is in process, ignored otherwise.

6.2.1.43 login()

Authorize on server

Parameters

login	- User ID
password	- Use password

See also

logout

6.2.1.44 logout()

```
HRESULT ITrueConfCallX::logout ( )
```

Deauthorize from server

See also

login

6.2.1.45 moveSlideDown()

```
\label{eq:hresult} \begin{split} \text{HRESULT ITrueConfCallX::} moveSlideDown (\\ & [\text{in}] \ \text{LONG} \ slideIdx ) \end{split}
```

Move slide down in list Command could be executed only in process of slideshow

Parameters

slideldx	- slide index to move

6.2.1.46 moveSlideUp()

```
HRESULT ITrueConfCallX::moveSlideUp ( [\texttt{in}] \  \, \texttt{LONG} \  \, \texttt{slideIdx} \,\, )
```

Move slide up in list Command could be executed only in process of slideshow

Parameters

slideldx - slide index to move

6.2.1.47 nextSlide()

```
HRESULT ITrueConfCallX::nextSlide ( )
```

Show next slide Command could be executed only in process of slideshow

6.2.1.48 prevSlide()

```
HRESULT ITrueConfCallX::prevSlide ( )
```

Show previous slide Command could be executed only in process of slideshow

6.2.1.49 ptzDown()

```
HRESULT ITrueConfCallX::ptzDown ( )
```

Turn camera down PTZ camera control

6.2.1.50 ptzLeft()

```
HRESULT ITrueConfCallX::ptzLeft ( )
```

Turn camera left PTZ camera control

6.2.1.51 ptzRight()

```
HRESULT ITrueConfCallX::ptzRight ( )
```

Turn camera right PTZ camera control

```
6.2.1.52 ptzUp()
HRESULT ITrueConfCallX::ptzUp ( )
Turn camera up PTZ camera control
6.2.1.53 ptzZoomln()
HRESULT ITrueConfCallX::ptzZoomIn ( )
Increase camera zoom. PTZ camera control
6.2.1.54 ptzZoomOut()
HRESULT ITrueConfCallX::ptzZoomOut ( )
Decrease camera zoom. PTZ camera control
6.2.1.55 reject()
HRESULT ITrueConfCallX::reject ( )
reject incoming call or conference invite Command could be executed onlye when request is in process/
See also
     accept
6.2.1.56 rejectInvitationToPodium()
HRESULT ITrueConfCallX::rejectInvitationToPodium ( )
reject invitation to take podium
6.2.1.57 rejectPeer()
HRESULT ITrueConfCallX::rejectPeer (
              [in] BSTR peerId )
```

peer⊷	- User ID
ld	

reject request to join conference

6.2.1.58 rejectRequestToPodium()

```
HRESULT ITrueConfCallX::rejectRequestToPodium ( )
```

reject request to take podium

6.2.1.59 removeContactFromAbook()

```
\label{eq:hresult} \begin{split} \text{HRESULT ITrueConfCallX::} removeContactFromAbook ( \\ & \text{[in] BSTR } callId \end{split}) \end{split}
```

Remove user from address book

Parameters

call←	- User ID
ld	

6.2.1.60 removeFromPodium()

Remove user from podium. Command is valid for role-based conference only. Requires moderator rights. Could be executed only when incoming request on stream recording is in process, ignored otherwise.

Parameters

```
peer← - user ID
```

6.2.1.61 removePeer()

Remove user from conference. Requires moderator rights. Could be executed only when incoming request on stream recording is in process, ignored otherwise.

Parameters

peer⊷	- user ID
ld	

```
6.2.1.62 setAudioMute()
HRESULT ITrueConfCallX::setAudioMute (
             [in] VARIANT_BOOL mute )
Mute/unmute audio output
6.2.1.63 setHardware()
HRESULT ITrueConfCallX::setHardware (
              [in] BSTR hardwareInJson )
Set current hardware
6.2.1.64 setMicMute()
HRESULT ITrueConfCallX::setMicMute (
              [in] VARIANT_BOOL mute )
Select audio input mute state
6.2.1.65 setModes()
{\tt HRESULT\ ITrueConfCallX::} {\tt setModes\ (}
              [in] BSTR pin,
              [in] BSTR mode )
Set mode and pin of current camera device
6.2.1.66 setSelfieBroadcast()
HRESULT ITrueConfCallX::setSelfieBroadcast (
              [in] BSTR paramsInJSON )
6.2.1.67 setSettings()
HRESULT ITrueConfCallX::setSettings (
              [in] BSTR settingsInJson )
```

Set application settings

6.2.1.68 setVideoMute()

Mute/unmute video

6.2.1.69 showSlide()

Show slide by index Command could be executed only in process of slideshow

6.2.1.70 shutdown()

```
HRESULT ITrueConfCallX::shutdown ( )
```

Shutdown application

6.2.1.71 shutdown2()

Shutdown application with options

Parameters

```
forAll - if true, terminates conference for all users
```

6.2.1.72 startAudioRemark()

```
HRESULT ITrueConfCallX::startAudioRemark ( )
```

Start remark. Available in role-based conference only. Fails if other user remark is in process. After positive reponse 5 seconds coundown starts onRemarkCountDown will be called each second

See also

onRemarkCountDown

6.2.1.73 startScreenCapture()

Start screen or application sharing

Parameters

```
id - screen or window handle
```

```
6.2.1.74 startSlideShow()
```

Starts slideshow. Slides should be uploaded prevoiusly

Parameters

```
slideShowName - Slideshow name, could be empty
```

See also

stopSlideShow

```
6.2.1.75 stopScreenCapture()
```

```
HRESULT ITrueConfCallX::stopScreenCapture ( )
```

Stop screen or application sharing.

6.2.1.76 stopSlideShow()

```
HRESULT ITrueConfCallX::stopSlideShow ( )
```

Stop slideshow Command could be executed only in process of slideshow

See also

startSlideShow

6.2.1.77 switchVideoStream()

Request video/content stream switch

Parameters

peerld	- user ID
mainCamera	- content flag true - main stream false - content stream

6.2.1.78 XAddSlide()

Adds slide to slideshow

Parameters

```
imgPath - full image path
```

6.2.1.79 XAddSlidesDialog()

Open slide select dialog for slideshow

Returns

returns 0 if ok or error code

6.2.1.80 XCheckForEvent()

Check if event exists Helper function that can check which event was triggered in OnXNotify

Parameters

notificationData	- data passed in OnXNotify
eventName	- event name

```
Returns
```

returns true, if eventName exists in notificationData

```
6.2.1.81 XDeselectCamera()
HRESULT ITrueConfCallX::XDeselectCamera ( )
Do not use camera
6.2.1.82 XDeselectMic()
HRESULT ITrueConfCallX::XDeselectMic ( )
Do not use audio input (microphone)
See also
     Microphone
6.2.1.83 XDeselectSpeaker()
HRESULT ITrueConfCallX::XDeselectSpeaker ( )
Do not use audio output (speaker)
See also
     Speaker
6.2.1.84 XExecuteCommand()
HRESULT ITrueConfCallX::XExecuteCommand (
```

Parameters

cmd - command text

Execute command in text format

[in] BSTR cmd)

6.2.1.85 XForceRestart()

```
HRESULT ITrueConfCallX::XForceRestart ( )
```

Restart terminal options

6.2.1.86 XGetCameraByIndex()

Returns camera name by index

Parameters

```
cameraldx - camera index in list camera indexes start from 0.
```

6.2.1.87 XGetCameraCount()

Returns number of cameras in system

6.2.1.88 XGetCameraList()

Get camera list

Returns

List of camera names that are present in system. Multilite text separated by "\r\n" newline symbols

See also

Camera

6.2.1.89 XGetMicByIndex()

Get audio input name by index

Parameters

See also

Microphone

6.2.1.90 XGetMicCount()

Get audio input devices count in system

See also

Microphone

6.2.1.91 XGetMicList()

Get audio input (microphone) device list

Returns

List of audio input device names that are present in system. Multilite text separated by "\r\n" newline symbols

See also

Microphone

6.2.1.92 XGetSpeakerByIndex()

Get audio output name by index

Parameters

```
speakerldx - audio output device index in list
```

See also

Speaker

```
6.2.1.93 XGetSpeakerCount()
```

Get audio output devices count in system

See also

Speaker

6.2.1.94 XGetSpeakerList()

Get audio output input (speaker) device list

Returns

List of audio output device names that are present in system. Multilite text separated by "\r\n" newline symbols

See also

Speaker

6.2.1.95 XHangUpForAll()

```
HRESULT ITrueConfCallX::XHangUpForAll ( )
```

Terminate conference for all participants. Moderator rights for current conference are required

See also

hangUp hangUp2

6.2.1.96 XRemoveSlide()

Deletes slide from slideshow

Parameters

```
imgldx - slide index in list
```

6.2.1.97 XRestart()

```
HRESULT ITrueConfCallX::XRestart ( )
```

Restarts application window. Sends shutdown command and starts new instance wihtour waiting for answer

See also

XRestartForce

6.2.1.98 XSelectCamera()

Select camera by name

Parameters

```
cameraName - Camera name
```

See also

Camera

6.2.1.99 XSelectMicByIndex()

Select audio input device by index

Parameters

micldx	- audio input device index in list

- audio input will be set to none if audio input with such index does not exist
- indexes start from 0.

See also

Microphone

6.2.1.100 XSelectSpeakerByIndex()

Select audio output device by index

Parameters

speakerldx

- audio output device index in list
 - audio output will be set to none if audio output with such index does not exist
 - · indexes start from 0.

See also

Speaker

6.2.1.101 XSetBackgroundImage()

0 * Set background image for main component window

Parameters

```
imgPath - full path to image file
```

6.2.1.102 XSetCameraByIndex()

Select camera by index

Parameters

- · camera will be set to none if camera with such index does not exist
- cameraldx >= 0.

6.2.1.103 XStartPictureBroadcast()

Initiates picture broadcast in place of video from camera.

Parameters

See also

XStopBroadcastPicture

6.2.1.104 XStopPictureBroadcast()

```
HRESULT ITrueConfCallX::XStopPictureBroadcast ( )
```

Stop picture broadcast, send video from camera

See also

XStartBroadcastPicture

6.2.2 Property Documentation

6.2.2.1 CallXPath

```
BSTR ITrueConfCallX::CallXPath [get], [set]
```

Full path to executable used by TrueConf CallX. Initialized from registry by default. Used when executable is started.

6.2.2.2 Camera

```
BSTR ITrueConfCallX::Camera [get], [set]
```

Get current camera name

6.2.2.3 Microphone

```
BSTR ITrueConfCallX::Microphone [get], [set]
```

Get audio input (microphone) device name

6.2.2.4 Speaker

```
BSTR ITrueConfCallX::Speaker [get], [set]
```

Get audio output (speaker) device name

6.2.2.5 XCommandLine

```
BSTR ITrueConfCallX::XCommandLine [get], [set]
```

Set adiitional application command line options

The documentation for this interface was generated from the following file:

• TrueConf_CallX.IDL

6.3 TrueConf_CallXLib::TrueConfCallX Class Reference

```
import"TrueConf_CallX.IDL";
```

The documentation for this class was generated from the following file:

• TrueConf_CallX.IDL

Chapter 7

File Documentation

7.1 TrueConf_CallX.IDL File Reference

```
#include "olectl.h"
```

Classes

- interface ITrueConfCallX
- $\bullet \ interface \ TrueConf_CallXLib::_ITrueConfCallXEvents\\$
- class TrueConf_CallXLib::TrueConfCallX

Modules

• library TrueConf_CallXLib

Functions

• TrueConf_CallXLib::importlib ("stdole2.tlb")

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