



IPDIRECTOR API Evolution

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INTRODUCTION

The purpose of this document is to describe the evolution of all the IPD APIs.

It will

- list API changes between versions
- warn of upcoming changes – function depreciation

With the introduction of new codec/wrapper in the IPDirector 7.20, the SOAP API contract has been modified. The client application using the soap API will need to be recompiled based on this new contract.



The SOAP API contract has been modified.
The client application need to be recompiled.

Note : Since IPDirector 7.0, WSDL definition is only available through IPDirector where the Web Service is started and not the Web Service Proxy anymore.

IPD SOAP API EVOLUTION

There is no new method introduced since 7.10.

NEW METHODS IN IPD 7.10

Method Name	Comment
CreateIngestBlock	Ingest API : This function is used to create an ingest Block. It returns the id of the created block or an exception in case of failure
DeleteIngestBlock	Ingest API : This function is used to delete an ingest block.
UpdateIngestBlockTimecodes	Ingest API : This function is used to update the timecode bounds of the ingest Block
UpdateIngestBlockRouterInPort	Ingest API : This function is used to update the router link to the ingest Block. It returns the id of the created block or an exception in case of failure
UpdateIngestBlockMiscellaneous	Ingest API : This function is used to update the miscellaneous data of an ingest Block.
UpdateIngestBlockKeywords	Ingest API : This function is used to update the keywords of the ingest Block.
UpdateIngestBlockMetadata	Ingest API : This function is used to update the metadata of the ingest Block
AssociateIngestBlockToLogsheet	Ingest API : This function is used to associate the ingest block with one(or several) logsheet(s).
RemoveIngestBlockLogsheetAssociations	Ingest API : This function is used to remove the association between the ingest block and one(or several) logsheet(s).
ChangeRecorder	Ingest API : This function is used to change the recorder where the block should be ingested
GetIngestBlocks	Ingest API : This function is used to get all ingest block
GetNextIngestBlocks	Ingest API : This function is used to get next ingest block
GetIngestBlockById	Ingest API : This function is used to get ingest block by Id
GetStatus	Ingest API : This function is used to get the status of the ingest block corresponding to the given Id
GetKeywordById	Returns a keyword based on its ID
GetKeywordByThirdPartyId	Returns a keyword based on its third party ID

GetKeywordByTypeAndValue	Returns a keyword based on its type and value
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NEW METHODS IN IPD 6.60

Method Name	Comment
Connect_V02	This method should be used as single method for connection to the API. Behing this call, Floating licence reservation is done transparently (1 IPAccess and 1 IPD Live PAM Core)

REMOVED METHODS IN IPD 6.60

The following methods have been completely removed from IPDirector 6.60. They must be removed from any client applications and replaced accordingly.

Method Name	Deprecat ed in	Alternative method	Comments
DisconnectWithFloatingLic ense_V01_01	06.55.16. 285	DisConnect_V01_0 1	
KeepAliveWithFloatingLice nse_V01_01	06.55.16. 285	KeepAlive	
GetAllClip_V01_01	06.55.16. 285	AdvancedSearchCl ip_V01_01	
GetClipByVarID_V01_01	06.55.16. 285	AdvancedSearchCl ip_V01_01	
GetTypeOfPlaylistElem_V0 1_01	06.55.16. 285	Not applicable	This information is present in EVS.IPDirector.Logic.LogicIPWSInterface.Playlis t.wsPlaylistElem_V01
SearchClips_V01_01	06.55.16. 285	AdvancedSearchCl ip_V01_01	
GetAllLog_V01_01	06.55.16. 285	AdvancedSearchLo g_V01_01	
GetAllEdit_V01_01	06.55.16. 285	AdvancedSearchE dit_V01_01	
GetEditByVarID_V01_01	06.55.16. 285	AdvancedSearchE dit_V01_01	
EventSubscribe_V01_01 on IPD_ClipMoved	/	EventSubscribe_V 01_01 onIPD_ClipUpdate d	The IPDClipMoved Event has been removed from IPD 6.60. Instead, a IPDClipUpdated Event will be sent when a clip is moved. If a client tries to subscribe, the method will

EventUnSubscribe_V01_01 onIPD_ClipMoved	/	EventUnSubscribe_V01_01 on IPD_ClipUpdated	return false and GetLastError will mention that this event is replaced by IPD_ClipUpdated.
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OBSOLETE METHODS IN IPD 6.60

The following functions are obsolete and should not be used for new applications. They are, however, still supported in IPDirector 6.60.

Please note that these methods will be removed in next release.

Old Method	Alternative method	Comments
Connect_V01	Connect_V02	
ConnectWithFloatingLicense_V01_01	Connect_V02	
GetClipFromBin_V01_01	AdvancedSearchClip_V01_01 orGetClipFromBinWithPosition_V01_01	AdvancedSearchClip_V01_01 is to be used with a BinNode Expression
GetEditFromBin_V01_01	AdvancedSearchEdit_V01_01 orGetEditFromBinWithPosition_V01_01	AdvancedSearchEdit_V01_01 is to be used with a BinNode Expression
GetEditByThirdPartyId	AdvancedSearchEdit_V01_01	Specify a Compare expression on the ThirdPartyId Column
GetAllBin_V01_01	Not applicable	Please use EVS.IPDirector.Logic.LogicIPWSInterface.iIPWS_V01.GetAllBinsRoots_V02_00 to retrieve the root nodes. Then use EVS.IPDirector.Logic.LogicIPWSInterface.iIPWS_V01.GetBinDirSubTree_V01_01 to retrieve children information
IsAliveWithToken	KeepAlive	

IPD SOAP API CHANGE LOG

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FROM IPD 7.20.36 TO IPD 7.30.24

There haven't been any API changes between these two versions.

FROM IPD 7.10.28 TO IPD 7.20.36

The table below lists all API changes that have been made between IPD 7.10.28 and IPD 7.20.36.

With the introduction of new codec/wrapper in the IPDirector 7.20, the SOAP API contract has been modified. The client applications using the soap API will need to be recompiled based on this new contract.

BuildVersion	Message	Date	Revision
07.20.12.067	Updated wsClipVideoCodec_V01 with new values	14/06/2016 10:59:00	91377
07.20.12.067	Updated wsClipVideoCodec_V01 with new values	14/06/2016 11:15:00	91382
07.20.12.067	Updated wsClipVideoCodec_V01 with new values	14/06/2016 11:20:00	91384

FROM IPD 7.00.32 TO IPD 7.10.28

The table below lists all API changes that have been made. The main change is the introduction of the new Ingest API :

BuildVersion	Message	Date	Revision
07.10.16.235	New method added: GetKeywordById	5/04/2016 11:05:00	88988
07.10.16.235	New method added: GetKeywordByThirdPartyId	5/04/2016 11:05:00	88988
07.10.16.235	New method added: GetKeywordByTypeAndValue	5/04/2016 11:05:00	88988
07.10.20.256	New Ingest API : CreateIngestBlock	18/04/2016 18:19:00	89570
07.10.20.256	New Ingest API : DeleteIngestBlock	18/04/2016 18:19:00	89570
07.10.20.256	New Ingest API : UpdateIngestBlockTimecodes	18/04/2016 18:19:00	89570
07.10.20.256	New Ingest API : UpdateIngestBlockRouterInPort	18/04/2016 18:19:00	89570
07.10.20.256	New Ingest API : UpdateIngestBlockMiscellaneous	18/04/2016 18:19:00	89570

07.10.20.256	New Ingest API : UpdateIngestBlockKeywords	18/04/2016 18:19:00	89570
07.10.20.256	New Ingest API : UpdateIngestBlockMetadata	18/04/2016 18:19:00	89570
07.10.20.256	New Ingest API : AssociateIngestBlockToLogsheets	18/04/2016 18:19:00	89570
07.10.20.256	New Ingest API : RemoveIngestBlockLogsheetsAssociations	18/04/2016 18:19:00	89570
07.10.20.256	New Ingest API : ChangeRecorder	18/04/2016 18:19:00	89570
07.10.20.256	New Ingest API : GetIngestBlocks	18/04/2016 18:19:00	89570
07.10.20.256	New Ingest API : GetNextIngestBlocks	18/04/2016 18:19:00	89570
07.10.20.256	New Ingest API : GetIngestBlockById	18/04/2016 18:19:00	89570
07.10.20.256	New Ingest API : GetStatus	18/04/2016 18:19:00	89570

FROM IPD 6.70.06 TO IPD 7.00.32

There haven't been any API changes between these two versions.

FROM IPD 6.60.32 TO IPD 6.70.06

There haven't been any API changes between these two versions.

FROM IPD 6.57.04 TO IPD 6.60.32

ChangeType	BuildVersion	Message	Date	Revision
Change Contract	06.60.00.035	Add new API method GetEditSearchableFields_V02_00	3/09/2014 17:34	46738
Break Contract	06.60.04.231	Add Category data member in wsTarget01	18/12/2014 15:17	54866
Change Contract	06.60.04.270	GetClipFromBin_V01_01 is now obsolete	13/01/2015 12:43	56161
Change Contract	06.60.12.302	Adding Connect_V02 Method	27/01/2015 15:21	57470
Break Contract	06.60.12.302	DisconnectWithFloatingLicense_V01_01 is removed	2/02/2015 13:11	57914
Break Contract	06.60.12.302	KeepAliveWithFloatingLicense_V01_01 is	2/02/2015	57915

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		removed	13:11	
Break Contract	06.60.12.302	GetAllClip_V01_01 is removed	2/02/2015 13:12	57916
Break Contract	06.60.12.302	GetClipByVarID_V01_01 is removed	2/02/2015 13:12	57918
Break Contract	06.60.12.302	GetTypeOfPlaylistElem_V01_01 is removed	2/02/2015 13:13	57920
Break Contract	06.60.12.302	SearchClips_V01_01 is removed	2/02/2015 13:56	57939
Break Contract	06.60.12.302	GetAllLog_V01_01 is removed	2/02/2015 13:57	57941
Break Contract	06.60.12.302	GetAllEdit_V01_01 is removed	2/02/2015 13:58	57942
Break Contract	06.60.12.302	GetEditByVarID_V01_01 is removed	2/02/2015 13:58	57943
Break Contract	06.60.12.325	Remove IPD_ClipMoved from events notifications and enumeration.	11/02/2015 14:53	59066
Change Contract	06.60.16.333	wsClipSLSMType_V01 enumeration has a new value for SLSM 8x	18/02/2015 09:15	59847
Break Contract	06.60.16.362	Add Transfer enum value in wsTransfertType_V01	3/03/2015 18:11	60939

FROM IPD 6.56.12 TO IPD 6.57.04

There haven't been any API changes between these two versions.

FROM IPD 6.55.16 TO IPD 6.56.XX

There haven't been any API changes between these two versions.

FROM IPD 6.41.24 TO IPD 6.55.XX.XX

The table below lists all API changes that have been made between IPD 6.4124 and IPD 6.55.xx.

BuildVersion	Message	Date	Revision
06.50.00.000	New method added: GetAllBinsRoots_V02_00		
06.50.00.000	New method added: GetPreviewClipsFromLog_V02_00		
06.50.00.000	New method added: GetProtectedClipsFromLog_V02_00		
06.50.00.000	New method added: GetAssociatedClipsFromLog_V02_00		
06.50.00.000	New method added: GetClipsFromLog_V02_00		
06.50.00.000	New method added: GetLogsFromClip_V02_00		
06.50.00.000	Commands V02_00 throws explicit FaultException instead of SoapException		

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06.50.00.000	Lighten API memory usage by optimizing the Logging Manager Cache (IPD-546)		
06.50.00.000	Improved the performance of GetLogByGuids by changing the algorithm and the use of the cache. (IPD-549)		
06.50.00.000	Improved the performance of GetClipByGuids by changing the algorithm and the use of the cache. (IPD-548)		
06.55.08.180	New method added: ConnectWithSessionId_V02_00		
06.55.00.115	Improve RemoveTimelineFromBin_V01_01 execution speed	28/04/2014 10:24	40898
06.55.02.132	Optimisation on AddClipToBin_V01_01 Optimisation on AddEditToBin_V01_01 Optimisation on AddTimelineToBin_V01_01 Optimisation on AddPlaylistToBin_V01_01	08/05/2014 10:27	41288

IPD XML API CHANGES

ADDED SUPPORT IN IPD 7.00

Description of added item

New tags in XML :

- Router : Tag to define the router (as it is possible to define several routers).
- PortNumber: Port number of the In Source of the selected router

ADDED SUPPORT IN IPD 6.60

Description of added item

The automatic import of xml metadata profiles in IPScheduler is now supported.

REMOVED SUPPORT IN IPD 6.60

Description of removed item	Alternative method
The import/export of logsheets xml in v1 is no longer supported.	Import/export in xml must be done through logsheet v2 xml.
The import/export of playlist legacy xml format is no	Import/export of playlists in xml must be done

longer supported.	through the EVS EDL format.
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