CoCon API Description

Document history

Version	Author	Date	Description
0.01	JV	23/01/2014	Initial version
0.02	DL	12/02/2014	Add commands description
0.03	DL	13/02/2014	Add badge event and delegate event
0.04	DL	07/03/2014	Add user information during microphone state change
1.0	JV	22/05/2014	Finalized the API for CoCon v3.1
1.1	JV	16/06/2014	Added commands for individual voting results
1.2	JV	24/06/2014	Defined the event model and commands
1.3	JV	11/07/2014	Added the "ButtonLED_Event" model
1.4	JV	18/08/2014	Added commands for - Interactive model: Delegate screen control - Start meeting from XML file - Agenda and voting control
1.5	MP	31/10/2014	Added and improved commands in the Meeting_Agenda model
1.6	GL	25/11/2014	Modify SeatTimerPauseResumed name and parameters
1.7	GL	26/12/2014	Added commands for

			- ClearAllDelegatesAndGroups - StartEmptyMeeting - About Audio application commands
1.8	GL	12/01/2015	Added commands for - Initialization
1.9	GL/MP	21/04/2015	Added command for - SetNextButtonLedStatus - SetPriorButtonLedStatus - NextButtonPressedEvent - PriorButtonPressedEvent - Send message to Operator
2.0	GL/MP	04/05/2015	Agenda item ID replaced with sequence number ID is not well readable for user. But Sequence number is string ,It might be "1", "1.1", "1.1.2" Added commands for - RemoveAgendaItemById - DeleteAllAgendaItems - MoveAgendaItem
2.1	GL/MP	21/05/2015	Added commands for Interpretation
4.1	KMA/MP	25/01/2016	Updated with commands for - Interpreter - Intercom - Flexible delegate - Timer
4.5	KMA	28/08/2016	Updated commands for - Room (initialization)
5.0	MP/KMA	03/04/2017	Update API for - Timer setting enabled / disabled - Video application - API for microphone activation type - GetUnitErrorState - GetMatrixNodeStatus - GetCUState - GetNetworkDeviceList
5.1	MP/KMA	12/07/2017	Update API for: - StartEmptyMeeting (With login method as optional) - GetCuIpAddress - SetCuIpAddress - RestartRoomServer - GetAmountOfVotes - NotifyExternalCall - Intercom Parameter name improved. (Request/ Accept /End call) - AddSeat (New API) - RemoveSeat (New API) - AddChannel / EditChannel (add new para : IsRecording)

5.1.1	MP	11/07/2017	- Audio preset commands. (Newly added) - Interpreter Preset API improved with new optional parameter. - Remove unit from room. - SaveAndSendInterpreterPreset - AddDelegatesToMeeting - AddDelegatesToSeats - EditSeat & EditBooth (intercom new field) - Audio API update events (MatrixNodeUpdated; ActiveAudioPresetUpdated; MatrixNodeVolumeUpdated) - API name correction and keep old API for exiting customer.(ActivateNextMicrophone; GetAudioConfigurationDetailById; GetAudioConfigurationDetailByName) - SetMicrophoneSensitivity / MicrophoneSensitivityUpdated - SetDelegateTimer & SetGroupTimer update event added with the correct name.
5.2	MP	12/20/2017	- AddSynoptic - EditSeat (IsChairman) - GetDefaultMicrophoneModeForRoom - SetDefaultMicrophoneModeForRoom - DefaultMicrophoneModeForRoomUpdated - ClearAllMeetingAndDelegateData - AddVotingTemplate
5.3.2	MP	09/10/2018	- ResetDelegateTimer - ResetGlobalDelegateTimer - ResetGroupTimer - ResetGlobalGroupTimer - ChangeDelegateTimer - ChangeGroupTimer - ResendMeetingData - keypad_login_code (notification api)

5.4	MP	05/12/2018	- Updated api
			  1. Voting template with new para " IsUnanimous"
			  2. AddDelegate, EditDelegate, DelegateAdded & Delegateupdated api calls with new Para"MiddleName", "FingerprinterData", "KeypadLoginCode"
			- Newly added api
			  1. SetAudioSoftwareConfigurationById (update notification)
			  2. CurrentAudioSoftwareConfigurationUpdated(update notification)
			  3. GetGeneralVotingResults
			  4. Recording Module
			    i. GetRecordingFilesInfo
			    ii. Startrecording

				iii. Stoprecording
				iv. Getrecordingstate
				5. Wireless Coupling Module
				i. Getwcapinfo
				ii. Getallwcapinfo
				iii. SetWcapCoupledMode
5.4.1	MP	04/17/2019	-	API updated : 1. ClearAllMeetingAndDelegateData with optional parameter "IncludeService=True/False"
6.0	JHO	05/20/2019	-	API updated: CoCon for Plixus no longer supported
6.1	MP / ISA	12/10/2019 22/10/2019	-	Added new api : 1. ServiceRequestEvent 2. GetServiceList 3. GetServiceListbyMeetingId 4. GetServiceState 5. SetServiceRequestState 6. GetVotingAgendaTemplateList 7. GetAgendaDetailById 8. FingerprintEvent 9. RemoveDelegatesFromSeat 10. RemoveAllDelegatesFromSeat - API updated with additional optional parameters 1. SetDelegateScreen/Discussion: "VideoStream=1" Updated & Validated api document for 6.1
6.2	FN	02/01/2020	-	Extended SetNextButtonEnabled and SetPriorButtonEnabled with possibility to apply to all seats (indicating seat number 9999) - Added a note that ButtonLED_Event module is default NOT subscribed.
6.2	FN	22/01/2020		Added a note regarding GetCurrentAudioSoftwareConfigurationInDetails call which only returns the current saved configuration info.
6.3	MP	10/03/2020	-	Newly added API for Interpretation 1. AssignDeskToBooth 2. Unassigndesk 3. UpdateBooth.

6.3.2	MP/FN	18/11/2020	- SetCustomScreenOnSeat/SetCustomScreenOnRoom api extended with fullscreen parameter - GetIndividualVotingResults - Removed the MaxNbRequest parameter as option for microphone mode (no longer supported) - Added documentation for GetActivationType call which was already supported - SetNextButtonLedStatus and SetPriorButtonLedStatus are applied on seat level now
6.3.2	FN	07/01/2021	- Added API call Voting/DeleteVotingTemplate - Added API call Interactive/DisableDelegateScreen
6.3.2 6.3.3	FN	24/02/2021	- Correct parameter of NextButtonPressed and PriorButtonPressed towards seat ID - Added sections which were part of separate application note (enabling of API and best practices) - Updated response of StartEmtpyMeeting - Added notes regarding using API calls to remove delegate from seat (only working in fixed seating mode)
6.3.3	FN	31/03/2021	- Added example for SetCustomScreen - Added API call AddChannels - Updated description of RemoveDelegateFromMeeting API call which is not allowed once delegate has participated in a voting - Removed MaxNrRequest as return value from API call "Get", since not relevant anymore since Core version - Added API call to change delegate and group timer state
6.3.3	FN	20/04/2021	- Added API call GetAllMeetings - Added API call SetSeatPriority - Added API call EditMeetingTitle
6.3.4	FN	30/09/2021	- Added API call ResetScreen - Added comment about Timer event intervals - Updated FingerprintEvent - Added API call GetAuthorityOverview - Added module OperatorCustomization (both API calls as event)
6.3.4b	FN / MP	02/03/2022 17/03/2022	- Limitations for custom buttons and labels - Added API call Disconnect (already present since version 6.3.3) - Fixed API call documentation for SetDefaultMicrophoneModeForRoom - Added API call GetSynoptic - Added optional parameter (**SeatId**) on All **Interactive** api(s) call. - Added Video API:

				o GetVideoInputParts
				o GetVideoOutputParts
				o GetVideoConfigurations
				o GetCurrentVideoConfigurationInDetails
				o ActivateVideoConfigurationById
				o SetVideoStreamProperties
				o AddVideoPartToInputGroup
				o AddVideoPartToOutputGroup
				o RemoveVideoPartFromInputGroup
				o RemoveVideoPartFromOutputGroup
				o SetVideoStreamInputGroup
				o SetVideoStreamOutputGroup
				o SaveActiveVideoConfiguration
				o AddVideoConfiguration
				o RemoveVideoConfiguration
				o GetVideoConfiguration
				o AddVideoInputGroup
				o AddVideoOutputGroup
				o DeleteVideoInputGroup
				o DeleteVideoOutputGroup
6.4	JZ / MP	16/11/2022		- API for Intercom
				o RegisterToSeat
				o GetCallerList
				o RequestConversation
				o AcceptConversation
				o EndConversation
				- GetSeatsloginstatus
6.5	JZ	30/03/2023		- Additional parameter 'AuthorityBadge' for API:
				o AddDelegate
				o EditDelegate
6.6	JZ	27/06/2023		- Added API SetMicLED
6.8	JZ	7/5/2024		- Updated description for StartEmptyMeeting API call
6.9	JZ	24/9/2024		- Updated description of IndividualVotingResults
				- Added API StopPresenceDetection
				- Added API ClearQuorumMessage

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Terminology

Name	Meaning

References

ID	Reference	Version	Name and meaning

1 Introduction & Scope

1.1 Introduction

This document contains the description of the API (Application Programmers' Interface) of the CoCon Room Server. Through this API, CoCon offers two functionalities:

- Publication of events that are happening in the conference room and software;
- External control of the conference room and software.

1.2 Scope

1.2.1 In scope

The current version of the document targets one technology that is used for the API. This is REST (Representational State Transfer) with JSON format.
The general working of this system is described and the commands are defined and shown with examples.

1.2.2 Out of scope

- Other technologies than REST/JSON.
- Other external points of access to the CoCon software and Televic Conference products in general.

1.3 API module compatibility

This table shows which API modules are available in the different systems.

API Module	Cocon for Plixus Core	Plixus Core
Server to Client		
4.2.1 Room		
4.2.1.1 InitializationState	☑	☐
4.2.1.2 UnitStateChanged	☑	☐
4.2.1.3 VolumeChangedForRoom	☑	☑
4.2.1.4 UnitError	☑	☑
4.2.2 Microphone		
4.2.2.1 MicrophoneState	☑	☑
4.2.2.2 MicrophoneMode	☑	☑
4.2.2.3 MicButtonEvent	☑	☑
4.2.2.4 MicrophoneSensitivityUpdated	☑	☐
4.2.2.5 MicStateChangedInRunningMeeting	☑	☐
4.2.3 Meeting_Agenda		
4.2.3.1 MeetingTitleChanged	☑	☐

API Module	Cocon for Plixus Core	Plixus Core
4.2.3.2 MeetingStatus	☑	☐
4.2.3.3 MeetingAgendaChanged	☑	☐
4.2.3.4 Agenda_ItemChanged	☑	☐
4.2.3.5 keypad_login_code	☑	☐
4.2.3.6 FingerprintEvent	☑	☐
4.2.4 Voting		
4.2.4.1 VotingState	☑	☐
4.2.4.2 VotingOutcome	☑	☐
4.2.4.3 GeneralVotingResults	☑	☐
4.2.4.4 IndividualVotingResults	☑	☐
4.2.4.5 VotingTemplateAdded	☑	☐
4.2.5 Timer		
4.2.5.1 MeetingTimerEvent	☑	☐
4.2.5.2 MeetingTimerStateChange	☑	☐
4.2.5.3 DelegateTimerEvent	☑	☐
4.2.5.4 DelegateTimerStateChange	☑	☐
4.2.5.5 GroupTimerEvent	☑	☐
4.2.5.6 GroupTimerStateChange	☑	☐
4.2.5.7 SeatTimerEvent	☑	☐
4.2.5.8 SeatTimerPauseResumed	☑	☐
4.2.5.9 ActiveAgendaItemTimerEvent	☑	☐
4.2.5.10 ActiveAgendaItemTimerPauseResumed	☑	☐
4.2.5.11 VotingTimerEvent	☑	☐
4.2.5.12 VotingTimerPauseResumed	☑	☐
4.2.6 Delegate		
4.2.6.1 BadgeEvent	☑	☐
4.2.6.2 DelegateOnSeat	☑	☐
4.2.6.3 DelegateSeatingUpdated	☑	☐
4.2.6.4 MeetingStartsUserInformation	☑	☐
4.2.6.5 DelegateUpdated	☑	☐
4.2.6.6 DelegateAdded	☑	☐

API Module	Cocon for Plixus Core	Plixus Core
4.2.6.7 DelegateRemoved	☑	☐
4.2.6.8 DelegateSeatingUpdated	☑	☐
4.2.6.9 DelegatesInMeetingUpdated	☑	☐
4.2.7 Interactive		
4.2.7.1 ScreenLockRemoved	☑	☐
4.2.7.2 DelegateScreenSet	☑	☐
4.2.7.3 CustomButtonEvent	☑	☐
4.2.7.4 ServiceRequestEvent	☑	☐
4.2.8 Audio		
4.2.8.1 SetAudioSoftwareConfigurationById	☑	☑
4.2.8.2 CurrentAudioSoftwareConfigurationUpdated	☑	☑
4.2.9 Logging		
4.2.9.1 ConnectionLost_CentralUnit	☑	☐
4.2.9.2 ConnectionLost_Database	☑	☐
4.2.10 ButtonLED_Event		
4.2.10.1 ButtonPressed	☑	☑
4.2.10.2 NextButtonPressed	☑	☑
4.2.10.3 PriorButtonPressed	☑	☑
4.2.11 Interpretation		
4.2.11.1 IMicrophoneStateUpdated	☑	☑
4.2.11.2 IActivatedChannelUpdated	☑	☑
4.2.11.3 SpeakSlowerRequest	☑	☑
4.2.11.4 SpeakSlowerEnded	☑	☑
4.2.11.5 ActivePresetStateChanged	☑	☑
4.2.12 Rocording (AE-R & Plixus Core only)		
4.2.12.1 WcapInfoUpdated	☑	☑
4.2.13 Wireless Coupling		

API Module	Cocon for Plixus Core	Plixus Core
4.2.13.1 WcapInfoUpdated	☑	☑
4.2.13.2 WcapCoupledUpdated	☑	☑
4.2.13.3 AllWcapInfoUpdated	☑	☑
4.2.14 Operator Customization		
4.2.14.1 CustomButtonPressed	☑	☐
4.2.15 Intercom		
4.2.15.1 CallerUnitStateUpdated	☑	☑
4.2.15.2 CallerStateUpdated	☑	☑
4.2.15.3 ConversationRequested	☑	☑
4.2.15.4 ConversationAccepted	☑	☑
4.2.15.5 ConversationEnded	☑	☑
Client to server		
4.3.1 General		
4.3.1.1 Connect	☑	☑
4.3.1.2 Subscribe	☑	☑
4.3.1.3 Unsubcribe	☑	☑
4.3.1.4 Notification	☑	☑
4.3.1.5 ReboothSystem	☑	☐
4.3.2 Room		
4.3.2.1 GetRoomServerName	☑	☐
4.3.2.2 GetActiveRoomInfo	☑	☑
4.3.2.3 GetStatusOfCuAndDbConnection	☑	☐
4.3.2.4 SetInitializationState	☑	☑
4.3.2.5 GetAllUnitsState	☑	☑
4.3.2.6 SetDefaultVolumeForRoom	☑	☑
4.3.2.7 GetDefaultMicrophoneModeForRoom	☑	☑
4.3.2.8 SetDefaultMicrophoneModeForRoom	☑	☑
4.3.2.9 SetVolumeForRoom	☑	☑
4.3.2.10 AddSynoptic	☑	☐
4.3.2.11 GetSynoptic	☑	☐

API Module	Cocon for Plixus Core	Plixus Core
4.3.2.12 GetAllSeats	☑	☑
4.3.2.13 GetBooths	☑	☑
4.3.2.14 EditSeat	☑	☑
4.3.2.15 GetAllUnits	☑	☑
4.3.2.16 SetOperatingMode	☑	☑
4.3.2.17 GetOperatingMode	☑	☑
4.3.2.18 ClearAllMeetingAndDelegateData	☑	☐
4.3.2.19 SetSeatPriority	☑	☐
4.3.3 Microphone		
4.3.3.1 SetState	☑	☑
4.3.3.2 SetMicrophoneMode	☑	☑
4.3.3.3 SetActivationType	☑	☑
4.3.3.4 SetMicrophoneSensitivity	☑	☑
4.3.3.5 Get	☑	☑
4.3.3.6 GetState	☑	☑
4.3.3.7 ClearMicrophoneList	☑	☑
4.3.3.8 GetMicrophoneMode	☑	☑
4.3.3.9 ActivateNextMicrophone	☑	☑
4.3.4 Meeting_Agenda		
4.3.4.1 SetMeetingState	☑	☐
4.3.4.2 StartEmptyMeeting	☑	☐
4.3.4.3 GetMeetingsForToday	☑	☐
4.3.4.4 GetAllMeetingsForDate	☑	☐
4.3.4.5 GetMeetingById	☑	☐
4.3.4.6 SetActiveAgendaItemByDirection	☑	☐
4.3.4.7 SetActiveAgendaItemById	☑	☐
4.3.4.8 GetAgendaItemInformationInRunningMeeting	☑	☐
4.3.4.9 GetAgendaItemInformationInMeetingById	☑	☐
4.3.4.10 GetAgendaItemById	☑	☐
4.3.4.11 StartMeetingViaMeetingTemplate	☑	☐
4.3.4.12 StartMeetingViaXMLimport	☑	☐
4.3.4.13 AddAgendaItem	☑	☐

API Module	Cocon for Plixus Core	Plixus Core
4.3.4.14 GetLoginMethodForMeeting	☑	☐
4.3.4.15 RemoveAgendaItemById	☑	☐
4.3.4.16 DeleteAllAgendaItems	☑	☐
4.3.4.17 MoveAgendaItem	☑	☐
4.3.4.18 EditAgendaItem	☑	☐
4.3.4.19 AddDelegateToMeeting	☑	☐
4.3.4.20 AddDelegatesToMeeting	☑	☐
4.3.4.21 RemoveDelegateFromMeeting	☑	☐
4.3.4.22 GetDelegateSeating	☑	☐
4.3.4.23 AddDelegateToSeat	☑	☐
4.3.4.24 AddDelegatesToSeats	☑	☐
4.3.4.25 RemoveDelegateFromSeat	☑	☐
4.3.4.26 RemoveDelegatesFromSeat	☑	☐
4.3.4.27 RemoveAllDelegatesFromSeat	☑	☐
4.3.4.28 ApplyDelegatesToSystem	☑	☐
4.3.4.28 EndActiveMeeting	☑	☐
4.3.4.30 ResendMeetingData	☑	☐
4.3.4.31 GetVotingAgendaTemplateList	☑	☐
4.3.4.32 GetAgendaDetailById	☑	☐
4.3.4.33 GetAllMeetings	☑	☐
6.3.4.34 EditMeetingTitle	☑	☐
6.3.4.35 GetSeatsloginstatus	☑	☐
4.3.5 Voting		
4.3.5.1 SetVotingState	☑	☐
4.3.5.2 AddInstantVote	☑	☐
4.3.5.3 AddVotingTemplate	☑	☐
4.3.5.4 GetVotingState	☑	☐
4.3.5.5 GetAmountOfVotes	☑	☐
4.3.5.6 GetGeneralVotingResults	☑	☐
4.3.5.7 GetGeneralVotingResults	☑	☐
4.3.6 Timer		
4.3.6.1 Get	☑	☐
4.3.6.2 GetDelegateTimers	☑	☐

API Module	Cocon for Plixus Core	Plixus Core
4.3.6.3 GetSeatTimers	☑	☐
4.3.6.4 GetGroupTimers	☑	☐
4.3.6.5 GetActiveTimers	☑	☐
4.3.6.6 SetDelegateTimer	☑	☐
4.3.6.7 SetGroupTimer	☑	☐
4.3.6.8 SetGlobalDelegateTimer	☑	☐
4.3.6.9 SetGlobalSeatTimer	☑	☐
4.3.6.10 SetGlobalGroupTimer	☑	☐
4.3.6.11 ResetDelegateTimer	☑	☐
4.3.6.12 ResetGlobalDelegateTimer	☑	☐
4.3.6.13 ResetGroupTimer	☑	☐
4.3.6.14 ResetGlobalGroupTimer	☑	☐
4.3.6.15 ChangeDelegateTimer	☑	☐
4.3.6.16 ChangeGroupTimer	☑	☐
4.3.6.17 ChangeDelegateTimerState	☑	☐
4.3.6.18 ChangeGroupTimerState	☑	☐
4.3.7 Delegate		
4.3.7.1 GetDelegatesInMeeting	☑	☐
4.3.7.2 GetDelegatesInCurrentMeeting	☑	☐
4.3.7.3 ClearAllDelegatesAndGroups	☑	☐
4.3.7.4 GetAllDelegates	☑	☐
4.3.7.5 AddDelegate	☑	☐
4.3.7.6 RemoveDelegate	☑	☐
4.3.7.7 EditDelegate	☑	☐
4.3.7.8 ImportDelegatesFromFile	☑	☐
4.3.8 Interactive		
4.3.8.1 SetDelegateScreen	☑	☐
4.3.8.2 RemoveScreenLock	☑	☐
4.3.8.3 SetCustomButtonOnSeat	☑	☐
4.3.8.4 SetCustomButtonOnRoom	☑	☐
4.3.8.5 SetCustomLabelOnSeat	☑	☐
4.3.8.6 SetCustomLabelOnRoom	☑	☐
4.3.8.7 SetCustomScreenOnSeat	☑	☐

API Module	Cocon for Plixus Core	Plixus Core
4.3.8.8 SetCustomScreenOnRoom	☑	☐
4.3.8.9 GetServiceList	☑	☐
4.3.8.10 GetServiceListbyMeetingId	☑	☐
4.3.8.11 SetServiceRequestState	☑	☐
4.3.8.12 GetServiceRequestStates	☑	☐
4.3.8.13 DisableDelegateScreen	☑	☐
4.3.9 Audio		
4.3.9.1 GetCurrentAudioSoftwareConfiguration	☑	☐
4.3.9.2 GetCurrentAudioSoftwareConfigurationInDetails	☑	☐
4.3.9.3 GetAudioSoftwareConfigurations	☑	☐
4.3.9.4 GetAudioGroupsInCurrentConfiguration	☑	☐
4.3.9.5 SetAudioSoftwareConfigurationById	☑	☑
4.3.9.6 SetAudioSoftwareConfigurationByName	☑	☐
4.3.9.7 ChangeMatrixNodeStatus	☑	☑
4.3.9.8 GetMatrixNodeStatus	☑	☑
4.3.9.9 SaveAudioSoftwareConfiguration	☑	☑
4.3.10 Logging		
4.3.10.1 GetCUState	☑	☐
4.3.10.2 GetUnitErrorState	☑	☐
4.3.11 ButtonLED_Event		
4.3.11.1 SetButtonsEnabled	☑	☑
4.3.11.2 SetLED	☑	☑
4.3.11.3 SetNextButtonEnabled	☑	☑
4.3.11.4 SetPriorButtonEnabled	☑	☑
4.3.11.5 SetNextButtonLedStatus	☑	☑
4.3.11.6 SetPriorButtonLedStatus	☑	☑
4.3.11.7 SetMicLED	☑	☐
4.3.12 External		
4.3.12.1 Send message to Operator	☑	☐
4.3.12.2 NotifyExternalCall	☑	☐

API Module	Cocon for Plixus Core	Plixus Core
4.3.13 Interpretation		
4.3.13.1 GetAllBoothsInRoom	☑	☑
4.3.13.2 AddLanguage	☑	☑
4.3.13.3 RemoveLanguage	☑	☑
4.3.13.4 ClearLanguages	☑	☑
4.3.13.5 AddInterpreterPreset	☑	☑
4.3.13.6 DeleteInterpreterPreset	☑	☑
4.3.13.7 ApplyInterpreterPreset	☑	☑
4.3.13.8 GetActiveInterpreterPreset	☑	☑
4.3.13.9 GetAllInterpreterPresets	☑	☑
4.3.13.10 GetAllLanguages	☑	☑
4.3.13.11 GetAllChannels	☑	☑
4.3.13.12 AddChannel	☑	☑
4.3.13.12 AddChannels	☑	☑
4.3.13.13 EditChannel	☑	☑
4.3.13.14 DeleteChannel	☑	☑
4.3.13.15 RemoveAllChannels	☑	☑
4.3.13.16 SetDisplayText	☑	☑
4.3.13.17 SaveInterpreterPresetAs	☑	☑
4.3.13.18 GetAllChannelRealtimeData	☑	☑
4.3.13.19 GetSpeakSlowerRequestList	☑	☑
4.3.13.20 GetInterpreterPresetById	☑	☑
4.3.13.21 AssignDeskToBooth	☑	☑
4.3.13.22 UnassignDesk	☑	☑
4.3.13.23 UpdateBooth	☑	☑
4.3.14 API calls for Configurations		
4.3.14.1 GetCuIpAddress	☑	☐
4.3.14.2 SetCuIpAddress	☑	☐
4.3.14.3 RestartRoomServer	☑	☐
4.3.14.4 GetCoconServerVersion	☑	☐
4.3.15 Recording (AE-R & Plixus Core only)		
4.3.15.1 GetRecordingFilesInfo	☐	☑

API Module	Cocon for Plixus Core	Plixus Core
4.3.15.2 Startrecording	☐	☑
4.3.15.3 Stoprecording	☐	☑
4.3.15.4 Getrecordingstate	☐	☑
4.3.16 Wireless coupling		
4.3.16.1 Getwcapinfo	☑	☑
4.3.16.2 Getallwcapinfo	☑	☑
4.3.16.3 SetWcapCoupledMode	☑	☑
4.3.17 Operator Customization		
4.3.17.1 GetCustomButtons	☑	☐
4.3.17.2 GetCustomLabels	☑	☐
4.3.17.3 SetCustomButton	☑	☐
4.3.17.4 SetCustomLabel	☑	☐
4.3.17.5 SetCustomButtonState	☑	☐
4.3.17.6 SetNumberOfCustomButtons	☑	☐
4.3.17.7 SetNumberOfCustomLabels	☑	☐
4.3.18 Video		
4.3.18.1 GetVideoInputParts	☑	☐
4.3.18.2 GetVideoOutputParts	☑	☐
4.3.18.3 GetVideoConfigurations	☑	☐
4.3.18.4 GetCurrentVideoConfigurationInDetails	☑	☐
4.3.18.5 ActivateVideoConfigurationById	☑	☐
4.3.18.6 SaveActiveVideoConfiguration	☑	☐
4.3.18.7 SetVideoStreamProperties	☑	☐
4.3.18.8 AddVideoPartToInputGroup	☑	☐
4.3.18.9 AddVideoPartToOutputGroup	☑	☐
4.3.18.10 RemoveVideoPartFromInputGroup	☑	☐
4.3.18.11 RemoveVideoPartFromOutputGroup	☑	☐
4.3.18.12 SetVideoStreamInputGroup	☑	☐
4.3.18.13 SetVideoStreamOutputGroup	☑	☐
4.3.18.14 SaveActiveVideoConfiguration	☑	☐
4.3.18.15 AddVideoConfiguration	☑	☐
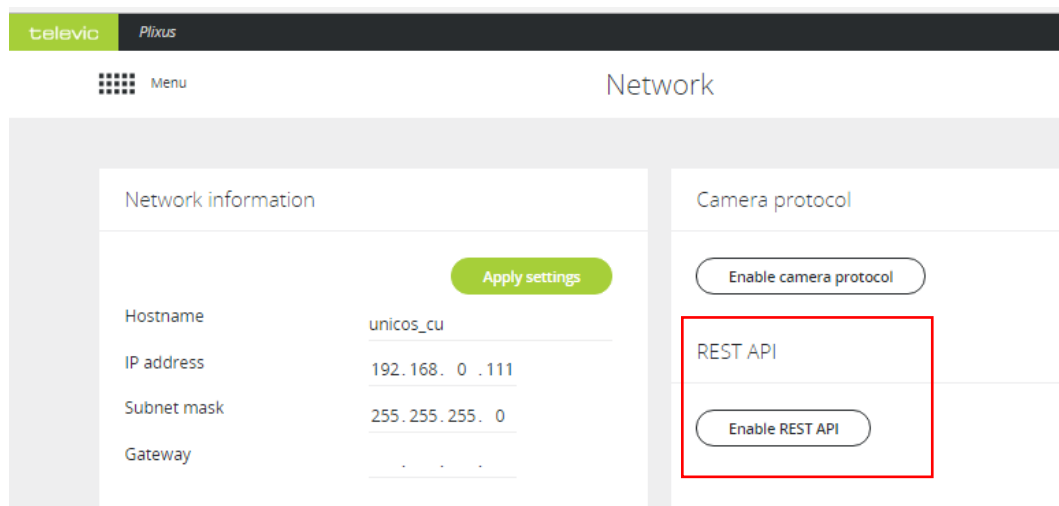
API Module	Cocon for Plixus Core	Plixus Core
4.3.18.16 RemoveVideoConfiguration	☑	☐
4.3.18.17 GetVideoConfiguration	☑	☐
4.3.18.18 AddVideoInputGroup	☑	☐
4.3.18.19 AddVideoOutputGroup	☑	☐
4.3.18.20 DeleteVideoInputGroup	☑	☐
4.3.18.21 DeleteVideoOutputGroup	☑	☐
4.3.19 Intercom		
4.3.19.1 RegisterToSeat	☑	☑
4.3.19.2 GetCallerList	☑	☑
4.3.19.3 RequestConversation	☑	☑
4.3.19.4 AcceptConversation	☑	☑
4.3.19.5 EndConversation	☑	☑

2 How to activate the API

2.1 Plixus Core

Plixus Core REST API can be enabled/disabled via the Plixus Engine webserver > Menu > Network

In that case API connection needs to be made directly to the Plixus Engine ip address – port 8890 and REST API needs to be enabled on the Plixus webserver

2.2 Cocon for Plixus Core

In that case API connection needs to be made to the Cocon server ip address – port 8890 , API needs to be enabled in the Cocon server configuration wizard

3 General communication structure

3.1 Communication format

3.1.1 REST/JSON

The technology being used for the CoCon API is REST (Representational State Transfer) with the JSON (JavaScript Object Notation) used. More information can be found at:
http://en.wikipedia.org/wiki/Representational_state_transfer
http://en.wikipedia.org/wiki/Json

3.1.2 Long polling

Since REST is a framework that does not natively allow to send messages from the server-side to the client-side, the CoCon API uses long polling to make sure that these messages can be sent. This means that a connection between client and server is kept open for a longer period of time. Over this connection, the server can then send information when and if it is available. See also the figure below:
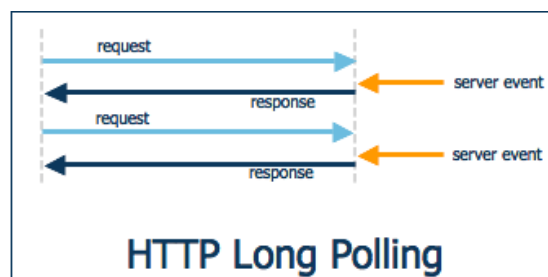
3.2 Communication methods

Different Plixus setups are available. Depending on the Plixus system you have installed different use cases of the API are possible:

- **CoCon for Plixus Core**: this is the CoCon software specifically designed to work with Plixus Core. Also in this case the API will connect to the room server.
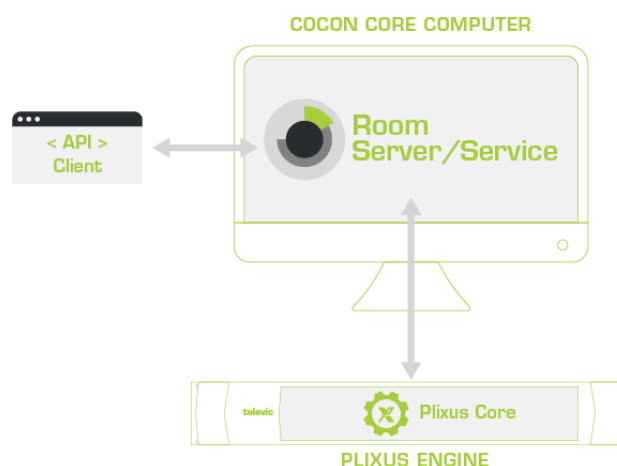
- **Plixus Core**: in this system part of the conference logic resides in the engine (such as initialization and audio settings). Configuration of these features goes through a web server (which navigates to the IP address of the engine). In this case the API connects to the Plixus engine.

COCON CORE COMPUTER

PLIXUS ENGINE
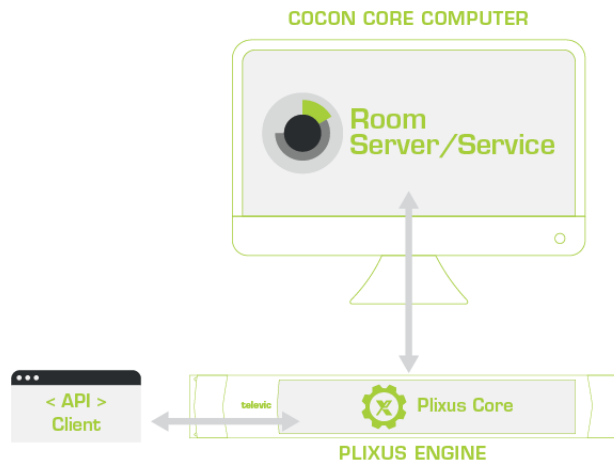
Note:

- The Plixus Core API is a subset of the Cocon Core API. Only a limited set of modules is possible with the Plixus Core API. At the beginning of this document you can find an exhaustive list of all API modules together with the system that supports it.

3.3 Publish/Subscribe

The CoCon API uses a Publish/Subscribe mechanism. This means that external clients who connect to the API can choose of which events they are being informed.
As can be seen below, there are commands contained in the API to subscribe or unsubscribe from each of the "Models". Each model contains a certain set of functionality in relation to the conference room and software. The currently available models are:

- **Room:** This module publish all necessary events for Room Initialization, Volume change, unit state.
- **Microphone**: this includes all events relating to microphone state change (on, off, in request) and changes of the microphone mode.
- **Meeting_Agenda**: this model contains all events with relation to the meeting (start, stop, pause, title change) and the agenda control in the meeting (next, previous, …)
- **Voting**: this model will publish all information with regard to voting. This can be voting start, stop, pause, resume as well as individual and global voting results (if and when available).
- **Timer**: this model will publish all information about timers
- **Delegate**: this model contains all information about delegates in the meeting: detailed information, badge events,
- **Interactive:** this model allows controlling interactive meeting sessions. This is only applicable for the Televic uniCOS (PlixUs) CU and system.
- **Audio :** N/A
- **Logging:** This model will publish all status of connection between CoCon server and Database, Broken unit status and CU status.
- **ButtonLED_Event**: this model allows to listen to button events on the delegate units and set LEDs accordingly.
  Some remarks specifically for this model:
  - The order to use the commands is typically the following:
    - "SetButtonsEnabled" to enable one or more buttons (section 4.3.11.1).
    - Listen to the events "ButtonPressed", which mean that a button was pressed on a unit (section 4.2.10.1).
    - Control the LEDs on the unit using the command "SetLED" (section 0).
  - **Note that CoCon does not guarantee that button events will always be sent out or set LEDs always responded upon. This is because in certain phases of operation (most notably voting sessions), the buttons and LEDs are used by CoCon for voting functionality.**

- When a voting session is active, the buttons and LEDs are controlled by CoCon, and cannot be controlled externally by the API. This means that the ButtonLED_Event commands and events can only be used or listened to if the VotingState is equal to "Clear". See section **Error! R eference source not found.** For the notification of this state to the API client.
- When the voting session is ended, the buttons that were enabled before the voting session, by the ButtonLED_Event commands, are again enabled. However, the LED state is not restored. Keeping track of LED-state and re-setting this state is the responsibility of the API client.
- The functionality of this model depends heavily on the type of CU (Central Unit) and/or DU (Delegate Unit) to which CoCon is connected.
- **External:** This module send event for special button pressed by chairmen units.
- **Interpretation:** This module sent all the necessary events related to Interpretation.
- **Intercom:** This module sends the events related to Intercom communication.

Note the following:

- Upon connection, clients are by default subscribed to almost ALL models. If some information is not useful for the client in question, he can send commands to unsubscribe from certain of these models (see below for the Unsubscribe command).
- Default events for module "ButtonLED_Event" will NOT be received, since these events are 'blacklisted'. One will need to explicit subscribe to the "ButtonLED_Event" module.
- Clients can send commands to the CoCon API, independently from the models to which they are described. This means for example: a client who is NOT subscribed to the Microphone model CAN send a command to turn on a microphone, but will NOT be notified that the microphone has been turned.
  This means that the API client needs to judiciously select the models to which it will subscribe and unsubscribe.
- Notification api call time-out :
  - Response type 408 (intended to indicate time-outs)
  - Time-out time of 30sec
  - Response message : "Notification request timeout"
- Invalid notification (invalid id or id which has expired) :
  - Response type 400 (bad request) for expired or invalid id
  - Make clinet id expired if ther is no request of get notification in 180sec.
  - Response message
    - in case of expired session: "{"Notification" : "Error 400"}"
    - in case of invalid id: "{"Notification" : "Error 400"}"

3.4 Setting up and operating the CoCon API connection

3.4.1 General

The CoCon API connection consists of a number of URI's (Uniform Resource Identifier) which are exchanged between the API client and the CoCon Server over a TCP/IP-connection.

In this document, it is assumed that the API Client and the CoCon Room Server are running on the same computer. This means that the URI's are using "localhost" as the target machine of the API-calls. Of course, if the CoCon Room Server is running on another machine and you are connecting to this machine, then you have to exchange "localhost" to the IP address or host name of the target machine.

Basically, the CoCon API uses two (or more) parallel HTTP-connections. These are the following:

- A "notification" connection that the client and Server keep open in case any information need to be transferred from the Server to the client.
- Any other connection that is used to transfer information from the client to the Server.

The notification connection should be initialized by the client, and is kept open by both sides. Then one of two things can happen:

- The Server has information to send to the client and uses the notification connection for this. The information is transferred and the connection is closed (as per the HTTP standard). After this, the client **needs to create a new notification connection**. The Server will guarantee that no information is lost during this short period where the client has no connection to the Server.
  Note that the new notification connection needs to be created within 60 seconds. If this does not happen, the Server will discard the client data.
- The HTTP-connection times out before the Server has any information to send to the client. At this point, the client **needs to create a new notification connection**. Again, the Server will guarantee that no information is lost.

3.4.2 REST/JSON Example

This section contains an example of the creation and operation of the API connection to the CoCon Server using the REST/JSON format.

The first URI that has to be sent to the CoCon API is the Connect URI:

http://localhost:8890/CoCon/Connect

As a reply, the following JSON string will be sent back:

"{"Connect":true,"id":"3f5b8afe-6efb-4428-8762-e39d42a0762d"}"

The first parameter indicates that the connection has succeeded; the second parameter is the Id of this connection that has to be used when opening the notification connection. In order to open this notification connection, the following URI has to be sent to the Server:

http://localhost:8890/CoCon/Notification/id=3f5b8afe-6efb-4428-8762-e39d42a0762d

Now the notification connection is open and the Server can send updates to the client. This can for example be the following:

{"MicrophoneMode": {"Mode" :":"Operator" ; "MaxNrActive" : <MaxActiveMicNumber> }}

This is an update of the Microphone Mode that is currently being used in the conference software and room. As discussed above, the CoCon Server will send all applicable updates to the API clients that are subscribed to the model that the event falls under. By default, clients are subscribed to all models. Unsubscribing can be done by sending the following URI over the API:

http://localhost:8890/CoCon/Unsubscribe/?Model=Logging&id=3f5b8afe-6efb-4428-8762-e39d42a0762d

This URI unsubscribes the current client from the Logging model. From this point onwards, no more events from the specified model will be sent to this API client.

When a microphone is activated, the following information will be sent over the notification connection:

{"MicrophoneState":{"Speakers":[1,5];"Requests":[7]}}

…which indicates that the microphones on seats 1 and 5 are on, and that the microphone on seat 7 is in request. After receiving this information, the client must re-open the notification connection.

The other way around, if the API client wants to activate a microphone, the following URI must be sent to the CoCon Server:

http://localhost:8890/CoCon/Microphone/SetState/?State=On&SeatNr=9

…to turn on the microphone on seat 9.

3.4.3 Server return values

Over-all feedback from the CoCon during the 3rd party API communication.

Command request based on integer data type:
>> 0: Command received successfully to CoCon server and handle.
>> 1: Command sends from 3rd party with in-correct parameter value / parameter list.
>> -1: Command received correctly on CoCon server but exception happen due to the abnormal value send by user.

Command request based on the string data type:
Server returns data when command successful handled.
Server returns hint information for the unhandled command.

4   Operational commands

This chapter contains the description of all commands making up the API. Note that the format has been kept general.

4.1 Data models

These models will be used to exchange information from and to the CoCon API.

4.1.1.1   AuthorityAssigned

This represents authority present voted, and register in the voting
Properties:

Name	Description	Type
Present	The number of authorities that present in the voting	int
Voted	The number of authorities that voted in the voting	int
Register	The number of authorities that Register in the voting	int

4.1.1.2   Meeting

Data model that represents meeting object
Properties:

Name	Description	Type
Id	The id of the meeting	int
Title	The title of the meeting	string
Description	The description of the meeting	string
StartTime	The start time of the meeting	string
State	The state of the meeting Paused; Running; Ended	string

4.1.1.3   VotingCountWeight

Data model that represents the voting count and weight pair

Name	Description	Type
Count	The count of the voting	int
Weight	The weight of the voting	double

4.1.1.4   VotingOption

Data model that represents the voting option

Name	Description	Type
Id	The id of the voting option	int

Name	The name of the option	string
Color	The color of the voting option	string

4.1.1.5 VotingOptionVoteDetail

Data model that represents the votingCountWeight of the voting option

Name	Description	Type
Option	The related voting option	VotingOption
OptionVoted	The voted count and weight of the option	VotingCountWeight

4.1.1.6 VotingResultSummary

Data model that represents the summary result of the voting

Name	Description	Type
Total	The total voting count and weight	VotingCountWeight
Voted	The voted voting count and weight	VotingCountWeight
NotVoted	The not voted voting count and weight	VotingCountWeight
Options	Each voting option count and weight	VotingOptionVoteDetail
AuthorityAssigned	The authority used in the voting	AuthorityAssigned

4.1.1.7 IndividualVote

Data model that represents the summary result of the voting

Name	Description	Type
DelegateID	The ID of the delegate that has cast the vote	int
VotingOptionID	The ID of the voting option for which the vote was cast (Note: value 0 indicates that delegate has cast vote but the vote is not seen by user)	int (single selection) Array of int (multiple selection)

4.1.1.8 Timer

Data model that represents the timer

Name	Description	Type
TotalTime	The total time (hh:mm:ss)	string
TimeUsed	Used time (hh:mm:ss)	string
CountingDown	Show counting down or up in CoCon	bool
WarningTime	Warning time in CoCon (hh:mm:ss)	string
enabled	Set enabled or disabled timer	bool

4.1.1.9 BaseObjectTimer

Data model that represents the object's timer

Name	Description	Type
Timer	The timer of the object	Timer

4.1.1.10 DelegateTimer : BaseObjectTimer
Data model that represents the delegate's timer

Name	Description	Type
DelegateId	The delegate's Id	int

4.1.1.11 GroupTimer : BaseObjectTimer
Data model that represents the group's timer

Name	Description	Type
GroupId	The delegate's Id	int

4.1.1.12 SeatTimer : BaseObjectTimer
Data model that represents the timer of the seat

Name	Description	Type
SeatNr	The number of the seat	int

4.1.1.13 Delegate
Data model that represents the delegate

Name	Description	Type
Id	The id of the delegate	int
FirstName	The first name of the delegate	string
Name	The name of the delegate	string
Street	The street that the delegate lives	string
StreetNumber	The street number of that street	int
PostCode	The post code of the delegate that he lives	string
City	The city that the delegate lives	string
Country	The country that the delegate lives	string
Title	The title of the delegate	string
BirthDate	The birth date of the delegate	string (format yyyy-MM-dd)
District	The district of the delegate lives	string
Biography	The delegate's biography	string
Groups	The groups of the delegate	An array of Group

4.1.1.14 Group
Data model that represents the group

Name	Description	Type
Id	The id of the group	int
Name	The name of the group	string

4.1.1.15 AgendaItem
Data model that represents the agenda item

Name	Description	Type
Id	The id of the Agenda item	string
Title	The title of the agenda item	string
Description	The description of the agenda item	string
Type	The type of the agenda item VotingAgendaItem LecturerAgendaItem AgendaItem	string
State	The state of the agenda item	string
Children	The Children agenda item of this agenda item	List<AgendaItem>

4.1.1.16 VotingAgendaItem:AgendaItem
Data model that represent the voting agenda item

Name	Description	Type
VotingOptions	The voting options	List<VotingOption>

4.1.1.17 LecturerAgendaItem:AgendaItem
Data model that represent the lecturer agenda item

Name	Description	Type
Lectures	The lecturers of this item	List<Delegate>

4.1.1.18 AudioGroup
Data model that represent Audio group which contains routing input group and routing output group.

Name	Description	Type
Id	The Id of the audio group	int
Type	The type of the audio group(input/output)	string
Name	The name of the audio group	string

4.1.1.19 AudioMatrixNode
Data model that represent Audio matrix node.

Name	Description	Type
InputGroupName	The name of the routing input group	string
OutputGroupName	The name of the routing output group	string
MixValue	The mix value of the matrix node(-100~0)	int
Status	The status of the matrix node(enable or not)	bool
BackupStatus	The backup status of the matrix node(enable or not)	bool

4.1.1.20 AudioSoftwareConfiguration

Data model that represent Audio software configuration basic information.

Name	Description	Type
Id	The Id of the audio software configuration	int
Name	The name of the audio software configuration	string

4.1.1.21 AudioSoftwareConfigurationDetailed

Data model that represent Audio software configuration detail information.

Name	Description	Type
Id	The Id of the audio software configuration	int
Name	The name of the audio software configuration	string
AudioMatrixNodes	All the audio matrix nodes	List< AudioMatrixNode>
AudioGroups	All the audio groups	List< AudioGroup>

4.1.1.22 ScreenControlOptions

Properties: None (the inheriting objects will specify the necessary properties).

4.1.1.23 HomeControl : ScreenControlOptions

Properties: None

4.1.1.24 DiscussionControl : ScreenControlOptions

Properties:

Name	Description	Type
video	Set video viewing mode 0: disabled; no video shown 1: normal 2: full screen	int

4.1.1.25 AgendaControl : ScreenControlOptions

Properties:

Name	Description	Type
select	Select and show active agenda item	bool

4.1.1.26 DelegatesControl : ScreenControlOptions

Properties: None

4.1.1.27 VotingControl : ScreenControlOptions

Properties:

Name	Description	Type
res	Show voting results	bool
graph	Show voting graph	bool

4.1.1.28 DocumentsControl : ScreenControlOptions

Properties:

Name	Description	Type
doc	Id of the document to select	string
lck	Lock the document (no selection)	bool
page	Page number to be scrolled to	int
docfs	Show the document fullscreen	bool

4.1.1.29 MessagesControl : ScreenControlOptions

Properties: None

4.1.1.30 ServicesControl : ScreenControlOptions

Properties: None

4.1.1.31 ConfigurationControl : ScreenControlOptions

Properties: None

4.1.1.32 Unit
Data model that represent unit(like: microphone unit, vote unit,etc)

Name	Description	Type
RoomId	The Id of the room	int
SystemUnitId	The Id of the unit	int
SerialNumber	The serial number of the unit	string
UnitCapabilitiesInfo	The capabilities information of the unit	string
WirelessCapability	If the unit has the wireless capability	bool
VersionInfo	The version of the unit	string

4.1.1.33 Channel

Name	Description	Type
Id	The Id of the preset	int
Order	The order of the channel	int
Language	The language name	string
AudioRouting	Set audio routing for the channel. Plixus Core & CoCon For Plixus Core: 'comma-separated-booth-numbers', Disabled, External, EmptyBooth	string
DisplayText	The text will be displayed	string
AutoFloor	The channel is auto floor	bool
BackupChannel	The backup channel name	String
IsRecording	Channel recording or not. Optional parameter.	bool

4.1.1.34 InterpreterPreset

Name	Description	Type
Id	The Id of the interpreter preset	int
Name	The name of the interpreter preset	string
Description	The description of the interpreter preset	string
DeskMode	The mode between desks	int
BoothMode	The mode between booths	int
State	The state of the interpreter preset	string

4.1.1.35 DeskUnitInChannel

Name	Description	Type
Name	The name of the desk unit	string
ActiveChannel	The index of the active channel	int

4.1.1.36 ChannelRealtimeData

Name	Description	Type
Order	The order of the channel	int
Language	The name of the language	string
Booth	The name of the booth	string
Desks	The list of the desks in the channel	List<IDeskUnitInChannel>
Relay	The relay of the channel	string
Quality	The quality of the channel	int

4.2 Server to client

This section describes all commands that the CoCon Server will send to the API clients, notifying them of any events that have happened in the conference software or room.

As discussed above, the functionality is divided into models. Each model will be discussed in a separate section below. The first section is a general section.

4.2.1 Room

4.2.1.1 InitializationState

API Module	Cocon for Plixus Core	Plixus Core
InitialisationState	☑	☐

This command is sent when Initialization state changes. The initialization states are:
- Start
- Stop
- Retrieve
- Auto
- Reset

Name: InitialisationState
REST/JON Example:
{"InitialisationState":"AUTO"}
(Note: uppercase letters will be used on return)

4.2.1.2 UnitStateChanged

API Module	Cocon for Plixus Core	Plixus Core
UnitStateChanged	☑	☐

This notification is sent when a unit's online state changes, i.e. if it goes offline of comes online again.

Parameters:

Name	Description	Type
UnitId	The id of the unit	int
State	The new state of the unit 0: offline 1: online	<0/1>

Example:
Wired unit's notification :
{"UnitStateChanged":{"Id":9,"State":0}}

Wireless unit's notification :
{"UnitStateChanged":{"Id":6,"State":0,"BatteryState":1448,"Snr":0,"PacketLoss":3}}

4.2.1.3 VolumeChangedForRoom

API Module	Cocon for Plixus Core	Plixus Core
VolumeChangedForRoom	☑	☑

This notification will send once default volume changed in room.

Parameters:

Name	Description	Type
Id	Connected room id	int
Volume	Volume of the room	int

REST/JON Example:
{"VolumeChangedForRoom":{"Id":1,"volume":24}}

4.2.1.4 UnitError

API Module	Cocon for Plixus Core	Plixus Core
UnitError	☑	☑

This notification will send out once the unit erro happen.

Parameters:

Name	Description	Type
State	State of the unit	string
UnitId	UnitId	int

REST/JON Example:
{"UnitError":{"State":"Error","UnitId":6}}

4.2.2 Microphone

4.2.2.1 MicrophoneState

API Module	Cocon for Plixus Core	Plixus Core
MicrophoneState	☑	☑

This command is sent every time the state of a microphone changes. The different options of a microphone state are:
- On = Speakers
- In Request = Requests
- Off

As indicated, the seat-numbers of the microphones that are On are contained in the "Speakers" array. The seat-numbers of the microphones that are In Request are contained in the second parameter.

Name: MicrophoneState

Parameters:

Name	Description	Type

Speakers	An array of the seatNrs of all currently active microphones	Array of integers
Requests	An array of the seatNrs of all the microphones that are currently in request	Array of integers
Replies	An array of the seatNrs of all the microphones that are currently in replies	Array of integers

REST/JON Example:
{"MicrophoneState":{"Speakers":[6],"Requests":[],"Replies":[]}}

4.2.2.2 MicrophoneMode

API Module	Cocon for Plixus Core	Plixus Core
MicrophoneMode	☑	☑

This command is sent every time the microphone mode changes.

Name: MicrophoneMode

Parameters:

Name	Description	Type
Mode	The Microphone mode. Values: Operator DirectSpeak Request Vox OnlyRequest	string
MaxNrActive	The maximum number of microphones active at the same time	int
AllowRequest	bool indicating whether the delegates are allowed to request. Not applicable for all modes. Optional	bool
AllowCancelRequest	bool indicating whether the delegates are allowed to cancel their request. Not applicable for all modes. Optional	bool
FIFO	bool indicating whether the FIFO mode is active Not applicable for all modes. Optional	bool
AllowSwitchOffMic	Bool indicating whether the delegate are allowed to switch off their mic or not.	bool
ReplyRequest	Indicating that the ReplyRequest (Replik) function is enabled or not on Server.	bool

REST/JON Example:
{"MicrophoneMode":{"Mode":"OnlyRequest","MaxNrActive":4,"AllowRequest":true,"AllowCancelRequest":false,"FIFO":false,"ActivationType":"Toggle","AllowSwitchOffMic":True,"ReplyRequest":false}}

4.2.2.3 MicButtonEvent

API Module	Cocon for Plixus Core	Plixus Core
MicButtonEvent	☑	☑

This event is sent every time a microphone button is pushed. It contains information about the seat that has generated the event.

Name: MicButtonEvent

Parameters:

Name	Description	Type
SeatNr	The number of the seat	int
Event	The button event (up or down)	string

REST/JON Example:
{"MicButtonEvent":{"SeatNr":2,"Event":"up"}}

4.2.2.4 MicrophoneSensitivityUpdated

API Module	Cocon for Plixus Core	Plixus Core
MicrophoneSensitivityUpdated	☑	☐

This event notification for the seat (Microphone) sensitivity changed or updated.

Name: MicrophoneSensitivityUpdated

Parameters:

Name	Description	Type
SeatId	The number of the seat	int
Sensitivity	Value of the sensitivity Range of value +12 to -12 Ex. (12,11,10,9…-10,-11,-12)	int

REST/JON Example:
{"MicrophoneSensitivityUpdated":{"SeatId":1,"Sensitivity":-6}}

4.2.2.5 MicStateChangedInRunningMeeting

API Module	Cocon for Plixus Core	Plixus Core
MicStateChangedInRunningMeeting	☑	☐

This event notification for the delegate on seat (Microphone) updated.

Name: MicStateChangedInRunningMeeting

REST/JON Example:

{"MicStateChangedInRunningMeeting":{"SeatNr":1,"State":"On","User":{"Id":463,"FirstName":"Marcel","Name":"Ackermann","MiddleName":null,"Street":"Route Principale 11c","StreetNumber":0,"PostCode":"2803","City":"Bourrignon","Country":"","Title":"Député","BirthDate":"","District":"","Biography":"","Groups":[{"Id":21,"Name":"PDC"}],"SeatNumber":1,"BadgeNumber":"14EFB4E2","FingerprinterData":"","KeypadLoginCode":""}}}

4.2.3 Meeting_Agenda

4.2.3.1 MeetingTitleChanged

API Module	Cocon for Plixus Core	Plixus Core
MeetingTitleChanged	☑	☐

This command is sent every time the active meeting title changed.

Name: MeetingTitleChanged

Parameters:

Name	Description	Type
MeetingId	ID of the meeting	int
NewTitle	The new meeting title	string

REST/JON Example:

{"MeetingTitleChanged":{"Title":"2/11/2014 new Meeting"}}

4.2.3.2 MeetingStatus

API Module	Cocon for Plixus Core	Plixus Core
MeetingStatus	☑	☐

This command is sent every time the state of current active meeting changed.

Name: MeetingStatus

Parameters:

Name	Description	Type
MeetingId	The id of the meeting	int
State	The state of the meeting include: Paused; Running; Ended	string

REST/JSON Example:

{"MeetingStatus":{"MeetingId":14,"State":"Paused"}}
{"MeetingStatus":{"MeetingId":14,"State":"Running"}}
{"MeetingStatus":{"MeetingId":14,"State":"Ended"}}

4.2.3.3 MeetingAgendaChanged

API Module	Cocon for Plixus Core	Plixus Core
MeetingAgendaChanged	☑	☐

This notification is sent out when the agenda has changed, i.e. when an agenda item is added, removed, edited or moved. It is NOT sent when the active agenda item changes, since there is already another API command for that (Agenda_ItemChanged).
The API client that is interested in the changes in the agenda, can get the entire agenda with GetAgendaItemInformationInRunningMeeting

Parameters:

Name	Description	Type
MeetingId	The id of the meeting	int

REST/JSON Example:
{"MeetingAgendaChanged":{"MeetingId":9}}

4.2.3.4 Agenda_ItemChanged

API Module	Cocon for Plixus Core	Plixus Core
Agenda_ItemChanged	☑	☐

This command is sent every time the state of an agenda item changes.

Name: Agenda_ItemChanged

Parameters:

Name	Description	Type
MeetingId	The id of the meeting	int
Agenda_ItemChanged	The changed agenda item	AgendaItem
IdInDb	In CoCon DB Agenda ID	int

REST/JON Example:
{"MeetingId":74,"Agenda_ItemChanged":{"Id":"4","Title":"","Description":"","Type":"VotingAgendaItem","State":"ended","VotingOptions":[{"Id":397,"Name":"1","Color":"#FF006400"},{"Id":398,"Name":"2","Color":"#FF008000"},{"Id":399,"Name":"3","Color":"#FFFFFF00"},{"Id":400,"Name":"4","Color":"#FFFF0000"},{"Id":401,"Name":"5","Color":"#FF8B0000"}],"Children":[],"IdInDb":131}}

4.2.3.5 Keypad_login_code

API Module	Cocon for Plixus Core	Plixus Core
keypad_login_code	☑	☐

This command is sent from Plixus FMM (IDC) to CoCon whenever user input numeric code and press the Ok.

Name: keypad_login_code

Parameters:

Name	Description	Type
SeatNr	Seat number	int
LoginCode	Code entered by user from Plixus FMM (IDC)	string

REST/JON Example:
{"keypad_login_code":{"SeatNr":4,"LoginCode":"1234"}}

4.2.3.6 FingerprintEvent

API Module	Cocon for Plixus Core	Plixus Core
FingerprintEvent	☑	☐

This command is sent from Plixus FMM (IDC) to CoCon whenever user press finger on fingerprint device.

Name: FingerprintEvent

Parameters:

Name	Description	Type
SeatNr	Seat number	int
FingerprintEvent	Fingerprint data from fingerprint device	String
DelegateId	Delegate Id to which the fingerprint was matched (processing taking place on the unicos/unibox unit) 0 : in case the fingerprint verification was not able to match it to the fingerprints of delegate part of the meeting	int

REST/JON Example:
{"FingerprintEvent":{"SeatNr":7,"FingerprintData":"464d52002023230000000000f0000000b401000098009801000
0004923804d000fb400805b00222600807e002313004063000282400402b00333d00403e00343400806a003e25
008098003fb200407300441c00808a0044af0080a000453900407600613400805e00634600406e006747004061
0071ef00802b00794f004085007d8600804a007e53004094007f2000806a008b6800407d00900e00804a0094e5
008083009f0600805c00a86300803500ade400801900ae5700804300ba6200405100bcf700803c00c0ea004061
00c07600808400c00200804900ccf000404600d16700403000d9ee00802500ebeb000000", "DelegateId":1063}}

4.2.4 Voting

4.2.4.1 VotingState

API Module	Cocon for Plixus Core	Plixus Core
VotingState	☑	☐

The voting state of current active voting agenda item
Name: VotingState

Parameters:

Name	Description	Type
Id	ID of the VotingAgendaItem	int
State	The state of voting, include: Start; Stop Pause Clear	string
VotingTemplate	The voting template that voting agenda item based on	string

REST/JON Example:
{"VotingState":{"Id":11;"State":"Start","VotingTemplate":"3_Vote_Public"}}

4.2.4.2 VotingOutcome

API Module	Cocon for Plixus Core	Plixus Core
VotingOutcome	☑	☐

The outcome message of voting result
Name: VotingOutcome

Parameters:

Name	Description	Type
Id	ID of the VotingAgendaItem	int
VotingOptionId	ID of the VotingOption that won, if applicable 0 if not applicable	int
Outcome	The outcome message of voting result	string

REST/JON Example:
{"VotingOutcome":{"Id":11;"VotingOptionId":1147;"OutCome":"Pass option1"}}

4.2.4.3 GeneralVotingResults

API Module	Cocon for Plixus Core	Plixus Core
GeneralVotingResults	☑	☐

The general voting results of current voting
Name: GeneralVotingResults

Parameters:

Name	Description	Type
Id	ID of the VotingAgendaItem	int
VotingResults	The general results of current voting	VotingResultSummary

REST/JON Example:
{"GeneralVotingResults":{"Id":11;"VotingResults":{"Total":{"Count":10,"Weight":10},"Voted":{"Count":0,"Weight":0},"NotVoted":{"Count":10,"Weight":10},"AuthorityAssigned":{"Present":0,"Voted":0,"Register":0}}}}

4.2.4.4 IndividualVotingResults

API Module	Cocon for Plixus Core	Plixus Core
IndividualVotingResults	☑	☐

The individual voting results of current voting, whenever a new vote is available. Note the following:
- For every one vote, this event will only be sent once, at the moment of casting the vote.
- The delegate info and voting option info is not present in this command to optimize performance. Only IDs are available.

Name: IndividualVotingResults

Parameters:

Name	Description	Type
Id	ID of the VotingAgendaItem	int
VotingResults	An array with all the individual votes	Array of IndividualVote

REST/JON Example:
Single selection:
{"IndividualVotingResults":{"Id":11;"VotingResults":[{"DelegateID":24;"VotingOptionID:2};…]}}

Multiple selection
{"IndividualVotingResults":{"Id":11;"VotingResults":[{"DelegateID":24;"VotingOptionID:[2,3,4]};…]}}

4.2.4.5 VotingTemplateAdded

API Module	Cocon for Plixus Core	Plixus Core

VotingTemplateAdded	☑	☐

Event notification for the added new voting template or update voting template.

Parameters:

Name	Description	Type
Title	Name of the Voting template and will keep the title doe that agenda	string
NrOfOptions	Number of voting options	int
IsPrinted	Enabled the function for print after voting stop.	bool
IsVotingNumber	Enabled Symbol or Number for voting choice Note: not applicable after 5.0 cocon	bool
AbstainOption	Choose the Voting abstain Options Value :1 to 3	int
AbstainIndex	Select abstain index for move voting for Value : 1 to .. based on the voting options.	int
Description1	Description for voting option 1	string
Option1 (Option Color)	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex1	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour1	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan	string
IsAbstain1	Enabled the abstain function	bool
MsgOfMajority1	Message for majority	string
Description2	Description for voting option 2	string
Option2	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex2	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour2	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan	string
IsAbstain2	Enabled the abstain function	bool
MsgOfMajority2	Message for majority	string
Description3	Description for voting option 3	string
Option3	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex3	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour3	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan	string
IsAbstain3	Enabled the abstain function	bool
MsgOfMajority3	Message for majority	string

Description4	Description for voting option 4	string
Option4	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex4	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour4	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan	string
IsAbstain4	Enabled the abstain function	bool
MsgOfMajority4	Message for majority	string
Description5	Description for voting option 5	string
Option5	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex5	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour5	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan	string
IsAbstain5	Enabled the abstain function	bool
MsgOfMajority5	Message for majority	string
Description6	Description for voting option 6	string
Option6	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex6	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour6	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan Note: LED color not support for more than 5 button options.	string
IsAbstain6	Enabled the abstain function	bool
MsgOfMajority6	Message for majority	string
Description7	Description for voting option 7	string
Option7	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex7	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour7	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan Note: LED color not support for more than 5 button options.	string
IsAbstain7	Enabled the abstain function	bool

MsgOfMajority7	Message for majority	string
Description8	Description for voting option 8	string
Option8	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex8	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour8	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan Note: LED color not support for more than 5 button options.	string
IsAbstain8	Enabled the abstain function	bool
MsgOfMajority8	Message for majority	string
Description9	Description for voting option 9	string
Option9	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex9	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour9	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan Note: LED color not support for more than 5 button options.	string
IsAbstain9	Enabled the abstain function	bool
MsgOfMajority9	Message for majority	string
Description10	Description for voting option 10	string
Option10	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex10	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour10	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan Note: LED color not support for more than 5 button options.	string
IsAbstain10	Enabled the abstain function	bool
MsgOfMajority10	Message for majority	string
BadgeOption	Choose option for "Who can participate in voting" Value : 1 to 4 Ex. 4 = All voting units Note: badge options will be available based on the meeting type	int
OverallOption	Choose overall option "Who sees the overall results during the vote ? Value : 1 to 4 1= no one	int
IndividualOption	Choose the option for "Who sees the individual voting results (during & after the vote)" Value: 1 to 5	int

	1= No one ;Never	
CanCorrect	Enabled the correction option Value : True means user can change voting	bool
HasPin	Enable the option for "Enter PinId for voting" Note: it will be used for IDC only.	bool
IsWeightUsed	Enable option to check the voting weight for voting result calculation.	bool
IsOperatorIndicated	Vote indication Enabled the Operator voting indication Note: it can configure based on the individual voting setting.	bool
IsSignageIndicated	Vote indication Enabled the Signage voting indication Note: it can configure based on the individual voting setting.	bool
PanelIndicationOption	Vote button indication Chose the vote panel indication option Value : 0 to 2 2 means "Real vote choice" Note: it can configure based on the individual voting setting.	int
EnableAgendaTimer	Enabled the timer for Agenda	bool
DurationOfAgendaTimer	Total Time for Agenda Ex. 00:05:00	String
WarningOfAgendaTimer	Warning time for the Agenda Ex. 00:01:00	String
CountDownOfAgendaTimer	Choose the agenda timer count-up / count-down	Bool
ExceedOfAgendaTimer	Allow exceed agenda timer	Bool
EnableVotingTimer	Enabled the timer for voting	Bool
DurationOfVotingTimer	Total Time for Agenda Ex. 00:05:00	String
WarningOfVotingTImer	Warning time for the Agenda Ex. 00:01:00	String
CountDownOfVotingTimer	Choose the agenda timer count-up / count-down	Bool
ExceedOfVotingTimer	Allow exceed voting timer	Bool
EnableQuorum	Enabled the Quorum Functionality	Bool
AbsoluteOfQuorum	Choose Quorum define function for Absolute or relative Ex. True means Absolute enabled False means Relative option selected. (enabled)	Bool
ValueOfQuorum	Value of the Quorum	decimal
OptionOfQuorum	Choose the options for Presence of determination. Value : 1 to 5	int
EnableQuorumMsg	Enabled the Quorum message option	bool
QuorumMsg	Message for Quorum	string
AbsoluteOfOutcome	Choose Majority define function for Absolute or relative Ex. True means Absolute enabled False means Relative option selected (enabled).	bool
ValueOfMajority	Value of the Majority	decimal
MajorityOption	Choose the majority options Value :1 to 2	int
EnableOutcomMsg	Enabled Outcome message option.	bool
PassedMsg	Message for the Pass Majority	string
FailedMsg	Message for the Fail Majority	string

HungMsg	Message for the Hung Majority	string
EnabledMajorityMsg	Enabled Majority Achieved Details	bool
HungVoteSetting	Choose option for the hung vote solution Value : 1 to 5 Ex. 0 = Stop voting automatically. 1 = Keep the vote active until the Operator or Chairman manually stops it. 2 = Restart voting with all options available 3 = Determined by chairmen votes in this voting session. 4 = Stop voting and the operator decides. 5 = Determined by chairmen votes in a new chairmen-only voting session.	Int
IsUnanimous	If value is true, means Voting options for the voting session decision made by operator even thoug user can choose his own chose as well. (this option will used by the Cocon Op app only now) Note: default value is false	bool

REST/JON Example:

{"VotingTemplateAdded":{"Id":36,"Title":"TEST 501","NrOfOptions":5,"IsPrinted":false,"IsVotingNumber":false,"BadgeOption":1,"OverallOption":1,"Options":[{"Id":157,"Description":"Pass","Option":"#0000FF","SymbolIndex":0,"LedColour":"Red","IsAbstain":true,"MsgOfMajority":""},{"Id":158,"Description":"ABS","Option":"#FFFF0000","SymbolIndex":1,"LedColour":"Red","IsAbstain":false,"MsgOfMajority":"Motion Accepted"},{"Id":159,"Description":"Fail","Option":"#FFFFFF00","SymbolIndex":2,"LedColour":"Blue","IsAbstain":false,"MsgOfMajority":"Motion Postponed"},{"Id":160,"Description":"ISA","Option":"#39FF14","SymbolIndex":3,"LedColour":"Yellow","IsAbstain":false,"MsgOfMajority":"Motion Rejected"},{"Id":161,"Description":"XYZ","Option":"#FF00FF","SymbolIndex":4,"LedColour":"Magenta","IsAbstain":false,"MsgOfMajority":""}],"IndividualOption":1,"CanCorrect":true,"HasPin":false,"IsWeightUsed":true,"IsOperatorIndicated":true,"IsSignageIndicated":true,"PanelIndicationOption":1,"AgendaTimer":{"Id":73,"EnableAgendaTimer":true,"DurationOfAgendaTimer":"00:05:00","WarningOfAgendaTimer":"00:03:00","CountDownOfAgendaTimer":false,"ExceedOfAgendaTimer":true},"VotingTimer":{"Id":74,"EnableVotingTimer":true,"DurationOfVotingTimer":"00:05:00","WarningOfVotingTImer":"00:05:00","CountDownOfVotingTimer":false,"ExceedOfVotingTimer":true},"EnableQuorum":true,"AbsoluteOfQuorum":false,"ValueOfQuorum":0.0,"OptionOfQuorum":1,"EnableQuorumMsg":true,"QuorumMsg":"It works","AbsoluteOfOutcome":false,"ValueOfMajority":10.0,"MajorityOption":1,"EnableOutcomMsg":true,"PassedMsg":"Majority achieved","FailedMsg":"fail","HungMsg":"hung","EnabledMajorityMsg":true,"HungVoteSetting":4}}

Example 2 :

{"VotingTemplateAdded":{"Id":3,"Title":"Test 223","NrOfOptions":3,"IsPrinted":false,"IsVotingNumber":false,"BadgeOption":4,"OverallOption":4,"Options":[{"Id":66,"Description":"","Option":"#FF008000","SymbolIndex":1,"LedColour":"Blue","IsAbstain":false,"MsgOfMajority":"Motion Accepted"},{"Id":67,"Description":"","Option":"#FFFFFF00","SymbolIndex":2,"LedColour":"Blue","IsAbstain":false,"MsgOfMajority":"Motion Postponed"},{"Id":68,"Description":"","Option":"#FFFF0000","SymbolIndex":3,"LedColour":"Blue","IsAbstain":false,"MsgOfMajority":"Motion Rejected"}],"IndividualOption":5,"CanCorrect":false,"HasPin":false,"IsWeightUsed":true,"IsOperatorIndicated":false,"IsSignageIndicated":false,"PanelIndicationOption":0,"AgendaTimer":{"Id":109,"EnableAgendaTimer":false,"DurationOfAgendaTimer":"00:00:00","WarningOfAgendaTimer":"00:00:00","CountDownOfAgendaTimer":true,"ExceedOfAgendaTimer":false},"VotingTimer":{"Id":110,"EnableVotingTimer":false,"DurationOfVotingTimer":"00:00:00","WarningOfVotingTImer":"00:00:00","CountDownOfVotingTimer":true,"ExceedOfVotingTimer":false},"EnableQuorum":false,"AbsoluteOfQuorum":true,"ValueOfQuorum":0.0,"OptionOfQuorum":4,"EnableQuorumMsg":false,"QuorumMsg":"Quorum not OK - voting postponed","AbsoluteOfOutcome":true,"ValueOfMajority":1.0,"MajorityOption":2,"EnableOutcomMsg":false,"Pas

sedMsg":"Majority achieved","FailedMsg":"Majority not achieved","HungMsg":"Hung vote","EnabledMajorityMsg":false,"HungVoteSetting":1,"IsUnanimous":false}}

4.2.5 Timer

Note: default timer events will be send out every 5 seconds. However, there is a possibility to have timer events send out with different time intervals. For this the "TimerEventIntervalSeconds" value can be changed inside Cocon server xml configuration file.

4.2.5.1 MeetingTimerEvent

API Module	Cocon for Plixus Core	Plixus Core
MeetingTimerEvent	☑	☐

The timer event of the current active meeting
Name: MeetingTimerEvent

Parameters:

Name	Description	Type
MeetingTimer	The timer of current meeting	BaseObjectTimer

REST/JON Example:
{"MeetingTimerEvent":{"MeetingTimer":{"Timer":{"TotalTime":"02:00:00","TimeUsed":"00:00:11","CountingDown":true,"WarningTime":"00:05:00"}}}}

4.2.5.2 MeetingTimerStateChange

API Module	Cocon for Plixus Core	Plixus Core
MeetingTimerPauseResumed	☑	☐

 Pause or Resume current active meeting Timer

Name: MeetingTimerPauseResumed

Parameters:

Name	Description	Type
Paused	The pause state of timer	bool
MeetingTimer	The timer of current meeting	BaseObjectTimer

REST/JON Example:
{"MeetingTimerPauseResumed":{"Paused":true,"MeetingTimer":{"Timer":{"TotalTime":"02:00:00","TimeUsed":"00:02:35","CountingDown":true,"WarningTime":"00:05:00"}}}}

4.2.5.3 DelegateTimerEvent

API Module	Cocon for Plixus Core	Plixus Core
DelegateTimerEvent	☑	☐

The timer event of the delegate

Name: DelegateTimerEvent

Parameters:

Name	Description	Type
DelegateTimer	The time of the delegate	DelegateTimer : BaseObjectTimer

REST/JON Example:
{"DelegateTimerEvent":{"DelegateTimer":{"DelegateId":10,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}}}}

4.2.5.4 DelegateTimerStateChange

API Module	Cocon for Plixus Core	Plixus Core
DelegateTimerPauseResumed	☑	☐

 Pause or resume the delegate timer

Name: DelegateTimerPauseResumed

Parameters:

Name	Description	Type
Paused	The pause state of timer	bool
DelegateTimer	The timer of the delegate	DelegateTimer : BaseObjectTimer

REST/JON Example:
{"DelegateTimerPauseResumed":{"Paused":true,"DelegateTimer":{"DelegateId":10,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}}}}

4.2.5.5 GroupTimerEvent

API Module	Cocon for Plixus Core	Plixus Core
GroupTimerEvent	☑	☐

The timer event of the group

Name: GroupTimerEvent

Parameters:

Name	Description	Type
GroupTimer	The time of the group	GroupTimer : BaseObjectTimer

REST/JON Example:
{"GroupTimerEvent":{"GroupTimer":{"GroupId":1,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}}}}

4.2.5.6 GroupTimerStateChange

API Module	Cocon for Plixus Core	Plixus Core
GroupTimerPauseResumed	☑	☐

 Pause or resume the group timer
Name: GroupTimerPauseResumed

Parameters:

Name	Description	Type
Paused	The pause state of timer	bool
GroupTimer	The timer of the delegate	GroupTimer : BaseObjectTimer

REST/JON Example:
{"GroupTimerPauseResumed":{"Paused":true,"GroupTimer":{"GroupId":1,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}}}}

4.2.5.7 SeatTimerEvent

API Module	Cocon for Plixus Core	Plixus Core
SeatTimerEvent	☑	☐

The timer event of the seat

Name: SeatTimerEvent

Parameters:

Name	Description	Type
SeatTimer	The timer of the seat	SeatTimer : BaseObjectTimer

REST/JON Example:
{"SeatTimerEvent":{"SeatTimer":{"SeatNr":1,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}}}}

4.2.5.8 SeatTimerPauseResumed

API Module	Cocon for Plixus Core	Plixus Core
SeatTimerPauseResumed	☑	☐

Pause or resume the seat timer

Name: SeatTimerPauseResumed

Parameters:

Name	Description	Type
Paused	The pause state of timer	bool
SeatTimer	The timer of the seat	SeatTimer : BaseObjectTimer

REST/JON Example:
{"SeatTimerPauseResumed":{"Paused":true,"SeatTimer":{"SeatNr":1,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}}}}

4.2.5.9 ActiveAgendaItemTimerEvent

API Module	Cocon for Plixus Core	Plixus Core
ActiveAgendaItemTimerEvent	☑	☐

The timer event of the active agenda item

Name: ActiveAgendaItemTimerEvent

Parameters:

Name	Description	Type
ActiveAgendaItemTimer	The timer of the active agenda item	BaseObjectTimer

REST/JON Example:
{"ActiveAgendaItemTimerEvent":{"ActiveAgendaItemTimer":{"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:21","CountingDown":false,"WarningTime":"00:00:00"}}}}

4.2.5.10 ActiveAgendaItemTimerPauseResumed

API Module	Cocon for Plixus Core	Plixus Core
ActiveAgendaItemTimerPauseResumed	☑	☐

 Pause or resume the active agenda item timer

Name: ActiveAgendaItemTimerPauseResumed

Parameters:

Name	Description	Type
Paused	The pause state of timer	bool
ActiveAgendaItemTimer	The timer of the seat	[BaseObjectTimer](#)

REST/JON Example:
{"ActiveAgendaItemTimerPauseResumed":{"Paused":false,"ActiveAgendaItemTimer":{"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":false,"WarningTime":"00:00:00"}}}}

4.2.5.11 VotingTimerEvent

API Module	Cocon for Plixus Core	Plixus Core
VotingTimerEvent	☑	☐

The timer event of the voting

Name: VotingTimerEvent

Parameters:

Name	Description	Type
VotingTimer	The timer of the voting	[BaseObjectTimer](#)

REST/JON Example:
{"VotingTimerEvent":{"VotingTimer":{"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:02","CountingDown":false,"WarningTime":"00:00:00"}}}}

4.2.5.12 VotingTimerPauseResumed

API Module	Cocon for Plixus Core	Plixus Core
VotingTimerPauseResumed	☑	☐

 Pause or resume the voting

Name: VotingTimerPauseResumed

Parameters:

Name	Description	Type
Paused	The pause state of timer	bool
VotingTimer	The timer of the seat	[BaseObjectTimer](#)

REST/JON Example:
{"VotingTimerPauseResumed":{"Paused":true,"VotingTimer":{"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:32","CountingDown":false,"WarningTime":"00:00:00"}}}}

4.2.6 Delegate

4.2.6.1 BadgeEvent

API Module	Cocon for Plixus Core	Plixus Core
BadgeEvent	☑	☐

Delegate on the seat, insert badge to show the present. (Fixed seat insert badge for the present meeting mode.)

Name: BadgeEvent

Parameters:

Name	Description	Type
SeatNr	The number of the seat	int
Delegate	The information of the delegate on seat	Delegate
BadgeInserted	Badge insert or not	bool

REST/JON Example:

Meeting Running :

{"BadgeEvent":{"SeatNr":2,"Delegate":{"Id":463,"FirstName":"Marcel","Name":"Ackermann","MiddleName":null,"Street":"Route Principale 11c","StreetNumber":0,"PostCode":"2803","City":"Bourrignon","Country":"","Title":"Député","BirthDate":"","District":"","Biography":"","Groups":[{"Id":21,"Name":"PDC"}],"SeatNumber":2,"BadgeNumber":"14EFB4E2","FingerprinterData":"","KeypadLoginCode":""},"BadgeInserted":true,"bid":"14EFB4E2"}}

No Meeting running :
{"BadgeEvent":{"SeatNr":4,"Delegate":null,"BadgeInserted":true,"bid":"14EFB4E2"}}
Meeting Running :

4.2.6.2 DelegateOnSeat

API Module	Cocon for Plixus Core	Plixus Core
DelegateOnSeat	☑	☐

When seat is empty, and meeting is free-seat, and delegates insert or remove their badges.

Name: DelegateOnSeat

Parameters:

Name	Description	Type
SeatNr	The number of the seat	int
Delegate	The information of the delegate on seat	Delegate
OnSeat	Delegate is no seat or not	bool

REST/JON Example:

{"DelegateOnSeat":{"SeatNr":4,"Delegate":{"Id":463,"Title":"Député","FirstName":"Marcel","Name":"Ackermann", "MiddleName":null,"Groups":[{"Id":21,"Name":"PDC"}]},"OnSeat":true,"bid":"14EFB4E2"}}

REST/JON Example: Remove delegate from a seat
{"DelegateOnSeat":{"SeatNr":2,"Delegate":"","OnSeat":false}}

4.2.6.3 DelegateSeatingUpdated

API Module	Cocon for Plixus Core	Plixus Core
DelegateSeatingUpdated	☑	☐

 When delegate removed from seat, this api call notified from server.

Name: DelegateSeatingUpdated

Parameters:

Name	Description	Type
DelegateId	Delegate id from the meeting user table	int
SeatId	Seat number, where user was seated	int

4.2.6.4 MeetingStartsUserInformation

API Module	Cocon for Plixus Core	Plixus Core
MeetingStartsUserInformation	☑	☐

 When meeting starts, send users in meeting to client.

Name: MeetingStartsUserInformation

Parameters:

Name	Description	Type
MeetingId	ID of the meeting	int
Users	The Users in meeting	List<Delegate>

REST/JON Example:
{"MeetingStartsUserInformation":{"Users":[{"Id":4,"FirstName":"11","Name":"Test1","Street":"","StreetNumber":null,"PostCode":"","City":"","Country":"","Title":"","BirthDate":"","District":"","Biography":"","Groups":[{"Id":1,"Name":"Group1"}],"SeatNumber":2},{"Id":5,"FirstName":"22","Name":"Test2","Street":"","StreetNumber":null,"PostCode":"","City":"","Country":"","Title":"","BirthDate":"","District":"","Biography":"","Groups":[],"SeatNumber":3},{"Id":3,"FirstName":"asfwesw","Name":"wefwef","Street":"","StreetNumber":null,"PostCode":"","City":"","Country":"","Title":"Test2","BirthDate":"","District":"","Biography":"","Groups":[{"Id":2,"Name":"Group2"}],"SeatNumber":5},{"Id":2,"FirstName":"wefwef","Name":"sdf","Street":"","StreetNumber":null,"PostCode":"","City":"","Country":"","Title":"Test1","BirthDate":"","District":"","Biography":"","Groups":[{"Id":1,"Name":"Group1"}],"SeatNumber":1},{"Id":6,"FirstName":"33","Name":"Test3","Street":"","StreetNumber":null,"PostCode":"","City":"","Country":"","Title":"","BirthDate":"","District":"","Biography":"","Groups":[{"Id":2,"Name":"Group2"}],"SeatNumber":4}]}}

4.2.6.5 DelegateUpdated

API Module	Cocon for Plixus Core	Plixus Core
DelegateUpdated	☑	☐

This event is sent if a delegate was edited.

Name: DelegateUpdated

Parameters:

Name	Description	Type
DelegateId	The Id of the delegate	int
Name	The name of the delegate	string
FirstName	The first name of the delegate	string
Title	The title of the delegate	string
MiddleName	MiddleName of the delegate [Optional parameter]	string
BadgeNr	The badge number	int
UserName	The username for the delegate	string
Password	The password for the delegate	string
Street	The street for the delegate	string
StreetNr	The street number for the delegate	string
City	The city for the delegate	string
PostalCode	The postal code for the delegate	string
Country	The country for the delegate	string
District	The district for the delegate	string
BirthDate	The delegate's birthday	string
Email	The delegate's email address	string
PhoneNr	The delegate's phone number	string
VotingRight	Does the delegate have the right to vote?	Bool
VotingWeight	The voting weight to apply for this delegate	Int
PinId	PinId to login for voting	Int
FingerprinterData	Fingerprint data to open the Unicos IDC screen [Optional parameter]	string
KeypadLoginCode	Code to login into the Unicos FMM (IDC) [Optional parameter]	int

REST/JON Example:

{"DelegateUpdated":{"DelegateId":534,"Name":"Manoj","MiddleName":"Subhashbhai","FirstName":"Patel","Title":"Mr.","BadgeNr":"","UserName":"","Password":"","Street":"","StreetNr":"0","PostalCode":"","City":"","Country":"","BirthDate":"","District":"","Email":"","PhoneNr":"","VotingRight":true,"VotingWeight":1,"PinId":"9876","FingerprinterData":"","KeypadLoginCode":"1234"}}

4.2.6.6 DelegateAdded

API Module	Cocon for Plixus Core	Plixus Core
DelegateAdded	☑	☐

This event is sent if a delegate was Added.

Name: DelegateAdded

Parameters:

Name	Description	Type
DelegateId	The Id of the delegate	int
Name	The name of the delegate	string
FirstName	The first name of the delegate	string
Title	The title of the delegate	string
MiddleName	MiddleName of the delegate [Optional parameter]	string
BadgeNr	The badge number	int
UserName	The username for the delegate	string
Password	The password for the delegate	string
Street	The street for the delegate	string
StreetNr	The street number for the delegate	string
City	The city for the delegate	string
PostalCode	The postal code for the delegate	string
Country	The country for the delegate	string
District	The district for the delegate	string
BirthDate	The delegate's birthday	string
Email	The delegate's email address	string
PhoneNr	The delegate's phone number	string
VotingRight	Does the delegate have the right to vote?	Bool
VotingWeight	The voting weight to apply for this delegate	int
PinId	PinId to login for voting	Int
FingerprinterData	Fingerprint data to open the Unicos IDC screen [Optional parameter]	string
KeypadLoginCode	Code to login into the Unicos FMM (IDC) [Optional parameter]	int

REST/JON Example:

{"DelegateAdded":{"DelegateId":534,"Name":"Isha","MiddleName":null,"FirstName":"Sakhalakr","Title":"Mrs.","BadgeNr":"","UserName":"","Password":"","Street":"","StreetNr":"0","PostalCode":"","City":"","Country":"","BirthDate":"","District":"","Email":"","PhoneNr":"","VotingRight":true,"VotingWeight":1,"PinId":"","FingerprinterData":"","KeypadLoginCode":""}}

4.2.6.7 DelegateRemoved

API Module	Cocon for Plixus Core	Plixus Core
DelegateRemoved	☑	☐

This event is sent if a delegate was removed from the database.

Name: DelegateRemoved

Parameters:

Name	Description	Type
DelegateId	The Id of the delegate	int

REST/JON Example:
{"DelegateRemoved":{"DelegateId":12 }}

4.2.6.8 DelegateSeatingUpdated

API Module	Cocon for Plixus Core	Plixus Core
DelegateSeatingUpdated	☑	☐

This event is sent to all API clients when the delegate seating is changed (a delegate is added to or removed from a seat).
{"DelegateSeatingUpdated":[{"DelegateId":1, "SeatId":1}, {"DelegateId":2, "SeatId":0}]}

Parameters:

Name	Description	Type
DelegateId	The id of the delegate	int
SeatId	The id of the seat. 0 means that this delegate was not positioned on a seat yet	int

4.2.6.9 DelegatesInMeetingUpdated

API Module	Cocon for Plixus Core	Plixus Core
DelegatesInMeetingUpdated	☑	☐

This event is sent if something changed to the list of delegates in a meeting (delegate added to or removed from meeting.
Please note that we do not send the new list of delegates in the meeting. API clients that are interested in the change, can request this list with "GetDelegatesInMeeting".
{"DelegatesInMeetingUpdated":{"MeetingId":25}}

4.2.7 Interactive

This section describes commands that are only applicable for the Televic Plixus MME.

4.2.7.1 ScreenLockRemoved

API Module	Cocon for Plixus Core	Plixus Core
ScreenLockRemoved	☑	☐

 The screen lock on the uniCOS has been removed

Name: ScreenLockRemoved

REST/JON Example:
{"ScreenLockRemoved" : true}

4.2.7.2 DelegateScreenSetChanged

API Module	Cocon for Plixus Core	Plixus Core
DelegateScreenSetChanged	☑	☐

The screen on the Multimedia Unit changed event

Name: DelegateScreenSetChanged

Parameters:

Name	Description	Type
IsLocked	Lock state of uniCOS	Bool
IsGoTo	Whether changed to the screen	Bool
IsShow	Show or hide the screen	Bool
Screen	Screens on the uniCOS: None Home Discussion Agenda Delegates Voting Documents Messages Web Services Configuration	string
Option	Options for the screen	ScreenControlOptions

REST/JON Example:
{"DelegateScreenSetChanged" : {"IsLocked"
false,"IsGoTo":true,"IsShow":true,"Screen":"Agenda","Option":{"selact":true} }}

Example 2: (With additional parameter of video stream)

{"DelegateScreenSetChanged":{"IsLocked":false,"IsGoTo":true,"IsShow":true,"Screen":"Discussion","Option":{"video":1,"stream":1}}}

4.2.7.3 CustomButtonEvent

API Module	Cocon for Plixus Core	Plixus Core
CustomButtonEvent	☑	☐

This event is generated when the custom button is pushed or released.
REST/JON Example:
{"CustomButtonEvent" : {"SeatId": 5, "ButtonId":1, "Event": "down"}}

4.2.7.4 ServiceRequestEvent

API Module	Cocon for Plixus Core	Plixus Core
ServiceRequestEvent	☑	☐

This event is generated on service requested from Multimedia units.
REST/JON Example:
{"ServiceRequestEvent":{"SeatId":2,"ServiceId":1,"ServiceState":1}}

4.2.8 Audio

4.2.8.1 SetAudioSoftwareConfigurationById

API Module	Cocon for Plixus Core	Plixus Core
SetAudioSoftwareConfigurationById	☑	☑

Update event come from the Service & ERS for the SetAudioSoftwareConfigurationById active preset.

REST/JON Example:

>>>{"SetAudioSoftwareConfigurationById":{"AudioSoftwareConfiguration":{"Description":"Incoming audio from microphone, auxiliary inputs 1, 2 & 3 and Dante input channel 1 is routed by default to the unit speakers, auxiliary outputs 1, 2 & 3 and Dante output channel 1.","Id":1,"Name":"Normal routing","Predefined":true,"State":"Active"}}}

4.2.8.2 CurrentAudioSoftwareConfigurationUpdated

API Module	Cocon for Plixus Core	Plixus Core
CurrentAudioSoftwareConfigurationUpdated	☑	☑

Update event come from the Server for the volume change for node in active preset.

REST/JON Example:
"CurrentAudioSoftwareConfigurationUpdated":1}

4.2.9 Logging

4.2.9.1 ConnectionLost_CentralUnit

API Module	Cocon for Plixus Core	Plixus Core
Connection_CentralUnit	☑	☐

Lost central unit connection message
Name: Connection_CentralUnit

Parameters:

Name	Description	Type
State	The state of the connection Connected Disconnected	string

REST/JON Example:
{"Connection_CentralUnit":{"State":<State>}}
{"Connection_CentralUnit":{"State":"Disconnected"}}

4.2.9.2 ConnectionLost_Database

API Module	Cocon for Plixus Core	Plixus Core
Connection_Database	☑	☐

CoCon and database connection state
Name: Connection_Database

Parameters:

Name	Description	Type
State	The state of the connection Connected Disconnected	string

REST/JON Example:
{"Connection_Database":{"State":<State>}}

4.2.10 ButtonLED_Event

Events from CoCon Server to API clients can only be sent after the buttons have been enabled, using the command "SetButtonsEnabled", described in section 4.3.11.1.

4.2.10.1 ButtonPressed

API Module	Cocon for Plixus Core	Plixus Core
ButtonPressed	☑	☑

A button was pressed on a unit.
Name: ButtonPressed

Parameters:

Name	Description	Type
SeatNr	The number of the seat on which a button was pressed.	int
ButtonNr	The number of the button which was pressed Possible values: 1-5, depending on the possibilities of the delegate units. For example: delegate units with 3 buttons only have buttons 2-3-4	int

REST/JSON Example:
{"ButtonPressed":{"SeatNr":2;"ButtonNr":3}}

4.2.10.2 NextButtonPressed

API Module	Cocon for Plixus Core	Plixus Core
NextButtonPressed	☑	☑

Next button was pressed on a seat (unit).
Name: NextButtonPressed

Parameters:

Name	Description	Type
UnitId	The seat Id	int

REST/JSON Example:
{"NextButtonPressed":{"UnitId":2}

Important note: the return values mentions identifier "UnitId" however the number returned refers to the Seat Id.

4.2.10.3 PriorButtonPressed

API Module	Cocon for Plixus Core	Plixus Core
PriorButtonPressed	☑	☑

Prior button was pressed on a seat (unit).
Name: PriorButtonPressed

Parameters:

Name	Description	Type
UnitId	The seat Id	int

REST/JSON Example:
{"PriorButtonPressed":{"UnitId":2}

Important note: the return values mentions identifier "UnitId" however the number returned refers to the Seat Id.

4.2.11 Interpretation

4.2.11.1 IMicrophoneStateUpdated

API Module	Cocon for Plixus Core	Plixus Core
IMicrophoneStateUpdated	☑	☑

This function contain the microphone state changed events, channel changed events based on the desk.
Description:
When a microphone event of the ID s happens CoCon sends an update of the realtimedata. This contains all the ID microphone statuses. This is not required. Only send the information of the microphone unit that was changed.
Note:
        Not necessary to subscribe to this module. It will send 3rdpart API based on the interpreter licensed mode. And
MIC state: 0 = ON && 2 = OFF.
Ex.
{"IMicrophoneStateUpdated":{"Order":2,"Language":"French","Booth":"2","Desk":1, "Micstate":0}}

4.2.11.2 IActivatedChannelUpdated

API Module	Cocon for Plixus Core	Plixus Core
IActivatedChannelUpdated	☑	☑

These events receive by API once the any channel updated on Interpreter desk.
Note:
A/B/C channel index: 0: Active channel A, 1: active channel B and 2 : active channel C (Interpreter Desk output channel)

Ex: {"IActivatedChannelUpdated ":{"Order":2,"Language":"French","Booth":"2","Desk":1, "ActiveChannel":0}}

4.2.11.3 SpeakSlowerRequest

API Module	Cocon for Plixus Core	Plixus Core
SpeakSlowerRequest	☑	☑

This event is sent when an interpreter has pressed the slow-down button on his unit.

Note: Speak Slow function should be enabed for receiving notification.

Parameters:

Name	Description	Type
UnitId	The unit's Id	Int
Booth	Booth id	Int
Desk	Desk id in the booth	int

Return:
{"SpeakSlowerRequest":{"UnitId":8}}

4.2.11.4 SpeakSlowerEnded

API Module	Cocon for Plixus Core	Plixus Core
SpeakSlowerEnded	☑	☑

These events receive by API once speak slower ended.

Return:
{"SpeakSlowerEnded":{"UnitId":8}}

4.2.11.5 ActivePresetStateChanged

API Module	Cocon for Plixus Core	Plixus Core
ActivePresetStateChanged	☑	☑

Received event once the active pre-set has been changed.
Note: Bool value received (True : active pre-set has changed.)
Ex: {ActivePresetStateChanged":"true"}

4.2.12 Rocording (AE-R & Plixus Core only)
Notification for the recording module.

4.2.12.1 RecordingStatusUpdate

API Module	Cocon for Plixus Core	Plixus Core
WcapInfoUpdated	☑	☑

Notify the status change of the recording.

Return: string
{"RecordingStateUpdated":{"RecordingState":"idle"}}

4.2.13 Wireless Coupling

Notification from the WCAP to rest api user.

4.2.13.1 WcapInfoUpdated

API Module	Cocon for Plixus Core	Plixus Core
WcapInfoUpdated	☑	☑

Notification for the update from WCAP.

Return: string
{"WcapInfoUpdated":{"chans":[],"cpld":1,"gtw":"192.168.8.1","hn":"admin","ipa":"192.168.8.210","mac":"1C:BA:8C:99:FE:81","online":1,"op_mode":1,"reg":"Europe","sbm":"255.255.255.0","serial":352321544,"wlist":[]}}

4.2.13.2 WcapCoupledUpdated

API Module	Cocon for Plixus Core	Plixus Core
WcapCoupledUpdated	☑	☑

Notification for the update of WCAP coupling from WCAP.

Return: string
{"WcapCoupledUpdated":{"CoupledMode":true,"WcapSerial":352321544}}

4.2.13.3 AllWcapInfoUpdated

API Module	Cocon for Plixus Core	Plixus Core
AllWcapInfoUpdated	☑	☑

Notification for the update of all WCAP coupling from WCAP.

Return: string
{"AllWcapInfoUpdated":[{"chans":[],"cpld":1,"gtw":"192.168.8.1","hn":"admin","ipa":"192.168.8.210","mac":"1C:BA:8C:99:FE:81","online":1,"op_mode":0,"reg":"Europe","sbm":"255.255.255.0","serial":352321544,"wlist":[353436539,353436545,353436622]}]}

4.2.14 Operator Customization

Notification from custom buttons to rest api user. Note that these events only can be triggered in case a license for the Operator Customization module is available.

4.2.14.1 CustomButtonPressed

API Module	Cocon for Plixus Core	Plixus Core
CustomButtonPressed	☑	☐

Return: string
{"CustomButtonPressed":{"Id":1,"Text":"Button1"}}

4.2.15 Intercom

Notification from intercom to rest api user.

4.2.15.1 CallerUnitStateUpdated

API Module	Cocon for Plixus Core	Plixus Core
CallerUnitStateUpdated	☑	☑

This notification command is used to send an update of the state of an individual unit

Name: CallerUnitStateUpdated

Parameters:

Name	Description	Type
UnitId	ID of the unit	int
State	State of the caller: 0 -> Disabled 1 -> Enabled 2 -> Occupied	<0-2>

REST/JON Example:
{"CallerUnitStateUpdated":{"UnitId":24,"State":2}}

4.2.15.2 CallerStateUpdated

API Module	Cocon for Plixus Core	Plixus Core
CallerStateUpdated	☑	☑

This notification command is used to send an update of the state of a caller

Name: CallerStateUpdated

Parameters:

Name	Description	Type
CallerId	ID of the caller	int
State	State of the caller: 0 -> Free 1 -> Busy	<0/1>

REST/JON Example:
{"CallerStateUpdated":{"CallerId":7,"State":1}}

4.2.15.3 ConversationRequested

API Module	Cocon for Plixus Core	Plixus Core
ConversationRequested	☑	☑

This notification command is used to tell the API client that a conversation is requested

Name: ConversationRequested

Parameters:

Name	Description	Type
FromCid	Caller ID of the caller that requests the conversation	int
FromUid	Unit ID of the unit that requests the conversation -1 means the requester is an API client	int
ToId	Unit ID the request is directed to	int

REST/JON Example:
{"ConversationRequested":{"FromCid":7,"FromUid":24,"ToId":8}}

4.2.15.4 ConversationAccepted

API Module	Cocon for Plixus Core	Plixus Core
ConversationAccepted	☑	☑

This notification command is used to tell the API client that a conversation is accepted

Name: ConversationAccepted

Parameters:

Name	Description	Type
FromCid	Caller ID of the caller that accepted the conversation	int
FromUid	Unit ID of the unit that accepted the conversation -1 means the requester is an API client	int
ToId	Caller ID of the caller that initiated the conversation	int

REST/JON Example:
{"ConversationAccepted":{"FromCid":8,"FromUid":25,"ToId":24}}

4.2.15.5 ConversationEnded

API Module	Cocon for Plixus Core	Plixus Core
ConversationEnded	☑	☑

This notification command is used to tell the API client that a conversation is ended

Name: ConversationEnded

Parameters:

Name	Description	Type
FromCid	Caller ID of the caller that ended the conversation	int
FromUid	Unit ID of the unit that ended the conversation -1 means the requester is an API client	int
ToId	Caller ID of the other caller in the conversation	int

REST/JON Example:
{"ConversationEnded":{"FromCid":7,"FromUid":24,"ToId":25}}

4.3 Client to server

For those methods that do not explicitly return a result (usually the methods starting with "Set"), the following return values are used:

- 0: Command was successfully executed.
- 1: parameter or value passed in the API call was wrong. See the CoCon Server log file for more details.
- -1: Exception occurred on the CoCon API side. See the CoCon Server log file for more details.

4.3.1 General

4.3.1.1 Connect

API Module	Cocon for Plixus Core	Plixus Core
Connect	☑	☑

This is the first URI that has to be sent to initiate the API connection.

Structure:
http://localhost:8890/CoCon/Connect

Parameters: N/A

Example:
http://localhost:8890/CoCon/Connect

Return: {"Connect":<bool>;"id":"<id>"}
       {"Connect":true,"id":"970196c9-6f6c-4601-b7d7-f27b1d591bc5"

4.3.1.2 Disconnect

API Module	Cocon for Plixus Core	Plixus Core
Disconnect	☑	☐

This is the first URI that has to be sent to disconnect the API connection. Note however that the main principle should not require a disconnect. In most cases, an API connected is setup and events are being continuously received.

Structure:
http://localhost:8890/CoCon/Disonnect/?Id={Id}

Parameters: connection id

Example:
http://localhost:8890/CoCon/Disconnect/?Id=970196c9-6f6c-4601-b7d7-f27b1d591bc5

Return:
0 : OK
1 : Invalid ID or no API client found (please check parameters)

4.3.1.3 Subscribe

4.3.1.4 Unsubscribe

API Module	Cocon for Plixus Core	Plixus Core
Subscribe/ UnSubscribe	☑	☑

Subscribe and Unsubscribe are the subscribe/publish mode of our system, by default, once connected to CoCon the client subscribe all modes of cocon, include: Microphone, meetingAgenda, Voting, Timer, Delegate, Audio, Logging.

Structure:
http://localhost:8890/CoCon/Subscribe/?Model={model}&id={id}&details={bool}
http://localhost:8890/CoCon/Unsubscribe/?Model={model}&id={id}

Parameters:

Name	Description	Type
Model	The mode that want to subscribe/Unsubscribe Room Microphone MeetingAgenda Voting Timer Delegate Audio Interpretation Logging ButtonLED_Event Interactive External Intercom Video	string
Id	The id that is returned by connection	String
Details	To get all update events information in details *Optional parameter. Default value is true	bool

Example:
http://localhost:8890/CoCon/Subscribe/?Model=Microphone&id=5a44aed8-e257-4b21-9240-efdd72bf866d
http://localhost:8890/CoCon/Unsubscribe/?Model=Microphone&id=a372c5d5-a5ce-4c3a-b401-53d6cd85dbeb

Return: {"Subscribe":{"Model":"Microphone","result":true,"details":true}}
        {"UnSubscribe":{"Model":"Microphone","result":true}}

4.3.1.5 Notification

API Module	Cocon for Plixus Core	Plixus Core
Notification	☑	☑

Get notification from CoCon, this request should keep asking the CoCon.

Structure:
http://localhost:8890/CoCon/Notification/id={id}

Parameters:

Name	Description	Type
id	The id that is returned by connection	string

Example:
http://localhost:8890/CoCon/Notification/id=5a44aed8-e257-4b21-9240-efdd72bf866d

Return:
   without connection: {"Notification" : "Error 400"}
   with connection {"EventName": Event Value}
   with connectin "{"Notification" : "Error 408"}"

4.3.1.6 RebootSystem

API Module	Cocon for Plixus Core	Plixus Core
RebootSystem	☑	☐

Reboot the CPU.

http://localhost:8890/CoCon/RebootSystem

Return: int
 0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.2 Room

4.3.2.1 GetRoomServerName

API Module	Cocon for Plixus Core	Plixus Core
GetRoomServerName	☑	☐

Get the name of the current room server

Structure:
http://localhost:8890/CoCon/Room/GetRoomServerName

Example:
http://localhost:8890/CoCon/Room/GetRoomServerName

Return:
{"GetRoomServerName":{"Name":"Isha Test 250 API"}}

4.3.2.2 GetActiveRoomInfo

API Module	Cocon for Plixus Core	Plixus Core
GetActiveRoomInfo	☑	☑

Get the current room information from the room server.

Structure:
http://192.168.8.126:8890/CoCon/Room/GetActiveRoomInfo

Example:
http://192.168.8.126:8890/CoCon/Room/GetActiveRoomInfo

Return:
CoCon for Core :

{"GetActiveRoomInfo":{"ActiveRoom":{"RoomId":1,"Name":"CoCon 5.3.2.23
(230)","CoConServerVersion":"5.4.0.14","CRPVersion":"5.4.10","DBName":"LOCALHOSTSQLEXPRESS"}}}
Note: RoomId is CoCon DB Room Id.

Plixus Core :

{"GetActiveRoomInfo":{"ActiveRoom":{"RoomId":1}}}
Note: RoomId: active room on Plixus.

4.3.2.3 GetStatusOfCuAndDbConnection

API Module	Cocon for Plixus Core	Plixus Core
GetStatusOfCuAndDbConnection	☑	☐

Get the status of the CU connection and DB connection.

Structure:
http://localhost:8890/CoCon/Room/GetStatusOfCuAndDbConnection

Example:
http://localhost:8890/CoCon/Room/GetStatusOfCuAndDbConnection

Return:
{"GetStatusOfCuAndDbConnection":{"CuState":"Connected","DbState":"Connected"}}

4.3.2.4 SetInitializationState

API Module	Cocon for Plixus Core	Plixus Core
SetInitializationState	☑	☑

Set the initialization state.
Structure:
http://localhost:8890/CoCon/Room/SetInitializationState/?State={state}

Parameters:

Name	Description	Type
State	The initialization will be set. The state could be like: **Reset**(Manual init completely) **Auto**(Auto init compeletely) **Stop** **Retrieve**	string

Note:
Only "Reset" and "Stop" working in Cocon for Plixus Core and Plixus Core

Example:
http://localhost:8890/CoCon/Room/SetInitializationState/?State=Auto

Return:
0 : ok
-1: exception at CoCon side
1 : exception at 3rd party side.(please check parameters)

4.3.2.5 GetAllUnitsState

API Module	Cocon for Plixus Core	Plixus Core
GetAllUnitsState	☑	☑

Get all units state which is initialized in CoCon.
Parameters:

Name	Description	Type
Roomid	The connected room id on CoCon DB.	int

Return State ： 0 = unit is offline 1 = unit is online.

Structure:
http://localhost:8890/CoCon/Room/GetAllUnitsState/?RoomId={roomId}

Example:
http://localhost:8890/CoCon/Room/GetAllUnitsState/?RoomId=1

Return by events:
  {"GetAllUnitsState":{"Units":[{"State":1,"UnitId":0},{"State":1,"UnitId":1},{"State":1,"UnitId":2},{"State":1,"UnitId":3}]}}

4.3.2.6 SetDefaultVolumeForRoom

API Module	Cocon for Plixus Core	Plixus Core
SetDefaultVolumeForRoom	☑	☑

Set default volume on CU.

Parameters:

Name	Description	Type
Room	The connected room on CU (1)	int
Volume	The number of volume (0-25)	int

Return value: int
Structure:
http://localhost:8890/CoCon/Room/SetDefaultVolumeForRoom/?Room={roomNr}&Volume={volume}

Example:
http://localhost:8890/CoCon/Room/SetDefaultVolumeForRoom/?Room=1&Volume=24

Return by events:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

Update event :
{"VolumeChangedForRoom":{"Id":1,"Volume":24}}

4.3.2.7 GetDefaultMicrophoneModeForRoom

API Module	Cocon for Plixus Core	Plixus Core
GetDefaultmicrophoneModeForRoom	☑	☐

Get default mic mode for the active room.
Structure:
http://localhost:8890/CoCon/Room/GetDefaultmicrophoneModeForRoom

Example:
http://localhost:8890/CoCon/Room/GetDefaultmicrophoneModeForRoom

Return by events:

{"GetDefaultMicrophoneModeForRoom":{"MicrophoneMode":{"AllowCancelRequest":true,"AllowSwitchOffMic":true,"FIFO":true,"MaxNrActive":1,"Mode":"DirectSpeak","ReplyRequest":false}}}

4.3.2.8 SetDefaultMicrophoneModeForRoom

API Module	Cocon for Plixus Core	Plixus Core
SetDefaultmicrophoneModeForRoom	☑	☑

Set the default microphone mode for the room.

Parameters:

Name	Description	Type
Mode	The Mode of microphone Operator DirectSpeak Request Vox (Cocon 5.0 :Vox become activation type with Groupdiscussion.) OnlyRequest	string
MaxNrActive	The maximum number of active microphone	int
AllowRequest	bool indicating whether the delegates are allowed to request. Not applicable for all modes. Optional	bool
AllowCancelRequest	bool indicating whether the delegates are allowed to cancel their request. Not applicable for all modes. Optional	bool
FIFO	bool indicating whether the FIFO mode is active Not applicable for all modes. Optional	bool
AllowSwitchOffMic	bool indicating whether delegates can switch off their own microphones. Optional	bool

Structure:
Basic structure:
http://localhost:8890/CoCon/Room/SetDefaultMicrophoneModeForRoom/?Mode={mode}&MaxNrActive={MaxNrActive}

Optional structure:
http://localhost:8890/CoCon/Room/SetDefaultMicrophoneModeForRoom/?Mode={mode}&MaxNrActive={maxNrActive}&AllowRequest={allowRequest}&AllowCancelRequest={allowCancelRequest}&FIFO={IsFIFO}&AllowSwitchOffMic={allowSwitchOffMic}

Example:
http://localhost:8890/CoCon/Room/SetDefaultmicrophoneModeForRoom/?Mode=DirectSpeak&MaxNrActive=4& AllowRequest=False&AllowCancelRequest=False&AllowSwitchOffMic=True&FIFO=true

Return by events:
 0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.2.9 SetVolumeForRoom

API Module	Cocon for Plixus Core	Plixus Core
SetVolumeForRoom	☑	☑

Set volume on CU. This will be temp; once the CU re-start it will back as default value.

Parameters:

Name	Description	Type
Room	The connected room on CU (1)	int
Volume	The number of volume (0-25)	int

Return value: int

Structure:
http://localhost:8890/CoCon/Room/SetVolumeForRoom/?Room={roomNr}&Volume={volume}

Example:
http://localhost:8890/CoCon/Room/SetVolumeForRoom/?Room=1&Volume=24

Return by events:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.2.10 AddSynoptic

API Module	Cocon for Plixus Core	Plixus Core
AddSynoptic	☑	☐

Add new synoptic to current active room.
Note : It will only create new Synoptic if no any synoptic in active room.

Structure:
http://localhost:8890/CoCon/Room/AddSynoptic

Example:
http://localhost:8890/CoCon/Room/AddSynoptic

Return by events: string
{"AddSynoptic":{"RoomSynoptic":{"SynopticId":2,"SynopticName":"Manoj T2_1","IsMaster":true}}}

4.3.2.11 GetSynoptic

API Module	Cocon for Plixus Core	Plixus Core
GetSynoptic	☑	☐

Retrieves information (including seat position and label) regarding room synoptics

Parameter:

Name	Description	Type
SynopticId	Synoptic identifier (optional)	int

Structure:
http://localhost:8890/CoCon/Room/GetSynoptic/?SynopticId={synopticId}

Example:
http://localhost:8890/CoCon/Room/GetSynoptic/?SynopticId=4

Return by events: string

{"GetSynoptic":{"RoomSynoptic":[{"SynopticId":4,"SynopticName":"Allen","IsMaster":false,"SynopticNode":[{"SeatId":"2","X":273.0,"Y":306.0,"Lable":"Node"},{"SeatId":"3","X":534.0,"Y":203.0,"Lable":"Node"},{"SeatId":"5","X":179.0,"Y":219.0,"Lable":"Node"}]}]}}

4.3.2.12 GetAllSeats

API Module	Cocon for Plixus Core	Plixus Core
GetAllSeats	☑	☑

Get all seats from the Room.
Structure:
http://localhost:8890/CoCon/Room/GetAllSeats/?RoomId={roomId}

Example:
http://localhost:8890/CoCon/Room/GetAllSeats/?RoomId=1

Return by events: string

{"GetAllSeats":{"Seats":[{"IsChairMan":false,"SeatId":"0","SeatName":"Seat_0","UnitId":"0"},{"IsChairMan":false,"SeatId":"1","SeatName":"Seat_1","UnitId":"1"},{"IsChairMan":true,"SeatId":"2","SeatName":"Seat_2","UnitId":"2"},{"IsChairMan":false,"SeatId":"3","SeatName":"Seat_3","UnitId":"3"}]}}

4.3.2.13 GetBooths

API Module	Cocon for Plixus Core	Plixus Core
GetBooths	☑	☑

Get all boot inform from the current room.
Structure:
http://localhost:8890/CoCon/Room/GetBooths

Example:
http://localhost:8890/CoCon/Room/GetBooths

Return:

{"GetBooths":{"Booths":[{"Order":1,"Units":[{"UnitId":1}]}]}}

4.3.2.14 EditSeat

API Module	Cocon for Plixus Core	Plixus Core
EditSeat	☑ Note: Not all options are implemented, chairman should work	☑ Note: Not all options are implemented, chairman should work

This api call will allow user to edit seat properties based on the seat number.
Note: After edit seat, user should have to send the SaveRoomConfig command to make sure modification take correct action.

Parameters:

Name	Description	Type
SeatNumber	Existing seat number from the active room.	int
Intercom	Is intercom is enabled for the seat (True/ False)	bool
Description	Description	String
IsChairMen	Change seat priority (True/False)	bool

Return value: string
Structure:
http://localhost:8890/CoCon/Room/EditSeat/?SeatNumber={seatNumber}&Intercom={isIntercom}&Description={description}&IsChairMan={IsChairMan}

Example:
http://localhost:8890/CoCon/Room/EditSeat/?SeatNumber=3&Intercom=True&Description=hi&IsChairMan=True

Return by events: string
{"EditSeat":{"SeatId":3,"SeatName":"Seat
3","Description":"hi","UnitId":"","Type":"","IsIntercom":true,"IsChairman":true}}

1: for fail / Exception string in log.

4.3.2.15 GetAllUnits

API Module	Cocon for Plixus Core	Plixus Core
GetAllUnits	☑	☑

Get all Units from the CU.

Parameters:

Name	Description	Type
Type	The type of units to retrieve from the CU (e.g. IDesk) Optional	string

Returns: String.
Note:
- return 1 if a) no database or b) no room
- return an empty list in case no units in room (but there is a database and a room)
- return list of units --> normal case

Structure:
http://localhost:8890/CoCon/Room/GetAllUnits

Example:
http://localhost:8890/CoCon/Room/GetAllUnits

Return by events:
{"GetAllUnits":{"Units":[{"RoomId":1,"SystemUnitId":1,"SerialNumber":"15200241","UnitType":"Plixus NE"},{"RoomId":1,"SystemUnitId":2,"SerialNumber":"153a003d","UnitType":"Confidea T Delegate Unit"},{"RoomId":1,"SystemUnitId":3,"SerialNumber":"15511567","UnitType":"Confidea F-CS"},{"RoomId":1,"SystemUnitId":4,"SerialNumber":"141a0007","UnitType":"uniCOS F/MM"},{"RoomId":1,"SystemUnitId":5,"SerialNumber":"161a0004","UnitType":"uniCOS F/MM 10""},{"RoomId":1,"SystemUnitId":6,"SerialNumber":"157b034f","UnitType":"Confidea F-DIVC"},{"RoomId":1,"SystemUnitId":7,"SerialNumber":"157b002d","UnitType":"Confidea F-DIVC"},{"RoomId":1,"SystemUnitId":8,"SerialNumber":"14200197","UnitType":"Lingua ID"}]}}

4.3.2.16 SetOperatingMode

API Module	Cocon for Plixus Core	Plixus Core
SetOperatingMode	☑	☑

Set Operating mode for CU.

Note: On set operating mode need to stop the init by calling " Room/SetInitializationState/?State=Stop" on the necessary mode.
Ex. If user send this call "Room/SetOperatingMode/?Mode=3&Append=False" they have to send the stop init call to stop the init and it will update the CoCon DB.

Parameters:

Name	Description	Type
Mode	Set the Config mode (0 to 4) 0 -> default 1 -> open_access	int

---

	2 -> from_config (If Append is true and ConfigName is empty, it will just load the current configuration again) 3 -> auto_init 4 -> man_init	
Append	Set append mode	bool
ConfigName	Set the description of the configuration	string

Returns: int.

Structure:
http://localhost:8890/CoCon/Room/SetOperatingMode/?Mode={mode}&Append={bAppend}&ConfigName={configName}

Example:
http://localhost:8890/CoCon/Room/SetOperatingMode/?Mode=3&Append=True
Or
http://localhost:8890/CoCon/Room/SetOperatingMode/?Mode=3&Append=True&ConfigName=XYZ

Return by events: int
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.2.17 GetOperatingMode

API Module	Cocon for Plixus Core	Plixus Core
GetOperatingMode	☑	☑

Get Operating mode from CU

Structure:
http://localhost:8890/CoCon/Room/GetOperatingMode

Example:
http://localhost:8890/CoCon/Room/GetOperatingMode

Returns:
{"GetOperatingMode":{"OperatingInfo":{"Mode":2,"Append":true,"ConfigName":"Default Configuration"}}}

4.3.2.18 ClearAllMeetingAndDelegateData

API Module	Cocon for Plixus Core	Plixus Core
ClearAllMeetingAndDelegateData	☑	☐

This API will clear the all meeting & Meeting template data as well as clear the Delegate list from DB.
Note: this api keep the room configuration as it is. (Ex. Synoptic & units etc.)

Structure:
http://localhost:8890/CoCon/Room/ClearAllMeetingAndDelegateData/?IncludeService={isIncludeService}

Parameters:

Name	Description	Type
IncludeService	Service data can be keep or remove by choice. True = clear service data False = keep service related data. (Optional Parameter)	bool

Example:
http://localhost:8890/CoCon/Room/ClearAllMeetingAndDelegateData

Return:
  0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.2.19 SetSeatPriority

API Module	Cocon for Plixus Core	Plixus Core
SetSeatPriority	☑	☐

This API allows to configure the priority for the seats in the room

Structure:
http://localhost:8890/CoCon/Room/SetSeatPriority/?SeatNumber={seatNumber}&Priority={priority}

Parameters:

Name	Description	Type
SeatNumber	Seat id	Int
Priority	Desired priority from list 'Delegate', 'Vip', 'Chairman'	String

Example:
http://localhost:8890/CoCon/Room/SetSeatPriority/?SeatNumber=3&Priority=Vip

Return:
  0 → operation success
  1 → Operation fail (not valid value: non existing seat, invalid priority value)
  -1 → exception

4.3.3 Microphone

4.3.3.1 SetState

API Module	Cocon for Plixus Core	Plixus Core
SetState	☑	☑

Set the state of the microphone
Structure:
http://localhost:8890/CoCon/Microphone/SetState/?State={State}&SeatNr={seatNr}

Parameters:

Name	Description	Type
State	The state of microphone On Off Request Toggle	string
seatNr	The number of the seat	int

Example:
http://localhost:8890/CoCon/Microphone/SetState/?State=On&SeatNr=1

Return:
  0 → operation success or non-existing seat
  1 → Operation fail (not valid value)
 -1 → exception

4.3.3.2 SetMicrophoneMode

API Module	Cocon for Plixus Core	Plixus Core
SetMicrophoneMode	☑	☑

Set the mode of the microphone
Structure:
  Basic structure:
http://localhost:8890/CoCon/Microphone/SetMicrophoneMode/?Mode={mode}&MaxNrActive={MaxNrActive}

Optional structure:
http://localhost:8890/CoCon/Microphone/SetMicrophoneMode/?Mode={mode}&MaxNrActive={maxNrActive}&&AllowRequest={allowRequest}&AllowCancelRequest={allowCancelRequest}&FIFO={IsFIFO}&AllowSwitchOffMic={allowSwitchOffMic}

Parameters:

Name	Description	Type
Mode	The Mode of microphone Operator DirectSpeak Request Vox (Cocon 5.0 :Vox become activation type with Groupdiscussion.) OnlyRequest	string

MaxNrActive	The maximum number of active microphone	int
AllowRequest	bool indicating whether the delegates are allowed to request. Not applicable for all modes. Optional	bool
AllowCancelRequest	bool indicating whether the delegates are allowed to cancel their request. Not applicable for all modes. Optional	bool
FIFO	bool indicating whether the FIFO mode is active Not applicable for all modes. Optional	bool
AllowSwitchOffMic	bool indicating whether delegates can switch off their own microphones. Optional	bool

Example:
http://localhost:8890/CoCon/Microphone/SetMicrophoneMode/?Mode=OnlyRequest&MaxNrActive=4&AllowRequest=False&AllowCancelRequest=False&AllowSwitchOffMic=True

Return by events:
 0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.3.3 SetActivationType

API Module	Cocon for Plixus Core	Plixus Core
SetActivationType	☑	☑

 Set activation type is used for the change the microphone activation type available on the current microphone mode.
Structure:
http://localhost:8890/CoCon/Microphone/SetActivationType/?ActivationType={activationType}

Parameters:

Name	Description	Type
ActivationType	Optional User can set the activation type base on the active mic mode. Ex: Direct speaker :"Push Or Toggle" Request(Group discussion) : "Push Or Toggle Or Vox".	string

Example:
http://192.168.8.250:8890/CoCon/Microphone/SetActivationType/?ActivationType=Toggle

Return by events:
 Int: 0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.3.4 SetMicrophoneSensitivity

API Module	Cocon for Plixus Core	Plixus Core
SetMicrophoneSensitivity	☑	☑

Set microphone sensitivity for the seat (Microphone).
Structure:
http://localhost:8890/CoCon/Microphone/SetMicrophoneSensitivity/?SeatId={seatId}&Sensitivity={sensitivity}

Parameters:

Name	Description	Type
SeatId	The number of the seat	int
Sensitivity	Value of the sensitivity Range of value +12 to -12 Ex. (12,11,10,9…-10,-11,-12)	int

REST/JON Example:
http://localhost:8890/CoCon/Microphone/SetMicrophoneSensitivity/?SeatId=1&Sensitivity=0

Return: int
  0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.3.5 Get

API Module	Cocon for Plixus Core	Plixus Core
Get	☑	☑

Get all information of Cocon
Structure:
http://localhost:8890/CoCon/Microphone/Get

Example:
http://localhost:8890/CoCon/Microphone/Get

Return:
{"Get" : {"MicrophoneMode" : {"Mode" : "Operator", "MaxNrActive" : 4}, "State" : {"Speakers": [], "Requests" : [],"Replies":[]}}}

{"Get":{"MicrophoneMode":{"MaxNrActive":4,"Mode":"Request"},"State":{"Requests":[],"Speakers":[]}}}

4.3.3.6 GetState

API Module	Cocon for Plixus Core	Plixus Core
GetState	☑	☑

Get all microphones state of CoCon
Structure:
http://localhost:8890/CoCon/Microphone/GetState

Example:
http://localhost:8890/CoCon/Microphone/GetState

Return:
{"GetState":{"State":{"Speakers":[5],"Requests":[4],"Replies":[]}}}

4.3.3.7 ClearMicrophoneList

API Module	Cocon for Plixus Core	Plixus Core
ClearMicrophoneList	☑	☑

Clear microphone list.
Structure:
http://localhost:8890/CoCon/Microphone/ClearMicrophoneList/?Type={type}

Parameters:

Name	Description	Type
Type	SpeakersAndRequests (Include Chiarman) Speakers (not Include chairman) Requests	string

Example:
http://localhost:8890/CoCon/Microphone/ClearMicrophoneList/?Type=SpeakersAndRequests

Return: int
  0 → operation success; 1 → Operation fail (not valid value) -1 → exception

---

4.3.3.8 GetMicrophoneMode

API Module	Cocon for Plixus Core	Plixus Core
GetMicrophoneMode	☑	☑

Get microphone mode of CoCon
Structure:
http://localhost:8890/CoCon/Microphone/GetMicrophoneMode

Example:
http://localhost:8890/CoCon/Microphone/GetMicrophoneMode

Return:

{"GetMicrophoneMode":{"MicrophoneMode":{"AllowCancelRequest":true,"AllowSwitchOffMic":true,"FIFO":true,"MaxNrActive":4,"Mode":"Request","ReplyRequest":false}}}

4.3.3.9 GetActivationType

API Module	Cocon for Plixus Core	Plixus Core
GetActivationType	☑	☑

Get activation type used for changing the microphone activation.

Structure:
http://localhost:8890/CoCon/Microphone/GetActivationType

Example:
http://192.168.8.250:8890/CoCon/Microphone/GetActivationType

Return:
{\"GetActivationType\":{\"ActivationType\":\"Toggle\"}}

4.3.3.10 ActivateNextMicrophone

API Module	Cocon for Plixus Core	Plixus Core
ActivateNextMicrophone	☑	☑

Activate the next microphone in the request list
Structure:
http://localhost:8890/CoCon/Microphone/ActivateNextMicrophone

Example:
http://localhost:8890/CoCon/Microphone/ActivateNextMicrophone

Return: int
  0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.4 Meeting_Agenda

4.3.4.1 SetMeetingState

API Module	Cocon for Plixus Core	Plixus Core
SetMeetingState	☑	☐

Set the state of selected meeting
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/SetMeetingState/?State=<State>&MeetingId=<MeetingId>

Parameters:

Name	Description	Type
State	The state of meeting Running Ended Paused	string
MeetingId	The id of the meeting	int

Example:
http://localhost:8890/CoCon/Meeting_Agenda/SetMeetingState/?State=Running&MeetingId=8

Return: int
  0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.4.2 StartEmptyMeeting

API Module	Cocon for Plixus Core	Plixus Core
StartEmptyMeeting	☑	☐

Start an empty meeting directly
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/StartEmptyMeeting/?Title=<meetingTitle>&From=<meetingFrom>&To=<meetingTo>&LoginMethod=<loginMethod>

Parameters:

Name	Description	Type
Title	The title of the empty meeting	string
From	The time of the meeting to be started (the time must be a future time)	DateTime
To	The time of the meeting to be finished (the time must be after From time)	DateTime
LoginMethod	[Optional parameter] Default login method = 2 0 - Fixed seating, delegates are positioned on a fixed seat, delegates must authenticate 1 - Fixed seating, delegates are positioned on a fixed seating, no authentication needed 2 - Free seating, delegates must authenticate	int
AuthenticationMode	[Optional parameter] Default value = 0 0 - Internal authentication	int

	1 - External authentication	
AuthenticationType	[Optional parameter] Default value = 1 0 - None 1 - Badge 2 - Fingerprint 3 - Badge + Fingerprint 4 - Keypad 5 - Badge + Keypad 6 - Fingerprint + Keypad 7 - Badge + Fingerprint + Keypad	int

(Refer to the settings in the Meeting Manager)
- Fixed seating, delegates are positioned on a fixed seat, delegates must authenticate
  - LoginMethod -> 0
  - AuthenticationMode -> 0
  - AuthenticationType can be (1 - 7)
- Fixed seating, delegates are positioned on a fixed seating, no authentication needed
  - LoginMethod -> 1
  - AuthenticationMode -> 0
  - AuthenticationType -> 0
- Free seating, delegates must authenticate
  - LoginMethod -> 2
  - AuthenticationMode -> 0
  - AuthenticationType can be (1 - 7)
- Free seating, delegates must authenticate through external authentication
  - LoginMethod -> 1
  - AuthenticationMode -> 1
  - AuthenticationType can be (1 - 7)

Example:
http://localhost:8890/CoCon /Meeting_Agenda/StartEmptyMeeting/?Title=This is a empty meeting&From=2017/6/5 00:00:00&To=2017/6/5 00:10:00&LoginMethod=1

Return:
{"StartEmptyMeeting":{"Result":true,"MeetingId":23,"MeetingTitle":"This is a empty meeting","NewMeetingFrom":"2021/02/04 00:09:00","NewMeetingTo":"2021/10/28 00:10:00","LoginMethod":2, "AuthenticationType":3, "AuthenticationMode":1}}

4.3.4.3 GetMeetingsForToday

API Module	Cocon for Plixus Core	Plixus Core
GetMeetingsForToday	☑	☐

Return all meeting scheduled for today
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/GetMeetingsForToday

Example:
http://localhost:8890/CoCon/Meeting_Agenda/GetMeetingsForToday

Return:
{"GetMeetings":{"Meetings":[{"Id":1,"Title":"Fixed seat metign ","Description":"Fixed seat metign ","StartTime":"2018/12/10 10:18:32","State":"Ended","Nameplate_Layout":null},{"Id":3,"Title":"Title hjhhj","Description":"","StartTime":"2018/12/10 13:49:47","State":"Ended","Nameplate_Layout":null},{"Id":4,"Title":"This is a empty meeting","Description":"","StartTime":"2018/12/10 13:52:32","State":"Running","Nameplate_Layout":""}]}}

4.3.4.4 GetAllMeetingsForDate

API Module	Cocon for Plixus Core	Plixus Core
GetAllMeetingsForDate	☑	☐

Return all the meetings for a period of 24 hours after the given Date/Time combination
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/GetAllMeetingsForDate/?Time=<Time>
Time format : YYYY/MM/DD HH:mm:ss
Note that the HH:mm:ss can be omitted to retrieve all the meetings taking place on the given date.

Example:
http://localhost:8890/CoCon/Meeting_Agenda/GetAllMeetingsForDate/?Time=2018/06/08

Return:
{"GetMeetings":{"Meetings":[{"Id":2,"Title":"This is a empty meeting","Description":"","StartTime":"2018/12/10 13:52:17","State":"Running","Nameplate_Layout":""}]}}

Parameters:

Name	Description	Type
Time	The date time (YYYY/MM/DD HH:mm:ss)	DateTime

4.3.4.5 GetMeetingById

API Module	Cocon for Plixus Core	Plixus Core
GetMeetingById	☑	☐

Returns the meeting identified by the certain MeetingId.
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/GetMeetingById/?MeetingId=<MeetingId>

Parameters:

Name	Description	Type
MeetingId	The id of the meeting to get	int

Example:
http://localhost:8890/CoCon/Meeting_Agenda/GetMeetingById/?MeetingId=497

Return:
{"GetMeeting":{"Meeting":{"Id":497,"Title":"Title dtrte","Description":"","StartTime":"2017/08/29 12:53:47","State":"Ended"}}}

{"GetMeeting":{"Meeting":{"Id":2,"Title":"This is a empty meeting","Description":"","StartTime":"2018/12/10 13:52:17","State":"Running","Nameplate_Layout":""}}}

4.3.4.6 SetActiveAgendaItemByDirection

API Module	Cocon for Plixus Core	Plixus Core
SetActiveAgendaItemByDirection	☑	☐

Active agenda item by next and previous command
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/SetActiveAgendaItemByDirection/?Direction=<Direction>

Parameters:

Name	Description	Type
Direction	The direction of active agenda item Next Previous	string

Example:
http://localhost:8890/CoCon/Meeting_Agenda/SetActiveAgendaItemByDirection/?Direction=Next

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.4.7 SetActiveAgendaItemById

API Module	Cocon for Plixus Core	Plixus Core
SetActiveAgendaItemById	☑	☐

Active agenda item by Id of the agenda item
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/SetActiveAgendaItemById/?Id=<Id>

Parameters:

Name	Description	Type
Id	The Id of the agenda item to activate	string

Example:
http://localhost:8890/CoCon/Meeting_Agenda/SetActiveAgendaItemById/?Id=3

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.4.8 GetAgendaItemInformationInRunningMeeting

API Module	Cocon for Plixus Core	Plixus Core
GetAgendaItemInformationInRunningMeeting	☑	☐

Get all the agenda item information in running meeting
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/GetAgendaItemInformationInRunningMeeting

Example:
http://localhost:8890/CoCon/Meeting_Agenda/GetAgendaItemInformationInRunningMeeting

Return: string
Reply with the all agenda in running meeting.

{"GetAgendaItemInformationInRunningMeeting":{"AgendaItems":[{"Id":"1","Title":"Test Discussion 1","Description":"Test Discussion 1","Type":"AgendaItem","State":"notstarted","IdInDb":16,"Children":[]},{"Id":"2","Title":"Test Voting 1_3_Vote_Public","Description":"Test Voting 1_3_Vote_Public","Type":"VotingAgendaItem","State":"active","VotingOptions":[{"Id":45,"Name":"","Color":"#FF008000"},{"Id":46,"Name":"","Color":"#FFFFFF00"},{"Id":47,"Name":"","Color":"#FFFF0000"}],"Children":[{"Id":"2.1","Title":"Test Voting 2_2_Vote_Public","Description":"Test Voting 2_2_Vote_Public","Type":"VotingAgendaItem","State":"notstarted","VotingOptions":[{"Id":40,"Name":"","Color":"#FF008000"},{"Id":41,"Name":"","Color":"#FFFF0000"}],"Children":[],"IdInDb":18}],"IdInDb":17}]}}

4.3.4.9 GetAgendaItemInformationInMeetingById

API Module	Cocon for Plixus Core	Plixus Core
GetAgendaItemInformationInMeetingById	☑	☐

Get all the agenda item information in the meeting identified by a given MeetingId.
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/GetAgendaItemInformationInMeetingById/?MeetingId=<MeetingId>

Parameters:

Name	Description	Type
MeetingId	The Id of the meeting	int

Example:
http://localhost:8890/CoCon/Meeting_Agenda/GetAgendaItemInformationInMeetingById/?MeetingId=498

Return: string
Reply with the all agenda in running meeting.

{"GetAgendaItemInformationInMeetingById":{"AgendaItems":[{"Id":"1","Title":"Test Discussion 1","Description":"Test Discussion 1","Type":"AgendaItem","State":"notstarted","IdInDb":16,"Children":[]},{"Id":"2","Title":"Test Voting 1_3_Vote_Public","Description":"Test Voting 1_3_Vote_Public","Type":"VotingAgendaItem","State":"ended","VotingOptions":[{"Id":45,"Name":"","Color":"#FF008000"},{"Id":46,"Name":"","Color":"#FFFFFF00"},{"Id":47,"Name":"","Color":"#FFFF0000"}],"Children":[{"Id":"2.1","Title":"Test Voting 2_2_Vote_Public","Description":"Test Voting 2_2_Vote_Public","Type":"VotingAgendaItem","State":"active","VotingOptions":[{"Id":40,"Name":"","Color":"#FF008000"},{"Id":41,"Name":"","Color":"#FFFF0000"}],"Children":[],"IdInDb":18}],"IdInDb":17}]}}

4.3.4.10 GetAgendaItemById

API Module	Cocon for Plixus Core	Plixus Core
GetAgendaItemById	☑	☐

Get the agenda item by agenda item id.
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/GetAgendaItemById/?Id=<Id>

Parameters:

Name	Description	Type
Id	The Id of the agenda item	string

Example:
http://localhost:8890/CoCon/Meeting_Agenda/GetAgendaItemById/?Id=2

Return: string
{"GetAgendaItemById":{"AgendaItem":{"Id":"2","Title":"Test Voting 1_3_Vote_Public","Description":"Test Voting 1_3_Vote_Public","Type":"VotingAgendaItem","State":"ended","VotingOptions":[{"Id":45,"Name":"","Color":"#FF008000"},{"Id":46,"Name":"","Color":"#FFFFFF00"},{"Id":47,"Name":"","Color":"#FFFF0000"}],"Children":[{"Id":"2.1","Title":"Test Voting 2_2_Vote_Public","Description":"Test Voting 2_2_Vote_Public","Type":"VotingAgendaItem","State":"active","VotingOptions":[],"Children":[],"IdInDb":18}],"IdInDb":17}}}

4.3.4.11 StartMeetingViaMeetingTemplate

API Module	Cocon for Plixus Core	Plixus Core
StartMeetingViaMeetingTemplate	☑	☐

Start the meeting via template meeting name

Structure:
http://localhost:8890/CoCon/Meeting_Agenda/StartMeetingViaMeetingTemplate/?TemplateName={templateName}

Parameters:

Name	Description	Type
TemplateName	Name of the existing meeting template	string

Example:
http://localhost:8890/CoCon/Meeting_Agenda/StartMeetingViaMeetingTemplate/?TemplateName=Test meeting

Return:
{"StartMeetingViaMeetingTemplate":{"Result":true,"MeetingId":500}}
new created meetingId

4.3.4.12 StartMeetingViaXMLimport

API Module	Cocon for Plixus Core	Plixus Core
StartMeetingViaXMLimport	☑	☐

Start the meeting from an imported XML template. The XML file, containing the meeting data to be imported, should be uploaded to an integrated FTP-server, hosted by the CoCon Server.

FTP Server IP: CoCon Server IP
Port: 2125
User Name: televic
Password: tlv
Path: default path.

Hint: if you want to put the file directly on to the CoCon Server, the actual path on the CoCon Server PC (for Windows 7)is:

C:\Users\<CoCon Server login user>\AppData\Local\Televic Conference\CoCon\Doc\Server

Structure:
http://localhost:8890/CoCon/Meeting_Agenda/StartMeetingViaXMLimport/?XMLName={xml_name}&Type={type}

Return:
new created meetingId, or -1 when the import has failed

Parameters:

Name	Description	Type
XMLName	The name of the XML file to be used for import	string
Type	The type of the XML file for import. Possible values: "Generated": the XML-format used by the Save Offline function in the Meeting Manager Note : Group list or Grouprelated info should not be a part of generated xml meeting else meeting start will fail. "Readable": the XML format as described in section 10.6.3 "Readable XML" of the CoCon manual	string

Example:
http://192.168.8.171:8890/CoCon/Meeting_Agenda/StartMeetingViaXMLimport/?XMLName=test-meeting.xml&Type=Readable

4.3.4.13 AddAgendaItem

API Module	Cocon for Plixus Core	Plixus Core
AddAgendaItem	☑	☐

Add a new agenda item to the agenda.

Structure:
http://localhost:8890/CoCon/Meeting_Agenda/AddAgendaItem/?Title={title}&Des={description}&Sequence={sequence}&Type={type}&VotingTemplate={template}

Parameters:

Name	Description	Type
Title	The title of agenda item	string
Des	The description of agenda item	string
Sequence	The sequence string of agenda item, eg: 1.2.1	string
Type	The type of agenda item: Discussion Lecture Voting	string
VotingTemplate (optional)	The template of voting (optional, if Type is Voting)	string

Example:
http://localhost:8890/CoCon/Meeting_Agenda/AddAgendaItem/?Title=Test Agedna 1&Des=Test Agedna 1&Sequence=2.1&Type=Discussion

Return:
{"AddNewAgendaItem":{"Id":"2.1"}}

4.3.4.14 GetLoginMethodForMeeting

API Module	Cocon for Plixus Core	Plixus Core
GetLoginMethodForMeeting	☑	☐

Get login method for the delegates in a meeting
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/GetLoginMethodForMeeting/?MeetingId=<MeetingId>
Parameters:

Name	Description	Type
MeetingId	The Id of the meeting	int

Example:
http://localhost:8890/CoCon/Meeting_Agenda/GetLoginMethodForMeeting/?MeetingId=500

Return: string
A string which is one of the following Strings:

---

1. FixedSeatWithBadge
2. FixedSeatWithoutBadge
3. FreeSeating
4. ""(Empty string,It means get login method failure)

{"GetLoginMethodForMeeting":"FreeSeating"}
{"GetLoginMethodForMeeting":"FixedSeatWithoutBadge"}

4.3.4.15 RemoveAgendaItemById

API Module	Cocon for Plixus Core	Plixus Core
RemoveAgendaItemById	☑	☐

Remove the agenda item by agenda item id.
Note: It will delete the child item as well.
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/RemoveAgendaItemById/?Id=<Id>

Parameters:

Name	Description	Type
Id	The Id of the agenda item	string

Example:
http://localhost:8890/CoCon/Meeting_Agenda/RemoveAgendaItemById/?Id=2

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.4.16 DeleteAllAgendaItems

API Module	Cocon for Plixus Core	Plixus Core
DeleteAllAgendaItems	☑	☐

Delete all the agenda items in meeting
Structure:
http://localhost:8890/CoCon/ Meeting_Agenda/DeleteAllAgendaItems/?Id=<meetingId>

Parameters:

Name	Description	Type
Id	The Id of the meeting	int

Example:
http://localhost:8890/CoCon/Meeting_Agenda/DeleteAllAgendaItems/?Id=500

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.4.17 MoveAgendaItem

API Module	Cocon for Plixus Core	Plixus Core
MoveAgendaItem	☑	☐

Move agenda item location; it provides four type of movement, Up/Down/LevelUp/LevelDown
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/MoveAgendaItem/?Id=<agendaId>&Move=<movement>

Parameters:

Name	Description	Type
Id	The Id of the agenda item	string
Move	Include four options (Up/Down/LevelUp/LevelDown)	string

Example:
http://localhost:8890/CoCon/Meeting_Agenda/MoveAgendaItem/?Id=2.1&Move=LevelUp

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.4.18 EditAgendaItem

API Module	Cocon for Plixus Core	Plixus Core
EditAgendaItem	☑	☐

Edit agenda item based on the order for the running meeting.
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/EditAgendaItem/?Id=<id>&Title={title}&Des={Des}

Parameters:

Name	Description	Type
Id	The Id(order / sequence id) of the agenda.	string
Title	Title user defined	string
Des	Description for the agenda.	string

Return : String.
Example:
http://localhost:8890/CoCon/Meeting_Agenda/EditAgendaItem/?Id=1.1&Title=test agenda item&Des=New agenda item

Reply : agenda item with data.
{"EditedAgendaItem":"Id":"1.1","Title":"TestTitle","Des":"Description of the item."}

4.3.4.19 AddDelegateToMeeting

API Module	Cocon for Plixus Core	Plixus Core
AddDelegateToMeeting	☑	☐

Add delegate to the meeting.
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/AddDelegateToMeeting/?DelegateId={DelegateId}&MeetingId={MeetingId}

Parameters:

Name	Description	Type
DelegateId	The Delegate id from DB	int
MeetingId	Meeting id.	int

Return : int

Example:
http://localhost:8890/CoCon/Meeting_Agenda/AddDelegateToMeeting/?DelegateId=43&MeetingId=11

Returns:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

{"DelegatesInMeetingUpdated":{"MeetingId":11}}

4.3.4.20 AddDelegatesToMeeting

API Module	Cocon for Plixus Core	Plixus Core
AddDelegateToMeeting	☑	☐

Add delegates to the meeting. (Multiple delegates can be added at same time)
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/AddDelegatesToMeeting/? DelegatesId={DelegatesId}&MeetingId={MeetingId}

Parameters:

Name	Description	Type
DelegatesId	The Delegates id from DB	string
MeetingId	Meeting id.	int

Example:
http://localhost:8890/CoCon/Meeting_Agenda/AddDelegatesToMeeting/?DelegatesId=487,486,485&MeetingId=483

Returns:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

0,sucess but these delegates: 487 486   failed,because they not exist in the database
{"DelegatesInMeetingUpdated":{"MeetingId":11}}

4.3.4.21 RemoveDelegateFromMeeting

API Module	Cocon for Plixus Core	Plixus Core
RemoveDelegateFromMeeting	☑	☐

Remove delegate from the meeting.
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/RemoveDelegateFromMeeting/?DelegateId={DelegateId}&MeetingId={MeetingId}

Parameters:

Name	Description	Type
DelegateId	The Delegate id from DB	int
MeetingId	Meeting id.	int

Return : int

Note: Removing a delegate from the meeting is NOT allowed if the delegate has already participated in voting session in this meeting.

Example:
http://localhost:8890/CoCon/Meeting_Agenda/RemoveDelegateFromMeeting/?DelegateId=43&MeetingId=11

Returns:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

{"DelegatesInMeetingUpdated":{"MeetingId":11}}

4.3.4.22 GetDelegateSeating

API Module	Cocon for Plixus Core	Plixus Core
GetDelegateSeating	☑	☐

Get delegate seating form the synoptic.
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/GetDelegateSeating/?MeetingId={MeetingId}

Parameters:

Name	Description	Type
MeetingId	Meeting id.	int

Return : int

Example:
http://localhost:8890/CoCon/Meeting_Agenda/GetDelegateSeating/?MeetingId=11

Returns:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

{"GetDelegateSeating":{"DelegateSeating":[{"DelegateId":44,"SeatId":0},{"DelegateId":43,"SeatId":1},{"DelegateId":45,"SeatId":0}]}}

4.3.4.23 AddDelegateToSeat

API Module	Cocon for Plixus Core	Plixus Core
AddDelegateToSeat	☑	☐

Add Delegate to seat.
Note: if delegate is in DB that will be added to meeting user(if not a meeting user) and set on seat.

Structure:
http://localhost:8890/CoCon/Meeting_Agenda/AddDelegateToSeat/?MeetingId=12&DelegateId=45&SeatId=4
Parameters:

Name	Description	Type
MeetingId	Meeting id	int
DelegateId	Delegate id from db	int
SeatId	Seat id on room (Synoptic)	int

Return : int

Example:
http://localhost:8890/CoCon/Meeting_Agenda/AddDelegateToSeat/?MeetingId=13&DelegateId=45&SeatId=2

Returns:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

{"DelegatesInMeetingUpdated":{"MeetingId":13}}

4.3.4.24 AddDelegatesToSeats

API Module	Cocon for Plixus Core	Plixus Core
AddDelegatesToSeats	☑	☐

Add Delegates to seats API call will allow to assign delegates on seats like list as one time.
Note: if delegate is in DB that will be added to meeting user (if not a meeting user) and set on seat.
Structure:
http://localhost:8890/CoCon/Meeting_Agenda/AddDelegatesToSeats/?MeetingId={meetingId}&DelegateIds=1,2,3&SeatIds=2,3,4

Parameters:

Name	Description	Type
MeetingId	Meeting id	int
DelegateIds	Delegate id from db	int
SeatIds	Seat id on room (Synoptic)	int

Example:
http://localhost:8890/CoCon/Meeting_Agenda/AddDelegatesToSeats/?MeetingId=13&DelegateIds=2,101,125,3&SeatIds=2,3,4

Returns:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

{"DelegatesInMeetingUpdated":{"MeetingId":13}}

4.3.4.25 RemoveDelegateFromSeat

API Module	Cocon for Plixus Core	Plixus Core
RemoveDelegateFromSeat	☑	☐

Remove the delegate from seat.
Important note: removing delegate(s) from seat is only allowed in case of fixed seating meeting (not in case of free seating meeting)

Structure:
http://localhost:8890/CoCon/Meeting_Agenda/RemoveDelegateFromSeat/?MeetingId={MeetingId}&DelegateId={delegateId}

Parameters:

Name	Description	Type
MeetingId	Meeting id.	int
DelegateId	The Delegate id from DB	int

Return : int

Example:
http://localhost:8890/CoCon/Meeting_Agenda/RemoveDelegateFromSeat/?MeetingId=12&DelegateId=43

Returns:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.4.26 RemoveDelegatesFromSeat

API Module	Cocon for Plixus Core	Plixus Core
RemoveDelegatesFromSeat	☑	☐

Remove the delegates from seat. (Multiple delegates can remove in 1 api call)
Important note: removing delegate(s) from seat is only allowed in case of fixed seating meeting (not in case of free seating meeting)

Structure:
http://localhost:8890/CoCon/Meeting_Agenda/RemovesDelegateFromSeat/?MeetingId={MeetingId}&DelegateIds={delegateId}

Parameters:

Name	Description	Type
MeetingId	Meeting id.	int
DelegateIds	The Delegate ids from DB	int

Return : int

Example:
http://localhost:8890/CoCon/Meeting_Agenda/RemoveDelegatesFromSeat/?MeetingId=59&DelegateIds=101,347,381

Returns:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.4.27 RemoveAllDelegatesFromSeat

API Module	Cocon for Plixus Core	Plixus Core
RemoveAllDelegatesFromSeat	☑	☐

Remove all delegates from a seats based on meeting id. (this api will not work for ended meeting)
Important note: removing delegate(s) from seat is only allowed in case of fixed seating meeting (not in case of free seating meeting)

Structure:
http://localhost:8890/CoCon/Meeting_Agenda/RemoveAllDelegatesFromSeat/?MeetingId={MeetingId}

Parameters:

Name	Description	Type
MeetingId	Meeting id.	int

Return : int

Example:
http://localhost:8890/CoCon/Meeting_Agenda/RemoveAllDelegatesFromSeat/?MeetingId=59

Returns:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.4.28 ApplyDelegatesToSystem

API Module	Cocon for Plixus Core	Plixus Core
ApplyDelegatesToSystem	☑	☐

Apply the seat modification to H/W.

Structure:
http://localhost:8890/CoCon/Meeting_Agenda/ApplyDelegatesToSystem

Returns:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.4.29 EndActiveMeeting

API Module	Cocon for Plixus Core	Plixus Core
EndActiveMeeting	☑	☐

End the current active meeting.

Structure:
http://localhost:8890/CoCon/Meeting_Agenda/EndActiveMeeting

Returns:
{"EndActiveMeeting":{"MeetingId":12}}

4.3.4.30 ResendMeetingData

API Module	Cocon for Plixus Core	Plixus Core
ResendMeetingData	☑	☐

Resend meeting data for current active meeting. (helping to open the IDC log in screen if it not open after restart IDC and delegate already on seat).

Structure:
http://localhost:8890/CoCon/Meeting_Agenda/ResendMeetingData

Returns:
  0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.4.31 GetVotingAgendaTemplateList

API Module	Cocon for Plixus Core	Plixus Core
GetVotingAgendaTemplateList	☑	☐

API will help user to get the full details of all existing voting templates from cocon DB, so user can edit or reuse the exiting voting templates.

Structure:
http://localhost:8890/CoCon/Meeting_Agenda/GetVotingAgendaTemplateList

Returns: string
It will return with all Voting templates from Cocon Database, including all settings and details values.

4.3.4.32 GetAgendaDetailById

API Module	Cocon for Plixus Core	Plixus Core
GetAgendaDetailById	☑	☐

 This api will help user to get all details information of any agenda item to check all setting is correct or any modification is required.

Structure:
http://localhost:8890/CoCon/Meeting_Agenda/GetAgendaDetailById/?Id=1&MeetingId=9

Returns: string
>>>{"GetAgendaDetailById":{"AgendaItem":{"NrOfVotingOption":3,"IsCorrection":true,"IsOutcomeEnable":false,"IsQuorumEnable":false,"IsQuorumAbsolute":true,"QuorumValue":0.0000,"QuorumDeterminedBy":4,"IsMajorityEnable":true,"IsMajorityAbsolute":true,"MajorityValue":1.0000,"HungVoteSetting":4,"BadgeOption":4,"VotingTemplateTitle":"test 2","IsPrint":false,"SeeIndividualVoteResultOption":5,"SeeOverallVoteResultOption":4,"IsOperatorIndicate":false,"IsSignageIndicate":false,"VotePanelIndicateChoice":0,"AllocateAbstainOption":1,"AllocateAbstainVoteIndex":0,"VoteState":"New","IsVotingChoiceNumber":false,"PassMsg":"","HungMsg":"","FailMsg":"","IsEnableQuorumMsg":false,"QuorumFailedMsg":"","MajorityOption":2,"VotingStartTime":"0001-01-01T00:00:00","VotingEndTime":"0001-01-01T00:00:00","IsVotingWithPin":false,"IsMajorityAchievedDetailsEnabled":false,"IsIncludingVotingWeight":true,"I

sUnanimous":false,"IsMultipleSelectionEnabled":false,"MultipleSelectionNumber":0,"VotingOptions":[{"Id":169," Name":"#FF008000","Description":"","OptionChoice":1,"IsAbstain":false,"Index":1,"LedColor":"Blue","MajorityAc hievedDetail":""},{"Id":170,"Name":"#FFFFFF00","Description":"","OptionChoice":2,"IsAbstain":false,"Index":2,"L edColor":"Blue","MajorityAchievedDetail":""},{"Id":171,"Name":"#FFFF0000","Description":"","OptionChoice":3,"Is Abstain":false,"Index":3,"LedColor":"Blue","MajorityAchievedDetail":""}],"AgendaItemSpeechTimeSettings":{"$id" :"1","EntityKey":null,"IsGlobal":true,"CoCoSEditState":0,"CountForEverySpeaker":false,"Id":0,"AgendaItem":null, "IsEnabled":false,"Meeting":[],"SpeechTime":"00:05:00","VotingTemplate":null,"WarningTime":"00:01:00","AutoS witchOff":false,"IncludeChairman":false,"CanGoNegative":false,"SpeechTimeUsed":"00:00:00","ResetAfterTurn Off":false,"CountDown":false,"IsRunning":false,"TotalSpeechTimeUsed":"00:00:00","HasBeenDisabled":false,"Is Different":false},"VotingAgendaTimeSettings":{"$id":"2","EntityKey":null,"VotingAgendaItem":null,"CoCoSEditSta te":0,"Meetings":[],"Id":0,"VotingTemplate":null,"IsEnabled":false,"SpeechTime":"00:05:00","WarningTime":"00:0 5:00","AutoSwitchOff":false,"IncludeChairman":false,"CanGoNegative":false,"SpeechTimeUsed":"00:00:00","Re setAfterTurnOff":false,"CountDown":true,"IsRunning":false,"TotalSpeechTimeUsed":"00:00:00","HasBeenDisabl ed":false,"IsDifferent":false},"Id":"1","Title":"test 2","Description":"","Type":"VotingAgendaItem","State":"notstarted","IdInDb":50}}}

4.3.4.33 GetAllMeetings

API Module	Cocon for Plixus Core	Plixus Core
GetAllMeetings	☑	☐

This api returns all meetings (not the meeting templates) with their state.

Structure:
http://localhost:8890/CoCon/Meeting_Agenda/GetAllMeetings

Example:

Returns: string
{"GetAllMeetings":{"Meetings":[{"Id":2,"Title":"fixed seating ignore authentication","Description":"","StartTime":"2021/04/16 17:05:19","EndTime":"2021/04/16 17:08:04","State":"Ended"},{"Id":3,"Title":"fixed seating ignore authentication","Description":"","StartTime":"2021/04/19 11:30:17","EndTime":"","State":"Paused"},{"Id":4,"Title":"fixed seating ignore authentication","Description":"","StartTime":"2021/04/19 11:45:00","EndTime":"","State":"New"},{"Id":5,"Title":"New meeting - 4/19/2021","Description":"","StartTime":"2021/04/19 12:00:00","EndTime":"","State":"New"}]}}

4.3.4.34 EditMeetingTitle

API Module	Cocon for Plixus Core	Plixus Core
EditMeetingTitle	☑	☐

This api allows to change the meeting title of:
- The running meeting (no MeetingId is provided)
- A prepared meeting (when MeetingId is provided)

Structure:
http://localhost:8890/CoCon/Meeting_Agenda/EditMeetingTitle/?MeetingId={meetingId}&Title={title}

Parameters:

Name	Description	Type
MeetingId	Meeting ID which is optional in case you want to change the meeting title of the running meeting	Int
Title	(new) meeting title	string

Example:
http://localhost:8890/CoCon/Meeting_Agenda/EditMeetingTitle/?MeetingId=4&Title=Testing_meeting_1

Return:
   0 → operation success
   1 → Operation fail
         * No Title parameter specified
         * No MeetingId specified and no running meeting in the room
         * MeetingId specified, but is not valid/know
         * MeetingId specified, but is a template meeting
         * MeetingId specified, but meeting is In 'paused' or 'ended' state
   -1 → exception

4.3.4.35 GetSeatsLoginStatus

API Module	Cocon for Plixus Core	Plixus Core
GetSeatsLoginStatus	☑	☐

This api returns all seats information where user is logged in or not. It contain information like SeatId, Delegate ID , loginstate.

Structure:
http://localhost:8890/CoCon/Meeting_Agenda/GetSeatsLoginStatus

Example:
http://localhost:8890/CoCon/Meeting_Agenda/GetSeatsLoginStatus

Returns: string

{"GetSeatsLoginStatus":{"Seats":[{"SeatId":1,"DelegateId":0,"LoginState":false},{"SeatId":2,"DelegateId":4831,"LoginState":true},{"SeatId":3,"DelegateId":4832,"LoginState":true},{"SeatId":4,"DelegateId":0,"LoginState":false},{"SeatId":5,"DelegateId":4829,"LoginState":true},{"SeatId":7,"DelegateId":0,"LoginState":false},{"SeatId":9,"DelegateId":4830,"LoginState":true},{"SeatId":10,"DelegateId":0,"LoginState":false}]}}

4.3.5 Voting

4.3.5.1 SetVotingState

API Module	Cocon for Plixus Core	Plixus Core
SetVotingState	☑	☐

Set the voting state of current active voting agenda item
Structure:
http://localhost:8890/CoCon/Voting/SetVotingState/?State=<State>

Parameters:

Name	Description	Type
State	The state of voting Start Stop Pause Resume Restart Clear	string

Following voting states and transitions are allowed:

Start : VotingIdle {means voting is clear}

Stop : VotingPaused and VotingStarted

Pause : VotingStarted

Resume : VotingPaused

Clear : VotingStopped

Restart : VotingStarted and VotingStopped

Example:
http://localhost:8890/CoCon/Voting/SetVotingState/?State=Start
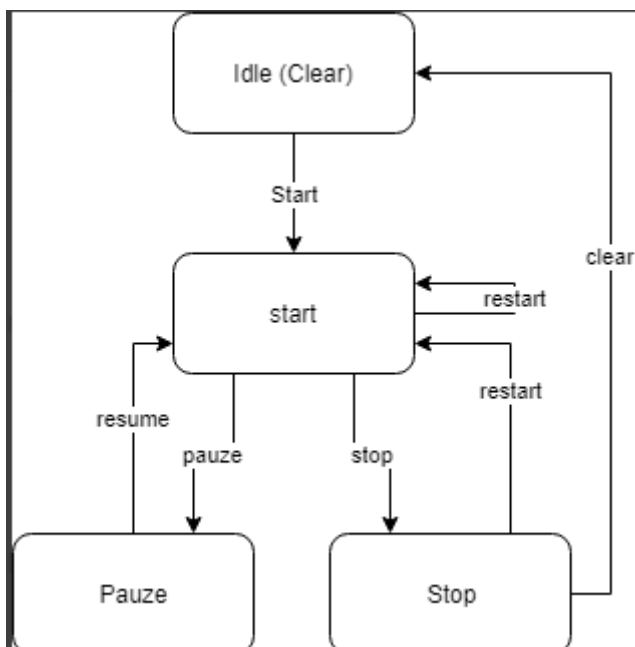
Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

---

4.3.5.2 AddInstantVote

API Module	Cocon for Plixus Core	Plixus Core
AddInstantVote	☑	☐

Adds a new instance voting item
Structure:
http://localhost:8890/CoCon/Voting/AddInstantVote/?VotingTemplate=<VotingTemplate>

Parameters:

Name	Description	Type
VotingTemplate	The voting template name that instance voting based on	string

Example:
http://localhost:8890/CoCon/Voting/AddInstantVote/?VotingTemplate=3_Vote_Public

Return:
{"AddInstantVote":{"Result":true}}

4.3.5.3 AddVotingTemplate

API Module	Cocon for Plixus Core	Plixus Core
AddVotingTemplate	☑	☐

Will allow user to add new voting template.

Note: Some special character need to replace with other

Character	Escape Code	Character	Escape Code
SPACE	%20	[	%5B
<	%3C	]	%5D
>	%3E	`	%60
#	%23	;	%3B
%	%25	/	%2F
{	%7B	?	%3F
}	%7D	:	%3A
|	%7C	@	%40
\	%5C	=	%3D
^	%5E	&	%26
~	%7E	$	%24

Structure:

http://localhost:8890/CoCon/Voting/AddVotingTemplate/?
Title={title}&NrOfOptions={nrOfOptions}&IsPrinted={isPrintedWhenStop}&IsVotingNumber={isVotingNumber}&AbstainOption={abstainOption}&AbstainIndex={abstainIndex}&
Description1={description1}&Option1={option1}&SymbolIndex1={symbolIndex1}&LedColour1={ledColor1}&IsAbstain1={isAbstain1}&MsgOfMajority1={msgOfMajority1}&
Description2={description2}&Option2={option2}&SymbolIndex2={symbolIndex2}&LedColour2={ledColor2}&IsAbstain2={isAbstain2}&MsgOfMajority2={msgOfMajority2}&
Description3={description3}&Option3={option3}&SymbolIndex3={symbolIndex3}&LedColour3={ledColor3}&IsAbstain3={isAbstain3}&MsgOfMajority3={msgOfMajority3}&
Description4={description4}&Option4={option4}&SymbolIndex4={symbolIndex4}&LedColour4={ledColor4}&IsAbstain4={isAbstain4}&MsgOfMajority4={msgOfMajority4}&
Description5={description5}&Option5={option5}&SymbolIndex5={symbolIndex5}&LedColour5={ledColor5}&IsAbstain5={isAbstain5}&MsgOfMajority5={msgOfMajority5}&
Description6={description6}&Option6={option6}&SymbolIndex6={symbolIndex6}&LedColour6={ledColor6}&IsAbstain6={isAbstain6}&MsgOfMajority6={msgOfMajority6}&
Description7={description7}&Option7={option7}&SymbolIndex7={symbolIndex7}&LedColour7={ledColor7}&IsAbstain7={isAbstain7}&MsgOfMajority7={msgOfMajority7}&
Description8={description8}&Option8={option8}&SymbolIndex8={symbolIndex8}&LedColour8={ledColor8}&IsAbstain8={isAbstain8}&MsgOfMajority8={msgOfMajority8}&
Description9={description9}&Option9={option9}&SymbolIndex9={symbolIndex9}&LedColour9={ledColor9}&IsAbstain9={isAbstain9}&MsgOfMajority9={msgOfMajority9}&
Description10={description10}&Option10={option10}&SymbolIndex10={symbolIndex10}&LedColour10={ledColor10}&IsAbstain10={isAbstain10}&MsgOfMajority10={msgOfMajority10}&
BadgeOption={badgeOption}&OverallOption={overallOption}&IndividualOption={individualOption}&CanCorrect={canCorrect}&HasPin={hasPin}&IsWeightUsed={isWeightUsed}&
IsOperatorIndicated={isOperatorIndicated}&IsSignageIndicated={isSignageIndicated}&PanelIndicationOption={panelIndicationOption}&
EnableAgendaTimer={isEnabledOfAgendaTimer}&DurationOfAgendaTimer={durationOfAgendaTimer}&WarningOfAgendaTimer={warningOfAgendaTimer}&CountDownOfAgendaTimer={isCountDownOfAgendaTimer}&ExceedOfAgendaTimer={canExceedOfAgendaTimer}&
EnableVotingTimer={isEnabledOfVotingTimer}&DurationOfVotingTimer={durationOfVotingTimer}&WarningOfVotingTImer={warningOfVotingTimer}&CountDownOfVotingTimer={isCountDownOfVotingTimer}&ExceedOfVotingTimer={canExceedOfVotingTimer}&
EnableQuorum={isEnabledOfQuorum}&AbsoluteOfQuorum={isAbsoluteOfQuorum}&ValueOfQuorum={valueOfQuorum}&OptionOfQuorum={optionOfQuorum}&EnableQuorumMsg={isEnabledOfQuorumMsg}&QuorumMsg={quorumMsg}&
AbsoluteOfOutcome={isAbsoluteOfOutcome}&ValueOfMajority={valueOfMajority}&MajorityOption={majorityOption}&
EnableOutcomMsg={isEnabledOfOutcomeMsg}&PassedMsg={passedMsg}&FailedMsg={failedMsg}&HungMsg={hungMsg}&EnabledMajorityMsg={isEnabledOfMajorityMsg}&
HungVoteSetting={hungVoteSetting}&IsUnanimous={ isUnanimous}

Parameters:

Name	Description	Type
Title	Name of the Voting template and will keep the title doe that agenda	string
NrOfOptions	Number of voting options	int
IsPrinted	Enabled the function for print after voting stop.	bool
IsVotingNumber	Enabled Symbol or Number for voting choice Note: not applicable after 5.0 cocon	bool
AbstainOption	Choose the Voting abstain Options Value :1 to 3	int
AbstainIndex	Select abstain index for move voting for Value : 1 to .. based on the voting options.	int
Description1	Description for voting option 1	string
Option1 (Option Color)	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value.	string

	Note: Make sure for correct RGB value.	
SymbolIndex1	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour1	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan	string
IsAbstain1	Enabled the abstain function	bool
MsgOfMajority1	Message for majority	string
Description2	Description for voting option 2	string
Option2	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex2	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour2	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan	string
IsAbstain2	Enabled the abstain function	bool
MsgOfMajority2	Message for majority	string
Description3	Description for voting option 3	string
Option3	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex3	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour3	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan	string
IsAbstain3	Enabled the abstain function	bool
MsgOfMajority3	Message for majority	string
Description4	Description for voting option 4	string
Option4	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex4	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour4	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan	string
IsAbstain4	Enabled the abstain function	bool
MsgOfMajority4	Message for majority	string
Description5	Description for voting option 5	string
Option5	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string

SymbolIndex5	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour5	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan	string
IsAbstain5	Enabled the abstain function	bool
MsgOfMajority5	Message for majority	string
Description6	Description for voting option 6	string
Option6	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex6	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour6	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan Note: LED color not support for more than 5 button options.	string
IsAbstain6	Enabled the abstain function	bool
MsgOfMajority6	Message for majority	string
Description7	Description for voting option 7	string
Option7	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex7	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour7	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan Note: LED color not support for more than 5 button options.	string
IsAbstain7	Enabled the abstain function	bool
MsgOfMajority7	Message for majority	string
Description8	Description for voting option 8	string
Option8	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex8	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour8	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan Note: LED color not support for more than 5 button options.	string
IsAbstain8	Enabled the abstain function	bool
MsgOfMajority8	Message for majority	string
Description9	Description for voting option 9	string
Option9	Voting Option Color Ex→%23FFFFF000	string

	Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	
SymbolIndex9	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour9	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan Note: LED color not support for more than 5 button options.	string
IsAbstain9	Enabled the abstain function	bool
MsgOfMajority9	Message for majority	string
Description10	Description for voting option 10	string
Option10	Voting Option Color Ex→%23FFFFF000 Where %23 is Prefix and 8 chars of the RGB value. Note: Make sure for correct RGB value.	string
SymbolIndex10	Buttons enabled for voting Index : 0 to 9 based on the options. Ex.	int
LedColour10	Voting LED color We support only 7 color now. Blue, White, Green, Yellow, Red, Magenta, Cyan Note: LED color not support for more than 5 button options.	string
IsAbstain10	Enabled the abstain function	bool
MsgOfMajority10	Message for majority	string
BadgeOption	Choose option for "Who can participate in voting" Value : 1 to 4 Ex. 1 = Only delegates with Badge 2 = Only delegates positioned on a seat 3 = Delegates with a badge or positioned on a seat. 4 = All voting units Note: badge options will be available based on the meeting type Note: Options is availabled based on the meeting login method.	int
OverallOption	Choose overall option "Who sees the overall results during the vote ? Value : 1 to 4 1= no one 2 = Choose this option if the overall result should only be shown to the vote master. This is an option that can be selected in the Operator application. 3 = Choose this option if all Operator application should showthe overall results during the vote. 4 = Choose this option if all operator & Signage application should show the overall results.	int
IndividualOption	Choose the option for "Who sees the individual voting results (during & after the vote)" Value: 1 to 5 1= No one ;Never 2 = No one during the vote 3 = Only vote master 4 = All operators applications 5 = Choose this option if everybody should see the individual results during the vote.	int
CanCorrect	Enabled the correction option Value : True means user can change voting	bool

HasPin	Enable the option for "Enter PinId for voting" Note: it will be used for IDC only.	bool
IsWeightUsed	Enable option to check the voting weight for voting result calculation.	bool
IsOperatorIndicated	Vote indication Enabled the Operator voting indication Note: it can configure based on the individual voting setting.	bool
IsSignageIndicated	Vote indication Enabled the Signage voting indication Note: it can configure based on the individual voting setting.	bool
PanelIndicationOption	Vote button indication Chose the vote panel indication option Value : 0 to 2 2 means "Real vote choice" Note: it can configure based on the individual voting setting.	int
EnableAgendaTimer	Enabled the timer for Agenda	bool
DurationOfAgendaTimer	Total Time for Agenda Ex. 00:05:00	String
WarningOfAgendaTimer	Warning time for the Agenda Ex. 00:01:00	String
CountDownOfAgendaTimer	Choose the agenda timer count-up / count-down	Bool
ExceedOfAgendaTimer	Allow exceed agenda timer	Bool
EnableVotingTimer	Enabled the timer for voting	Bool
DurationOfVotingTimer	Total Time for Agenda Ex. 00:05:00	String
WarningOfVotingTImer	Warning time for the Agenda Ex. 00:01:00	String
CountDownOfVotingTimer	Choose the agenda timer count-up / count-down	Bool
ExceedOfVotingTimer	Allow exceed voting timer	Bool
EnableQuorum	Enabled the Quorum Functionality 0 = Not enabled 1 = Enabled Default value is 0	Bool
AbsoluteOfQuorum	Choose Quorum define function for Absolute or relative Ex. True means Absolute enabled False means Relative option selected. (enabled)	Bool
ValueOfQuorum	Value of the Quorum	decimal
OptionOfQuorum	Choose the options for Presence of determination. Value : 1 to 5 1 = Introduced badges 2 = Presence detection phase before vote 3 = Delegates positioned on a seat 4 = Entered manually by operator 5 = Total number of votes	int
EnableQuorumMsg	Enabled the Quorum message option	bool
QuorumMsg	Message for Quorum	string
AbsoluteOfOutcome	Choose Majority define function for Absolute or relative Ex. True means Absolute enabled False means Relative option selected (enabled).	bool
ValueOfMajority	Value of the Majority	decimal
MajorityOption	Choose the majority options Value :1 to 2 1 = Number of delegates entitled to vote is used for majority calculation.	int

	2 = Number of votes cast is used for majority calculation. Note: option 1 can only be selectable if the relative option is slected.	
EnableOutcomMsg	Enabled Outcome message option.	bool
PassedMsg	Message for the Pass Majority	string
FailedMsg	Message for the Fail Majority	string
HungMsg	Message for the Hung Majority	string
EnabledMajorityMsg	Enabled Majority Achieved Details	bool
HungVoteSetting	Choose option for the hung vote solution Value : 1 to 5 Ex. 0 = Stop voting automatically. 1 = Keep the vote active until the Operator or Chairman manually stops it. 2 = Restart voting with all options available 3 = Determined by chairmen votes in this voting session. 4 = Stop voting and the operator decides. 5 = Determined by chairmen votes in a new chairmen-only voting session.	Int
IsUnanimous	If value is true, means Voting options for the voting session decision made by operator even thoug user can choose his own chose as well. (this option will used by the Cocon Op app only now) Note: default value is false	bool

Example 1:
http://localhost:8890/CoCon/Voting/AddVotingTemplate/?Title=Test 223

Example 2:
http://localhost:8890/CoCon/Voting/AddVotingTemplate/?Title=TEST 201
&NrOfOptions=5&IsPrinted=false&Description1=Pass&Option1=%230000FF&SymbolIndex1=0&LedColour1=R
ed&Description2=ABS&Option2=%23FFFF0000&SymbolIndex2=1&LedColour2=Red&Description3=Fail&Optio
n3=%23FFFFFF00&SymbolIndex3=2&LedColour3=Blue&Description4=ISA&Option4=%2339FF14&SymbolInde
x4=3&LedColour4=Yellow&Description5=XYZ&Option5=%23FF00FF&SymbolIndex5=4&LedColour5=Magenta
&EnableQuorum=True&AbsoluteOfQuorum=False&OptionOfQuorum=1&EnableQuorumMsg=True&QuorumMs
g=It
works&AbsoluteOfOutcome=False&ValueOfMajority=10&MajorityOption=1&EnableOutcomMsg=True&Passed
Msg=Majority
achieved&FailedMsg=fail&HungMsg=hung&EnabledMajorityMsg=True&HungVoteSetting=4&BadgeOption=1&E
nableAgendaTimer=True&EnableVotingTimer=True&DurationOfAgendaTimer=00%3A05%3A00&WarningOfAg
endaTimer=00%3A03%3A00&CountDownOfAgendaTimer=False&ExceedOfAgendaTimer=True&DurationOfVot
ingTimer=00%3A05%3A00&WarningOfVotingTImer=00%3A05%3A00&CountDownOfVotingTimer=False&Exce
edOfVotingTimer=True&OverallOption=1&IndividualOption=1&CanCorrect=True&IsWeightUsed=True&IsOperat
orIndicated=True&IsSignageIndicated=True&PanelIndicationOption=1

Return:
 0 → operation success; 1 → Operation fail (not valid value) -1 → exception

Update event for Example 1:
{"VotingTemplateAdded":{"Id":35,"Title":"Test
223","NrOfOptions":3,"IsPrinted":false,"IsVotingNumber":false,"BadgeOption":4,"OverallOption":4,"Options":[{"Id
":154,"Description":"","Option":"#FF008000","SymbolIndex":1,"LedColour":"Blue","IsAbstain":false,"MsgOfMajorit
y":"Motion
Accepted"},{"Id":155,"Description":"","Option":"#FFFFFF00","SymbolIndex":2,"LedColour":"Blue","IsAbstain":fals
e,"MsgOfMajority":"Motion
Postponed"},{"Id":156,"Description":"","Option":"#FFFF0000","SymbolIndex":3,"LedColour":"Blue","IsAbstain":fal
se,"MsgOfMajority":"Motion

Rejected"}],"IndividualOption":5,"CanCorrect":false,"HasPin":false,"IsWeightUsed":true,"IsOperatorIndicated":false,"IsSignageIndicated":false,"PanelIndicationOption":0,"AgendaTimer":{"Id":71,"EnableAgendaTimer":false,"DurationOfAgendaTimer":"00:00:00","WarningOfAgendaTimer":"00:00:00","CountDownOfAgendaTimer":true,"ExceedOfAgendaTimer":false},"VotingTimer":{"Id":72,"EnableVotingTimer":false,"DurationOfVotingTimer":"00:00:00","WarningOfVotingTImer":"00:00:00","CountDownOfVotingTimer":true,"ExceedOfVotingTimer":false},"EnableQuorum":false,"AbsoluteOfQuorum":true,"ValueOfQuorum":0.0,"OptionOfQuorum":4,"EnableQuorumMsg":false,"QuorumMsg":"Quorum not OK - voting postponed","AbsoluteOfOutcome":true,"ValueOfMajority":1.0,"MajorityOption":2,"EnableOutcomMsg":false,"PassedMsg":"Majority achieved","FailedMsg":"Majority not achieved","HungMsg":"Hung vote","EnabledMajorityMsg":false,"HungVoteSetting":1}}

Update event for Example 2:
{"VotingTemplateAdded":{"Id":33,"Title":"TEST 201 ","NrOfOptions":5,"IsPrinted":false,"IsVotingNumber":false,"BadgeOption":1,"OverallOption":1,"Options":[{"Id":144,"Description":"Pass","Option":"#0000FF","SymbolIndex":0,"LedColour":"Red","IsAbstain":false,"MsgOfMajority":""},{"Id":145,"Description":"ABS","Option":"#FFFF0000","SymbolIndex":1,"LedColour":"Red","IsAbstain":false,"MsgOfMajority":"Motion Accepted"},{"Id":146,"Description":"Fail","Option":"#FFFFFF00","SymbolIndex":2,"LedColour":"Blue","IsAbstain":false,"MsgOfMajority":"Motion Postponed"},{"Id":147,"Description":"ISA","Option":"#39FF14","SymbolIndex":3,"LedColour":"Yellow","IsAbstain":false,"MsgOfMajority":"Motion Rejected"},{"Id":148,"Description":"XYZ","Option":"#FF00FF","SymbolIndex":4,"LedColour":"Magenta","IsAbstain":false,"MsgOfMajority":""}],"IndividualOption":1,"CanCorrect":true,"HasPin":false,"IsWeightUsed":true,"IsOperatorIndicated":true,"IsSignageIndicated":true,"PanelIndicationOption":1,"AgendaTimer":{"Id":67,"EnableAgendaTimer":true,"DurationOfAgendaTimer":"00:05:00","WarningOfAgendaTimer":"00:03:00","CountDownOfAgendaTimer":false,"ExceedOfAgendaTimer":true},"VotingTimer":{"Id":68,"EnableVotingTimer":true,"DurationOfVotingTimer":"00:05:00","WarningOfVotingTImer":"00:05:00","CountDownOfVotingTimer":false,"ExceedOfVotingTimer":true},"EnableQuorum":true,"AbsoluteOfQuorum":false,"ValueOfQuorum":0.0,"OptionOfQuorum":1,"EnableQuorumMsg":true,"QuorumMsg":"It works","AbsoluteOfOutcome":false,"ValueOfMajority":10.0,"MajorityOption":1,"EnableOutcomMsg":true,"PassedMsg":"Majority achieved","FailedMsg":"fail","HungMsg":"hung","EnabledMajorityMsg":true,"HungVoteSetting":4}}

Example 3:
http://localhost:8890/CoCon/Voting/AddVotingTemplate/?Title=TEST 501&NrOfOptions=5&IsPrinted=false&Description1=Pass&Option1=%230000FF&SymbolIndex1=0&LedColour1=Red&Description2=ABS&Option2=%23FFFF0000&SymbolIndex2=1&LedColour2=Red&Description3=Fail&Option3=%23FFFFFF00&SymbolIndex3=2&LedColour3=Blue&Description4=ISA&Option4=%2339FF14&SymbolIndex4=3&LedColour4=Yellow&Description5=XYZ&Option5=%23FF00FF&SymbolIndex5=4&LedColour5=Magenta&EnableQuorum=True&AbsoluteOfQuorum=False&OptionOfQuorum=1&EnableQuorumMsg=True&QuorumMsg=It works&AbsoluteOfOutcome=False&ValueOfMajority=10&MajorityOption=1&EnableOutcomMsg=True&PassedMsg=Majority achieved&FailedMsg=fail&HungMsg=hung&EnabledMajorityMsg=True&HungVoteSetting=4&BadgeOption=1&EnableAgendaTimer=True&EnableVotingTimer=True&DurationOfAgendaTimer=00%3A05%3A00&WarningOfAgendaTimer=00%3A03%3A00&CountDownOfAgendaTimer=False&ExceedOfAgendaTimer=True&DurationOfVotingTimer=00%3A05%3A00&WarningOfVotingTImer=00%3A05%3A00&CountDownOfVotingTimer=False&ExceedOfVotingTimer=True&OverallOption=1&IndividualOption=1&CanCorrect=True&IsWeightUsed=True&IsOperatorIndicated=True&IsSignageIndicated=True&PanelIndicationOption=1&IsAbstain1=True&AbstainOption=3&AbstainIndex=2

Update event for Example 4 :
>>>{"VotingTemplateAdded":{"Id":36,"Title":"TEST 501","NrOfOptions":5,"IsPrinted":false,"IsVotingNumber":false,"BadgeOption":1,"OverallOption":1,"Options":[{"Id":157,"Description":"Pass","Option":"#0000FF","SymbolIndex":0,"LedColour":"Red","IsAbstain":true,"MsgOfMajority":""},{"Id":158,"Description":"ABS","Option":"#FFFF0000","SymbolIndex":1,"LedColour":"Red","IsAbstain":false,"MsgOfMajority":"Motion Accepted"},{"Id":159,"Description":"Fail","Option":"#FFFFFF00","SymbolIndex":2,"LedColour":"Blue","IsAbstain":false,"MsgOfMajority":"Motion Postponed"},{"Id":160,"Description":"ISA","Option":"#39FF14","SymbolIndex":3,"LedColour":"Yellow","IsAbstain":false,"MsgOfMajority":"Motion

Rejected"},{"Id":161,"Description":"XYZ","Option":"#FF00FF","SymbolIndex":4,"LedColour":"Magenta","IsAbstain":false,"MsgOfMajority":""}],"IndividualOption":1,"CanCorrect":true,"HasPin":false,"IsWeightUsed":true,"IsOperatorIndicated":true,"IsSignageIndicated":true,"PanelIndicationOption":1,"AgendaTimer":{"Id":73,"EnableAgendaTimer":true,"DurationOfAgendaTimer":"00:05:00","WarningOfAgendaTimer":"00:03:00","CountDownOfAgendaTimer":false,"ExceedOfAgendaTimer":true},"VotingTimer":{"Id":74,"EnableVotingTimer":true,"DurationOfVotingTimer":"00:05:00","WarningOfVotingTImer":"00:05:00","CountDownOfVotingTimer":false,"ExceedOfVotingTimer":true},"EnableQuorum":true,"AbsoluteOfQuorum":false,"ValueOfQuorum":0.0,"OptionOfQuorum":1,"EnableQuorumMsg":true,"QuorumMsg":"It works","AbsoluteOfOutcome":false,"ValueOfMajority":10.0,"MajorityOption":1,"EnableOutcomMsg":true,"PassedMsg":"Majority achieved","FailedMsg":"fail","HungMsg":"hung","EnabledMajorityMsg":true,"HungVoteSetting":4}}

Update event for Example 5 : With additional para "IsUnanimous"

{"VotingTemplateAdded":{"Id":3,"Title":"Test 223","NrOfOptions":3,"IsPrinted":false,"IsVotingNumber":false,"BadgeOption":4,"OverallOption":4,"Options":[{"Id":66,"Description":"","Option":"#FF008000","SymbolIndex":1,"LedColour":"Blue","IsAbstain":false,"MsgOfMajority":"Motion Accepted"},{"Id":67,"Description":"","Option":"#FFFFFF00","SymbolIndex":2,"LedColour":"Blue","IsAbstain":false,"MsgOfMajority":"Motion Postponed"},{"Id":68,"Description":"","Option":"#FFFF0000","SymbolIndex":3,"LedColour":"Blue","IsAbstain":false,"MsgOfMajority":"Motion Rejected"}],"IndividualOption":5,"CanCorrect":false,"HasPin":false,"IsWeightUsed":true,"IsOperatorIndicated":false,"IsSignageIndicated":false,"PanelIndicationOption":0,"AgendaTimer":{"Id":109,"EnableAgendaTimer":false,"DurationOfAgendaTimer":"00:00:00","WarningOfAgendaTimer":"00:00:00","CountDownOfAgendaTimer":true,"ExceedOfAgendaTimer":false},"VotingTimer":{"Id":110,"EnableVotingTimer":false,"DurationOfVotingTimer":"00:00:00","WarningOfVotingTImer":"00:00:00","CountDownOfVotingTimer":true,"ExceedOfVotingTimer":false},"EnableQuorum":false,"AbsoluteOfQuorum":true,"ValueOfQuorum":0.0,"OptionOfQuorum":4,"EnableQuorumMsg":false,"QuorumMsg":"Quorum not OK - voting postponed","AbsoluteOfOutcome":true,"ValueOfMajority":1.0,"MajorityOption":2,"EnableOutcomMsg":false,"PassedMsg":"Majority achieved","FailedMsg":"Majority not achieved","HungMsg":"Hung vote","EnabledMajorityMsg":false,"HungVoteSetting":1,"IsUnanimous":false}}

4.3.5.4 GetVotingState

API Module	Cocon for Plixus Core	Plixus Core
GetVotingState	☑	☐

Gets the voting state of currently active agenda item. Only applicable for voting items.
If the currently active agenda item is not a voting agenda item, then the state Stop will be returned
Structure:
http://localhost:8890/CoCon/Voting/GetVotingState

Parameters:

Name	Description	Type
State	The state of voting Start Stop Pause (Idle)Clear Retrieve	string

Example:
http://localhost:8890/CoCon/Voting/GetVotingState

Return:
{"GetVotingState":{"State":"VotingIdle"}}

4.3.5.5 GetAmountOfVotes

API Module	Cocon for Plixus Core	Plixus Core
GetAmountOfVotes	☑	☐

Will help user to get the current vote amount during the voting. (voting is running / paused or stopped)
Note: if voting state is idle then it will reply with no voting is running.

Structure:
http://localhost:8890/CoCon/Voting/GetAmountOfVotes
Example:
http://localhost:8890/CoCon/Voting/GetAmountOfVotes

Return:
{"GetAmountOfVotes":{"Total voted":0,"Total not voted":15,"Entitled to vote":15}}
If voting is not running :
There is no running voting

4.3.5.6 GetGeneralVotingResults

API Module	Cocon for Plixus Core	Plixus Core
GetGeneralVotingResults	☑	☐

Will help user to get the overall voting result for the active voting agenda after the voting stop.

Structure:
http://localhost:8890/CoCon/Voting/GetGeneralVotingResults/?Id={id}
Example:
http://localhost:8890/CoCon/Voting/GetGeneralVotingResults/?Id=20

Return:
{"GetGeneralVotingResults":{"Id":100,"VotingResults":{"Total":{"Count":4,"Weight":4.0},"Voted":{"Count":1,"Weight":1.0},"NotVoted":{"Count":3,"Weight":3.0},"Options":[{"Id":181,"Name":"","Color":"#FF008000","Votes":{"Count":0,"Weight":0.0}},{"Id":182,"Name":"","Color":"#FFFFFF00","Votes":{"Count":0,"Weight":0.0}},{"Id":183,"Name":"","Color":"#FFFF0000","Votes":{"Count":1,"Weight":1.0}}],"AuthorityAssigned":{"Present":0,"Voted":0,"Register":0}}}}

 1 : if agedna is not voting agenda or voting agenda does not have result.
 -1 : internal exception.

4.3.5.7 GetIndividualVotingResults

API Module	Cocon for Plixus Core	Plixus Core
GetGeneralVotingResults	☑	☐

This api will help user to get voting individual result for active voting agenda, if it has voting result.
Where Id is Agenda id from db.

Structure:
http://localhost:8890/CoCon/Voting/GetIndividualVotingResults/?Id={id}
Example:
http://localhost:8890/CoCon/Voting/GetIndividualVotingResults/?Id=112

Return:
Single selection:
{"IndividualVotingResults":{"Id":112,"VotingResults":[{"DelegateId":174,"VotingOptionId":247,"SeatNumber":13}]}
}

Multiple selection:
{"IndividualVotingResults":{"Id":112,"VotingResults":[{"DelegateId":174,"VotingOptionId":[247,248,249],"SeatNumber":13}]}}

4.3.5.8 DeleteVotingTemplate

API Module	Cocon for Plixus Core	Plixus Core
DeleteVotingTemplate	☑	☐

This api will delete a voting template. The template needs to be identified by its title

Structure:
http://localhost:8890/CoCon/Voting/DeleteVotingTemplate/?Title={title}
Example:
http://localhost:8890/CoCon/Voting/DeleteVotingTemplate/?Title=MyVotingTemplateExample

Return:
 0 → operation success; 1 → Operation fail (template not found) -1 → exception

4.3.5.9 StopPresenceDetection

API Module	Cocon for Plixus Core	Plixus Core
StopPresenceDetection	☑	☐

This API allows to stop quorum presence detection for options:
- Introduced badges
- Presence detection phase before vote
- Entered manually by operator

Parameters:

Name	Description	Type
Presence	Presence value for quorum option "Entered manually by operator"	int

Structure:
http://localhost:8890/CoCon/Voting/StopPresenceDetection/?Presence={presence}
Example:
http://localhost:8890/CoCon/Voting/StopPresenceDetection/?Presence=5

Return:
 0 → operation success; 1 → Operation fail; -1 → exception

4.3.5.10 ClearQuorumMessage

API Module	Cocon for Plixus Core	Plixus Core
ClearQuorumMessage	☑	☐

This API will clear quorum message

Structure:
http://localhost:8890/CoCon/Voting/ClearQuorumMessage

Return:
  0 → operation success; 1 → Operation fail; -1 → exception

4.3.6 Timer

4.3.6.1 Get

API Module	Cocon for Plixus Core	Plixus Core
Get	☑	☐

Gets an update of all timers
Structure:
http://localhost:8890/CoCon/Timer/Get

Return:
{"GetAllTimers":{"MeetingTimer":{"Timer":{"TotalTime":"02:00:00","TimeUsed":"00:31:23","CountingDown":true,"WarningTime":"00:05:00"}},"ActiveAgendaItemTimer":{"Timer":{"TotalTime":"02:00:00","TimeUsed":"00:31:23","CountingDown":true,"WarningTime":"00:05:00"}},"VotingTimer":{"Timer":null},"SeatsTimer":[{"SeatNr":1,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}}],"DelegatesTimer":[{"DelegateId":10,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}}],"GroupsTimer":[{"GroupId":1,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}},{"GroupId":11,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}}]}}

4.3.6.2 GetDelegateTimers

API Module	Cocon for Plixus Core	Plixus Core
GetDelegateTimers	☑	☐

Get all delegates timer. (meeting users)
Note： Delegate on seat only can have timer.
Structure:
http://localhost:8890/CoCon/Timer/GetDelegateTimers

Return:
{"GetDelegateTimers":[{"DelegateId":2,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}},{"DelegateId":3,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}},{"DelegateId":4,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}}]}

4.3.6.3 GetSeatTimers

API Module	Cocon for Plixus Core	Plixus Core
GetSeatTimers	☑	☐

Get all seat timers. （empty seat without delegate on seat.）
Structure:
http://localhost:8890/CoCon/Timer/GetSeatTimers

Return:
{"GetSeatTimers":[{"SeatNr":4,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}},{"SeatNr":5,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}}]}

4.3.6.4 GetGroupTimers

API Module	Cocon for Plixus Core	Plixus Core
GetGroupTimers	☑	☐

Get all groups timer. （Meeting groups timer only）
Structure:
http://localhost:8890/CoCon/Timer/GetGroupTimers

Return:
{"GetGroupTimers":[{"GroupId":3,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}},{"GroupId":4,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:00","CountingDown":true,"WarningTime":"00:01:00"}}]}

4.3.6.5 GetActiveTimers

API Module	Cocon for Plixus Core	Plixus Core
GetActiveTimers	☑	☐

Get all active timers info. （Seat timer; Delegate timer ; Group timer ）
Structure:
http://localhost:8890/CoCon/Timer/GetActiveTimers
Return:
{"GetActiveTimers":{"SeatsTimer":[{"SeatNr":8,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:15","CountingDown":true,"WarningTime":"00:01:00"}}],"DelegatesTimer":[{"DelegateId":43,"Timer":{"TotalTime":"00:05:00","TimeUsed":"00:00:17","CountingDown":true,"WarningTime":"00:01:00"}}],"GroupsTimer":[]}}

4.3.6.6 SetDelegateTimer

API Module	Cocon for Plixus Core	Plixus Core
SetDelegateTimer	☑	☐

Set delegate timer.
Note: Delegate timer will enabled auto and set timer, if timer was not enabled.
Structure:
http://localhost:8890/CoCon/Timer/SetDelegateTimer/?DelegateId={delegateId}&EndTime={endTime}&WarningTime={warningTime}&CountDown={countDown}&IncludeChairman={includeChairman}&SpeechTimeCanExceed={speechTimeCanExceed}&AutoSwitchOffMic={autoSwitchOffMic}&ResetWhenMicOff={resetWhenMicOff}&Enable={enable}

Parameters:

Name	Description	Type
DelegateId	The Delegate id from DB	int
EndTime	End time for the timer	string
WarningTime	Warning time for the timer	string
CountDown	Counting up or down for timer	bool
IncludeChairman	Include chairman	bool
SpeechTimeCanExceed	Speech time can exceed (high priority)	bool
AutoSwitchOffMic	Auto switch off mic if time is over (Low Priority)	bool
ResetWhenMicOff	Reset timer once mic off.	bool
Enable	Set enabled / disabled timer	bool

Note: if SpeechTimeCanExceed =True and AutoSwitchOffMic = True, then SpeechTimeCanExceed has higher priority than AutoSwitchOffMic.

Example:
http://localhost:8890/CoCon/Timer/SetDelegateTimer/?DelegateId=2&EndTime=00:01:00&WarningTime=00:00:30&CountDown=True&IncludeChairman=True&SpeechTimeCanExceed=True&AutoSwitchOffMic=True&ResetWhenMicOff=True&Enable=True

Return: string
{"SetDelegateTimer":{"DelegateId":71,"Endtime":"00:01:00","WarningTime":"00:00:30","CountDown":true,"IncludeChairman":true,"SpeechTimeCanExceed":true,"AutoSwitchOffMic":false,"ResetWhenMicOff":false,"Enable":true}}

4.3.6.7 SetGroupTimer

API Module	Cocon for Plixus Core	Plixus Core
SetGroupTimer	☑	☐

Set group timer.
Note: Delegate timer will enabled auto and set timer, if timer was not enabled.
Structure:
http://localhost:8890/CoCon/Timer/SetGroupTimer/?GroupId={groupId}&EndTime={endTime}&WarningTime={warningTime}&CountDown={countDown}&IncludeChairman={includeChairman}&SpeechTimeCanExceed={speechTimeCanExceed}&AutoSwitchOffMic={autoSwitchOffMic}&CountForEverySpeaker={countForEverySpeaker}&Enable={enable}

Parameters:

Name	Description	Type
GroupId	The Group id from DB	int

EndTime	End time for the timer	string
WarningTime	Warning time for the timer	string
CountDown	Counting up or down for timer	bool
IncludeChairman	Include chairman	bool
SpeechTimeCanExceed	Speech time can exceed (high priority)	bool
AutoSwitchOffMic	Auto switch off mic if time is over (Low Priority)	bool
CountForEverySpeaker	Count for every speaker belong to that group	bool
Enable	Set enabled / disabled timer	bool

Note: if SpeechTimeCanExceed =True and AutoSwitchOffMic = True, then SpeechTimeCanExceed has higher priority than AutoSwitchOffMic.

Example:
http://localhost:8890/CoCon/Timer/SetGroupTimer/?GroupId=1&EndTime=00:10:00&WarningTime=00:01:30&CountDown=True&IncludeChairman=True&SpeechTimeCanExceed=True&AutoSwitchOffMic=True&CountForEverySpeaker=True&Enable=True

Return: string
{"SetGroupTimer":{"GroupId":9,"Endtime":"00:03:00","WarningTime":"00:01:30","CountDown":true,"IncludeChairman":true,"SpeechTimeCanExceed":true,"AutoSwitchOffMic":false,"CountForEverySpeaker":true,"Enable":true}}

4.3.6.8 SetGlobalDelegateTimer

API Module	Cocon for Plixus Core	Plixus Core
SetGroupTimer	☑	☐

Set global delegate timer. (for all meeting user)
Note: Delegate timer will enabled auto and set timer, if timer was not enabled.
Structure:
http://localhost:8890/CoCon/Timer/SetGlobalDelegateTimer/?EndTime={endTime}&WarningTime={warningTime}&CountDown={countDown}&IncludeChairman={includeChairman}&SpeechTimeCanExceed={speechTimeCanExceed}&AutoSwitchOffMic={autoSwitchOffMic}&ResetWhenMicOff={resetWhenMicOff}&Enable={enable}

Parameters:
Name	Description	Type
EndTime	End time for the timer	string
WarningTime	Warning time for the timer	string
CountDown	Counting up or down for timer	bool
IncludeChairman	Include chairman	bool
SpeechTimeCanExceed	Speech time can exceed (high priority)	bool
AutoSwitchOffMic	Auto switch off mic if time is over (Low Priority)	bool
ResetWhenMicOff	Reset timer once mic off.	bool
Enable	Set enabled / disabled timer	bool

Note: if SpeechTimeCanExceed =True and AutoSwitchOffMic = True, then SpeechTimeCanExceed has higher priority than AutoSwitchOffMic.

Example:

---

http://localhost:8890/CoCon/Timer/SetGlobalDelegateTimer/?EndTime=00:02:00&WarningTime=00:00:30&CountDown=False&IncludeChairman=True&SpeechTimeCanExceed=True&AutoSwitchOffMic=True&ResetWhenMicOff=True&Enable=True

Return: string
{"SetGlobalDelegateTimer":{"Endtime":"00:02:00","WarningTime":"00:00:30","CountDown":false,"IncludeChairman":true,"SpeechTimeCanExceed":true,"AutoSwitchOffMic":false,"ResetWhenMicOff":true}}

4.3.6.9 SetGlobalSeatTimer

API Module	Cocon for Plixus Core	Plixus Core
SetGlobalSeatTimer	☑	☐

Set global seat timer. (For all empty seat in running meeting.)
Note: Delegate timer will enabled auto and set timer, if timer was not enabled.
Structure:
http://localhost:8890/CoCon/Timer/SetGlobalSeatTimer/?EndTime={endTime}&WarningTime={warningTime}&CountDown={countDown}&IncludeChairman={includeChairman}&SpeechTimeCanExceed={speechTimeCanExceed}&AutoSwitchOffMic={autoSwitchOffMic}&ResetWhenMicOff={resetWhenMicOff}&Enable={enable}

Parameters:

Name	Description	Type
EndTime	End time for the timer	string
WarningTime	Warning time for the timer	string
CountDown	Counting up or down for timer	bool
IncludeChairman	Include chairman	bool
SpeechTimeCanExceed	Speech time can exceed (high priority)	bool
AutoSwitchOffMic	Auto switch off mic if time is over (Low Priority)	bool
ResetWhenMicOff	Reset timer once mic off.	bool
Enable	Set enabled / disabled timer	bool

Note: if SpeechTimeCanExceed =True and AutoSwitchOffMic = True, then SpeechTimeCanExceed has higher priority than AutoSwitchOffMic.

Example:
http://localhost:8890/CoCon/Timer/SetGlobalSeatTimer/?EndTime=00:02:00&WarningTime=00:00:30&CountDown=True&IncludeChairman=True&SpeechTimeCanExceed=True&AutoSwitchOffMic=True&ResetWhenMicOff=True&Enable=True

Return: string

{"SetGlobalSeatTimer":{"Endtime":"00:01:00","WarningTime":"00:00:30","CountDown":true,"IncludeChairman":true,"SpeechTimeCanExceed":true,"AutoSwitchOffMic":false,"ResetWhenMicOff":true}}

4.3.6.10 SetGlobalGroupTimer

API Module	Cocon for Plixus Core	Plixus Core
SetGlobalSeatTimer	☑	☐

Set global group timer. (For all running meeting groups.)
Note: Delegate timer will enabled auto and set timer, if timer was not enabled.
Structure:
http://localhost:8890/CoCon/Timer/SetGlobalGroupTimer/?EndTime={endTime}&WarningTime={warningTime}&CountDown={countDown}&IncludeChairman={includeChairman}&SpeechTimeCanExceed={speechTimeCanExceed}&AutoSwitchOffMic={autoSwitchOffMic}&CountForEverySpeaker={countForEverySpeaker}&Enable={enable}

Parameters:

Name	Description	Type
EndTime	End time for the timer	string
WarningTime	Warning time for the timer	string
CountDown	Counting up or down for timer	bool
IncludeChairman	Include chairman	bool
SpeechTimeCanExceed	Speech time can exceed (high priority)	bool
AutoSwitchOffMic	Auto switch off mic if time is over (Low Priority)	bool
CountForEverySpeaker	Count for every speaker belong to that group	bool
Enable	Set enabled / disabled timer	bool

Note: if SpeechTimeCanExceed =True and AutoSwitchOffMic = True, then SpeechTimeCanExceed has higher priority than AutoSwitchOffMic.

Example:
http://localhost:8890/CoCon/Timer/SetGlobalGroupTimer/?EndTime=00:01:00&WarningTime=00:00:30&CountDown=True&IncludeChairman=True&SpeechTimeCanExceed=True&AutoSwitchOffMic=True&CountForEverySpeaker=False&Enable=True

Return: string
{"SetGlobalGroupTimer":{"Endtime":"00:01:00","WarningTime":"00:00:30","CountDown":true,"IncludeChairman":true,"SpeechTimeCanExceed":true,"AutoSwitchOffMic":false,"CountForEverySpeaker":false}}

4.3.6.11 ResetDelegateTimer

API Module	Cocon for Plixus Core	Plixus Core
ResetDelegateTimer	☑	☐

Reset delegate timer to the configured time if user have running or used timer in active meeting.
Note: Delegate should be a meeting user and his timer should be enabled

Structure:
http://localhost:8890/CoCon/Timer/ResetDelegateTimer/?DelegateId={id}

Parameters:

Name	Description	Type
DelegateId	Id of the delegate	string

Example:
http://192.168.8.165:8890/CoCon/Timer/ResetDelegateTimer/?DelegateId=10

Return: int
 0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.6.12 ResetGlobalDelegateTimer

API Module	Cocon for Plixus Core	Plixus Core
ResetGlobalDelegateTimer	☑	☐

Reset global delegate timer to the configured time for the all meeting user whos timer is enabled in active meeting.

Structure:
http://localhost:8890/CoCon/Timer/ResetGlobalDelegateTimer

Example:
http://localhost:8890/CoCon/Timer/ResetGlobalDelegateTimer

Return: int
  0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.6.13 ResetGroupTimer

API Module	Cocon for Plixus Core	Plixus Core
ResetGroupTimer	☑	☐

Reset group timer to the configured time if the group has running or used timer in active meeting.
Note: Group should be a meeting Group and his timer should be enabled

Structure:
http://localhost:8890/CoCon/Timer/ResetDelegateTimer/?DelegateId={id}

Parameters:

Name	Description	Type
GroupId	Id of the meeting group	string

Example:
http://192.168.8.165:8890/CoCon/Timer/ResetGroupTimer/?GroupId=1

Return: int
  0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.6.14 ResetGlobalGroupTimer

API Module	Cocon for Plixus Core	Plixus Core
ResetGlobalGroupTimer	☑	☐

Reset global group timer to the configured time for the all meeting Group whose timer is enabled in active meeting.

Structure:
http://192.168.8.165:8890/CoCon/Timer/ResetGlobalGroupTimer

Example:
http://192.168.8.165:8890/CoCon/Timer/ResetGlobalGroupTimer
Return: int
 0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.6.15 ChangeDelegateTimer

API Module	Cocon for Plixus Core	Plixus Core
ChangeDelegateTimer	☑	☐

Change delegate timer to the configured time if user have running or used timer in active meeting.
Note: Delegate should be a meeting user and his timer should be enabled.

Structure:
http://localhost:8890/CoCon/Timer/ChangeDelegateTimer/?DelegateId={delegateId}&UsedTime={usedTime}

Parameters:

Name	Description	Type
DelegateId	Id of the delegate	String
UsedTime	Time which user would like to update	String

Example:
http://192.168.8.165:8890/CoCon/Timer/ChangeDelegateTimer/?DelegateId=9&UsedTime=00:00:30

Return: int
  0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.6.16 ChangeGroupTimer

API Module	Cocon for Plixus Core	Plixus Core
ChangeGroupTimer	☑	☐

Change group timer to the configured time if the group has running or used timer in active meeting.
Note: Group should be a meeting Group and his timer should be enabled

Structure:
http://localhost:8890/CoCon/Timer/ChangeGroupTimer/?GroupId={groupId}&UsedTime={usedTime}

Parameters:

Name	Description	Type
GroupId	Id of the meeting group	string

Example:
http://192.168.8.165:8890/CoCon/Timer/ChangeGroupTimer/?GroupId=1&UsedTime=00:01:00

Return: int
  0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.6.17 ChangeDelegateTimerState

API Module	Cocon for Plixus Core	Plixus Core
ChangeDelegateTimerState	☑	☐

Change delegate timer state.
Note: This call can only be performed on a running meeting, when delegate is in meeting and microphone of that delegate is enabled. Of course timer functionality must also be enabled.

Structure:
http://localhost:8890/CoCon/Timer/ChangeDelegateTimerState/?DelegateId={delegateId}&TimerState={state}

Parameters:

Name	Description	Type
DelegateId	Id of the delegate	integer
TimerState	State of the timer	String ["Pause", "Resume", "Restart"]

Example:
http://192.168.8.165:8890/CoCon/Timer/ChangeDelegateTimerState/?DelegateId=1&TimerState=Pause

Return: int
  0 → operation success
  1 → operation fail (wrong TimerState value, no meeting running, delegate not in meeting, microphone not on or timers not enabled)
 -1 → exception

4.3.6.18 ChangeGroupTimerState

API Module	Cocon for Plixus Core	Plixus Core
ChangeGroupTimerState	☑	☐

Change group timer state.
Note: This call can only be performed on a running meeting and when group is in meeting. Of course timer functionality must also be enabled.

Structure:
http://localhost:8890/CoCon/Timer/ChangeGroupTimerState/?GroupId={groupId}&TimerState={state}

Parameters:

Name	Description	Type
GroupId	Id of the group	integer
TimerState	State of the timer	String ["Pause", "Resume", "Restart"]

Example:
http://192.168.8.165:8890/CoCon/Timer/ChangeGroupTimerState/?GroupId=1&TimerState=Pause

Return: int
  0 → operation success
  1 → operation fail (wrong TimerState value, no meeting running, group not in meeting or timers not enabled)
 -1 → exception

4.3.7 Delegate

4.3.7.1 GetDelegatesInMeeting

API Module	Cocon for Plixus Core	Plixus Core
GetDelegatesInMeeting	☑	☐

Get all the delegates information in the special meeting
Structure:
http://localhost:8890/CoCon/Delegate/GetDelegatesInMeeting/?MeetingId=<MeetingId>

Parameters:

Name	Description	Type
MeetingId	The id of the meeting those delegates in	int

Example:
http://localhost:8890/CoCon/Delegate/GetDelegatesInMeeting/?MeetingId=8

Return:
{"GetDelegatesInMeeting":{"Delegates":[{"Id":240,"FirstName":"","Name":"AUCOUTURIER","MiddleName":null,"Street":"","StreetNumber":0,"PostCode":"","City":"","Country":null,"Title":"","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":9,"Name":"G9"}],"SeatNumber":2,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":274,"FirstName":"","Name":"AUDIBERT8TROIN","MiddleName":null,"Street":"","StreetNumber":0,"PostCode":"","City":"","Country":null,"Title":"","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":10,"Name":"G10"}],"SeatNumber":3,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":275,"FirstName":"","Name":"BARREILLE","MiddleName":null,"Street":"","StreetNumber":0,"PostCode":"","City":"","Country":null,"Title":"","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":10,"Name":"G10"}],"SeatNumber":null,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":261,"FirstName":"","Name":"BATTIN","MiddleName":null,"Street":"","StreetNumber":0,"PostCode":"","City":"","Country":null,"Title":"Mr","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":10,"Name":"G10"}],"SeatNumber":null,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":418,"FirstName":"David","Name":"Balmer","MiddleName":null,"Street":"Les Gasses 27","StreetNumber":0,"PostCode":"2946","City":"Miécourt","Country":null,"Title":"Député","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":18,"Name":"PLR"}],"SeatNumber":null,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":348,"FirstName":"D.","Name":"BATAILLE","MiddleName":null,"Street":"","StreetNumber":0,"PostCode":"","City":"","Country":null,"Title":"","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":14,"Name":"GROUPE PS"}],"SeatNumber":null,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":336,"FirstName":"B.","Name":"BAUDOUX","MiddleName":null,"Street":"","StreetNumber":0,"PostCode":"","City":"","Country":null,"Title":"","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":13,"Name":"GROUPE PC"}],"SeatNumber":null,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":334,"FirstName":"C.","Name":"BEAUCHAMP","MiddleName":null,"Street":"","StreetNumber":0,"PostCode":"","City":"","Country":null,"Title":"","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":13,"Name":"GROUPE PC"}],"SeatNumber":null,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":457,"FirstName":"Elisabeth","Name":"Baume-Schneider","MiddleName":null,"Street":"Rue du 24-Septembre 2","StreetNumber":0,"PostCode":"2800","City":"Delémont","Country":"","Title":"Ministre","BirthDate":"","District":"","Biography":"","Groups":[{"Id":20,"Name":"PS"}],"SeatNumber":null,"BadgeNumber":"A4F538DE","FingerprinterData":"","KeypadLoginCode":""}]}}

4.3.7.2 GetDelegatesInCurrentMeeting

API Module	Cocon for Plixus Core	Plixus Core
GetDelegatesInCurrentMeeting	☑	☐

Get all the delegates information in the current running meeting
Structure:
http://localhost:8890/CoCon/Delegate/GetDelegatesInCurrentMeeting

Return:
{"GetDelegatesInCurrentMeeting":{"IsMeetingRunning":true,"Delegates":[{"Id":240,"FirstName":"","Name":"AUCOUTURIER","MiddleName":null,"Street":"","StreetNumber":0,"PostCode":"","City":"","Country":null,"Title":"","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":9,"Name":"G9"}],"SeatNumber":2,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":274,"FirstName":"","Name":"AUDIBERT8TROIN","MiddleName":null,"Street":"","StreetNumber":0,"PostCode":"","City":"","Country":null,"Title":"","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":10,"Name":"G10"}],"SeatNumber":3,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":275,"FirstName":"","Name":"BARREILLE","MiddleName":null,"Street":"","StreetNumber":0,"PostCode":"","City":"","Country":null,"Title":"","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":10,"Name":"G10"}],"SeatNumber":null,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":261,"FirstName":"","Name":"BATTIN","MiddleName":null,"Street":"","StreetNumber":0,"PostCode":"","City":"","Country":null,"Title":"Mr","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":10,"Name":"G10"}],"SeatNumber":null,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":418,"FirstName":"David","Name":"Balmer","MiddleName":null,"Street":"Les Gasses 27","StreetNumber":0,"PostCode":"2946","City":"Miécourt","Country":null,"Title":"Député","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":18,"Name":"PLR"}],"SeatNumber":null,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":348,"FirstName":"D.","Name":"BATAILLE","MiddleName":null,"Street":"","StreetNumber":0,"PostCode":"","City":"","Country":null,"Title":"","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":14,"Name":"GROUPE PS"}],"SeatNumber":null,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":336,"FirstName":"B.","Name":"BAUDOUX","MiddleName":null,"Street":"","StreetNumber":0,"PostCode":"","City":"","Country":null,"Title":"","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":13,"Name":"GROUPE PC"}],"SeatNumber":null,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":334,"FirstName":"C.","Name":"BEAUCHAMP","MiddleName":null,"Street":"","StreetNumber":0,"PostCode":"","City":"","Country":null,"Title":"","BirthDate":"","District":null,"Biography":"","Groups":[{"Id":13,"Name":"GROUPE PC"}],"SeatNumber":null,"BadgeNumber":null,"FingerprinterData":"","KeypadLoginCode":""},{"Id":457,"FirstName":"Elisabeth","Name":"Baume-Schneider","MiddleName":null,"Street":"Rue du 24-Septembre 2","StreetNumber":0,"PostCode":"2800","City":"Delémont","Country":"","Title":"Ministre","BirthDate":"","District":"","Biography":"","Groups":[{"Id":20,"Name":"PS"}],"SeatNumber":null,"BadgeNumber":"A4F538DE","FingerprinterData":"","KeypadLoginCode":""}]}}

4.3.7.3 ClearAllDelegatesAndGroups

API Module	Cocon for Plixus Core	Plixus Core
ClearAllDelegatesAndGroups	☑	☐

Clear all the delegates and groups in the database.
Structure:
http://localhost:8890/CoCon/Delegate/ClearAllDelegatesAndGroups

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

Update event:

{"DelegateRemoved":[2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,3
3,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,
69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,1
03,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,12
8,129,130,131,132,133,134,135,136,137,138,139,140,141,142,144]}

4.3.7.4 GetAllDelegates

API Module	Cocon for Plixus Core	Plixus Core
GetAllDelegates	☑	☐

Get all delegates list from the DB
Structure:
http://localhost:8890/CoCon/Delegate/GetAllDelegates

Example:
http://localhost:8890/CoCon/Delegate/GetAllDelegates

Return:
>>>{"GetAllDelegates":{"Delegates":[{"Id":81,"Name":"Vande
Lanotte","MiddleName":null,"FirstName":"Johan","Title":"Mr","BadgeNumber":null,"UserName":null,"Password":n
ull,"Street":"","StreetNumber":"","City":"","PostCode":"","Country":"","District":"","BirthDate":"","Email":null,"Phone
Nr":null,"VotingRight":true,"VotingWeight":1,"FingerprinterData":"","KeypadLoginCode":""},{"Id":101,"Name":"Aer
s","MiddleName":null,"FirstName":"Wilfried","Title":"Mr","BadgeNumber":"64CBA3DB","UserName":"","Password
":null,"Street":"","StreetNumber":"","City":"","PostCode":"","Country":"","District":"","BirthDate":"","Email":"","Phon
eNr":"","VotingRight":true,"VotingWeight":1,"FingerprinterData":"","KeypadLoginCode":""},{"Id":372,"Name":"66",
"MiddleName":null,"FirstName":"","Title":"","BadgeNumber":null,"UserName":null,"Password":null,"Street":"","Str
eetNumber":"","City":"","PostCode":"","Country":null,"District":null,"BirthDate":"","Email":null,"PhoneNr":null,"Voti
ngRight":true,"VotingWeight":1,"FingerprinterData":"","KeypadLoginCode":""},{"Id":463,"Name":"Ackermann","Mi
ddleName":null,"FirstName":"Marcel","Title":"Député","BadgeNumber":"14EFB4E2","UserName":"","Password":
null,"Street":"Route Principale
11c","StreetNumber":"","City":"Bourrignon","PostCode":"2803","Country":"","District":"","BirthDate":"","Email":"","
PhoneNr":"","VotingRight":true,"VotingWeight":1,"FingerprinterData":"","KeypadLoginCode":""},{"Id":532,"Name":
"76","MiddleName":null,"FirstName":"76","Title":"","BadgeNumber":null,"UserName":null,"Password":null,"Street"
:"","StreetNumber":"","City":"","PostCode":"","Country":null,"District":null,"BirthDate":"","Email":null,"PhoneNr":nul
l,"VotingRight":true,"VotingWeight":1,"FingerprinterData":"","KeypadLoginCode":""}]}}

4.3.7.5 AddDelegate

API Module	Cocon for Plixus Core	Plixus Core
AddDelegate	☑	☐

Add delegate to the DB.
Structure:
http://localhost:8890/CoCon/Delegate/AddDelegate/?Name={name}&FirstName={firstName}&Title={title}&
MiddleName ={ middleName }&BadgeNr={badgeNr}&UserName={userName}&Password={password}
&Street={street}&StreetNr={streetNr}&City={city}&PostalCode={postalCode}&Country={country}&District={distric
t}&BirthDate={birthDate}
&Email={email}&PhoneNr={phoneNr}&Biography={biography}&VotingRight={votingRight}&VotingWeight={votin
gWeight}&PinId={pinId}&FingerprinterData={ fingerprinterData }&KeypadLoginCode={ keypadLoginCode }

Name	Description	Type
Name	The name of the delegate	string
FirstName	The first name of the delegate	string
Title	The title of the delegate [Optional parameter]	string
MiddleName	MiddleName of the delegate [Optional parameter]	string
BadgeNr	The badge number [Optional parameter]	string
UserName	The username for the delegate [Optional parameter]	string
Password	The password for the delegate [Optional parameter]	string
Street	The street for the delegate [Optional parameter]	string
StreetNr	The street number for the delegate [Optional parameter]	string
City	The city for the delegate [Optional parameter]	string
PostalCode	The postal code for the delegate [Optional parameter]	string
Country	The country for the delegate [Optional parameter]	string
District	The district for the delegate [Optional parameter]	string
BirthDate	The delegate's birthday [Optional parameter]	string
Email	The delegate's email address [Optional parameter]	string
PhoneNr	The delegate's phone number [Optional parameter]	String
Biography	Biography of the delegate [Optional parameter]	string
VotingRight	Does the delegate have the right to vote? Default value : True [Optional parameter]	Bool
VotingWeight	The voting weight to apply for this delegate Default value : 1 [Optional parameter]	Int
PinId	PinId to login for voting Must be 4 number only (0-9) [Optional parameter]	Int
FingerprinterData	Fingerprint data to open the Unicos IDC screen [Optional parameter]	string
KeypadLoginCode	Code to login into the Unicos FMM (IDC) [Optional parameter]	int
BackupBadge	The backup badge number [Optional parameter]	string
AuthorityBadge	The authority badge number [Optional parameter]	string

Example:
http://localhost:8890/CoCon/Delegate/AddDelegate/?Name=Isha&FirstName=Sakhalakr&Title=Mrs.
http://localhost:8890/CoCon/Delegate/AddDelegate/?Name=Isha&FirstName=Sakhalakr&Title=Mrs.&PinId=1234

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

Update event :
{"DelegateAdded":{"DelegateId":534,"Name":"Isha","MiddleName":null,"FirstName":"Sakhalakr","Title":"Mrs.","BadgeNr":"","UserName":"","Password":"","Street":"","StreetNr":"0","PostalCode":"","City":"","Country":"","BirthDate":"","District":"","Email":"","PhoneNr":"","VotingRight":true,"VotingWeight":1,"PinId":"","FingerprinterData":"","KeypadLoginCode":""}}

4.3.7.6 RemoveDelegate

API Module	Cocon for Plixus Core	Plixus Core
RemoveDelegate	☑	☐

Remove delegate from the DB.

Structure:
http://localhost:8890/CoCon/Delegate/RemoveDelegate/?DelegateId={delegateId}

Example:
http://localhost:8890/CoCon/Delegate/RemoveDelegate/?DelegateId=40

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

Update Event :
{"DelegateRemoved":[40]}

4.3.7.7 EditDelegate

API Module	Cocon for Plixus Core	Plixus Core
EditDelegate	☑	☐

Edit exiting delegate in DB.

Structure:
http://localhost:8890/CoCon/Delegate/EditDelegate/?DelegateId={delegateId}&Name={name}&FirstName={firstName}&Title={title}&MiddleName={middleName}&BadgeNr={badgeNr}&UserName={userName}&Password={password}&Street={street}&StreetNr={streetNr}&City={city}&PostalCode={postalCode}&Country={country}&District={district}&BirthDate={birthDate}&Email={email}&PhoneNr={phoneNr}&Biography={biography}&VotingRight={votingRight}&VotingWeight={votingWeight}&PinId={pinId}&FingerprinterData={ fingerprinterData }&KeypadLoginCode={ keypadLoginCode }

Name	Description	Type
DelegateId	The Id of the delegate	int
Name	The name of the delegate	string
FirstName	The first name of the delegate	string
Title	The title of the delegate [Optional parameter]	string
MiddleName	MiddleName of the delegate [Optional parameter]	string
BadgeNr	The badge number [Optional parameter]	string
UserName	The username for the delegate [Optional parameter]	string
Password	The password for the delegate [Optional parameter]	string
Street	The street for the delegate [Optional parameter]	string
StreetNr	The street number for the delegate [Optional parameter]	string
City	The city for the delegate [Optional parameter]	string
PostalCode	The postal code for the delegate [Optional parameter]	string

Country	The country for the delegate [Optional parameter]	string
District	The district for the delegate [Optional parameter]	string
BirthDate	The delegate's birthday [Optional parameter]	string
Email	The delegate's email address [Optional parameter]	string
PhoneNr	The delegate's phone number [Optional parameter]	string
Biography	Biography of the delegate [Optional parameter]	string
VotingRight	Does the delegate have the right to vote? [Optional parameter]	Bool
VotingWeight	The voting weight to apply for this delegate [Optional parameter]	Int
PinId	PinId to login for voting Must be 4 number only (0-9) [Optional parameter]	Int
FingerprinterData	Fingerprint data to open the Unicos IDC screen [Optional parameter] Fingerprint Id 1 = Right Thumb 2 = Right Index 6 = Left Thumb 7 = Left Index	string
KeypadLoginCode	Code to login into the Unicos FMM (IDC) [Optional parameter]	int
BackupBadge	The backup badge number [Optional parameter]	string
AuthorityBadge	The authority badge number [Optional parameter]	string

Example:
http://localhost:8890/CoCon/Delegate/EditDelegate/?DelegateId=505&Name=Manoj&FirstName=Patel&Title=Mr.&PinId=9876

Return:
 0 → operation success; 1 → Operation fail (not valid value) -1 → exception

Update Event :
{"DelegateUpdated":{"DelegateId":534,"Name":"Manoj","MiddleName":"Subhashbhai","FirstName":"Patel","Title":"Mr.","BadgeNr":"","UserName":"","Password":"","Street":"","StreetNr":"0","PostalCode":"","City":"","Country":"","BirthDate":"","District":"","Email":"","PhoneNr":"","VotingRight":true,"VotingWeight":1,"PinId":"9876","FingerprinterData":"","KeypadLoginCode":"1234"}}

Additional information for Fingerprint related data:

 Add a fingerprint data :

 Example:
 http://localhost:8890/CoCon/Delegate/EditDelegate/?DelegateId=1&Name=Test&FingerprinterData=1:Finger1,2:Finger2,6:Finger6,7:Finger7

 Return:

 0 → operation success; 1 → Operation fail (not valid value) -1 → exception

 Update Event:

 {"DelegateAdded":{"DelegateId":537,"Name":"Test","MiddleName":null,"FirstName":"Ivo","Title":"Mr","BadgeNr":"249937DE","UserName":"","Password":null,"Street":"","StreetNr":"0","PostalCode":"","City":"","Country":"","BirthDate":"","District":"","Email":"","PhoneNr":"","VotingRight":true,"VotingWei

ght":1,"PinId":"","FingerprinterData":["1:Finger1","2:Finger2","6:Finger6","7:Finger7"],"KeypadLogin Code":"","BackupBadge":""}}

Delete fingerprintdata : 1 and 2 fingerprint data keep and 6 and 7 fingerprint data removed.

Example:
http://localhost:8890/CoCon/Delegate/EditDelegate/?DelegateId=1&Name=Test&FingerprinterData=1:Finger1,2:Finger2

Return:

0 → operation success; 1 → Operation fail (not valid value) -1 → exception

Update Event:

{"DelegateUpdated":{"DelegateId":537,"Name":"Test","MiddleName":null,"FirstName":"Ivo","Title":"Mr","BadgeNr":"249937DE","UserName":"","Password":null,"Street":"","StreetNr":"0","PostalCode":"","City":"","Country":"","BirthDate":"","District":"","Email":"","PhoneNr":"","VotingRight":true,"VotingWeight":1,"PinId":"","FingerprinterData":["1:Finger1","2:Finger2"],"KeypadLoginCode":"","BackupBadge":""}}

Update fingerprint1:

Example：
http://localhost:8890/CoCon/Delegate/EditDelegate/?DelegateId=1&Name=Test&FingerprinterData=1:FingerTest1,2:Finger2,6:Finger6

Return:

0 → operation success; 1 → Operation fail (not valid value) -1 → exception

Update Event:

{"DelegateUpdated":{"DelegateId":537,"Name":"Test","MiddleName":null,"FirstName":"Ivo","Title":"Mr","BadgeNr":"249937DE","UserName":"","Password":null,"Street":"","StreetNr":"0","PostalCode":"","City":"","Country":"","BirthDate":"","District":"","Email":"","PhoneNr":"","VotingRight":true,"VotingWeight":1,"PinId":"","FingerprinterData":["1:FingerTest1","2:Finger2","6:Finger6"],"KeypadLoginCode":"","BackupBadge":""}}

It will be allowed to remove all fingerprints by

Example：
http://localhost:8890/CoCon/Delegate/EditDelegate/?DelegateId=1&Name=TEST&FirstName=FirstTEST&FingerprinterData=

Return:

0 → operation success; 1 → Operation fail (not valid value) -1 → exception

Update Event:

{"DelegateUpdated":{"DelegateId":537,"Name":"TEST","MiddleName":null,"FirstName":"FirstTEST","Title":"Mr","BadgeNr":"249937DE","UserName":"","Password":null,"Street":"","StreetNr":"0","PostalCode":"","City":"","Country":"","BirthDate":"","District":"","Email":"","PhoneNr":"","VotingRight":true,"VotingWeight":1,"PinId":"","FingerprinterData":[],"KeypadLoginCode":"","BackupBadge":""}}

4.3.7.8 ImportDelegatesFromFile

API Module	Cocon for Plixus Core	Plixus Core
ImportDelegatesFromFile	☑	☐

Import delegate from the file. (Note: it should be work wit the same version of the installer).

Structure:
http://localhost:8890/CoCon/Delegate/ImportDelegatesFromFile/?FilePath={filePath}

Example:
http://localhost:8890/CoCon/Delegate/ImportDelegatesFromFile/?FilePath=C:\Users\MP\Desktop\ERS\3.1-05-15-38-fullname.xml

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.7.9 GetAuthorityOverview

API Module	Cocon for Plixus Core	Plixus Core
GetAuthorityOverview	☑	☐

API call to get overview of delegate authority. It details the delegates whose authority is passed to another delegate. When no meeting is active, this call will return all authority data.

Structure:
http://localhost:8890/CoCon/Delegate/GetAuthorityOverview

Example:
http://localhost:8890/CoCon/Delegate/GetAuthorityOverview

Return:
0 → operation success; -1 → exception

4.3.8 Interactive

This section describes commands that are only applicable for the Televic uniCOS (PlixUs) hardware.

4.3.8.1 SetDelegateScreen

Set the delegate screen on the IDCs as well as screen options.
Only applicable for uniCOS (PlixUs).

Parameters applicable for ALL screens:

Name	Description	Type
IsLocked	Lock state of IDC	Bool
IsGoTo	bool indicating whether the IDC should change to the specified screen	Bool
IsShow	Show or hide the screen	Bool

Note that the specific screens described below might have more additional parameters

4.3.8.1.1 Home

API Module	Cocon for Plixus Core	Plixus Core
Home	☑	☐

Structure:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Home/?IsLocked={bool}&IsGoTo={bool}&IsShow={bool}

Updated Structure:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Home/?SeatId={seatId}&IsLocked={bool}&IsGoTo={bool}&IsShow={bool}

Example:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Home/?IsLocked=True&IsGoTo=True&IsShow=True

Updated Example:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Home/?SeatId=1&IsLocked=True&IsGoTo=True&IsShow=True

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.8.1.2 Discussion

API Module	Cocon for Plixus Core	Plixus Core
Discussion	☑	☐

Additional parameters

Name	Description	Type

Video	Set video viewing mode 0: disabled; no video shown 1: normal 2: full screen	int
VideoStream	Set video stream for Multimedia units. (VideoStream: 1 to 6 number)	Int
SeatId	SeatId which user want to control (Optional)	int

Structure
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Discussion/?IsLocked={bool}&IsGoTo={bool}&IsShow={bool}&Video={int}&VideoStream={videoStream}

Updated Structure:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Discussion/?SeatId={seatId}&IsLocked={bool}&IsGoTo={bool}&IsShow={bool}&Video={int}&VideoStream={videoStream}

Example 1:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Discussion/?IsLocked=True&IsGoTo=True&IsShow=True&Video=1

Example 2:
http://192.168.8.230:8890/CoCon/Interactive/SetDelegateScreen/Discussion/?IsLocked=True&IsGoTo=True&IsShow=True&Video=1&VideoStream=2

Updated Example:
http://192.168.8.230:8890/CoCon/Interactive/SetDelegateScreen/Discussion/?SeatId=1&IsLocked=True&IsGoTo=True&IsShow=True&Video=1&VideoStream=2

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.8.1.3 Agenda

API Module	Cocon for Plixus Core	Plixus Core
Agenda	☑	☐

Additional parameters

Name	Description	Type
Select	Select and show active agenda item	bool
SeatId	SeatId which user want to control (Optional)	int

Structure

http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Agenda/?IsLocked={bool}&IsGoTo={bool}&IsShow={bool}&Select={bool}

Updated Structure:

http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Agenda/?SeatId={seatId}&IsLocked={bool}&IsGoTo={bool}&IsShow={bool}&Select={bool}

Example:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Agenda/?IsLocked=True&IsGoTo=True&IsShow=True&Select=True

Updated Example:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Agenda/?SeatId=1&IsLocked=True&IsGoTo=True&IsShow=True&Select=True

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.8.1.4 Delegates

API Module	Cocon for Plixus Core	Plixus Core
Delegates	☑	☐

Structure
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Delegates/?IsLocked={bool}&IsGoTo={bool}&IsShow={bool}

Updated Structure:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Delegates/?SeatId={seatId}&IsLocked={bool}&IsGoTo={bool}&IsShow={bool}

Example:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Delegates/?IsLocked=True&IsGoTo=True&IsShow=True

Updated Example:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Delegates/?SeatId=1&IsLocked=True&IsGoTo=True&IsShow=True

Return:
0 → operation success; 1 → Operation fails (not valid value) -1 → exception

4.3.8.1.5 Voting

API Module	Cocon for Plixus Core	Plixus Core
Voting	☑	☐

Additional parameters

Name	Description	Type
Res	Show voting results	bool
Graph	Show voting graph	bool
SeatId	SeatId which user want to control (Optional)	int

Structure
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Voting/?IsLocked={bool}&IsGoTo={bool}&IsShow={bool}&Res={bool}&Graph={bool}

Updated Structure:

http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Voting/?SeatId={seatId}&IsLocked={bool}&IsGoTo={bool}&IsShow={bool}&Res={bool}&Graph={bool}

Example:

http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Voting/?IsLocked=True&IsGoTo=True&IsShow=True&Res=True&Graph=True

Updated Example:

http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Voting/?SeatId=1&IsLocked=True&IsGoTo=True&IsShow=True&Res=True&Graph=True

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.8.1.6 Documents

API Module	Cocon for Plixus Core	Plixus Core
Documents	☑	☐

Additional parameters

Name	Description	Type
Doc	Id of the document to select	string
Lck	Lock the document (no selection)	bool
Page	Page number to be scrolled to	int
Docfs	Show the document fullscreen	bool
SeatId	SeatId which user want to control (Optional)	int

Structure

http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Documents/?IsLocked={bool}&IsGoTo={bool}&IsShow={bool}&Doc={string}&Lck={bool}&Page={int}&Docfs={bool}

Updated Structure:

http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Documents/?SeatId={seatId}&IsLocked={bool}&IsGoTo={bool}&IsShow={bool}&Doc={string}&Lck={bool}&Page={int}&Docfs={bool}

Example:

http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Documents/?IsLocked=True&IsGoTo=True&IsShow=True&Doc=Cocon-manual&Lck=True&Page=1&Docfs=True

Updated Example:

http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Documents/?SeatId=1&IsLocked=True&IsGoTo=True&IsShow=True&Doc=Cocon-manual&Lck=True&Page=1&Docfs=True

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

---

4.3.8.1.7 Messages

API Module	Cocon for Plixus Core	Plixus Core
Messages	☑	☐

Structure
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Messages/?IsLocked={bool}&IsGoTo={bool}&IsShow={bool}

Updated Structure:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Messages/?SeatId={seatId}&IsLocked={bool}&IsGoTo={bool}&IsShow={bool}

Example:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Messages/?IsLocked=True&IsGoTo=True&IsShow=True

Updated Example:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Messages/?SeatId=1&IsLocked=True&IsGoTo=True&IsShow=True

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.8.1.8 Services

API Module	Cocon for Plixus Core	Plixus Core
Services	☑	☐

Structure
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Services/?IsLocked={bool}&IsGoTo={bool}&IsShow={bool}

Updated Structure:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Services/?SeatId={seatId}&IsLocked={bool}&IsGoTo={bool}&IsShow={bool}

Example:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Services/?IsLocked=True&IsGoTo=True&IsShow=True

Updated Example:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Services/?SeatId=1&IsLocked=True&IsGoTo=True&IsShow=True

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.8.1.9 Configuration

API Module	Cocon for Plixus Core	Plixus Core
Configuration	☑	☐

Structure
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Configuration/?IsLocked={bool}&IsGoTo={bool}&IsShow={bool}

Updated Structure:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Configuration/?SeatId={seatId}&IsLocked={bool}&IsGoTo={bool}&IsShow={bool}

Example:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Configuration/?IsLocked=True&IsGoTo=True&IsShow=True

Updated Example:
http://localhost:8890/CoCon/Interactive/SetDelegateScreen/Configuration/?SeatId=1&IsLocked=True&IsGoTo=True&IsShow=True

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.8.2 RemoveScreenLock

API Module	Cocon for Plixus Core	Plixus Core
RemoveScreenLock	☑	☐

Remove the screen lock on the Multimedia Unit.
Only applicable for uniCOS (PlixUs)

Structure:
http://localhost:8890/CoCon/Screen/RemoveScreenLock

Return:
{RemoveScreenLock : {"success" : "true"}}

4.3.8.3 SetCustomButtonOnSeat

API Module	Cocon for Plixus Core	Plixus Core
SetCustomButtonOnSeat	☑	☐

Configure a custom button on a seat
Structure
http://localhost:8890/CoCon/Interactive/SetCustomButtonOnSeat?SeatId={int}&ButtonId={int}&Text={string}&FgColor={string}&BgColor={string}&Show={bool}&EnableDown={bool}&EnableUp={bool}

Example:
http://localhost:8890/CoCon/Interactive/SetCustomButtonOnSeat?SeatId=5&ButtonId=1&Text=Request Floor&FgColor=black&BgColor=white&Show=True&EnableDown=True&EnableUp=False

Return:
{"SetCustomButtonOnSeat": {"success": "true"}}

4.3.8.4 SetCustomButtonOnRoom

API Module	Cocon for Plixus Core	Plixus Core
SetCustomButtonOnRoom	☑	☐

Configure a custom button on a seat
Structure
http://localhost:8890/CoCon/Interactive/SetCustomButtonOnRoom?ButtonId={int}&Text={string}&FgColor={string}&BgColor={string}&Show={bool}&EnableDown={bool}&EnableUp={bool}

Example:
http://localhost:8890/CoCon/Interactive/SetCustomButtonOnRoom?ButtonId=1&Text=Request Floor&FgColor=black&BgColor=white&Show=True&EnableDown=True&EnableUp=False

Return:
{"SetCustomButtonOnRoom": {"success": "true"}}

4.3.8.5 SetCustomLabelOnSeat

API Module	Cocon for Plixus Core	Plixus Core
SetCustomLabelOnSeat	☑	☐

Configure a custom button on a seat
Structure
http://localhost:8890/CoCon/Interactive/SetCustomLabelOnSeat?SeatId={int}&LabelId={int}&Text={string}&FgColor={string}&BgColor={string}&Show={bool}

Example:
http://localhost:8890/CoCon/Interactive/SetCustomLabelOnSeat?SeatId=5&LabelId=1&Text=Floor Requested&FgColor=black&BgColor=white&Show=True

Return:
{"SetCustomLabelOnSeat": {"success": "true"}}

4.3.8.6 SetCustomLabelOnRoom

API Module	Cocon for Plixus Core	Plixus Core
SetCustomLabelOnRoom	☑	☐

Configure a custom button on a seat
Structure
http://localhost:8890/CoCon/Interactive/SetCustomLabelOnRoom?LabelId={int}&Text={string}&FgColor={string}&BgColor={string}&Show={bool}

Example:
http://localhost:8890/CoCon/Interactive/SetCustomLabelOnRoom?LabelId=1&Text=Floor Requested&FgColor=black&BgColor=white&Show=True

Return:
{"SetCustomLabelOnRoom": {"success": "true"}}

4.3.8.7 SetCustomScreenOnSeat

API Module	Cocon for Plixus Core	Plixus Core
SetCustomScreenOnSeat	☑	☐

Configure a custom screen on a seat (see specific notes in API call SetCustomScreenOnRoom)
Structure
http://localhost:8890/CoCon/Interactive/SetCustomScreenOnSeat?SeatId={int}&Lock={bool}&Go={bool}&Show={bool}&CustomScreenId={int}&Title={string}&Content={String}&fullscreen={bool}

Example (also see extended example and notes in SetCustomScreenOnRoom):
http://192.168.8.120:8890/CoCon/Interactive/SetCustomScreenOnSeat?SeatId=2&Lock=False&Go=False&Show=True&CustomScreenId=1&Title=Custom Tab&Content=<HTML><HEAD><TITLE>UNIT1</TITLE></HEAD><BODY><H1>Custom screen</H1><P>This is a custom screen.</P></BODY></HTML>

Return:
{"SetCustomScreenOnSeat": {"success": "true"}}

4.3.8.8 SetCustomScreenOnRoom

API Module	Cocon for Plixus Core	Plixus Core
SetCustomScreenOnRoom	☑	☐

Configure a custom button on a seat
Structure
http://localhost:8890/CoCon/Interactive/SetCustomScreenOnRoom?Lock={bool}&Go={bool}&Show={bool}&CustomScreenId={int}&Title={string}&Content={String}&fullscreen={bool}

Example:
http://localhost:8890/CoCon/Interactive/SetCustomScreenOnRoom?Lock=False&Go=False&Show=True&CustomScreenId=1&Title=Custom
Tab&Content=<HTML><HEAD><TITLE>UNIT1</TITLE></HEAD><BODY><H1>Custom screen</H1><P>This is a custom screen.</P></BODY></HTML>

Extended example with styling, embedded image and javascript:
http://localhost:8890/CoCon/Interactive/SetCustomScreenOnRoom?Lock=False&Go=False&Show=True&CustomScreenId=1&Title=Custom&Content=< iframe style="height:449px;"
srcdoc="<html><head><style>h1{color:red;}</style></head><body><h1 id='myheader'>Header h1</h1><img
src='data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAAoAAAAKCAMAAAC67D%2BPAAAAGXRFW
HRTb2Z0d2FyZQBBZG9iZSBJbWFnZVJlYWR5ccllPAAAAyZpVFh0WE1MOmNvbS5hZG9iZS54bXAAAAAAA
Dw/eHBhY2tldCBiZWdpbj0i77u/liBpZD0iVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkIj8%2BIDx4OnhtcG1ldGEg
eG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iIHg6eG1wdGs9IkFkb2JlIFhNUCBDb3JlIDUuNi1jMTQ1IDc5LjE2M
zQ5OSwgMjAxOC8wOC8xMy0xNjo0MDoyMiAgICAgICAgIj4gPHJkZjpSREYgeG1sbnM6cmRmPSJodHRwOi8v
d3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj4gPHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9Ii
IgeG1sbnM6eG1wPSJodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvIiB4bWxuczp4bXBNTT0iaHR0cDovL2
5zLmFkb2JlLmNvbS94YXAvMS4wL21tLyIgeG1sbnM6c3RSZWY9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzE
uMC9zVHlwZS9SZXNvdXJjZVJlZiMiIHhtcDpDcmVhdG9yVG9vbD0iQWRvYmUgUGhvdG9zaG9wIENDIDIwMT
kgKFdpbmRvd3MpIiB4bXBNTTpJbnN0YW5jZUlEPSJ4bXAuaWlkOjg2NkYzNDFGMzBGGNTExRTk5REU0QzMy
MkU4Q0VDNjQ4IiB4bXBNTTpEb2N1bWVudElEPSJ4bXAuZGlkOjg2NkYzNDIwMzBGGNTExRTk5REU0QzMyM
kU4Q0VDNjQ4Ij4gPHhtcE1NOkRlcml2ZWRGcm9tIHN0UmVmOmluc3RhbmNlSUQ9InhtcC5paWQ6ODY2RjM
0MUUzMEY1MTFFOTlERTRDMzIyRThDRUM2NDgiIHN0UmVmOmRvY3VtZW50SUQ9InhtcC5kaWQ6ODY2R
jM0MUUzMEY1MTFFOTlERTRDMzIyRThDRUM2NDgiLz4gPC9yZGY6RGVzY3JpcHRpb24%2BIDwvcmRmOl
JERj4gPC94OnhtcG1ldGE%2BIDw/eHBhY2tldCBlbmQ9InIiPz4zwT8RAAAABlBMVEUAAP8AAAB7Yr8%2BAAA
AADklEQVR42mJgoCcACDAAAG4AARwPxJAAAAAAASUVORK5CYII='/><script
type='text/javascript'>document.body.innerHTML %2B= '<p>This text was added in
JavaScript!</p>';</script></body></html>"></iframe>

Notes:
- The complete URL (including base64 string) needs to be encoded. You can use https://www.urlencoder.org/ to do so. The "+" character is e.g. converted to "%2B"
- An iframe is not required, unless you want to use CSS for styling. Alternatively you can configure everything through the style attribute
- The height of 449px corresponds to unicos 7" unit, use 649px for unicos 10" unit
- Javascript is possible, but will be (re-)activated when entering in the specific tab
- Don't use hyperlinks
- Not possible to use e.g. remote image sources
- A special use-case could be to navigate to intranet page which is hosted on webserver which is connected with the Plixus NEXT LAN interface. This will also require a DHCP server. Please be aware of limitations and ask more information regarding this use-case.

Return:
{"SetCustomScreenOnRoom": {"success": "true"}}

4.3.8.9 GetServiceList

API Module	Cocon for Plixus Core	Plixus Core
GetServiceList	☑	☐

This api will help user to get all service list which is present on Cocon Database.

Structure:
http://localhost:8890/CoCon/Interactive/GetServiceList

Example:
http://localhost:8890/CoCon/Interactive/GetServiceList

Return:
{"ServiceList":{"Services":[{"Id":1,"Name":"Tea"},{"Id":2,"Name":"Coffee"},{"Id":3,"Name":"Cake"}]}}

4.3.8.10 GetServiceListbyMeetingId
This api will help user to get list of service based on meeting id.

API Module	Cocon for Plixus Core	Plixus Core
GetServiceListbyMeetingId	☑	☐

Structure：
http://localhost:8890/CoCon/Interactive/GetServiceListbyMeetingId/?MeetingId={int}

Example:
http://localhost:8890/CoCon/Interactive/GetServiceListbyMeetingId/?MeetingId=17

Return:
{"ServiceList":{"Services":[{"Id":1,"Name":"Tea"},{"Id":2,"Name":"Coffee"}]}}

4.3.8.11 SetServiceRequestState

API Module	Cocon for Plixus Core	Plixus Core
SetServiceRequestState	☑	☐

Configure Service Request State
Structure：
http://localhost:8890/CoCon/Interactive/SetServiceRequestState?SeatId={int}&ServiceId={int}&ServiceState={int}

Example:
http://localhost:8890/CoCon/Interactive/SetServiceRequestState?SeatId=2&ServiceId=1&ServiceState=0

Return:
Update Event:
{"ServiceRequestEvent":{"SeatId":2,"ServiceId":1,"ServiceState":0}}

4.3.8.12 GetServiceRequestStates

API Module	Cocon for Plixus Core	Plixus Core
GetServiceRequestStates	☑	☐

This api will help user to get list of service based on meeting id.
Structure：
http://localhost:8890/CoCon/Interactive/GetServiceRequestStates

Example:
http://localhost:8890/CoCon/Interactive/GetServiceRequestStates

Return:
{"ServiceRequestEvent":{"Seats":[{"SeatId":2,"Services":[{"ServiceId":1,"ServiceState":1},{"ServiceId":2,"ServiceState":1}]}]}}

4.3.8.13 DisableDelegateScreen

API Module	Cocon for Plixus Core	Plixus Core
DisableDelegateScreen	☑	☐

This API allows to disable uniCOS delegate screens
Notes:
- It doesn't apply to uniBOX units
- It only applies to the uniCOS F/MM7 (71.98.2002), F/MM10 (71.98.2001) and T/MM10 (71.98.2003). Or on the customized units based on these uniCOS unit generation

Structure：
http://localhost:8890/CoCon/Interactive/DisableDelegateScreen/?Disable={isDisabled}

Example:
http://localhost:8890/CoCon/Interactive/DisableDelegateScreen/?Disable=false

Return:
      0   succeed
     -1   exception

4.3.8.14 ResetScreen

API Module	Cocon for Plixus Core	Plixus Core
ResetScreen	☑	☐

This API allows to reset the software of unicos/unibox units. The behavior is identical to "reset screen" functionality which is offered through the Cocon Operator application. Important to mention that a meeting pause/resume or resend meeting data is required to have the unit back in correct meeting state.

Structure：
http://localhost:8890/CoCon/Interactive/ResetScreen/?SeatId={seatNumber}

Example:
http://localhost:8890/CoCon/Interactive/ResetScreen/?SeatId=2

Return:

0   succeed
-1   exception
1   seat not found

Note: HTTP status code 503 in case central unit is not connected.

4.3.9 Audio

4.3.9.1 GetCurrentAudioSoftwareConfiguration

API Module	Cocon for Plixus Core	Plixus Core
GetCurrentAudioSoftwareConfiguration	☑	☑

Structure：
http://localhost:8890/CoCon/Audio/GetCurrentAudioSoftwareConfiguration

Example:
http://localhost:8890/CoCon/Audio/GetCurrentAudioSoftwareConfiguration

Return:

{"GetCurrentAudioSoftwareConfiguration":{"AudioSoftwareConfiguration":{"Id":3,"Name":"External equalizer"}}}

4.3.9.2 GetCurrentAudioSoftwareConfigurationInDetails

API Module	Cocon for Plixus Core	Plixus Core
GetCurrentAudioSoftwareConfigurationInDetails	☑	☑

Structure：
http://localhost:8890/CoCon/Audio/GetCurrentAudioSoftwareConfigurationInDetails

Example:
http://localhost:8890/CoCon/Audio/GetCurrentAudioSoftwareConfigurationInDetails

Note: This call returns the details of the current SAVED audio configuration. If changes were applied one will only observe these through this call after saving the configuration.

Return:

{"GetCurrentAudioSoftwareConfigurationInDetails":{"AudioSoftwareConfiguration":{"Id":1,"Name":"Normal routing","MatrixNodes":[{"InputGroupName":"Floor IN","OutputGroupName":"Floor OUT","MixValue":0,"Status":true,"BackupStatus":false},{"InputGroupName":"AUX IN","OutputGroupName":"Floor OUT","MixValue":0,"Status":true,"BackupStatus":false},{"InputGroupName":"Dante IN","OutputGroupName":"Floor OUT","MixValue":0,"Status":true,"BackupStatus":false},{"InputGroupName":"Floor IN","OutputGroupName":"AUX OUT","MixValue":0,"Status":true,"BackupStatus":false},{"InputGroupName":"AUX IN","OutputGroupName":"AUX OUT","MixValue":0,"Status":true,"BackupStatus":false},{"InputGroupName":"Dante IN","OutputGroupName":"AUX OUT","MixValue":0,"Status":true,"BackupStatus":false},{"InputGroupName":"Floor IN","OutputGroupName":"Dante OUT","MixValue":0,"Status":true,"BackupStatus":false},{"InputGroupName":"AUX IN","OutputGroupName":"Dante OUT","MixValue":0,"Status":true,"BackupStatus":false},{"InputGroupName":"Dante IN","OutputGroupName":"Dante OUT","MixValue":0,"Status":true,"BackupStatus":false},{"InputGroupName":"Lang1 IN","OutputGroupName":"Lang1

OUT","MixValue":0,"Status":true,"BackupStatus":false},{"InputGroupName":"Floor IN","OutputGroupName":"Lang1
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OUT","MixValue":0,"Status":false,"BackupStatus":true},{"InputGroupName":"Dante IN","OutputGroupName":"Lang3
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OUT","MixValue":33,"Status":false,"BackupStatus":false},{"InputGroupName":"Lang11 IN","OutputGroupName":"Lang3
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OUT","MixValue":0,"Status":false,"BackupStatus":true},{"InputGroupName":"Dante IN","OutputGroupName":"Lang4
OUT","MixValue":0,"Status":false,"BackupStatus":true},{"InputGroupName":"Lang1 IN","OutputGroupName":"Lang4
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OUT","MixValue":0,"Status":false,"BackupStatus":true},{"InputGroupName":"AUX IN","OutputGroupName":"Lang5
OUT","MixValue":0,"Status":false,"BackupStatus":true},{"InputGroupName":"Dante IN","OutputGroupName":"Lang5
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IN","OutputGroupName":"Lang11
OUT","MixValue":33,"Status":false,"BackupStatus":false}],"AudioGroups":[{"Id":0,"Name":"Floor
IN","Type":"Input"},{"Id":1,"Name":"AUX IN","Type":"Input"},{"Id":2,"Name":"Dante
IN","Type":"Input"},{"Id":3,"Name":"Lang1 IN","Type":"Input"},{"Id":4,"Name":"Lang2
IN","Type":"Input"},{"Id":5,"Name":"Lang3 IN","Type":"Input"},{"Id":6,"Name":"Lang4
IN","Type":"Input"},{"Id":7,"Name":"Lang5 IN","Type":"Input"},{"Id":8,"Name":"Lang6
IN","Type":"Input"},{"Id":9,"Name":"Lang7 IN","Type":"Input"},{"Id":10,"Name":"Lang8
IN","Type":"Input"},{"Id":11,"Name":"Lang9 IN","Type":"Input"},{"Id":12,"Name":"Lang10
IN","Type":"Input"},{"Id":13,"Name":"Lang11 IN","Type":"Input"},{"Id":1,"Name":"Floor
OUT","Type":"Output"},{"Id":2,"Name":"AUX OUT","Type":"Output"},{"Id":3,"Name":"Dante
OUT","Type":"Output"},{"Id":4,"Name":"Lang1 OUT","Type":"Output"},{"Id":5,"Name":"Lang2
OUT","Type":"Output"},{"Id":6,"Name":"Lang3 OUT","Type":"Output"},{"Id":7,"Name":"Lang4
OUT","Type":"Output"},{"Id":8,"Name":"Lang5 OUT","Type":"Output"},{"Id":9,"Name":"Lang6
OUT","Type":"Output"},{"Id":10,"Name":"Lang7 OUT","Type":"Output"},{"Id":11,"Name":"Lang8
OUT","Type":"Output"},{"Id":12,"Name":"Lang9 OUT","Type":"Output"},{"Id":13,"Name":"Lang10
OUT","Type":"Output"},{"Id":14,"Name":"Lang11 OUT","Type":"Output"}]}}}

4.3.9.3 GetAudioSoftwareConfigurations

API Module	Cocon for Plixus Core	Plixus Core
GetAudioSoftwareConfigurations	☑	☑

Structure：
http://localhost:8890/CoCon/Audio/GetAudioSoftwareConfigurations

Example:
http://localhost:8890/CoCon/Audio/GetAudioSoftwareConfigurations

Return:
{"GetAudioSoftwareConfigurations":{"AudioSoftwareConfigurations":[{"Id":1,"Name":"Normal
routing","Description":"Incoming audio from microphone ,auxiliary inputs 1 - 2 & 3 and dante input channel 1 is
routed by default to the unit speakers ,auxiliary outputs 1 - 2 & 3 and dante output channel
1.","Predefined":true,"State":"New"},{"Id":2,"Name":"Distance conferencing","Description":"Incoming audio from
microphone ,auxiliary inputs 1 - 2 & 3 and dante input channel 1 is routed by default to the unit speakers.
Incoming audio from microphone is routed by default to the auxiliary outputs 1 - 2 &3 and dante output channel
1.","Predefined":true,"State":"New"},{"Id":3,"Name":"External equalizer","Description":"Incoming audio from
auxiliary inputs 1 - 2 & 3 and dante input channel 1 is routed by default to the unit speakers. Incoming audio
from microphone is routed by default to the auxiliary outputs 1 - 2 & 3 and dante output channel
1.","Predefined":true,"State":"New"},{"Id":4,"Name":"New Preset","Description":"This is a new
preset","Predefined":false,"State":"Running"}]}}

4.3.9.4 GetAudioGroupsInCurrentConfiguration

API Module	Cocon for Plixus Core	Plixus Core
GetAudioGroupsInCurrentConfiguration	☑	☑

This command will reply with all groups from running (Active) Preset.
Structure：
http://localhost:8890/CoCon/Audio/GetAudioGroupsInCurrentConfiguration

Example:
http://localhost:8890/CoCon/Audio/GetAudioGroupsInCurrentConfiguration

Return:

{"GetAudioGroupsInCurrentConfiguration":{"AudioGroups":[{"Id":0,"Name":"Floor IN","Type":"Input"},{"Id":1,"Name":"AUX IN","Type":"Input"},{"Id":2,"Name":"Dante IN","Type":"Input"},{"Id":3,"Name":"Lang1 IN","Type":"Input"},{"Id":4,"Name":"Lang2 IN","Type":"Input"},{"Id":5,"Name":"Lang3 IN","Type":"Input"},{"Id":6,"Name":"Lang4 IN","Type":"Input"},{"Id":7,"Name":"Lang5 IN","Type":"Input"},{"Id":8,"Name":"Lang6 IN","Type":"Input"},{"Id":9,"Name":"Lang7 IN","Type":"Input"},{"Id":10,"Name":"Lang8 IN","Type":"Input"},{"Id":11,"Name":"Lang9 IN","Type":"Input"},{"Id":12,"Name":"Lang10 IN","Type":"Input"},{"Id":13,"Name":"Lang11 IN","Type":"Input"},{"Id":1,"Name":"Floor OUT","Type":"Output"},{"Id":2,"Name":"AUX OUT","Type":"Output"},{"Id":3,"Name":"Dante OUT","Type":"Output"},{"Id":4,"Name":"Lang1 OUT","Type":"Output"},{"Id":5,"Name":"Lang2 OUT","Type":"Output"},{"Id":6,"Name":"Lang3 OUT","Type":"Output"},{"Id":7,"Name":"Lang4 OUT","Type":"Output"},{"Id":8,"Name":"Lang5 OUT","Type":"Output"},{"Id":9,"Name":"Lang6 OUT","Type":"Output"},{"Id":10,"Name":"Lang7 OUT","Type":"Output"},{"Id":11,"Name":"Lang8 OUT","Type":"Output"},{"Id":12,"Name":"Lang9 OUT","Type":"Output"},{"Id":13,"Name":"Lang10 OUT","Type":"Output"},{"Id":14,"Name":"Lang11 OUT","Type":"Output"}]}}

4.3.9.5 SetAudioSoftwareConfigurationById

API Module	Cocon for Plixus Core	Plixus Core
SetAudioSoftwareConfigurationById	☑	☑

Parameters:

Name	Description	Type
Id	The id of the audio software configuration	int

Structure:
http://localhost:8890/CoCon/Audio/SetAudioSoftwareConfigurationById/?Id={id}

Example:
http://localhost:8890/CoCon/Audio/SetAudioSoftwareConfigurationById/?Id=1

Return:

{"SetAudioSoftwareConfigurationById":{"AudioSoftwareConfiguration":{"Description":"Incoming audio from microphone, auxiliary inputs 1, 2 & 3 and Dante input channel 1 is routed by default to the unit speakers, auxiliary outputs 1, 2 & 3 and Dante output channel 1.","Id":1,"Name":"Normal routing","Predefined":true,"State":"Active"}}}

4.3.9.6 SetAudioSoftwareConfigurationByName

API Module	Cocon for Plixus Core	Plixus Core
SetAudioSoftwareConfigurationByName	☑	☑

Name: SetAudioSoftwareConfigurationByName
Parameters:

Name	Description	Type
Name	The Name of the audio software configuration	string

Structure:
http://localhost:8890/CoCon/Audio/SetAudioSoftwareConfigurationByName/?Name={name}

Example:
http://localhost:8890/CoCon/Audio/SetAudioSoftwareConfigurationByName/?Name=Normal routing 123

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.9.7 ChangeMatrixNodeStatus

API Module	Cocon for Plixus Core	Plixus Core
ChangeMatrixNodeStatus	☑	☑

This command will apply on the current running (active) preset only.

Parameters:

Name	Description	Type
InputGroupName	The name of routing input group	string
OutputGroupName	The name of routing output group	string
Status	The matrix node status(enable or not) True/False	bool
BackupStatus	The matrix node backup status(enable or not) True/False	bool
MixValue	The mix value of the group(**-100~0**)	int

Structure:
http://localhost:8890/CoCon/Audio/ChangeMatrixNodeStatus/?InputGroupName={inputGroupName}&OutputGroupName={outputGroupName}&Status={status}&BackupStatus={backupStatus}&MixValue={mixValue}

Example:
http://localhost:8890/CoCon/Audio/ChangeMatrixNodeStatus/?InputGroupName=Floor In&OutputGroupName=Floor Out&Status=False&BackupStatus=False&MixValue=-20

Return:
{"ChangeMatrixNodeStatus":{"MatrixNode":{"InputGroupName":"Floor In","OutputGroupName":"Floor out","MixValue":-20,"Status":false,"BackupStatus":false,"Id":201}}}

4.3.9.8 GetMatrixNodeStatus

API Module	Cocon for Plixus Core	Plixus Core
GetMatrixNodeStatus	☑	☑

Get the status of a specific node in running (Active) audio preset. The input group and output group are required.

Name	Description	Type
InputGroupName	The name of routing input group	String
OutputGroupName	The name of routing output group	string

Structure:
http://localhost:8890/CoCon/Audio/GetMatrixNodeStatus/?InputGroupName={inputGroupName}&OutputGroupName={inputGroupName}

Example:
http://localhost:8890/CoCon/Audio/GetMatrixNodeStatus/?InputGroupName=Floor In&OutputGroupName=Floor Out

Return:
{"GetMatrixNodeStatus":{"MatrixNode":{"InputGroupName":"Floor In","OutputGroupName":"Floor out","MixValue":-20,"Status":false,"BackupStatus":true,"Id":201}}}

4.3.9.9 SaveAudioSoftwareConfiguration

API Module	Cocon for Plixus Core	Plixus Core
SaveAudioSoftwareConfiguration	☑	☑

If the " name " corresponding configuration not exists in the database, it will create a new configuration and If the " name " is exists in the database then save it.
Note: CoCon will ignore the text case for the preset name.

Parameters:

Name	Description	Type
Name	Name of the configuration	string
Description	Description of the configuration	string

Structure：
http://localhost:8890/CoCon/Audio/SaveAudioSoftwareConfiguration/?Name={name}&Description={description}

Example:
http://localhost:8890/CoCon/Audio/SaveAudioSoftwareConfiguration/?Name=Audio Preset Test&Description=Audio Preset Test

Return:
{"SaveAudioSoftwareConfiguration":{"AudioSoftwareConfiguration":{"Id":16,"Name":"Audio Preset Test","Description":"Audio Preset Test","Predefined":false,"State":"New"}}}

Return for CoCon for Plixus Core & Plixus Core:
Note: only the second reply contains the right data, so user have to send 2 time api call to get the updated info.

4.3.10 Logging

4.3.10.1 GetCUState

API Module	Cocon for Plixus Core	Plixus Core
GetCUState	☑	☐

Get the status of the Plixus engine

Structure:
http://localhost:8890/CoCon/Logging/GetCUState

Return:
{"GetCUState":{"CuState":"Connected"}}
{"GetCUState":{"CuState":"Disconnected"}}

4.3.10.2 GetUnitErrorState

API Module	Cocon for Plixus Core	Plixus Core
GetUnitErrorState	☑	☑

Gets the IDs of the units which are currently in error state.

Structure:
http://localhost:8890/CoCon/Logging/GetUnitErrorState

Return:
{"GetUnitErrorState":{"Units":[{"UnitId":1},{"UnitId":2},{"UnitId":6},{"UnitId":7}]}}

4.3.11 ButtonLED_Event

4.3.11.1 SetButtonsEnabled

API Module	Cocon for Plixus Core	Plixus Core
SetButtonsEnabled	☑	☑

Set the buttons of one or more seats to enabled or disabled.
If the buttons are disabled, no button events are possible.
Set the enabled to true to allow CoCon, and the API, to receive button events from the units.

The event "ButtonPressed" (see section 4.2.10.1) can only be received by the API clients after one or more of the buttons have been enabled, using the command "SetButtonsEnabled".

Structure:
http://localhost:8890/CoCon/ButtonLED_Event/SetButtonsEnabled/?SeatNr=<SeatNr>&ButtonNr=<ButtonNr>&Enabled=<Enabled>

Parameters:

Name	Description	Type
SeatNr	The number of the seat on which the buttons are enable/disabled. Use 9999 for all units	int
ButtonNr	The number of the button which was pressed. Possible values: 1-5, depending on the possibilities of the delegate units. For example: delegate units with 3 buttons only have buttons 2-3-4	int
Enabled	True to enable buttons False to disable buttons	bool

Example:
http://localhost:8890/CoCon/ButtonLED_Event/SetButtonsEnabled/?SeatNr=5&ButtonNr=2&Enabled=true

Return:
0 → operation success; 1 → Operation fail (not valid value); -1 → exception

4.3.11.2 SetLED

API Module	Cocon for Plixus Core	Plixus Core
SetLED	☑	☑

Sets the LED of one or more seats.

Structure:
http://localhost:8890/CoCon/ButtonLED_Event/SetLED/?SeatNr=<SeatNr>&LEDNr=<LEDNr>&State=<State>

Parameters:

Name	Description	Type
SeatNr	The number of the seat on which the LEDs are set. Use 9999 for all units	int
LEDNr	The number of the LED which should be set. Possible values: 1-5, depending on the possibilities of the delegate units. For example: delegate units with 3 buttons only have buttons 2-3-4	int
State	The state to which the LED should be set Values: On Off Blinking	string

Example:
http://localhost:8890/CoCon/ButtonLED_Event/SetLED/?SeatNr=4&LEDNr=2&State=Blinking

Return:
0 → operation success; 1 → Operation fail (not valid value); -1 → exception

4.3.11.3 SetNextButtonEnabled

API Module	Cocon for Plixus Core	Plixus Core
SetNextButtonEnabled	☐	☑

Enables the Next button of a unit. When enabled and a button up event is triggered, an API event will be sent out. The events will remain active for each button up event until the next system reboot or until they are explicitly de-activated through this API call.

Note: This api call will work only on delegate(no chairmen) seat where unit have Next & Prior physical buttons and configurable by Room server xml file.

Structure:
http://localhost:8890/CoCon/ButtonLED_Event/SetNextButtonEnabled/?SeatNr={SeatNr}&Enabled={Enabled}

Parameters:

Name	Description	Type
SeatNr	The seat number Use 9999 for all units	int
Enabled	true, false	boolean

Example:
http://localhost:8890/CoCon/ButtonLED_Event/SetNextButtonEnabled/?SeatNr=7&Enabled=true

Return:
0 → operation success; 1 → Operation fail (not valid value); -1 → exception

4.3.11.4 SetPriorButtonEnabled

API Module	Cocon for Plixus Core	Plixus Core
SetPriorButtonEnabled	☐	☑

Enables the Prior button of a unit. When enabled and a button up event is triggered, an API event will be sent out. The events will remain active for each button up event until the next system reboot or until they are explicitly de-activated through this API call.

Note: This api call will work only on delegate(no chairmen) seat where unit have Next & Prior physical buttons and configurable by Room server xml file..

Structure:
http://localhost:8890/CoCon/ButtonLED_Event/SetPriorButtonEnabled/?SeatNr={SeatNr}&Enabled={Enabled}

Parameters:

Name	Description	Type
SeatNr	The seat number Use 9999 for all units	int
Enabled	true, false	boolean

Example:
http://localhost:8890/CoCon/ButtonLED_Event/SetPriorButtonEnabled/?SeatNr=7&Enabled=true

Return:
0 → operation success; 1 → Operation fail (not valid value); -1 → exception

4.3.11.5 SetNextButtonLedStatus

API Module	Cocon for Plixus Core	Plixus Core
SetNextButtonLedStatus	☑	☑

Sets the Next button LED status
As for the LED color:
- Confidea-F: Red
- Confidea-T: Blue
- Confidea-FLEX : White
- Confidea wireless G3: NOT SUPPORTED

Structure:
http://localhost:8890/CoCon/ButtonLED_Event/SetNextButtonLedStatus/?SeatNr={seatnr}&State={state}

Parameters:

Name	Description	Type
SeatNr	The seat number	int
State	supported values : On, Off, Fast, Slow, Medium	string

Example:
http://localhost:8890/CoCon/ButtonLED_Event/SetNextButtonLedStatus/?SeatNr=1&State=on

Return:
0 → operation success; 1 → Operation fail (not valid value); -1 → exception

4.3.11.6 SetPriorButtonLedStatus

API Module	Cocon for Plixus Core	Plixus Core
SetPriorButtonLedStatus	☑	☑

Sets the Prior button LED status
As for the LED color:
- Confidea-F: Red
- Confidea-T: Blue
- Confidea-FLEX : White
- Confidea wireless G3: NOT SUPPORTED

Structure:
http://localhost:8890/CoCon/ButtonLED_Event/SetPriorButtonLedStatus/?SeatNr={seatnr}&State={state}

Parameters:

Name	Description	Type
SeatNr	The seat number	Int
State	Supported values : On, Off, Fast, Slow, Medium	string

Example:
http://localhost:8890/CoCon/ButtonLED_Event/SetPriorButtonLedStatus/?SeatNr=7&State=fast

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

---

4.3.11.7 SetMicLED

API Module	Cocon for Plixus Core	Plixus Core
SetMicLED	☑	☐

Sets the LED of microphone or ring for the seat.

Structure:
http://localhost:8890/CoCon/ButtonLED_Event/SetMicLED/?SeatNr=<SeatNr>&LedName=<LedName>&LedColor=<LedColor>&LedBlinkingPace=<LedBlinkingPace>

Parameters:

Name	Description	Type
SeatNr	The seat number	int
LedName	The LED name which should be set. Supported values: mic, ring	string
LedColor	The LED color which should be set. Supported values: red, green	string
LedBlinkingPace	The LED blinking pace which should be set. Supported values: on, off, fast, medium, slow	string

Example:
http://localhost:8890/CoCon/ButtonLED_Event/SetMicLED/?SeatNr=2&LedName=mic&LedColor=green&LedBlinkingPace=slow

Return:
0 → operation success; 1 → Operation fail (not valid value); -1 → exception

4.3.12 External

4.3.12.1 Send message to Operator

API Module	Cocon for Plixus Core	Plixus Core
SendMsgToOperato	☑	☑

Structure:
http://localhost:8890/CoCon/External/SendMsgToOperator/?Message={msg}
Example:
http://localhost:8890/CoCon/External/SendMsgToOperator/?Message={"This is an example msg"}

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.12.2 NotifyExternalCall

API Module	Cocon for Plixus Core	Plixus Core
NotifyExternalCall	☑	☐

Notification to Interpreter Desk for the external call.

Structure:

---

http://localhost:8890/CoCon/External/NotifyExternalCall/?To={unitIds}&Beep={isBeep}

Parameters:

Name	Description	Type
UnitIds	The unit ids list separate by comma. 2,5,10	srting
Beep	True/ False To send Beep sound on the desk	bool

Example:
http://localhost:8890/CoCon/External/NotifyExternalCall/?To=2,3,4&Beep=True

Returns: string
{"NotifyExternalCall":true}

4.3.13 Interpretation

Interpreter management and configuration commands

4.3.13.1 GetAllBoothsInRoom

API Module	Cocon for Plixus Core	Plixus Core
GetAllBoothsInRoom	☑	☑

Get all booths name from current active room.
Structure:
http://localhost:8890/CoCon/Interpretation/GetAllBoothsInRoom

Example:
http://localhost:8890/CoCon/Interpretation/GetAllBoothsInRoom

Return:
{"GetAllBoothsInRoom":{"Booths":[{"BoothId":1,"Desks":[10,7]}]}}

4.3.13.2 AddLanguage

API Module	Cocon for Plixus Core	Plixus Core
AddLanguage	☑	☑

Add new language to DB.
Structure:
http://localhost:8890/CoCon/Interpretation/AddLanguage/?Name={name}&ISO={iso}
Parameters:

Name	Description	Type
Name	Name of the Language	string
ISO	2/3 letters code for the Language	string

Return: int

Example:
http://localhost:8890/CoCon/Interpretation/AddLanguage/?Name=English&ISO=EN

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.13.3 RemoveLanguage

API Module	Cocon for Plixus Core	Plixus Core
RemoveLanguage	☑	☑

Remove language from the existing list of language.
Structure:
http://localhost:8890/CoCon/Interpretation/RemoveLanguage/?Name={name}
Parameters:

Name	Description	Type
Name	Name of the Language	string

Return: int

Example:
http://localhost:8890/CoCon/Interpretation/RemoveLanguage/?Name=English

Return:
  0 → operation success; 1 → Operation fail (not valid value) -1 → exception

4.3.13.4 ClearLanguages

API Module	Cocon for Plixus Core	Plixus Core
ClearLanguages	☑	☑

Clear all the language from the language list.
Structure:
http://localhost:8890/CoCon/Interpretation/ClearLanguages
Return: int

Example:
http://localhost:8890/CoCon/Interpretation/ClearLanguages

Return:
  0 → operation success (reply not send in Cocon for Plixus Core and Plixus Core); 1 → Operation fail (not valid value) -1 → exception

4.3.13.5 AddInterpreterPreset

API Module	Cocon for Plixus Core	Plixus Core
AddInterpreterPreset	☑	☑

Add new interpreter preset
Structure:
http://localhost:8890/CoCon/Interpretation/AddInterpreterPreset/?Name={name}&Description={description}&MicMode={micMode}&BoothMode={boothMode}

New Optional Structure :
http://localhost:8890/CoCon/Interpretation/AddInterpreterPreset/?Name={name}&Description={description}&MicMode={micMode}&BoothMode={boothMode}&MultipleChannelActivation={multipleChannelActivation}&IsOverrideChannel={isOverrideChannel}&IsAllActiveMicsLEDBlink={isAllActiveMicsLEDBlink}&AllActiveMicsLEDBlinkTime={allActiveMicsLEDBlinkTime}&IsSlowDownImplementedExternally={isSlowDownImplementedExternally}&IsListenerCountConfigurator={isListenerCountConfigurator}&ListenerCountConfiguratorTime={listenerCountConfiguratorTime}

Parameters:

Name	Description	Type
Name	The name of Interpreter preset (Required)	string
Description	The description of the interpreter preset (Optional)	string

MicMode	Interpretation mic mode 0 = override mode 1 = mixed mode (Optional)	int
BoothMode	Interpretation mode between booths 0 = override mode 1 = mixed mode 2 = Lock on A. Override on B (Optional)	Int
MultipleChannelActivation	Allow multiple channel can active on same booth (True / False : Optional parameter, Default value : False)	Bool
IsOverrideChannel	Allow only one channel can active in one booth (True / False : Optional parameter, Default value : False)	Bool
IsAllActiveMicsLEDBlink	All active mics LED blinking if the speak slow function enabled (True / False : Optional parameter, Default value : False)	Bool
AllActiveMicsLEDBlinkTime	Speak slow function Enabled + configure the time for the mic led blinking for speak slow function. (Optional parameter, Default value : 5 sec)	int
IsSlowDownImplementedExternally	Send notification for the speak low to external API user. (True / False : Optional parameter, Default value : True)	Bool
IsListenerCountConfigurator	Listener Count function enabled (True / False : Optional parameter, Default value : False)	Bool
ListenerCountConfiguratorTime	Configure the time for the listener count event from CU to Server (Optional parameter, Default value : 60 sec)	int

Example:
http://localhost:8890/CoCon/Interpretation/AddInterpreterPreset/?Name=My first test &Description=Test first test&MicMode=0&BoothMode=0

Return:
{"AddInterpreterPreset":{"InterpreterPreset":{"Id":11,"Name":"My first test ","Description":"Test first test","DeskMode":0,"BoothMode":0,"State":"Inactive"}}}

New Return value :
{"AddInterpreterPreset":{"InterpreterPreset":{"Id":10,"Name":" MTest 1","Description":"","DeskMode":0,"BoothMode":0,"MultipleChannelActivation":false,"IsOverrideChannel":false,"IsAllActiveMicsLEDBlink":false,"AllActiveMicsLEDBlinkTime":5,"IsSlowDownImplementedExternally":true,"IsListenerCountConfigurator":false,"ListenerCountConfiguratorTime":60,"State":"Inactive"}}}

4.3.13.6 DeleteInterpreterPreset

API Module	Cocon for Plixus Core	Plixus Core
DeleteInterpreterPreset	☑	☑

Delete the existing interpreter preset by Preset id
Structure:
http://localhost:8890/CoCon/Interpretation/DeleteInterpreterPreset/?Id={presetId}

Parameters:

Name	Description	Type
PresetId	The Id of Interpreter Preset	int

Return: int

Note: Active preset can't be deleted.

Example:
http://localhost:8890/CoCon/Interpretation/DeleteInterpreterPreset/?Id=2

Return:
0 → operation success (reply not send in Cocon for Plixus Core and Plixus Core); 1 → Operation fail (not valid value) -1 → exception

4.3.13.7 ApplyInterpreterPreset

API Module	Cocon for Plixus Core	Plixus Core
ApplyInterpreterPreset	☑	☑

Send interpreter Preset to activate preset by ID
Structure:
http://localhost:8890/CoCon/Interpretation/ApplyInterpreterPreset/?Id={presetId}

Parameters:

Name	Description	Type
PresetId	The Id of Interpreter Preset	int

Return: int

Example:
http://localhost:8890/CoCon/Interpretation/ApplyInterpreterPreset/?Id=2

Return:
0 → operation success (reply not send in Plixus Core); 1 → Operation fail (not valid value) -1 → exception

Return for CoCon for Plixus Core & Plixus Core:
Note: Api call will work as expected and update event will recived instead of "0"
String : {"ApplyInterpreterPreset":2}

4.3.13.8 GetActiveInterpreterPreset

API Module	Cocon for Plixus Core	Plixus Core
GetActiveInterpreterPreset	☑	☑

Get current active interpreter preset information.
Structure:
http://localhost:8890/CoCon/Interpretation/GetActiveInterpreterPreset

Example:
http://localhost:8890/CoCon/Interpretation/GetActiveInterpreterPreset

Return: string

{"GetActiveInterpreterPreset":{"InterpreterPreset":{"Id":0,"Name":"Default","Description":"The default configuration with English, French, German and Dutch.","DeskMode":0,"BoothMode":0,"MultiChannelActivation":false,"Locked":false,"AudienceIndication":false,"AudienceIndicationInterval":60,"State":"Active","Channels":[{"Order":1,"Language":"01 EN","Booth":"1","Desks":[{"Name":"1","ActiveChannel":0,"Relays":["Floor","Floor","Floor","Floor","Floor","Floor"]}],"Quality":0,"IsRecording":false},{"Order":2,"Language":"02 FR","Booth":"EmptyBooth","Desks":[],"Quality":0,"IsRecording":false},{"Order":3,"Language":"03 DE","Booth":"EmptyBooth","Desks":[],"Quality":0,"IsRecording":false},{"Order":4,"Language":"04 NL","Booth":"EmptyBooth","Desks":[],"Quality":0,"IsRecording":false},{"Order":5,"Language":"05 TA","Booth":"EmptyBooth","Desks":[],"Quality":0,"IsRecording":false}]}}}

4.3.13.9 GetAllInterpreterPresets

API Module	Cocon for Plixus Core	Plixus Core
GetAllInterpreterPresets	☑	☑

Get all interpreter presets from the current room.
Structure:
http://localhost:8890/CoCon/Interpretation/GetAllInterpreterPresets

Example:
http://localhost:8890/CoCon/Interpretation/GetAllInterpreterPresets

Return: string
{"GetAllInterpreterPresets":{"InterpreterPreset":[{"Id":7,"Name":"Test 1","Description":"","DeskMode":0,"BoothMode":0,"MultipleChannelActivation":false,"IsOverrideChannel":true,"IsAllActiveMicsLEDBlink":true,"AllActiveMicsLEDBlinkTime":5,"IsSlowDownImplementedExternally":true,"IsListenerCountConfigurator":true,"ListenerCountConfiguratorTime":10,"State":"Active"},{"Id":9,"Name":"My first test ","Description":"Test first test","DeskMode":0,"BoothMode":0,"MultipleChannelActivation":false,"IsOverrideChannel":false,"IsAllActiveMicsLEDBlink":false,"AllActiveMicsLEDBlinkTime":5,"IsSlowDownImplementedExternally":true,"IsListenerCountConfigurator":false,"ListenerCountConfiguratorTime":60,"State":"Inactive"}]}}

4.3.13.10   GetAllLanguages

API Module	Cocon for Plixus Core	Plixus Core
GetAllLanguages	☑	☑

Get all languages which is available in language list.
Structue :
http://localhost:8890/CoCon/Interpretation/GetAllLanguages
Example:
http://localhost:8890/CoCon/Interpretation/GetAllLanguages

Return: string
{"GetAllLanguages":{"Languages":[{"Name":"Bulgarian","ISO":"BG"},{"Name":"Bosnian","ISO":"BS"},{"Name":"Bihari","ISO":"BH"},{"Name":"Czech","ISO":"CS"},{"Name":"Cree","ISO":"CR"},{"Name":"Dutch","ISO":"NL"},{"Name":"Divehi","ISO":"DV"},{"Name":"Hebrew","ISO":"HE"},{"Name":"Haitian","ISO":"HT"},{"Name":"Limburgish","ISO":"LI"}]}}

4.3.13.11   GetAllChannels

API Module	Cocon for Plixus Core	Plixus Core
GetAllChannels	☑	☑

Get all channels list by existing preset id.
Structure:
http://localhost:8890/CoCon/Interpretation/GetAllChannels/?PresetId={presetId}

Example:
http://localhost:8890/CoCon/Interpretation/GetAllChannels/?PresetId=2

Return: String
{"GetAllChannels":{"Channels":[{"Order":1,"Language":"English","AudioRouting":"1","DisplayText":"01
EN","AutoFloor":false,"BackupChannel":"Floor"},{"Order":2,"Language":"Chinese","AudioRouting":"2","DisplayTe
xt":"02
ZH","AutoFloor":false,"BackupChannel":"Floor"},{"Order":3,"Language":"Dutch","AudioRouting":"3","DisplayText"
:"03
NL","AutoFloor":false,"BackupChannel":"Floor"},{"Order":4,"Language":"French","AudioRouting":"External","Disp
layText":"04
FR","AutoFloor":false,"BackupChannel":"Floor"},{"Order":5,"Language":"Hindi","AudioRouting":"Disabled","Displ
ayText":"05 HI","AutoFloor":false,"BackupChannel":"Floor"}]}}

4.3.13.12   AddChannel

API Module	Cocon for Plixus Core	Plixus Core
AddChannel	☑	☑

Add channel to existing preset via preset Id.
Please note that for now, channels should always be added at the end of the channel list (i.e., you have to supply the next free channel number to the "Order" parameter.

Parameters:

Name	Description	Type
PresetId	The Id of Interpreter Preset	int
Order	Number of the channels	int
Language	Language name	string
DisplayText	Display text: Text that is shown on the channel selector. E.g.: 02 ENG	string
AudioRouting	Set audio routing for the channel. Plixus Core & CoCon For Plixus Core: 'comma-separated-booth-numbers', Disabled, External, EmptyBooth	string
BackupChannel	Set the backup channel Floor (Now only floor is backup channel) Optional parameter.	string
AutoFloor	Set auto floor is enabled or disabled False (CoCon 5.1does not support auto floor yet) Optional parameter.	bool
IsRecording	Channel recording or not. Optional parameter.	bool

Structure:
http://localhost:8890/CoCon/Interpretation/AddChannel/?PresetId={presetId}&Order={channelNumber}&Langua
ge={language}&DisplayText={displayText}&AudioRouting={audioRouting}&BackupChannel={backupChannel}&
AutoFloor={autoFloor}&IsRecording={ IsRecording}

Example:

http://192.168.8.120:8890/CoCon/Interpretation/AddChannel/?PresetId=5&Order=4&Language=English&DisplayText=EN&AudioRouting=1,2&BackupChannel=Floor&AutoFloor=False&IsRecording=False

Return:

"AddChannel":{"Channel":{"Order":1,"Language":"English","AudioRouting":"1,2","DisplayText":"EN","AutoFloor":false,"IsRecording":false,"BackupChannel":"Floor"}}}

**Log file will have detail for wrong order : You gave an inappropriate channel order, and it has been changed from 5 to 3!

4.3.13.13   AddChannels

API Module	Cocon for Plixus Core	Plixus Core
AddChannels	☑	☑

Add channels to existing preset via preset Id.

Parameters:

Name	Description	Type
PresetId	The Id of Interpreter Preset Every configuration has a unique ID, you need. When creating a new configuration you will find this, or you can use the command /CoCon/Interpretation/GetAllInterpreterPresets	int
Language	Language name list comma separated list of languages. This will add a channel per language in that list to the configuration. It's not needed that the language is 1 of the existing languages. Important is that the language is unique and is not already used in the configuration. To have a list of existing languages with their ISO you can use this API: /CoCon/Interpretation/GetAllLanguages	string
DisplayText	Display text list: Text that is shown on the channel selector. E.g.: 02 ENG	string
AudioRouting	Set audio routing for the channels. list of comma separated audioroutings per channel/language. Options: • number → The corresponding channel/language will be used in 1 booth (booth number) • (comma separated list of numbers) → the corresponding channel/language will be used in multiple booths. All the numbers of the list are all the booths that will be used. • EmptyBooth → the corresponding channel/language is an active channel but there is no booth assigned to it • External → the channel/language is an external channel • Disabled → the corresponding channel/language is disabled.	string

Structure:
http://localhost:8890/CoCon/Interpretation/AddChannels/?PresetId={presetId}&Language={languageList}&DisplayText={displayTextList}&AudioRouting={audioRoutingList}

Example:

http://192.168.8.120:8890/CoCon/Interpretation/AddChannels/?PresetId=5&Language=French,English,Dutch,German,Spanish&DisplayText=02FR,03ENG,04NLD,05GER,06SPA&AudioRouting=1,(2,3,4,10),EmptyBooth,External,Disabled

This command will add 5 channels, first channel with language 'French' (and display text '02FR') assigned to booth 1, second will be a channel with language 'English' (and display text '03ENG') assigned to booth 2,3,4 and 10, third will be a channel with language 'Dutch' (and display text '04NLD') not assigned to a booth (but still enabling this language to be spoken on B/C channel of interpreter desks), etc
The arrays for Language and DisplayText and AudioRouting need to be of equal length.

4.3.13.14   EditChannel

API Module	Cocon for Plixus Core	Plixus Core
EditChannel	☑	☑

Edit the existing channel via preset id. (Overwrite the existing channel.)
Please note that it is not allowed to change the Language Name for a channel.
Structure:
http://localhost:8890/CoCon/Interpretation/EditChannel/?PresetId={presetId}&Order={channelNumber}&Language={language}&DisplayText={displayText}&AudioRouting={audioRouting}&BackupChannel={backupChannel}&AutoFloor={autoFloor}&IsRecording={ IsRecording}

Parameters:

Name	Description	Type
PresetId	The Id of Interpreter Preset	int
Order	Order of the channel	int
Language	Language name	string
DisplayText	Display text: Text that is shown on the channel selector. E.g.: 02 ENG	string
AudioRouting	Set audio routing for the channel. Plixus Core & CoCon For Plixus Core: 'comma-separated-booth-numbers', Disabled, External, EmptyBooth	string
BackupChannel	Set the backup channel Floor (Now only floor is backup channel)	string
AutoFloor	Set auto floor is enabled or disabled False (CoCon 4.0 does not support auto floor yet)	bool
IsRecording	Channel recording or not. Optional parameter.	bool

Return: string
{"EditChannel":{"Channel":{"Order":4,"Language":"Hindi","AudioRouting":"External","DisplayText":"04 HI","AutoFloor":false,"BackupChannel":"Floor ","IsRecording":false }}}

Example:
http://localhost:8890/CoCon/Interpretation/EditChannel/?PresetId=21&Order=4&Language=Hindi&DisplayText=HI&AudioRouting=External&BackupChannel=Floor&AutoFloor=False&IsRecording=False

This command can be used to swap languages between 2 booths. For example, we start from a situation where Booth 1 is English and Booth 2 is French. If we want to swap them, we need to execute the following sequence of commands:

- Change the audio routing for the English channel to "Disabled" ("freeing" Booth 1):
  http://localhost:8890/CoCon/Interpretation/EditChannel/?PresetId=21&Order=1&Language=English&DisplayText=01 EN&AudioRouting=Disabled&BackupChannel=Floor&AutoFloor=False
- Move the French channel to Booth 1:
  http://localhost:8890/CoCon/Interpretation/EditChannel/?PresetId=21&Order=2&Language=French&DisplayText=01 FR&AudioRouting=1&BackupChannel=Floor&AutoFloor=False
- Move the English channel to Booth 2:
  http://localhost:8890/CoCon/Interpretation/EditChannel/?PresetId=21&Order=1&Language=English&DisplayText=02 EN&AudioRouting=2&BackupChannel=Floor&AutoFloor=False

4.3.13.15   DeleteChannel

API Module	Cocon for Plixus Core	Plixus Core
DeleteChannel	☑	☑

Delete channel form the preset via channel id.
Structure:
http://localhost:8890/CoCon/Interpretation/DeleteChannel/?PresetId={presetId}&Order={ordernumber}

Parameters:

Name	Description	Type
PresetId	The Id of Interpreter Preset	int
Order	The order of the channel	int

Example:
http://localhost:8890/CoCon/Interpretation/DeleteChannel/?PresetId=21&Order=18

Return: int
0 → operation success (reply not send in Cocon for Plixus Core and Plixus Core); 1 → Operation fail (not valid value) -1 → exception

4.3.13.16   RemoveAllChannels

API Module	Cocon for Plixus Core	Plixus Core
RemoveAllChannels	☑	☑

Remove all the channels from the existing preset.
Structure:
http://localhost:8890/CoCon/Interpretation/RemoveAllChannels/?PresetId={presetId}

Parameters:

Name	Description	Type
PresetId	The Id of Interpreter Preset	int

Example:
http://localhost:8890/CoCon/Interpretation/RemoveAllChannels/?PresetId=21

Return: int

0 → operation success (reply not send in Cocon for Plixus Core and Plixus Core); 1 → Operation fail (not valid value) -1 → exception

4.3.13.17   SetDisplayText

API Module	Cocon for Plixus Core	Plixus Core
SetDisplayTex	☑	☑

Set / modify display text for the existing channel via channel Id.
Structure:
http://localhost:8890/CoCon/Interpretation/SetDisplayText/?PresetId={presetId}Order={order}&NewText={text}

Parameters:

Name	Description	Type
PresetId	The preset of the Id which will be used	int
Order	The order of the channel	int
NewText	Text for display on channel selector.	string

Example:
http://localhost:8890/CoCon/Interpretation/SetDisplayText/?PresetId=12&Order=2&NewText=ENG

Return: int

0 → operation success (reply not send in Cocon for Plixus Core and Plixus Core); 1 → Operation fail (not valid value) -1 → exception

4.3.13.18   SaveInterpreterPresetAs

API Module	Cocon for Plixus Core	Plixus Core
SaveInterpreterPresetAs	☑	☑

It will save the preset with new name, based on the existing preset id.

Structure:
http://localhost:8890/CoCon/Interpretation/SaveInterpreterPresetAs/?Id={id}&Name={name}&Description={description}&MicMode={micMode}&BoothMode={boothMode}

New Structure with additional optional fields :
http://localhost:8890/CoCon/Interpretation/SaveInterpreterPresetAs/?Id={id}&Name={name}&Description={description}&MicMode={micMode}&BoothMode={boothMode}&MultipleChannelActivation={multipleChannelActivation}&IsOverrideChannel={isOverrideChannel}&IsAllActiveMicsLEDBlink={isAllActiveMicsLEDBlink}&AllActiveMicsLEDBlinkTime={allActiveMicsLEDBlinkTime}&IsSlowDownImplementedExternally={isSlowDownImplementedExternally}&IsListenerCountConfigurator={isListenerCountConfigurator}&ListenerCountConfiguratorTime={listenerCountConfiguratorTime}

Parameters:

Name	Description	Type
Id	Existing Preset's id (Required)	int
Name	The name of Interpreter preset (Required)	string
Description	The description of the interpreter preset (Optional)	string
MicMode	Interpretation mic mode 0 = override mode 1 = mixed mode	int
BoothMode	Interpretation mode between booths 0 = override mode 1 = mixed mode 2 = Lock on A. Override on B (Optional)	Int
MultipleChannelActivation	Allow multiple channel can active on same booth (True / False : Optional parameter, Default value : False) (Optional)	Bool
IsOverrideChannel	Allow only one channel can active in one booth (True / False : Optional parameter, Default value : False)	Bool
IsAllActiveMicsLEDBlink	All active mics LED blinking if the speak slow function enabled (True / False : Optional parameter, Default value : False)	Bool
AllActiveMicsLEDBlinkTime	Speak slow function Enabled + configure the time for the mic led blinking for speak slow function. (Optional parameter, Default value : 5 sec)	int
IsSlowDownImplementedExternally	Send notification for the speak low to external API user. (True / False : Optional parameter, Default value : True)	Bool
IsListenerCountConfigurator	Listener Count function enabled (True / False : Optional parameter, Default value : False)	Bool
ListenerCountConfiguratorTime	Configure the time for the listener count event from CU to Server (Optional parameter, Default value : 60 sec)	int

Return:
0 → operation success; 1 → Operation fail (not valid value) -1 → exception

{"ActivePresetUpdated":{"InterpreterPreset":{"InterpreterPreset":{"Id":4,"Name":"New Preset 1","Description":"","DeskMode":1,"BoothMode":0,"MultipleChannelActivation":true,"IsOverrideChannel":false,"IsAllActiveMicsLEDBlink":true,"AllActiveMicsLEDBlinkTime":5,"IsSlowDownImplementedExternally":true,"IsListenerCountConfigurator":true,"ListenerCountConfiguratorTime":60,"State":"Active","Channels":[{"Order":1,"Language":"English","Booth":"1","Desks":[{"Name":"1","ActiveChannel":0,"Relays":[]}],"Quality":3,"IsRecording":false},{"Order":2,"Language":"Chinese","Booth":"EmptyBooth","Desks":[],"Quality":3,"IsRecording":false}]}}}}

Note: CoCon for Plixus Core & PlixusCore:
This call will update the preset based on the Preset id, not create new preset. (Function like update existing preset).

4.3.13.19 GetAllChannelRealtimeData

API Module	Cocon for Plixus Core	Plixus Core
GetAllChannelRealtimeData	☑	☑

Get real time data for channels based on the active interpreter preset.

Note: user should request for this command.

The quality of the channel

	Cocon for Core / Plixus Core
floor	0
translation from floor	1
2nd translation from floor	2
3rd translation from floor	3
4th translation from floor	4
...	
Listening to own translation	255

Structure:
http://localhost:8890/CoCon/Interpretation/GetAllChannelRealtimeData

Example:
http://localhost:8890/CoCon/Interpretation/GetAllChannelRealtimeData

Return:

CoCon for Core & Plixus Core:
{"GetAllChannelRealTimeData":[{"Order":1,"Language":"Hindi","Booths":[]},{"Order":2,"Language":"English","Booths":[{"Name":1,"Desks":[{"Name":1,"ActiveChannel":1,"Relay":"English"}],"Quality":255}]},{"Order":3,"Language":"Chinese","Booths":[]}]}

4.3.13.20   GetSpeakSlowerRequestList

API Module	Cocon for Plixus Core	Plixus Core
GetSpeakSlowerRequestList	☑	☑

Get event form Interpreter desk for the speck slow button pressed.
Structure:
http://localhost:8890/CoCon/Interpretation/GetSpeakSlowerRequestList

Example:
http://localhost:8890/CoCon/Interpretation/GetSpeakSlowerRequestList

Return:
{"SpeakSlowerRequest":{"UnitId":3}}

4.3.13.21   GetInterpreterPresetById

API Module	Cocon for Plixus Core	Plixus Core
GetInterpreterPresetById	☑	☑

Get full information of interpreterpreset by id.
Structure:
http://localhost:8890/CoCon/Interpretation/GetInterpreterPresetById/?Id=2

Example:
http://localhost:8890/CoCon/Interpretation/GetInterpreterPresetById/?Id=2

Return:
{"GetInterpreterPresetById":{"InterpreterPreset":{"Id":12,"Name":"Test
100","Description":"XYZ","DeskMode":0,"BoothMode":0,"MultipleChannelActivation":false,"IsOverrideChannel":f
alse,"IsAllActiveMicsLEDBlink":false,"AllActiveMicsLEDBlinkTime":5,"IsSlowDownImplementedExternally":true,"I
sListenerCountConfigurator":false,"ListenerCountConfiguratiorTime":60,"State":"Active","Channels":[{"Order":1,"
Language":"Hindi","Booth":"1","Desks":[{"Name":"1","ActiveChannel":0,"Relays":[]},{"Name":"2","ActiveChannel":
0,"Relays":[]}],"IsRecording":false},{"Order":2,"Language":"English","Booth":"2","Desks":[{"Name":"1","ActiveCha
nnel":0,"Relays":[]}],"IsRecording":false}]}}}

4.3.13.22   AssignDeskToBooth

API Module	Cocon for Plixus Core	Plixus Core
AssignDeskToBooth	☑	☑

Moves any desk (unassigned or already assigned at other booth) by its seat ID to the specified booth.

Structure:
http://localhost:8890/CoCon/Interpretation/AssignDeskToBooth?DeskSeatId=\{seat}&BoothId={booth}

Parameters:

Name	Description	Type
DeskSeatID	Seat Id for Interpreter desk (Required)	Int
BoothID	Booth Id in which desk to add (Required)	int

Example:
http://localhost:8890/CoCon/Interpretation/AssignDeskToBooth?DeskSeatId=4&BoothId=5

Return: int
0 → operation success; 1 → Operation fail (not valid value); -1 → exception

4.3.13.23   UnassignDesk

API Module	Cocon for Plixus Core	Plixus Core
UnassignDesk	☑	☑

If assigned to a booth, removes the desk from its booth. If the booth is empty, it is deleted.

Structure:
http://localhost:8890/CoCon/Interpretation/Unassigndesk?DeskSeatId=\{seat}

Parameters:

Name	Description	Type
DeskSeatID	Seat Id for Interpreter desk (Required)	Int

Example:
http://localhost:8890/CoCon/Interpretation/Unassigndesk?DeskSeatId=1

Return: int
0 → operation success; 1 → Operation fail (not valid value); -1 → exception

4.3.13.24   UpdateBooth

API Module	Cocon for Plixus Core	Plixus Core
UpdateBooth	☑	☑

Allow user to update Booth.

Structure:
http://localhost:8890/CoCon/Interpretation/UpdateBooth?BoothId=\{booth}&Label={label}&Intercom={intercom}

Parameters:

Name	Description	Type
BoothID	Booth Id which need to update (Required)	Int
Intercom	Enabled intercom on Booth (Optional)	boolean
Label	Add label for booth (Optional)	string

Example:
http://localhost:8890/CoCon/Interpretation/UpdateBooth?BoothId=5&Label=NewLabel
http://localhost:8890/CoCon/Interpretation/UpdateBooth?BoothId=1&Intercom=false

Return: int
0 → operation success; 1 → Operation fail (not valid value); -1 → exception

4.3.14 API calls for Configurations

4.3.14.1 GetCuIpAddress

API Module	Cocon for Plixus Core	Plixus Core
GetCuIpAddress	☑	☐

Get CU IP address from the Room server config file (which CU is currently connected).

Structure:
http://localhost:8890/CoCon/GetCuIpAddress

Return:
{"GetCuIpAddress":{"IpAddress":"192.168.8.110"}}

4.3.14.2 SetCuIpAddress

API Module	Cocon for Plixus Core	Plixus Core
SetCuIpAddress	☑	☐

Set / Update CU IP address API will update the CoCon room server config file and Room service config file, for the taking impact of the modified IP address user should have to restart room server and Room service as well.

Note: Room server and Room service must have to restart after this API call, else the new IP address will not take impact.

Structure:
http://localhost:8890/CoCon/SetCuIpAddress/?IpAddress=192.168.8.110

Return:
{"SetCuIpAddress":{"Result":true,"IpAddress":"192.168.8.110"}}

4.3.14.3 RestartRoomServer

API Module	Cocon for Plixus Core	Plixus Core
RestartRoomServer	☑	☐

Restart Room server.

Structure:
http://localhost:8890/CoCon/RestartRoomServer

Return:
Simply 3rd party tool lost connection.

4.3.14.4 GetCoconServerVersion

API Module	Cocon for Plixus Core	Plixus Core
GetCoconServerVersion	☑	☐

This API calls reply with the Cocon room server version.

Structure:
http://localhost:8890/CoCon/GetCoconServerVersion

Return: string
{"GetCoconServerVersion":{"Version":"5.3.0.52"}}

4.3.15 Recording (AE-R & Plixus Core only)

4.3.15.1 Getrecordingfilesinfo

API Module	Cocon for Plixus Core	Plixus Core_AE-R
GetRecordingFilesInfo	☐	☑

This api call we return of the recored files information from CU.

Structure:
http://192.168.8.235:8890/CoCon/Recording/getrecordingfilesinfo

Return: string
{"GetRecordingFilesInfo":{"RecordingFilesInfo":[{"RecordingFiles":[{"Name":"/audio/internal/1970-01-01_00h04m36s_01-EN_00.mp3"},{"Name":"/audio/internal/1970-01-01_00h04m36s_Floor_00.mp3"},{"Name":"/audio/internal/1970-01-01_00h05m20s_01-EN_00.mp3"},{"Name":"/audio/internal/1970-01-01_00h05m20s_Floor_00.mp3"},{"Name":"/audio/internal/test_1970-01-01_00h06m01s_01-EN_Test_00.mp3"},{"Name":"/audio/internal/test_1970-01-01_00h06m01s_Floor_Test_00.mp3"},{"Name":"/audio/internal/test_1970-01-01_00h08m20s_01-EN_Test_00.mp3"},{"Name":"/audio/internal/test_1970-01-01_00h08m20s_Floor_Test_00.mp3"}],"StorageType":"internal"},{"RecordingFiles":[],"StorageType":"external"}]}
}

4.3.15.2 Startrecording

API Module	Cocon for Plixus Core	Plixus Core_AE-R
Startrecording	☐	☑

This api call will start recording and store the file based on the configuration.

NOTE1: Both these arguments are optional. If the arguments are not present (eg: Recording/StartRecording), the last set prefix and suffix are used. To clear the prefix and/or suffix the argument must be passed with "" (Prefix="")

If Succeeded: RecordingState: Active

When an invalid string is passed as Prefix or Suffix:
Errors: {RecordError: kErrorIllegalSuffix} and/or {RecordError: kErrorIllegalPrefix}
NOTE2: These ONLY appear in case of an error, if the strings are ok there is no Errors field.
NOTE3: Even if these appear, the recording will start. The recording file will simply omit the invalid prefix or suffix and an empty prefix or suffix.
NOTE4: This function will start recording the floor if no channels have been selected to record in a previous setup.

Parameters:

Name	Description	Type
Prefix	File name start with (Optional)	string
Suffix	File name end with (Optional)	string

Structure:
http://192.168.8.235:8890/CoCon/Recording/Startrecording

---

http://192.168.8.235:8890/CoCon/Recording/Startrecording/?Prefix={prefix}&Suffix={suffix}

Example :

http://192.168.8.235:8890/CoCon/Recording/Startrecording/?Prefix=Room1&Suffix=Televic

Return: string
{"StartRecording":{"RecordingState":"active"}}

Update event :
{"RecordingStateUpdated":{"RecordingState":"active"}}

4.3.15.3 Stoprecording

API Module	Cocon for Plixus Core	Plixus Core_AE-R
Stoprecording	☐	☑

This api call will stop the current recording.

Structure:
http://192.168.8.235:8890/CoCon/Recording/Stoprecording

Return: string
 {"StopRecording":{"RecordingState":"idle"}}

Update Event :
{"RecordingStateUpdated":{"RecordingState":"idle"}}

4.3.15.4 Getrecordingstate

API Module	Cocon for Plixus Core	Plixus Core_AE-R
Getrecordingstate	☐	☑

This api will get the current state of the recording.

State can be:
active
error
idle
paused
unknown.

Note: There is also one Server to Client call whenever the RecordingState on the device is updated:

Structure:
http://192.168.8.235:8890/CoCon/Recording/Getrecordingstate

Return: string
{"GetRecordingState":{"RecordingState":"idle"}}

4.3.16 Wireless coupling

4.3.16.1 Getwcapinfo

API Module	Cocon for Plixus Core	Plixus Core
Getwcapinfo	☑	☑

This api call will get the information of the WCAP.

Structure:

http://192.168.8.240:8890/CoCon/Wireless/Getwcapinfo/?WcapSerial={wcapSerial_number}

Example :
http://192.168.8.240:8890/CoCon/Wireless/Getwcapinfo/?WcapSerial=352321544

Return: string
{"WcapInfoUpdated":{"chans":[],"cpld":0,"gtw":"192.168.8.1","hn":"admin","ipa":"192.168.8.210","mac":"1C:BA:8C:99:FE:81","online":1,"op_mode":1,"reg":"Europe","sbm":"255.255.255.0","serial":352321544,"wlist":[]}}

4.3.16.2 Getallwcapinfo

API Module	Cocon for Plixus Core	Plixus Core
Getallwcapinfo	☑	☑

This api call will get All WCAP information which is connected.

Structure:
http://192.168.8.235:8890/CoCon/Wireless/Getallwcapinfo

Return: string
{"AllWcapInfoUpdated":[{"chans":[],"cpld":1,"gtw":"192.168.8.1","hn":"admin","ipa":"192.168.8.210","mac":"1C:BA:8C:99:FE:81","online":1,"op_mode":1,"reg":"Europe","sbm":"255.255.255.0","serial":352321544,"wlist":[]}]}

4.3.16.3 SetWcapCoupledMode

API Module	Cocon for Plixus Core	Plixus Core
SetWcapCoupledMode	☑	☑

Set the WCAP coupling mode.

Structure:
http://192.168.8.120:8890/CoCon/Wireless/SetWcapCoupledMode/?WcapSerial=352321544&CoupledMode=False

Return: int
 0 → operation success; 1 → Operation fail (not valid value) -1 → exception

Update Event :
{"WcapCoupledUpdated":{"CoupledMode":false,"WcapSerial":352321544}}

4.3.17 Operator Customization

Important notes:
- *all functionality within this module is only available in case "operator customization" license is present. It allows to have a tab in the operator application ribbon with place for custom labels and buttons. The buttons can trigger API events which can be handled by 3rd parties.*
- *First configure how many buttons and labels will be used before configuring the custom buttons and labels.*

4.3.17.1 GetCustomButtons

API Module	Cocon for Plixus Core	Plixus Core
GetCustomButtons	☑	☐

This API call provides an overview of the configured custom buttons.

Structure:
http://localhost:8890/CoCon/OperatorCustomization/GetCustomButtons

4.3.17.2 GetCustomLabels

API Module	Cocon for Plixus Core	Plixus Core
GetCustomButtons	☑	☐

This API call provides an overview of the configured custom labels.

Structure:
http://localhost:8890/CoCon/OperatorCustomization/GetCustomLabels

4.3.17.3 SetCustomButton

API Module	Cocon for Plixus Core	Plixus Core
SetCustomButton	☑	☐

This API call allows to configure a custom button.

Parameters:

Name	Description	Type
Id	Id of the button	Int
Text	Text shown in the button	string
FontColorHex	(optional) font color of the text in the button Example black color (R=0, G=0, B=0) is '#000000' which should be passed as '%23000000'	Hex string
BackgroundColorHex	(optional) background color of the button Example for white color (R=255, G=255, B=255) is '#FFFFFF' which should be passed as '%23FFFFFF'	Hex string

Structure:
http://localhost:8890/CoCon/OperaorCustomization/SetCustomButton/?Id={id}&Text={text}&FontColorHex={fontColorHex}&BackgroundColorHex={backgroundColorHex}

Example:
http://localhost:8890/CoCon/OperatorCustomization/SetCustomButton/?Id=1&Text=test&FontColorHex=%23DC143C&BackgroundColorHex=%23E0FFFF

Return: int

0 → operation success; 1 → Operation fail (button not found); HTTP status code 404 → no valid license

4.3.17.4 SetCustomLabel

API Module	Cocon for Plixus Core	Plixus Core
SetCustomLabel	☑	☐

This API call allows to configure a custom label.

Parameters:

Name	Description	Type
Id	Id of the label	Int
Text	Text shown in the label	string
FontColorHex	(optional) font color of the text in the label Example black color (R=0, G=0, B=0) is '#000000' which should be passed as '%23000000'	Hex string

Structure:
http://localhost:8890/CoCon/OperaorCustomization/SetCustomLabel/?Id={id}&Text={text}&FontColorHex={fontColorHex}

Example:
http://localhost:8890/CoCon/OperatorCustomization/SetCustomLabel/?Id=1&Text=test&FontColorHex=%23DC143C

Return: int

0 → operation success; 1 → Operation fail (button not found); HTTP status code 404 → no valid license

4.3.17.5 SetCustomButtonState

API Module	Cocon for Plixus Core	Plixus Core
SetCustomButtonState	☑	☐

This API call allows to configure a custom button state.

Parameters:

Name	Description	Type
Id	Id of the button	Int
State	State of the button {"Enable","Disable"}	string

Structure:
http://localhost:8890/CoCon/OperatorCustomization/SetCustomButtonState/?Id={id}&State={state}

Example:
http://localhost:8890/CoCon/OperatorCustomization/SetCustomButtonState/?Id=1&State=Disable

Return: int
0 → operation success; 1 → Operation fail (wrong state parameter or button not found)
HTTP status code 404 → no valid license

4.3.17.6 SetNumberOfCustomButtons

API Module	Cocon for Plixus Core	Plixus Core
SetNumberOfCustomButtons	☑	☐

This API call allows to configure the amount of custom buttons.

Parameters:

Name	Description	Type
Number	Number of buttons (value >= 0)	Int

Structure:
http://localhost:8890/CoCon/OperatorCustomization/SetNumberOfCustomButtons/?Number={number}

Example:
http://localhost:8890/CoCon/OperatorCustomization/SetNumberOfCustomButtons/?Number=2

Return: int
0 → operation success; 1 → Operation fail (wrong parameter)
HTTP status code 404 → no valid license

4.3.17.7 SetNumberOfCustomLabels

API Module	Cocon for Plixus Core	Plixus Core
SetNumberOfCustomLabels	☑	☐

This API call allows to configure the number of custom labels.

Parameters:

Name	Description	Type
Number	Number of labels (value >= 0)	Int

Structure:
http://localhost:8890/CoCon/OperatorCustomization/SetNumberOfCustomLabels/?Number={number}

Example:
http://localhost:8890/CoCon/OperatorCustomization/SetNumberOfCustomLabels/?Number=2

Return: int
   0 → operation success; 1 → Operation fail (wrong parameter)
   HTTP status code 404 → no valid license

4.3.18 Video

4.3.18.1 GetVideoInputParts

API Module	Cocon for Plixus Core	Plixus Core
GetVideoInputParts	☑	☐

To get the video input parts information, such as how many seats have webcam. It will return with the seat's id as video input part id.

Structure:
http://localhost:8890/CoCon/Video/GetVideoInputParts

Parameters: N/A

Example:
http://localhost:8890/CoCon/Video/GetVideoInputParts

Return:
{"GetVideoInputParts":{"VideoInputParts":[{"Id":0,"Type":"sdi"},{"Id":1,"Type":"input_box"},{"Id":2,"Type":"unknown"},{"Id":4,"Type":"unknown"},{"Id":6,"Type":"webcam"},{"Id":0,"Type":"sdi"}]}}

4.3.18.2 GetVideoOutputParts

API Module	Cocon for Plixus Core	Plixus Core
GetVideoOutputParts	☑	☐

To get the video output parts information, such as how many seats have video selector. It will return with the seat's id as video output part id.

Structure:
http://localhost:8890/CoCon/Video/GetVideoOutputParts

Parameters: N/A

Example:
http://localhost:8890/CoCon/Video/GetVideoOutputParts

Return:
{"GetVideoOutputParts":{"VideoOutputParts":[{"Id":3,"Type":"output_box"},{"Id":6,"Type":"mmu"},{"Id":7,"Type":"mmu"},{"Id":8,"Type":"mmu"},{"Id":9,"Type":"mmu"}]}}

4.3.18.3 GetVideoConfigurations

API Module	Cocon for Plixus Core	Plixus Core
GetVideoConfigurations	☑	☐

To get the list of the video configurations from server with the basic information.

Structure:
http://localhost:8890/CoCon/Video/GetVideoConfigurations

Parameters: N/A

Example:
http://localhost:8890/CoCon/Video/GetVideoConfigurations

Return:
{"GetVideoConfigurations":{"VideoConfigurations":[{"Id":0,"Name":"Default"},{"Id":1,"Name":"Configuration 1"},{"Id":2,"Name":"Configuration 2"},{"Id":3,"Name":"Configuration to test"},{"Id":4,"Name":"Configuration 3For Auto Test"},{"Id":5,"Name":"Default_Copy(1)"},{"Id":6,"Name":"Demo for API"},{"Id":7,"Name":"API Test 1"}]}}

4.3.18.4 GetCurrentVideoConfigurationInDetails

API Module	Cocon for Plixus Core	Plixus Core
GetCurrentVideoConfigurationInDetails	☑	☐

To get the detailed configuration settings of active video preset.

Structure:
http://localhost:8890/CoCon/Video/GetCurrentVideoConfigurationInDetails

Parameters: N/A

Example:
http://localhost:8890/CoCon/Video/GetCurrentVideoConfigurationInDetails

Return:
{"GetCurrentVideoConfigurationInDetails":{"VideoConfiguration":{"Id":0,"Name":"API Test 1","Description":"API Test 1","Streams":[{"Id":1,"Name":"Str_1","IsAvailableForDelegates":true,"InputGroup":2,"OutputGroups":[1]},{"Id":2,"Name":"Str_2","IsAvailableForDelegates":true,"InputGroup":4,"OutputGroups":[2]},{"Id":3,"Name":"Str_3","IsAvailableForDelegates":true,"InputGroup":6,"OutputGroups":[3]},{"Id":4,"Name":"Str_4","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[4]},{"Id":5,"Name":"Str_5","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]},{"Id":6,"Name":"Str_6","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]}],"InputGroups":[{"Id":0,"Name":"SDI","Type":"normal","InputParts":[0]},{"Id":1,"Name":"MIC 1","Type":"normal","InputParts":[]},{"Id":2,"Name":"MIC 2","Type":"normal","InputParts":[6]},{"Id":3,"Name":"MIC 3","Type":"normal","InputParts":[]},{"Id":4,"Name":"MIC 4","Type":"normal","InputParts":[4]},{"Id":5,"Name":"MIC 5","Type":"normal","InputParts":[]},{"Id":6,"Name":"MIC 6","Type":"normal","InputParts":[2]},{"Id":7,"Name":"MIC 7","Type":"normal","InputParts":[]},{"Id":8,"Name":"MIC 8","Type":"normal","InputParts":[]}],"OutputGroups":[{"Id":1,"Name":"V-OUT 1","OutputParts":[3]},{"Id":2,"Name":"V-OUT 2","OutputParts":[6]},{"Id":3,"Name":"V-OUT 3","OutputParts":[7,8,9]},{"Id":4,"Name":"V-OUT 4","OutputParts":[]}]}}}

4.3.18.5 ActivateVideoConfigurationById

API Module	Cocon for Plixus Core	Plixus Core
ActivateVideoConfigurationById	☑	☐

To set / activate video configuration by configuration id.

Structure:
http://localhost:8890/CoCon/Video/ActivateVideoConfigurationById?PresetId={presetId}

Parameters:

Name	Description	Type
PresetId	Id of the video configuration (Preset Id)	int

Example:
http://localhost:8890/CoCon/Video/ActivateVideoConfigurationById?PresetId=7

Return:
{"ActivateVideoConfigurationById":{"VideoConfiguration":{"Id":7,"Name":"API Test 1","Description":"API Test 1","Streams":[{"Id":1,"Name":"TH_1","IsAvailableForDelegates":true,"InputGroup":0,"OutputGroups":[1]},{"Id":2,"Name":"Str_2","IsAvailableForDelegates":true,"InputGroup":4,"OutputGroups":[2]},{"Id":3,"Name":"Str_3","IsAvailableForDelegates":true,"InputGroup":6,"OutputGroups":[3]},{"Id":4,"Name":"Str_4","IsAvailableForDelegates":true,"InputGroup":0,"OutputGroups":[4]},{"Id":5,"Name":"Str_5","IsAvailableForDelegates":true,"InputGroup":0,"OutputGroups":[]},{"Id":6,"Name":"Str_6","IsAvailableForDelegates":true,"InputGroup":0,"OutputGroups":[]}],"InputGroups":[{"Id":0,"Name":"SDI","Type":"normal","InputParts":[0]},{"Id":1,"Name":"MIC 1","Type":"normal","InputParts":[]},{"Id":2,"Name":"MIC 2","Type":"normal","InputParts":[6]},{"Id":3,"Name":"MIC 3","Type":"normal","InputParts":[]},{"Id":4,"Name":"MIC 4","Type":"normal","InputParts":[4]},{"Id":5,"Name":"MIC 5","Type":"normal","InputParts":[]},{"Id":6,"Name":"MIC 6","Type":"normal","InputParts":[2]},{"Id":7,"Name":"MIC 7","Type":"normal","InputParts":[]},{"Id":8,"Name":"MIC 8","Type":"normal","InputParts":[]}],"OutputGroups":[{"Id":1,"Name":"V-OUT 1","OutputParts":[3]},{"Id":2,"Name":"V-OUT 2","OutputParts":[6]},{"Id":3,"Name":"V-OUT 3","OutputParts":[7,8,9]},{"Id":4,"Name":"V-OUT 4","OutputParts":[]}]}}}

4.3.18.6 SaveActiveVideoConfiguration

API Module	Cocon for Plixus Core	Plixus Core
SaveActiveVideoConfiguration	☑	☐

Save the current active Preset.

Structure:
http://localhost:8890/CoCon/Video/SaveActiveVideoConfiguration

Parameters:

Name	Description	Type
PresetId	Id of the video configuration (Preset Id)	int

Example:
http://localhost:8890/CoCon/Video/SaveActiveVideoConfiguration

Return:

{"SaveActiveVideoConfiguration":{"VideoConfiguration":{"Id":7,"Name":"API Test 1","Description":"API Test 1","Streams":[{"Id":1,"Name":"TH","IsAvailableForDelegates":true,"InputGroup":6,"OutputGroups":[]},{"Id":2,"Name":"Str_2","IsAvailableForDelegates":true,"InputGroup":4,"OutputGroups":[1,2]},{"Id":3,"Name":"Str_3","IsAvailableForDelegates":true,"InputGroup":6,"OutputGroups":[3]},{"Id":4,"Name":"Str_4","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[4]},{"Id":5,"Name":"Str_5","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]},{"Id":6,"Name":"Str_6","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]}],"InputGroups":[{"Id":0,"Name":"SDI","Type":"normal","InputParts":[0]},{"Id":1,"Name":"MIC 1","Type":"normal","InputParts":[]},{"Id":2,"Name":"MIC 2","Type":"normal","InputParts":[6]},{"Id":3,"Name":"MIC 3","Type":"normal","InputParts":[]},{"Id":4,"Name":"MIC 4","Type":"normal","InputParts":[4]},{"Id":5,"Name":"MIC 5","Type":"normal","InputParts":[]},{"Id":6,"Name":"MIC 6","Type":"normal","InputParts":[2]},{"Id":7,"Name":"MIC 7","Type":"normal","InputParts":[]},{"Id":8,"Name":"MIC 8","Type":"normal","InputParts":[]}],"OutputGroups":[{"Id":1,"Name":"V-OUT 1","OutputParts":[3]},{"Id":2,"Name":"V-OUT 2","OutputParts":[6]},{"Id":3,"Name":"V-OUT 3","OutputParts":[7,8,9]},{"Id":4,"Name":"V-OUT 4","OutputParts":[]}]}}}

4.3.18.7 SetVideoStreamProperties

API Module	Cocon for Plixus Core	Plixus Core
SetVideoStreamProperties	☑	☐

To set / edit video stream properties, such as enabled / disabled the video stream for delegates accessibilities OR edit name of the video stream.

Structure:
http://localhost:8890/CoCon/Video/SetVideoStreamProperties?VideoStreamId={videoStreamId}&VideoStreamName={videoStreamName}&IsAvailableForDelegates={isAvailableForDelegates}

Parameters:

Name	Description	Type
VideoStreamId	Video stream Id	int
VideoStreamName	Set the name of video stream Note: Stream name with max 5 Char	string
IsAvailableForDelegates	Set True if stream should be available for delegates	bool

Example:

http://localhost:8890/CoCon/Video/SetVideoStreamProperties?VideoStreamId=1&VideoStreamName=test&IsAvailableForDelegates=true
http://localhost:8890/CoCon/Video/SetVideoStreamProperties?VideoStreamId=1&VideoStreamName=TH&IsAvailableForDelegates=true

Return:
{"SetVideoStreamProperties":{"VideoConfiguration":{"Id":7,"Name":"API Test 1","Description":"API Test 1","Streams":[{"Id":1,"Name":"TH","IsAvailableForDelegates":true,"InputGroup":2,"OutputGroups":[1]},{"Id":2,"Name":"Str_2","IsAvailableForDelegates":true,"InputGroup":4,"OutputGroups":[2]},{"Id":3,"Name":"Str_3","IsAvailableForDelegates":true,"InputGroup":6,"OutputGroups":[3]},{"Id":4,"Name":"Str_4","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[4]},{"Id":5,"Name":"Str_5","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]},{"Id":6,"Name":"Str_6","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]}],"InputGroups":[{"Id":0,"Name":"SDI","Type":"normal","InputParts":[0]},{"Id":1,"Name":"MIC 1","Type":"normal","InputParts":[]},{"Id":2,"Name":"MIC 2","Type":"normal","InputParts":[]},{"Id":3,"Name":"MIC 3","Type":"normal","InputParts":[]},{"Id":4,"Name":"MIC 4","Type":"normal","InputParts":[]},{"Id":5,"Name":"MIC 5","Type":"normal","InputParts":[]},{"Id":6,"Name":"MIC 6","Type":"normal","InputParts":[]},{"Id":7,"Name":"MIC 7","Type":"normal","InputParts":[]},{"Id":8,"Name":"MIC 8","Type":"normal","InputParts":[]}],"OutputGroups":[{"Id":1,"Name":"V-OUT

1","OutputParts":[3]},{"Id":2,"Name":"V-OUT 2","OutputParts":[6]},{"Id":3,"Name":"V-OUT 3","OutputParts":[7,8,9]},{"Id":4,"Name":"V-OUT 4","OutputParts":[]}]}}}

4.3.18.8 AddVideoPartToInputGroup

API Module	Cocon for Plixus Core	Plixus Core
AddVideoPartToInputGroup	☑	☐

Add video input part (by video input parts id) **To** video input group (by video input group id).

Structure:
http://localhost:8890/CoCon/Video/AddVideoPartToInputGroup?VInputGroupId={videoInputGroupId}&VInputPartId={videoInputPartId}

Parameters:

Name	Description	Type
VInputGroupId	Video input group Id	int
VInputPartId	Video input part Id	int

Example:
http://localhost:8890/CoCon/Video/AddVideoPartToInputGroup?VInputGroupId=2&VInputPartId=6

Return:
{"AddVideoPartToInputGroup":{"VideoConfiguration":{"Id":0,"Name":"API Test 1","Description":"API Test 1","Streams":[{"Id":1,"Name":"Str_1","IsAvailableForDelegates":true,"InputGroup":2,"OutputGroups":[1]},{"Id":2,"Name":"Str_2","IsAvailableForDelegates":true,"InputGroup":4,"OutputGroups":[2]},{"Id":3,"Name":"Str_3","IsAvailableForDelegates":true,"InputGroup":6,"OutputGroups":[3]},{"Id":4,"Name":"Str_4","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[4]},{"Id":5,"Name":"Str_5","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]},{"Id":6,"Name":"Str_6","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]}],"InputGroups":[{"Id":0,"Name":"SDI","Type":"normal","InputParts":[0]},{"Id":1,"Name":"MIC 1","Type":"normal","InputParts":[]},{"Id":2,"Name":"MIC 2","Type":"normal","InputParts":[6]},{"Id":3,"Name":"MIC 3","Type":"normal","InputParts":[]},{"Id":4,"Name":"MIC 4","Type":"normal","InputParts":[]},{"Id":5,"Name":"MIC 5","Type":"normal","InputParts":[]},{"Id":6,"Name":"MIC 6","Type":"normal","InputParts":[]},{"Id":7,"Name":"MIC 7","Type":"normal","InputParts":[]},{"Id":8,"Name":"MIC 8","Type":"normal","InputParts":[]}],"OutputGroups":[{"Id":1,"Name":"V-OUT 1","OutputParts":[3]},{"Id":2,"Name":"V-OUT 2","OutputParts":[6]},{"Id":3,"Name":"V-OUT 3","OutputParts":[7,8,9]},{"Id":4,"Name":"V-OUT 4","OutputParts":[]}]}}}

4.3.18.9 AddVideoPartToOutputGroup

API Module	Cocon for Plixus Core	Plixus Core
AddVideoPartToOutputGroup	☑	☐

Add video output parts (by video output parts id) **To** video output group (by video output group id).

Structure:
http://localhost:8890/CoCon/Video/AddVideoPartToOutputGroup?VOutputGroupId={videoOutputGroupId}&VOutputPartId={videoOutputPartId}

Parameters:

Name	Description	Type

VOutputGroupId	Video Output group Id	int
VOutputPartId	Video Output part Id	int

Example:

Return:

>>>{"AddVideoPartToOutputGroup":{"VideoConfiguration":{"Id":7,"Name":"API Test 1","Description":"API Test 1","Streams":[{"Id":1,"Name":"TH","IsAvailableForDelegates":true,"InputGroup":2,"OutputGroups":[1]},{"Id":2,"Name":"Str_2","IsAvailableForDelegates":true,"InputGroup":4,"OutputGroups":[2]},{"Id":3,"Name":"Str_3","IsAvailableForDelegates":true,"InputGroup":6,"OutputGroups":[3]},{"Id":4,"Name":"Str_4","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[4]},{"Id":5,"Name":"Str_5","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]},{"Id":6,"Name":"Str_6","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]}],"InputGroups":[{"Id":0,"Name":"SDI","Type":"normal","InputParts":[0]},{"Id":1,"Name":"MIC 1","Type":"normal","InputParts":[]},{"Id":2,"Name":"MIC 2","Type":"normal","InputParts":[]},{"Id":3,"Name":"MIC 3","Type":"normal","InputParts":[]},{"Id":4,"Name":"MIC 4","Type":"normal","InputParts":[]},{"Id":5,"Name":"MIC 5","Type":"normal","InputParts":[]},{"Id":6,"Name":"MIC 6","Type":"normal","InputParts":[]},{"Id":7,"Name":"MIC 7","Type":"normal","InputParts":[]},{"Id":8,"Name":"MIC 8","Type":"normal","InputParts":[]}],"OutputGroups":[{"Id":1,"Name":"V-OUT 1","OutputParts":[3]},{"Id":2,"Name":"V-OUT 2","OutputParts":[6]},{"Id":3,"Name":"V-OUT 3","OutputParts":[7,8,9]},{"Id":4,"Name":"V-OUT 4","OutputParts":[]}]}}}

4.3.18.10   RemoveVideoPartFromInputGroup

API Module	Cocon for Plixus Core	Plixus Core
RemoveVideoPartFromInputGroup	☑	☐

Remove video input parts (by video input parts id) **From** video input group (by video input group id).

Structure:

Parameters:

Name	Description	Type
VInputGroupId	Video input group Id	int
VInputPartId	Video input part Id	int

Example:

Return:

>>>{"RemoveVideoPartFromInputGroup":{"VideoConfiguration":{"Id":7,"Name":"API Test 1","Description":"API Test 1","Streams":[{"Id":1,"Name":"TH","IsAvailableForDelegates":true,"InputGroup":2,"OutputGroups":[1]},{"Id":2,"Name":"Str_2","IsAvailableForDelegates":true,"InputGroup":4,"OutputGroups":[2]},{"Id":3,"Name":"Str_3","IsAvailableForDelegates":true,"InputGroup":6,"OutputGroups":[3]},{"Id":4,"Name":"Str_4","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[4]},{"Id":5,"Name":"Str_5","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]},{"Id":6,"Name":"Str_6","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]}],"InputGroups":[{"Id":0,"Name":"SDI","Type":"normal","InputParts":[0]},{"Id":1,"Name":"MIC 1","Type":"normal","InputParts":[]},{"Id":2,"Name":"MIC 2","Type":"normal","InputParts":[]},{"Id":3,"Name":"MIC 3","Type":"normal","InputParts":[]},{"Id":4,"Name":"MIC 4","Type":"normal","InputParts":[4]},{"Id":5,"Name":"MIC

5","Type":"normal","InputParts":[]},{"Id":6,"Name":"MIC 6","Type":"normal","InputParts":[2]},{"Id":7,"Name":"MIC 7","Type":"normal","InputParts":[]},{"Id":8,"Name":"MIC 8","Type":"normal","InputParts":[]}],"OutputGroups":[{"Id":1,"Name":"V-OUT 1","OutputParts":[3]},{"Id":2,"Name":"V-OUT 2","OutputParts":[6]},{"Id":3,"Name":"V-OUT 3","OutputParts":[7,8,9]},{"Id":4,"Name":"V-OUT 4","OutputParts":[]}]}}}

4.3.18.11   RemoveVideoPartFromOutputGroup

API Module	Cocon for Plixus Core	Plixus Core
RemoveVideoPartFromOutputGroup	☑	☐

 Remove video output parts (by video output parts id) **From** video output group (by video output group id).

Structure:
http://localhost:8890/CoCon/Video/RemoveVideoPartFromOutputGroup/?VOutputGroupId={videoOutputGroupId}&VOutputPartId={videoOutputPartId}

Parameters:

Name	Description	Type
VOutputGroupId	Video Output group Id	int
VOutputPartId	Video Output part Id	int

Example:
http://localhost:8890/CoCon/Video/RemoveVideoPartFromOutputGroup/?VOutputGroupId=2&VOutputPartId=6

Return:
>>>{"RemoveVideoPartFromOutputGroup":{"VideoConfiguration":{"Id":7,"Name":"API Test 1","Description":"API Test 1","Streams":[{"Id":1,"Name":"TH","IsAvailableForDelegates":true,"InputGroup":2,"OutputGroups":[1]},{"Id":2,"Name":"Str_2","IsAvailableForDelegates":true,"InputGroup":4,"OutputGroups":[2]},{"Id":3,"Name":"Str_3","IsAvailableForDelegates":true,"InputGroup":6,"OutputGroups":[3]},{"Id":4,"Name":"Str_4","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[4]},{"Id":5,"Name":"Str_5","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]},{"Id":6,"Name":"Str_6","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]}],"InputGroups":[{"Id":0,"Name":"SDI","Type":"normal","InputParts":[0]},{"Id":1,"Name":"MIC 1","Type":"normal","InputParts":[]},{"Id":2,"Name":"MIC 2","Type":"normal","InputParts":[]},{"Id":3,"Name":"MIC 3","Type":"normal","InputParts":[]},{"Id":4,"Name":"MIC 4","Type":"normal","InputParts":[]},{"Id":5,"Name":"MIC 5","Type":"normal","InputParts":[]},{"Id":6,"Name":"MIC 6","Type":"normal","InputParts":[]},{"Id":7,"Name":"MIC 7","Type":"normal","InputParts":[]},{"Id":8,"Name":"MIC 8","Type":"normal","InputParts":[]}],"OutputGroups":[{"Id":1,"Name":"V-OUT 1","OutputParts":[3]},{"Id":2,"Name":"V-OUT 2","OutputParts":[]},{"Id":3,"Name":"V-OUT 3","OutputParts":[7,8,9]},{"Id":4,"Name":"V-OUT 4","OutputParts":[]}]}}}

4.3.18.12   SetVideoStreamInputGroup

API Module	Cocon for Plixus Core	Plixus Core
SetVideoStreamInputGroup	☑	☐

Structure:
http://localhost:8890/CoCon/Video/SetVideoStreamInputGroup?VideoStreamId={videoStreamId}&VInputGroupId={videoInputGroupId}

Parameters:

Name	Description	Type
VideoStreamId	Video stream Id (configured Video stream id)	int
VInputGroupId	Video input group Id	int

Example:

Enable:
http://localhost:8890/CoCon/Video/SetVideoStreamInputGroup?VideoStreamId=1&VInputGroupId=1
Disable:
http://localhost:8890/CoCon/Video/SetVideoStreamInputGroup?VideoStreamId=1&VInputGroupId=-1

Return:

>>>{"SetVideoStreamInputGroup":{"VideoConfiguration":{"Id":7,"Name":"API Test 1","Description":"API Test 1","Streams":[{"Id":1,"Name":"TH","IsAvailableForDelegates":true,"InputGroup":1,"OutputGroups":[1]},{"Id":2,"Name":"Str_2","IsAvailableForDelegates":true,"InputGroup":4,"OutputGroups":[2]},{"Id":3,"Name":"Str_3","IsAvailableForDelegates":true,"InputGroup":6,"OutputGroups":[3]},{"Id":4,"Name":"Str_4","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[4]},{"Id":5,"Name":"Str_5","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]},{"Id":6,"Name":"Str_6","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]}],"InputGroups":[{"Id":0,"Name":"SDI","Type":"normal","InputParts":[0]},{"Id":1,"Name":"MIC 1","Type":"normal","InputParts":[]},{"Id":2,"Name":"MIC 2","Type":"normal","InputParts":[6]},{"Id":3,"Name":"MIC 3","Type":"normal","InputParts":[]},{"Id":4,"Name":"MIC 4","Type":"normal","InputParts":[4]},{"Id":5,"Name":"MIC 5","Type":"normal","InputParts":[]},{"Id":6,"Name":"MIC 6","Type":"normal","InputParts":[2]},{"Id":7,"Name":"MIC 7","Type":"normal","InputParts":[]},{"Id":8,"Name":"MIC 8","Type":"normal","InputParts":[]}],"OutputGroups":[{"Id":1,"Name":"V-OUT 1","OutputParts":[3]},{"Id":2,"Name":"V-OUT 2","OutputParts":[6]},{"Id":3,"Name":"V-OUT 3","OutputParts":[7,8,9]},{"Id":4,"Name":"V-OUT 4","OutputParts":[]}]}}}

4.3.18.13 SetVideoStreamOutputGroup

API Module	Cocon for Plixus Core	Plixus Core
SetVideoStreamOutputGroup	☑	☐

Structure:
http://localhost:8890/CoCon/Video/SetVideoStreamOutputGroup?VideoStreamId={videoStreamId}&VOutputGroupIds={videoOutputGroupIds}

Parameters:

Name	Description	Type
VideoStreamId	Video stream Id (configured Video stream id)	int
VOutputGroupIds	Video output group Ids Note: can set more than 1 output groups for single video input stream	Array of int

Example:
Add/Update:
http://localhost:8890/CoCon/Video/SetVideoStreamOutputGroup?VideoStreamId=2&VOutputGroupIds=2,3
Delete:
http://localhost:8890/CoCon/Video/SetVideoStreamOutputGroup?VideoStreamId=2&VOutputGroupIds=
Return:

>>>{"SetVideoStreamOutputGroup":{"VideoConfiguration":{"Id":7,"Name":"API Test 1","Description":"API Test 1","Streams":[{"Id":1,"Name":"TH","IsAvailableForDelegates":true,"InputGroup":6,"OutputGroups":[]},{"Id":2,"Name":"Str_2","IsAvailableForDelegates":true,"InputGroup":4,"OutputGroups":[1,2]},{"Id":3,"Name":"Str_3","IsAvailableForDelegates":true,"InputGroup":6,"OutputGroups":[3]},{"Id":4,"Name":"Str_4","IsAvailableForDelegates":tru

e,"InputGroup":-1,"OutputGroups":[4]},{"Id":5,"Name":"Str_5","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]},{"Id":6,"Name":"Str_6","IsAvailableForDelegates":true,"InputGroup":-1,"OutputGroups":[]}],"InputGroups":[{"Id":0,"Name":"SDI","Type":"normal","InputParts":[0]},{"Id":1,"Name":"MIC 1","Type":"normal","InputParts":[]},{"Id":2,"Name":"MIC 2","Type":"normal","InputParts":[6]},{"Id":3,"Name":"MIC 3","Type":"normal","InputParts":[]},{"Id":4,"Name":"MIC 4","Type":"normal","InputParts":[4]},{"Id":5,"Name":"MIC 5","Type":"normal","InputParts":[]},{"Id":6,"Name":"MIC 6","Type":"normal","InputParts":[2]},{"Id":7,"Name":"MIC 7","Type":"normal","InputParts":[]},{"Id":8,"Name":"MIC 8","Type":"normal","InputParts":[]}],"OutputGroups":[{"Id":1,"Name":"V-OUT 1","OutputParts":[3]},{"Id":2,"Name":"V-OUT 2","OutputParts":[6]},{"Id":3,"Name":"V-OUT 3","OutputParts":[7,8,9]},{"Id":4,"Name":"V-OUT 4","OutputParts":[]}]}}}

4.3.18.14   SaveActiveVideoConfiguration

API Module	Cocon for Plixus Core	Plixus Core
SetVideoStreamOutputGroup	☑	☐

This api call will save the active video preset, if any modification done by api.

Structure:
http://localhost:8890/CoCon/Video/SaveActiveVideoConfiguration

Parameters:

Name	Description	Type
SaveActiveVideoConfiguration	Save the active preset	

Example:
http://localhost:8890/CoCon/Video/SaveActiveVideoConfiguration

Return:
{"SaveActiveVideoConfiguration":{"VideoConfiguration":{"Id":7,"Name":"API Test 1","Description":"API Test 1","Streams":[{"Id":1,"Name":"TH_1","IsAvailableForDelegates":true,"InputGroup":0,"OutputGroups":[1]},{"Id":2,"Name":"Str_2","IsAvailableForDelegates":true,"InputGroup":4,"OutputGroups":[2]},{"Id":3,"Name":"Str_3","IsAvailableForDelegates":true,"InputGroup":6,"OutputGroups":[3]},{"Id":4,"Name":"Str_4","IsAvailableForDelegates":true,"InputGroup":0,"OutputGroups":[4]},{"Id":5,"Name":"Str_5","IsAvailableForDelegates":true,"InputGroup":0,"OutputGroups":[]},{"Id":6,"Name":"Str_6","IsAvailableForDelegates":true,"InputGroup":0,"OutputGroups":[]}],"InputGroups":[{"Id":0,"Name":"SDI","Type":"normal","InputParts":[0]},{"Id":1,"Name":"MIC 1","Type":"normal","InputParts":[]},{"Id":2,"Name":"MIC 2","Type":"normal","InputParts":[6]},{"Id":3,"Name":"MIC 3","Type":"normal","InputParts":[]},{"Id":4,"Name":"MIC 4","Type":"normal","InputParts":[4]},{"Id":5,"Name":"MIC 5","Type":"normal","InputParts":[]},{"Id":6,"Name":"MIC 6","Type":"normal","InputParts":[2]},{"Id":7,"Name":"MIC 7","Type":"normal","InputParts":[]},{"Id":8,"Name":"MIC 8","Type":"normal","InputParts":[]}],"OutputGroups":[{"Id":1,"Name":"V-OUT 1","OutputParts":[3]},{"Id":2,"Name":"V-OUT 2","OutputParts":[6]},{"Id":3,"Name":"V-OUT 3","OutputParts":[7,8,9]},{"Id":4,"Name":"V-OUT 4","OutputParts":[]}]}}}

4.3.18.15   AddVideoConfiguration

API Module	Cocon for Plixus Core	Plixus Core
AddVideoConfiguration	☑	☐

This api call will add new video preset to system.

Structure:
http://localhost:8890/CoCon/Video/AddVideoConfiguration?Name={name}&Description={description}

Parameters:

Name	Description	Type
Name	Name of the new video preset	string
Description	Description of the video preset	string

Example:
http://localhost:8890/CoCon/Video/AddVideoConfiguration?Name=Custom_Video_Preset&Description=Custom_Video_Preset for validation

Return: **int**
 0 → operation success; 1 → Operation fail (button not found); HTTP status code 404 → no valid license

4.3.18.16   RemoveVideoConfiguration

API Module	Cocon for Plixus Core	Plixus Core
RemoveVideoConfiguration	☑	☐

Remove / Delete the video configuration by id.

Note: Active video preset should not be deleted.

Structure:
http://localhost:8890/CoCon/Video/RemoveVideoConfiguration?Id={Id}

Parameters:

Name	Description	Type
Id	Video preset Id to delete	int

Example:
http://localhost:8890/CoCon/Video/RemoveVideoConfiguration?Id=8

Return: **int**
 0 → operation success; 1 → Operation fail (button not found); HTTP status code 404 → no valid license

4.3.18.17   GetVideoConfiguration

API Module	Cocon for Plixus Core	Plixus Core
GetVideoConfiguration	☑	☐

To get video configuration by Id.

Structure:
http://localhost:8890/CoCon/Video/GetVideoConfiguration?Id={Id}

Parameters:

Name	Description	Type
Id	Video preset Id	int

Example:
http://localhost:8890/CoCon/Video/GetVideoConfiguration?Id=9

Return:
{"GetVideoConfiguration":{"VideoConfiguration":{"Id":9,"Name":"Custom_Video_Preset","Description":"Custom_Video_Preset for validation","Streams":[],"InputGroups":[],"OutputGroups":[]}}}

4.3.18.18   AddVideoInputGroup

API Module	Cocon for Plixus Core	Plixus Core
AddVideoInputGroup	☑	☐

Add video input group to video preset.
Structure:
http://localhost:8890/CoCon/Video/AddVideoInputGroup?ConfigurationId={configurationId}&GroupName={name}

Parameters:

Name	Description	Type
ConfigurationId	Video preset id	int
GroupName	Name of the video input group	string

Example:
http://localhost:8890/CoCon/Video/AddVideoInputGroup?ConfigurationId=9&GroupName=TH

Return: **int**

0 → operation success; 1 → Operation fail (button not found); HTTP status code 404 → no valid license

4.3.18.19   AddVideoOutputGroup

API Module	Cocon for Plixus Core	Plixus Core
AddVideoOutputGroup	☑	☐

Add video output group to video preset.

Structure:
http://localhost:8890/CoCon/Video/AddVideoOutputGroup?ConfigurationId={configurationId}&GroupName={name}

Parameters:

Name	Description	Type

ConfigurationId	Video preset id	int
GroupName	Name of the video output group	string

Example:
http://localhost:8890/CoCon/Video/AddVideoOutputGroup?ConfigurationId=9&GroupName=
VOutbox1

Return: **int**

0 → operation success; 1 → Operation fail (button not found); HTTP status code 404 → no valid license

4.3.18.20   DeleteVideoInputGroup

API Module	Cocon for Plixus Core	Plixus Core
DeleteVideoInputGroup	☑	☐

Remove / Delete the video input group from video preset.

Structure:
http://localhost:8890/CoCon/Video/DeleteVideoInputGroup?ConfigurationId={configurationId}&GroupId={groupId}

Parameters:

Name	Description	Type
ConfigurationId	Video preset id	int
GroupId	Video input group Id	int

Example:
http://localhost:8890/CoCon/Video/DeleteVideoInputGroup?ConfigurationId=9&GroupId=
1

Return: **int**

0 → operation success; 1 → Operation fail (button not found); HTTP status code 404 → no valid license

4.3.18.21   DeleteVideoOutputGroup

API Module	Cocon for Plixus Core	Plixus Core
DeleteVideoOutputGroup	☑	☐

Remove / Delete the video output group from video preset.

Structure:
http://localhost:8890/CoCon/Video/DeleteVideoOutputGroup?ConfigurationId={configurationId}&GroupId={groupId}

Parameters:

Name	Description	Type

ConfigurationId	Video preset id	int
GroupId	Video output group Id	int

Example:
http://localhost:8890/CoCon/Video/DeleteVideoOutputGroup?ConfigurationId=9&GroupId=1

Return: **int**

0 → operation success; 1 → Operation fail (button not found); HTTP status code 404 → no valid license

4.3.19 Intercom

4.3.19.1 RegisterToSeat

API Module	Cocon for Plixus Core	Plixus Core
RegisterToSeat	☑	☑

This command is used by the API client to get the information regarding intercom seat and the unit id on the particular seat.

Note: CoCon not allow make new intercom seat by this API call, for making new intercom seat use the edit seat api.

Structure:
http://localhost:8890/CoCon/Intercom/RegisterToSeat/?SeatNr={seatNr}

Parameters:

Name	Description	Type
seatNr	The number of the seat to which we want to know the Unit id on seat	int

Example:
Intercom/RegisterToSeat/?SeatNr=4

Return:
{"RegisterToSeat":{"SeatNr":4,"UnitId":8}}

4.3.19.2 GetCallerList

API Module	Cocon for Plixus Core	Plixus Core
GetCallerList	☑	☑

This command request the list of possible callers.

Structure:
http://localhost:8890/CoCon/Intercom/GetCallerList

Return:
{"GetCallerList":{"CallerList":[{"Id":0,"Name":"Booth 1","State":0},{"Id":1,"Name":"Seat 5","State":0},{"Id":2,"Name":"Seat 8","State":0},{"Id":3,"Name":"Seat 10","State":0},{"Id":4,"Name":"Seat 9","State":0}]}}

State 0 -> Free
State 1 -> Busy

4.3.19.3 RequestConversation

API Module	Cocon for Plixus Core	Plixus Core
RequestConversation	☑	☑

Request conversation from unit to the caller.

Structure:
http://localhost:8890/CoCon/Intercom/RequestConversation/?FromUid={fromUid}&ToCid={toCid}

Parameters:

Name	Description	Type
FromUid	The unit id we received from CoCon	int
ToCid	The caller ID of the caller we want to call to	int

Example:
Intercom/RequestConversation/?FromUid=9&ToCid=2

Return:
0 -> operation success; 1 -> operation failed; -1 -> exception

Update Events:
{"CallerStateUpdated":{"CallerId":4,"State":1}}
{"CallerUnitStateUpdated":{"UnitId":9,"State":2}}
{"CallerStateUpdated":{"CallerId":2,"State":1}}
{"CallerUnitStateUpdated":{"UnitId":8,"State":2}}
{"ConversationRequested ":{"FromCid":4,"FromUid":9,"ToId":2}}

4.3.19.4 AcceptConversation

API Module	Cocon for Plixus Core	Plixus Core
AcceptConversation	☑	☑

Accept the conversation from the Unit id to caller id

Structure:
http://localhost:8890/CoCon/Intercom/AcceptConversation/?FromUid={fromUid}&ToCid={toCid}

Parameters:

Name	Description	Type
FromUid	The unit id we received from CoCon	int
ToCid	The caller ID of the caller we want to call to	int

Example:
Intercom/AcceptConversation/?FromUid=8&ToCid=4

Return:
0 -> operation success; 1 -> operation failed; -1 -> exception

Update Events:
{"ConversationAccepted":{"FromCid":2,"FromUid":8,"ToId":9}}

4.3.19.5 EndConversation

API Module	Cocon for Plixus Core	Plixus Core
EndConversation	☑	☑

End conversation from unit id to caller id.

Structure:
http://localhost:8890/CoCon/Intercom/EndConversation/?FromUid={fromUid}&ToCid={toCid}

Parameters:

Name	Description	Type
FromUid	The unit id we received from CoCon	int
ToCid	The caller ID of the caller we want to call to	int

Example:
Intercom/EndConversation/?FromUid=9&ToCid=2

Return:
0 -> operation success; 1 -> operation failed; -1 -> exception

Update Events:
{"CallerStateUpdated":{"CallerId":4,"State":0}}
{"CallerUnitStateUpdated":{"UnitId":9,"State":1}}
{"CallerStateUpdated":{"CallerId":2,"State":0}}
{"CallerUnitStateUpdated":{"UnitId":8,"State":1}}
{"ConversationEnded":{"FromCid":4,"FromUid":9,"ToId":8}}

5 Future commands

5.1 Server to client

5.2 Client to server

6 Best practice for use of API

6.1 Setting up and operating the CoCon API connection

6.1.1 General

The CoCon API connection consists of a number of URI's (Uniform Resource Identifier) which are exchanged between the API client and the CoCon Server over a TCP/IP-connection.

Basically, the CoCon API uses two (or more) parallel HTTP-connections. These are the following:

- A "notification" connection that the client and Server keep open in case any information need to be transferred from the Server to the client.
- Any other connection that is used to transfer information from the client to the Server.

The notification connection should be initialized by the client, and is kept open by both sides. Then one of two things can happen:

- The Server has information to send to the client and uses the notification connection for this. The information is transferred and the connection is closed (as per the HTTP standard). After this, the client **needs to create a new notification connection**. The Server will guarantee that no information is lost during this short period where the client has no connection to the Server. Note that the new notification connection needs to be created within 30 seconds. If this does not happen, the Server will discard the client data.
- The HTTP-connection times out before the Server has any information to send to the client. At this point, the client **needs to create a new notification connection**. Again, the Server will guarantee that no information is lost.

6.1.2 Wireshark log screenshot of API connection

In below screenshot an example of communication between API client and Cocon/ERS server is shown : this illustrates the following

1) Setup connection between server and client ; a connection ID is returned

2) Client sends a notification request with this connection ID to request information

3) After some time , If there is no information to be send , server will return "request time out" , which has to be replied immediately by a new notification request

4) ....

5) Each time information was send by the server (e.g. mic button event) this has to be followed by a

   new notification request by the client

+	332 3.129278	192.168.0.108	192.168.0.249	HTTP	111 GET /CoCon/Connect HTTP/1.1
	337 3.179482	192.168.0.249	192.168.0.108	TCP	60 8890 → 61487 [ACK] Seq=1 Ack=58 Win=256 Len=0
−	5006 43.851748	192.168.0.249	192.168.0.108	HTTP	173 HTTP/1.1 408 Request Timeout
	5008 43.863568	192.168.0.249	192.168.0.108	HTTP	276 HTTP/1.1 200 OK (application/json)
	5009 43.863812	192.168.0.108	192.168.0.249	TCP	54 61487 → 8890 [ACK] Seq=58 Ack=342 Win=254 Len=0
	5010 43.864428	192.168.0.108	192.168.0.249	HTTP	156 GET /CoCon/Notification/id=c8e399ce-a509-495f-b16a-b5067461e616 HTTP/1.1
	5015 43.890506	192.168.0.249	192.168.0.108	HTTP	173 HTTP/1.1 408 Request Timeout
	5016 43.891204	192.168.0.108	192.168.0.249	HTTP	156 GET /CoCon/Notification/id=c8e399ce-a509-495f-b16a-b5067461e616 HTTP/1.1
	5017 43.916006	192.168.0.249	192.168.0.108	TCP	60 8890 → 61487 [ACK] Seq=342 Ack=160 Win=255 Len=0
	5020 43.941920	192.168.0.249	192.168.0.108	TCP	60 8890 → 61656 [ACK] Seq=120 Ack=103 Win=251 Len=0
	12458 103.889076	192.168.0.249	192.168.0.108	HTTP	173 HTTP/1.1 408 Request Timeout
	12459 103.889873	192.168.0.108	192.168.0.249	HTTP	156 GET /CoCon/Notification/id=c8e399ce-a509-495f-b16a-b5067461e616 HTTP/1.1
	12461 103.901198	192.168.0.249	192.168.0.108	HTTP	173 HTTP/1.1 408 Request Timeout
	12462 103.901653	192.168.0.108	192.168.0.249	HTTP	156 GET /CoCon/Notification/id=c8e399ce-a509-495f-b16a-b5067461e616 HTTP/1.1
	12467 103.940580	192.168.0.249	192.168.0.108	TCP	60 8890 → 61487 [ACK] Seq=461 Ack=262 Win=255 Len=0
	12468 103.952522	192.168.0.249	192.168.0.108	TCP	60 8890 → 61656 [ACK] Seq=239 Ack=205 Win=256 Len=0
	13323 111.461271	192.168.0.249	192.168.0.108	HTTP	264 HTTP/1.1 200 OK (application/json)
	13324 111.461992	192.168.0.108	192.168.0.249	HTTP	156 GET /CoCon/Notification/id=c8e399ce-a509-495f-b16a-b5067461e616 HTTP/1.1
	13331 111.504840	192.168.0.249	192.168.0.108	HTTP	266 HTTP/1.1 200 OK (application/json)
	13332 111.505533	192.168.0.108	192.168.0.249	HTTP	156 GET /CoCon/Notification/id=c8e399ce-a509-495f-b16a-b5067461e616 HTTP/1.1
	13333 111.506350	192.168.0.249	192.168.0.108	HTTP	557 HTTP/1.1 200 OK (application/json)
	13334 111.506775	192.168.0.108	192.168.0.249	HTTP	156 GET /CoCon/Notification/id=c8e399ce-a509-495f-b16a-b5067461e616 HTTP/1.1
	13343 111.561223	192.168.0.249	192.168.0.108	TCP	60 8890 → 61656 [ACK] Seq=1164 Ack=511 Win=255 Len=0
	19379 163.911423	192.168.0.249	192.168.0.108	HTTP	173 HTTP/1.1 408 Request Timeout
	19380 163.912200	192.168.0.108	192.168.0.249	HTTP	156 GET /CoCon/Notification/id=c8e399ce-a509-495f-b16a-b5067461e616 HTTP/1.1
−	19391 163.962781	192.168.0.249	192.168.0.108	TCP	60 8890 → 61487 [ACK] Seq=580 Ack=364 Win=254 Len=0

6.2 Advised way of working

In order to optimize the performance of the external developed REST API client application we propose the following:

- Make sure that only a single connect is done.

- The id returned by the connect call must be used to make a quickly as possible a notification call. This notification call can:

    - Return immediately if the id is invalid (HTTP 400) → In this case a new connection should be opened. This can e.g. take place if Plixus CU is restarted.

    - Return after a period of time (30sec) when no message is send (HTTP 408). → In this case a new notification call should be opened as quick as possible.

    - Return a message before time-out → In this case the message should be send/processed and a new notification call should be openend as quick as possible.

- It is strongly advised that for quick handling of messages, there is a separate thread for handling notifications. It should be avoided that there are gaps in open notification calls

- In case REST API client program also involved business logic and/or UI, this is best placed in separate thread with quick communication from the notification thread.

The above way of working will guarantee quick and proper handling of REST API notifcations.

A schematic representation is given in the picture on next page.

Important remark:

When opening a connection, by default notification from ALL modules will be received. One can unsubscribe to specific modules. The advantages of unsubscribing to modules for which the notification are not needed/desired are the following:

- **Plixus CU will not be processing and sending out unwanted messages**

- **Client API program will not spend any time receiving and processing packets which are of no interest for the application.**
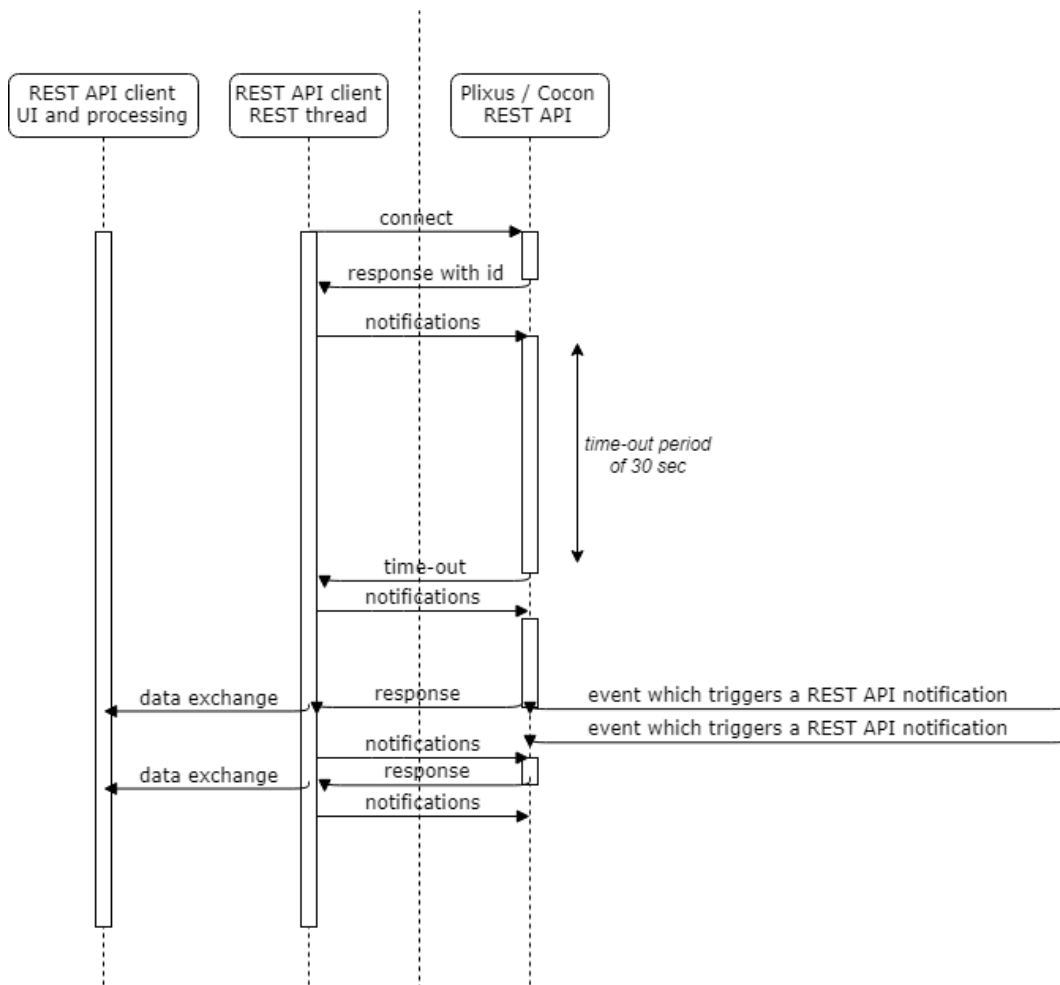
6.3 To be avoided

Common mistake is that with very short intervals , new connections are established by the API client : this creates **lots of unnecessary** traffic , which is to be avoided. So through notification requests , the ongoing connection needs to be reused and kept open.