



Delta Media Server

Delta Web Service API

Specification



Delta Web Service API : Specification

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E: info@7thsense.one
W: 7thsense.one

7thSense Design Ltd
2 The Courtyard, Shoreham Road
Upper Beeding
Steyning
West Sussex
BN44 3TN
UK

T: +44 (0) 1903 812299

7thSense Design LLC, Michigan
332 E Lincoln Ave
Suite 100
Royal Oak, MI 48067
USA

T: +1 248 599 2717

7thSense Design LLC, Orlando
4207 Vineland Rd
Suite M1
Orlando, FL 32811
USA

T: +1 407 505 5200

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Introduction

The Delta Web Service interface includes a fully documented HTTP API for discovering and interacting with Delta Media Servers over a local network. It contains a PHP SDK library to integrate control of Delta Media Server directly into PHP applications with hosting capabilities on the server, and provides an add-on framework for developing fully customisable web extensions including user interfaces and interactive web resources.

DWS API Operations

In this document: Sample Return for True/False responses

Where no Sample Response is given it should be assumed that the command returns only a true/false value in the following format:

```
{
  "status": 0,
  "msg": "Function: [commandName] called OK",
  "data": true
}
```

Interactive examples of all operations is also available embedded within the API:

GET Set the playhead location of a timeline by frame

GET Set the playhead location of a timeline by time

GET Set the playhead location of a timeline to a set marker

Parameters

Parameter	Value	Description	Parameter Type	Data Type
marker	<input type="text" value="(required)"/>	Marker Name	query	string
andPlay	<input type="checkbox"/>	Play from marker (Default: false)	query	boolean
t1	<input type="text"/>	Timeline ID	query	integer

Try it out!

GET Clear all auto delete movies on a timeline

GET Dynamically insert a media resource

GET Insert a Movie resource onto the timeline

Parameters

Parameter	Value	Description	Parameter Type	Data Type
resourceName	<input type="text" value="(required)"/>	Pool resource name	query	string
newName	<input type="text"/>	New timeline resource name	query	string
ctrlName	<input type="text"/>	New external control name	query	integer
frame	<input type="text"/>	Frame number	query	integer
layer	<input type="text"/>	Layer, 1-255 or "background"	query	string
length	<input type="text"/>	Length in frames	query	integer
inpoint	<input type="text"/>	Inpoint is the frame of the movie it will start on	query	integer
outpoint	<input type="text"/>	Outpoint is the frame of the	query	integer

Network Discovery

Route	/network/deltas
Summary	Find all Delta Servers on the local network
Sample URL	http://192.168.0.1/api/network/deltas
Sample Response	<pre>{ "status": 0, "msg": "Network discovery OK", "data": [{ "version": "2.0:5", "ip": "10.100.101.101", "tcpport": "23", "name": "Delta1", "udpporttx": "7780", "udpportrx": "7781", "group": "9", "leader": "1", "multicastport": "7776" }, { "version": "2.0:5", "ip": "10.100.101.102", "tcpport": "23", "name": "Delta2", "udpporttx": "7780", "udpportrx": "7781", "group": "9", "leader": "0", "multicastport": "7776" }] }</pre>

externalControl

Route	/delta/rpc/externalControl			
Summary	Sends raw external control strings to the Delta Server			
Sample URL	http://192.168.0.1/api/delta/rpc/externalControl?msg=[string]			
Parameters	Name	Description	Required	Data Type
	msg	External Control Command	Required	string
Sample Response	<pre>{ "status": 0, "msg": "Function: externalControl called OK", "data": true }</pre>			

getHelloData

Route	/delta/rpc/getHelloData			
Summary	Returns the data used when the Delta Server was discovered			
Sample URL	http://192.168.0.1/api/delta/rpc/getHelloData			
Sample Response	<pre>{ "status": 0, "msg": "Function: getHelloData called OK", "data": { "version": "2.0:5", "ip": "10.100.101.114", "tcpport": "23", "name": "Delta1", "udpporttx": "7780", "udpportrx": "7781", "group": "9", "leader": "1", "multicastport": "7776" } }</pre>			

getName

Route	/delta/rpc/getName
Summary	Returns the Delta Server's name
Sample URL	http://192.168.0.1/api/delta/rpc/getName
Sample Response	<pre>{ "status": 0, "msg": "Function: getName called OK", "data": "Delta1" }</pre>

getIP

Route	/delta/rpc/getIP
Summary	Returns the Delta Server's IP address
Sample URL	http://192.168.0.1/api/delta/rpc/getIP
Sample Response	<pre>{ "status": 0, "msg": "Function: getIP called OK", "data": "10.100.101.114" }</pre>

getGroup

Route	/delta/rpc/getGroup
Summary	Returns the Delta Server's group
Sample URL	http://192.168.0.1/api/delta/rpc/getGroup
Sample Response	<pre>{ "status": 0, "msg": "Function: getGroup called OK", "data": "9" }</pre>

setGroup

Route	/delta/rpc/setGroup			
Summary	Set a Delta Server's group			
Sample URL	http://192.168.0.1/api/delta/rpc/setGroup?group=[integer]			
Parameters	Name	Description	Required	Data Type
	Group	New group number	Required	integer

isLeader

Route	/delta/rpc/isLeader			
Summary	Check if Delta Server is a Leader server			
Sample URL	http://192.168.0.1/api/delta/rpc/isLeader			

isMaster (legacy)

Please note: From 2020 7thSense deprecated the terms master and slave for the dependencies between devices. We now refer throughout to 'Leader' and 'Follower' in our products.

To maintain functionality, both terminologies continue to work internally, but our documentation no longer uses the former terms. Users of pre-2020 products will need to observe the equivalence and continue to use the previous legacy terms.

Route	/delta/rpc/isMaster			
Summary	Check if Delta Server is a master server			
Sample URL	http://192.168.0.1/api/delta/rpc/isMaster			

setLeader

Route	/delta/rpc/setLeader			
Summary	Set the Delta Server to be a Leader server			
Sample URL	http://192.168.0.1/api/delta/rpc/setLeader			

setMaster (legacy)

Route	/delta/rpc/setMaster
Summary	Set the Delta Server to be a master server
Sample URL	http://192.168.0.1/api/delta/rpc/setMaster

setFollower

Route	/delta/rpc/setFollower
Summary	Set the Delta Server to be a Follower server
Sample URL	http://192.168.0.1/api/delta/rpc/setFollower

setSlave (legacy)

Please note: From 2020 7thSense deprecated the terms master and slave for the dependencies between devices. We now refer throughout to 'Leader' and 'Follower' in our products.

To maintain functionality, both terminologies continue to work internally, but our documentation no longer uses the former terms. Users of pre-2020 products will need to observe the equivalence and continue to use the previous legacy terms.

Route	/delta/rpc/setSlave
Summary	Set the Delta Server to be a slave server
Sample URL	http://192.168.0.1/api/delta/rpc/setSlave

getStatus

Route	/delta/rpc/getStatus
Summary	Returns status information
Sample URL	http://192.168.0.1/api/delta/rpc/getStatus

getShortStatus

Route	/delta/rpc/getShortStatus			
Summary	Returns short status information			
Sample URL	http://192.168.0.1/api/delta/rpc/getShortStatus?tl=[integer]&smpte=[boolean]			
Parameters	Name	Description	Required	Data Type
	TI	Timeline ID		integer
	SMPTE	True: Return time as SMPTE, False: Return time in frames		boolean
Sample response	<pre>{ "status": 0, "msg": "Function: getShortStatus called OK", "data": { "time": "273", "mode": "Stopped" } }</pre>			

getAudioLevel

Route	/delta/rpc/getAudioLevel			
Summary	Returns the global audio level			
Sample URL	http://192.168.0.1/api/delta/rpc/getAudioLevel			
Sample response	<pre>{ "status": 0, "msg": "Function: getAudioLevel called OK", "data": "100" }</pre>			

getVideoLevel

Route	/delta/rpc/getVideoLevel
Summary	Returns the global video level
Sample URL	http://192.168.0.1/api/delta/rpc/getVideoLevel
Sample response	<pre>{ "status": 0, "msg": "Function: getVideoLevel called OK", "data": "100" }</pre>

setAudioLevel

Route	/delta/rpc/setAudioLevel			
Summary	Set the global audio level			
Sample URL	http://192.168.0.1/api/delta/rpc/setAudioLevel?value=[integer]			
Parameters	Name	Description	Required	Data Type
	Value	Percentage	Required	integer

setVideoLevel

Route	/delta/rpc/setVideoLevel			
Summary	Set the global video level			
Sample URL	http://192.168.0.1/api/delta/rpc/setVideoLevel?value=[integer]			
Parameters	Name	Description	Required	Data Type
	Value	Percentage	Required	integer

getFrameRate

Route	/delta/rpc/getFrameRate
Summary	Returns the timeline framerate
Sample URL	http://192.168.0.1/api/delta/rpc/getFrameRate
Sample response	<pre>{ "status": 0, "msg": "Function: getFrameRate called OK", "data": "30.0" }</pre>

getResourceXML

Route	/delta/rpc/getResourceXML
Summary	Returns current server resources in XML format
Sample URL	http://192.168.0.1/api/delta/rpc/getResourceXML

enableReserve

Route	/delta/rpc/enableReserve
Summary	Enable the reserve timeline
Sample URL	http://192.168.0.1/api/delta/rpc/enableReserve

disableReserve

Route	/delta/rpc/disableReserve
Summary	Disable the reserve timeline
Sample URL	http://192.168.0.1/api/delta/rpc/disableReserve

getShowList

Route	/delta/rpc/getShowList
Summary	Returns a list of available show files
Sample URL	http://192.168.0.1/api/delta/rpc/getShowList
Sample response	<pre>{ "status": 0, "msg": "Function: getShowList called OK", "data": ["blank.xml", "demo show.xml", "test show.xml"] }</pre>

loadShow

Route	/delta/rpc/loadShow			
Summary	Load a show file			
Sample URL	http://192.168.0.1/api/delta/rpc/loadShow?show=[string]			
Parameters	Name	Description	Required	Data Type
	Show	Show file name	Required	string

getGlobalVarList

Route	/delta/rpc/getGlobalVarList
Summary	Returns all global variables
Sample URL	http://192.168.0.1/api/delta/rpc/getGlobalVarList
Sample response	<pre>{ "status": 0, "msg": "Function: getGlobalVarList called OK", "data": [{ "key": "\$var1", "value": "test", "type": "STRING" }] }</pre>

getGlobalVar

Route	/delta/rpc/getGlobalVar			
Summary	Returns a specified global variable			
Sample URL	http://192.168.0.1/api/delta/rpc/getGlobalVar?key=[string]			
Parameters	Name	Description	Required	Data Type
	Key	Global variable key	Required	string
Sample response	<pre>{ "status": 0, "msg": "Function: getGlobalVar called OK", "data": "test" }</pre>			

setGlobalVar

Route	/delta/rpc/setGlobalVar			
Summary	Set the value of a global variable			
Sample URL	http://192.168.0.1/api/delta/rpc/setGlobalVar?key=[string]&value=[string]			
Parameters	Name	Description	Required	Data Type
	Key	Global variable key	Required	string
	Value	Global variable value	Required	string

deleteGlobalVar

Route	/delta/rpc/deleteGlobalVar			
Summary	Delete a global variable			
Sample URL	http://192.168.0.1/api/delta/rpc/deleteGlobalVar?key=[string]			
Parameters	Name	Description	Required	Data Type
	key	Global variable key	Required	string

getMarkers

Route	/delta/rpc/getMarkers
Summary	Lists all markers
Sample URL	http://192.168.0.1/api/delta/rpc/getMarkers
Sample response	<pre>{ "status": 0, "msg": "Function: getMarkers called OK", "data": [{ "name": "Start Marker", "frame": "68", "tl": "1" }, { "name": "Stop Marker", "frame": "119", "tl": "1" }] }</pre>

getAvailableSequences

Route	/delta/rpc/getAvailableSequences
Summary	Returns available sequences
Sample URL	http://192.168.0.1/api/delta/rpc/getAvailableSequences
Sample response	<pre>{ "status": 0, "msg": "Function: getAvailableSequences called OK", "data": ["start of day", "end of day", "show start", "house lights up"] }</pre>

getActiveSequences

Route	/delta/rpc/getActiveSequences
Summary	Returns currently running sequences
Sample URL	http://192.168.0.1/api/delta/rpc/getActiveSequences
Sample response	<pre>{ "status": 0, "msg": "Function: getActiveSequences called OK", "data": ["start of day"] }</pre>

startSequence

Route	/delta/rpc/startSequence			
Summary	Start a new instance of a sequence			
Sample URL	http://192.168.0.1/api/delta/rpc/startSequence?sequenceName= <i>[string]</i>			
Parameters	Name	Description	Required	Data Type
	sequenceName	Sequence name	Required	string

pauseSequence

Route	/delta/rpc/pauseSequence			
Summary	Pause a currently running sequence instance			
Sample URL	http://192.168.0.1/api/delta/rpc/pauseSequence?sequenceName= <i>[string]</i>			
Parameters	Name	Description	Required	Data Type
	sequenceName	Sequence name	Required	string

resumeSequence

Route	/delta/rpc/resumeSequence			
Summary	Resume a paused sequence instance			
Sample URL	http://192.168.0.1/api/delta/rpc/resumeSequence?sequenceName=[string]			
Parameters	Name	Description	Required	Data Type
	sequenceName	Sequence name	Required	string

cancelSequence

Route	/delta/rpc/cancelSequence			
Summary	Cancel a currently running sequence instance			
Sample URL	http://192.168.0.1/api/delta/rpc/cancelSequence?sequenceName=[string]			
Parameters	Name	Description	Required	Data Type
	sequenceName	Sequence name	Required	string

cancelAllSequences

Route	/delta/rpc/cancelAllSequences			
Summary	Cancel all currently running sequence instances			
Sample URL	http://192.168.0.1/api/delta/rpc/cancelAllSequences			

getPoolResources

Route	/delta/rpc/getPoolResources			
Summary	Returns pool resources by a specified type			
Sample URL	http://192.168.0.1/api/delta/rpc/getPoolResources?pool=[string]			
Parameters	Name	Description	Required	Data Type
	Pool	Resource Type (movies, images, audio)	Required	string
Sample response	<pre>{ "status": 0, "msg": "Function: getPoolResources called OK", "data": ["4kJenga_", "Line-Animation_"] }</pre>			

refreshResources

Route	/delta/rpc/refreshResources
Summary	Refreshes the resource pool
Sample URL	http://192.168.0.1/api/delta/rpc/refreshResources

reloadImages

Route	/delta/rpc/reloadImages
Summary	Forces reloading of all images on the timeline
Sample URL	http://192.168.0.1/api/delta/rpc/reloadImages

reloadImage

Route	/delta/rpc/reloadImage			
Summary	Forces reloading of a single image on the timeline			
Sample URL	http://192.168.0.1/api/delta/rpc/reloadImage?ctrlName=[string]			
Parameters	Name	Description	Required	Data Type
	ctrlName	Image resource name	Required	string

play

Route	/delta/rpc/play			
Summary	Play a timeline			
Sample URL	http://192.168.0.1/api/delta/rpc/play?tl=[integer]			
Parameters	Name	Description	Required	Data Type
	TI	Timeline ID		integer

stop

Route	/delta/rpc/stop			
Summary	Stop a timeline			
Sample URL	http://192.168.0.1/api/delta/rpc/stop?tl=[integer]			
Parameters	Name	Description	Required	Data Type
	TI	Timeline ID		integer

rewind

Route	/delta/rpc/rewind			
Summary	Rewind a timeline			
Sample URL	http://192.168.0.1/api/delta/rpc/rewind?tl=[integer]			
Parameters	Name	Description	Required	Data Type
	TI	Timeline ID		integer

advance

Route	/delta/rpc/advance			
Summary	Advance a timeline by number of frames			
Sample URL	http://192.168.0.1/api/delta/rpc/advance?tl=[integer]&noFrames=[integer]			
Parameters	Name	Description	Required	Data Type
	tl	Timeline ID		integer
	noFrames	Number of frames	Required	integer

stepback

Route	/delta/rpc/stepback			
Summary	Stepback a timeline by number of frames			
Sample URL	http://192.168.0.1/api/delta/rpc/stepback?tl=[integer]&noFrames=[integer]			
Parameters	Name	Description	Required	Data Type
	tl	Timeline ID		integer
	noFrames	Number of frames	Required	integer

gotoFrame

Route	/delta/rpc/gotoFrame			
Summary	Set the playhead location of a timeline by frame			
Sample URL	http://192.168.0.1/api/delta/rpc/gotoFrame?frameNo=[string]&tl=[integer]&andPlay=[boolean]			
Parameters	Name	Description	Required	Data Type
	frameNo	Frame number	Required	string
	tl	Timeline ID		integer
	andPlay	Play from frame (Default: false)		boolean

gotoTime

Route	/delta/rpc/gotoTime			
Summary	Set the playhead location of a timeline by time			
Sample URL	http://192.168.0.1/api/delta/rpc/gotoTime?time=[string]&frameRate=[integer]&andPlay=[boolean]&tl=[integer]			
Parameters	Name	Description	Required	Data Type
	Time	Time (in format HH:MM:SS:FF)	Required	string
	framerate	Frame Rate of the time value given	Required	integer
	andPlay	Play from time (Default: false)		Boolean
	tl	Timeline ID	integer	

gotoMarker

Route	/delta/rpc/gotoMarker			
Summary	Set the playhead location of a timeline to a set marker			
Sample URL	http://192.168.0.1/api/delta/rpc/gotoMarker?marker=[string]&andPlay=[boolean]&tl=[integer]			
Parameters	Name	Description	Required	Data Type
	marker	Marker Name	Required	string
	andPlay	Play from marker (Default: false)		Boolean
	tl	Timeline ID		integer

mediaClearAutoDeletes

Route	/delta/rpc/mediaClearAutoDeletes			
Summary	Clear all auto delete movies on a timeline			
Sample URL	http://192.168.0.1/api/delta/rpc/mediaClearAutoDeletes			

mediaInsert

Route	/delta/rpc/mediaInsert			
Summary	Dynamically insert a media resource			
Sample URL	http://192.168.0.1/api/delta/rpc/mediaInsert?resourceType=[string]&resourceName=[string]&frame=[integer]&layer=[integer]&x=[integer]&y=[integer]&w=[integer]&h=[integer]&ctrlname=[string]&length=[integer]&mapping=[string]&channel=[integer]&cropping=[string]&fullscreen=[boolean]&autoDelete=[boolean]&tl=[integer]			
Parameters	Name	Description	Required	Data Type
	resourceType	Resource type	Required	string
	resourceName	Resource name	Required	string
	frame	Frame Number		integer
	layer	Layer Number		integer
	x	X Position		integer
	y	Y Position		integer
	w	Width		integer
	h	Height		integer
	ctrlname	External Control Name		string
	length	Length in Frames of new timeline resource		integer
	mapping	“channel” or “flat”		string
	channel	Channel number if channel mapped		integer
	cropping	L% R% T% B%		string
	fullscreen	Fullscreen (true, false)		Boolean
	autodelete	Autodelete (true, false)		Boolean
	tl	Timeline ID		integer

insertMovie

Route	/delta/rpc/insertMovie			
Summary	Insert a Movie resource onto the timeline			
Sample URL	http://192.168.0.1/api/delta/rpc/insertMovie?resourceName=[string]&newName=[string]&ctrlName=[integer]&frame=[integer]&layer=[string]&length=[integer]&mapping=[string]&x=[integer]&y=[integer]&w=[integer]&h=[integer]&channel=[integer]&cropping=[string]&feather=[integer]&autoDelete=[boolean]&autoPlay=[boolean]&parentCtrlName=[string]&itemEnabled=[boolean]&containerOverrides=[string]&duration=[float]&fadeUp=[float]&fadeDown=[float]&crossFade=[boolean]&playMode=[string]&noLoop=[boolean]&repeatCount=[integer]&tl=[integer]			
Parameters	Name	Description	Required	Data Type

resourceName	Pool resource name	Required	string
newname	New timeline resource name		string
ctrlName	New external control name		integer
frame	Frame number		integer
layer	Layer, 1-255 or "background"		string
length	Length in frames		integer
mapping	"channel", "flat" or "fullscreen"		string
x	X Position		integer
y	Y Position		integer
w	Width		integer
h	Height		integer
channel	Channel number if channel mapped		integer
cropping	Percentage crop "L% R% T% B%"		string
feather	Percentage edge feather		integer
autodelete	Set autodelete		Boolean
autoPlay	Set autoplay		Boolean
parentCtrlName	External control name of the parent container (container items only)		string
itemEnabled	Set container item enabled state (container items only)		Boolean
containerOverrides	Comma separated list of property keys. Options: duration, general, features, location, animation, keying, colour, mesh, fade, playmode (containers and container items only)		string
duration	Set the item duration in seconds (requires duration override) (containers and container items only)		float
fadeUp	Set fade up time in seconds (requires fade override) (containers and container items only)		float
fadeDown	Set fade down time in seconds (requires fade override) (containers and container items only)		float
crossFade	Set crossfade (requires fade override) (containers and container items only)		Boolean
playMode	Set the item play mode. Options: playntimes or trigger (requires playmode override) (containers and container items only)		string
noLoop	Set item to not loop (requires playmode override) (containers and container items only)		Boolean

repeatCount	Set item repeat count (requires playmode override) (containers and container items only)	integer
tl	Timeline ID	integer

insertImage

Route	/delta/rpc/insertImage			
Summary	Insert an Image resource onto the timeline			
Sample URL	<pre>http://192.168.0.1/api/delta/rpc/insertImage?resourceName=[string]&newName=[string]&ctrlName=[integer]&frame=[integer]&layer=[string]&length=[integer]&mapping=[string]&x=[integer]&y=[integer]&w=[integer]&h=[integer]&channel=[integer]&cropping=[string]&feather=[integer]&autoDelete=[boolean]&autoPlay=[boolean]&parentCtrlName=[string]&itemEnabled=[boolean]&containerOverrides=[string]&duration=[float]&fadeUp=[float]&fadeDown=[float]&crossFade=[boolean]&playMode=[string]&noLoop=[boolean]&repeatCount=[integer]&tl=[integer]</pre>			
Parameters	Name	Description	Required	Data Type
	ResourceName	Pool resource name	Required	string
	newname	New timeline resource name		string
	ctrlName	New external control name		integer
	frame	Frame number		integer
	layer	Layer, 1-255 or "background"		string
	length	Length in frames		integer
	mapping	"channel", "flat" or "fullscreen"		string
	x	X Position		integer
	y	Y Position		integer
	w	Width		integer
	h	Height		integer
	channel	Channel number if channel mapped		integer
	cropping	Percentage crop "L% R% T% B%"		string
	feather	Percentage edge feather		integer
	autodelete	Set autodelete		Boolean
	autoPlay	Set autoplay		Boolean
	parentCtrlName	External control name of the parent container (container items only)		string
	itemEnabled	Set container item enabled state (container items only)		Boolean
	containerOverrides	Comma separated list of property keys. Options: duration, general, features, location, animation, keying,		string

	colour, mesh, fade, playmode (containers and container items only)	
duration	Set the item duration in seconds (requires duration override) (containers and container items only)	float
fadeUp	Set fade up time in seconds (requires fade override) (containers and container items only)	float
fadeDown	Set fade down time in seconds (requires fade override) (containers and container items only)	float
crossFade	Set crossfade (requires fade override) (containers and container items only)	Boolean
playMode	Set the item play mode. Options: playntimes or trigger (requires playmode override) (containers and container items only)	string
noLoop	Set item to not loop (requires playmode override) (containers and container items only)	Boolean
repeatCount	Set item repeat count (requires playmode override) (containers and container items only)	integer
tl	Timeline ID	integer

insertCapture

Route	/delta/rpc/insertCapture			
Summary	Insert a Capture resource onto the timeline			
Sample URL	http://192.168.0.1/api/delta/rpc/insertCapture?resourceName=[string]&newName=[string]&ctrlName=[integer]&frame=[integer]&layer=[string]&length=[integer]&mapping=[string]&x=[integer]&y=[integer]&w=[integer]&h=[integer]&channel=[integer]&cropping=[string]&feather=[integer]&autoDelete=[boolean]&autoPlay=[boolean]&parentCtrlName=[string]&itemEnabled=[boolean]&containerOverrides=[string]&duration=[float]&fadeUp=[float]&fadeDown=[float]&crossFade=[boolean]&playMode=[string]&noLoop=[boolean]&repeatCount=[integer]&tl=[integer]			
Parameters	Name	Description	Required	Data Type
	resourceName	Pool resource name	Required	string
	newname	New timeline resource name		string
	ctrlName	New external control name		integer
	frame	Frame number		integer
	layer	Layer, 1-255 or "background"		string
	length	Length in frames		integer
	mapping	"channel", "flat" or "fullscreen"		string

x	X Position	integer
y	Y Position	integer
w	Width	integer
h	Height	integer
channel	Channel number if channel mapped	integer
cropping	Percentage crop "L% R% T% B%"	string
feather	Percentage edge feather	integer
autodelete	Set autodelete	Boolean
autoPlay	Set autoplay	Boolean
parentCtrlName	External control name of the parent container (container items only)	string
itemEnabled	Set container item enabled state (container items only)	Boolean
containerOverrides	Comma separated list of property keys. Options: duration, general, features, location, animation, keying, colour, mesh, fade, playmode (containers and container items only)	string
duration	Set the item duration in seconds (requires duration override) (containers and container items only)	float
fadeUp	Set fade up time in seconds (requires fade override) (containers and container items only)	float
fadeDown	Set fade down time in seconds (requires fade override) (containers and container items only)	float
crossFade	Set crossfade (requires fade override) (containers and container items only)	Boolean
playMode	Set the item play mode. Options: playntimes or trigger (requires playmode override) (containers and container items only)	string
noLoop	Set item to not loop (requires playmode override) (containers and container items only)	Boolean
repeatCount	Set item repeat count (requires playmode override) (containers and container items only)	integer
tl	Timeline ID	integer

insertContainer

Route	/delta/rpc/insertContainer
-------	----------------------------

Summary	Insert a Container resource onto the timeline			
Sample URL	<pre>http://192.168.0.1/api/delta/rpc/insertContainer?resourceName=[string]&newName=[string] &ctrlName=[integer]&frame=[integer]&layer=[string]&length=[integer]&mapping=[string]&x=[integer]&y=[integer] &w=[integer]&h=[integer]&cropping=[string]&feather=[integer]&channel=[integer]&parentCtrlName=[string] &itemEnabled=[boolean]&startFromLastItem=[boolean]&containerOverrides=[string]&duration=[float] &fadeUp=[float]&fadeDown=[float]&crossFade=[boolean]&playMode=[string]&noLoop=[boolean] &repeatCount=[integer]&tl=[integer]</pre>			
Parameters	Name	Description	Required	Data Type
	ResourceName	Pool resource name	Required	string
	newname	New timeline resource name		string
	ctrlName	New external control name		integer
	frame	Frame number		integer
	layer	Layer, 1-255 or "background"		string
	length	Length in frames		integer
	mapping	"channel", "flat" or "fullscreen"		string
	x	X Position		integer
	y	Y Position		integer
	w	Width		integer
	h	Height		integer
	cropping	Percentage crop "L% R% T% B%"		string
	feather	Percentage edge feather		integer
	channel	Channel number if channel mapped		integer
	parentCtrlName	External control name of the parent container (container items only)		string
	itemEnabled	Set container item enabled state (container items only)		Boolean
	startFromLastItem	Set container start from the last played item (containers only)		Boolean
	containerOverrides	Comma separated list of property keys. Options: duration, general, features, location, animation, keying, colour, mesh, fade, playmode (containers and container items only)		string
	duration	Set the item duration in seconds (requires duration override) (containers and container items only)		float
	fadeUp	Set fade up time in seconds (requires fade override) (containers and container items only)		float
	fadeDown	Set fade down time in seconds (requires fade override) (containers and container items only)		float
	crossFade	Set crossfade (requires fade override) (containers and container items only)		Boolean

playMode	Set the item play mode. Options: playtimes or trigger (requires playmode override) (containers and container items only)	string
noLoop	Set item to not loop (requires playmode override) (containers and container items only)	Boolean
repeatCount	Set item repeat count (requires playmode override) (containers and container items only)	integer
tl	Timeline ID	integer

insertAudio

Route	/delta/rpc/insertAudio			
Summary	Insert an Audio resource onto the timeline			
Sample URL	http://192.168.0.1/api/delta/rpc/insertAudio?resourceName=[string]&newName=[string]&ctrlName=[integer]&frame=[integer]&layer=[string]&length=[integer]&audioChannels=[string]&audioLevels=[string]&autoDelete=[boolean]&autoPlay=[boolean]&parentCtrlName=[string]&itemEnabled=[boolean]&containerOverrides=[string]&duration=[float]&fadeUp=[float]&fadeDown=[float]&crossFade=[boolean]&playMode=[string]&noLoop=[boolean]&repeatCount=[integer]&tl=[integer]			
Parameters	Name	Description	Required	Data Type
	ResourceName	Pool resource name	Required	string
	newname	New timeline resource name		string
	ctrlName	New external control name		integer
	frame	Frame number		integer
	layer	Layer, 1-255 or "background"		string
	length	Length in frames		integer
	audioChannels	Comma separated list of audio channel numbers, all if not specified, e.g: "1,2,3"		string
	audioLevels	Comma separated list of audio levels (percent), corresponds with audioChannels or all channels if only one value is given. eg: "25,50,75"		string
	autodelete	Set autodelete		Boolean
	autoPlay	Set autoplay		Boolean
	parentCtrlName	External control name of the parent container (container items only)		string
	itemEnabled	Set container item enabled state (container items only)		Boolean
	containerOverrides	Comma separated list of property keys. Options: duration, general, features, location, animation, keying,		string

	colour, mesh, fade, playmode (containers and container items only)	
duration	Set the item duration in seconds (requires duration override) (containers and container items only)	float
fadeUp	Set fade up time in seconds (requires fade override) (containers and container items only)	float
fadeDown	Set fade down time in seconds (requires fade override) (containers and container items only)	float
crossFade	Set crossfade (requires fade override) (containers and container items only)	Boolean
playMode	Set the item play mode. Options: playntimes or trigger (requires playmode override) (containers and container items only)	string
noLoop	Set item to not loop (requires playmode override) (containers and container items only)	Boolean
repeatCount	Set item repeat count (requires playmode override) (containers and container items only)	integer
tl	Timeline ID	integer

insertControl

Route	/delta/rpc/insertControl			
Summary	Insert a Control resource onto the timeline			
Sample URL	http://192.168.0.1/api/delta/rpc/insertControl?resourceName=[string]&newName=[string]&ctrlName=[integer]&frame=[integer]&layer=[string]&gotoFrame=[integer]&gotoAction=[string]&markerAction=[string]&markerName=[string]&markerHotkey=[string]&autoDelete=[boolean]&tl=[integer]			
Parameters	Name	Description	Required	Data Type
	resourceName	Pool resource name	Required	string
	newname	New timeline resource name	string	
	ctrlName	New external control name		integer
	frame	Frame number		integer
	layer	Layer, 1-255 or "background"		string
	gotoFrame	Frame number to go to (goto only)		integer
	gotoAction	Action to take after going to new position, "play" or "stop" (default) (goto only)		string
	markerAction	Action to take on playing into marker, "play" (default) or "stop" (marker only)		string
	markerName	Unique name for marker (marker only)		string
	markerHotkey	Hotkey to link with this marker using keys ctrl, shift, f1-12 or 0-9, format example: "f1", "shift2", "ctrlshiftf3" (marker only)		string
	autodelete	Set autodelete		Boolean
	tl	Timeline ID		integer

insertEffect

Route	/delta/rpc/insertEffect			
Summary	Insert an Effect resource onto the timeline			
Sample URL	http://192.168.0.1/api/delta/rpc/insertEffect?resourceName=[string]&newName=[string]&ctrlName=[integer]&frame=[integer]&layer=[string]&length=[integer]&direction=[string]&autoDelete=[boolean]&tl=[integer]			
Parameters	Name	Description	Required	Data Type
	resourceName	Pool resource name	Required	string
	newname	New timeline resource name	string	
	ctrlName	New external control name		integer
	frame	Frame number		integer
	layer	Layer, 1-255 or "background"		string
	length	Length in frames		integer
	direction	Transition direction for fade or transparency effects, "up" or "down"		string
	autodelete	Set autodelete		Boolean
	tl	Timeline ID		integer

insertGeometry

Route	/delta/rpc/insertGeometry			
Summary	Insert a Geometry resource onto the timeline			
Sample URL	http://192.168.0.1/api/delta/rpc/insertGeometry?resourceName=[string]&newName=[string]&ctrlName=[integer]&frame=[integer]&layer=[string]&channel=[integer]&tl=[integer]			
Parameters	Name	Description	Required	Data Type
	resourceName	Pool resource name	Required	string
	newname	New timeline resource name		string
	ctrlName	New external control name		integer
	frame	Frame number		integer
	layer	Layer, 1-255 or "background"		string
	channel	Channel number if channel mapped		integer
	tl	Timeline ID		integer

insertBlend

Route	/delta/rpc/insertBlend			
Summary	Insert a Blend resource onto the timeline			
Sample URL	http://192.168.0.1/api/delta/rpc/insertBlend?resourceName=[string]&newName=[string]&ctrlName=[integer]&frame=[integer]&channel=[integer]&tl=[integer]			
Parameters	Name	Description	Required	Data Type
	resourceName	Pool resource name	Required	string
	newname	New timeline resource name		string
	ctrlName	New external control name		integer
	frame	Frame number		integer
	channel	Channel number if channel mapped		integer
	tl	Timeline ID		integer

insertSerialEvent

Route	/delta/rpc/insertSerialEvent			
Summary	Insert a Serial Event resource onto the timeline			
Sample URL	http://192.168.0.1/api/delta/rpc/insertSerialEvent?resourceName=[string]&newName=[string]&ctrlName=[integer]&frame=[integer]&layer=[string]&ipAddress=[string]&port=[integer]&repeatEnable=[boolean]&repeatCount=[integer]&repeatFrames=[integer]&command=[string]&addFrame=[boolean]&autoDelete=[boolean]&tl=[integer]			
Parameters	Name	Description	Required	Data Type
	resourceName	Pool resource name	Required	string
	newname	New timeline resource name		string
	ctrlName	New external control name		integer
	frame	Frame number		integer
	layer	Layer, 1-255 or "background"		string
	ipAddress	Set ip address		string
	port	Set port		integer
	repeatEnable	Enable repetitions		Boolean
	repeatCount	Set number of repetitions		integer
	repeatFrames	Set repetition interval in frames		integer
	command	Set the command string to be sent by event		string
	addFrame	Append the current frame no. to the command string		Boolean
	autodelete	Set autodelete		Boolean
	tl	Timeline ID		integer

mediaEnable

Route	/delta/rpc/mediaEnable			
Summary	Enable a media resource			
Sample URL	http://192.168.0.1/api/delta/rpc/mediaEnable?ctrlName=[string]&tl=[integer]			
Parameters	Name	Description	Required	Data Type
	ctrlName	External Control name	Required	string
	tl	Timeline ID		integer

mediaMove

Route	/delta/rpc/mediaMove			
Summary	Move a media resource			
Sample URL	http://192.168.0.1/api/delta/rpc/mediaMove?ctrlName=[string]&x=[integer]&y=[integer]&w=[integer]&h=[integer]&r=[integer]&tl=[integer]			
Parameters	Name	Description	Required	Data Type
	ctrlName	External Control name	Required	string
	x	X Position	Required	integer
	y	Y Position	Required	integer
	w	Width	Required	integer
	h	Height	Required	integer
	r	Roll		integer
	tl	Timeline ID		integer

mediaDisable

Route	/delta/rpc/mediaDisable			
Summary	Disable a media resource			
Sample URL	http://192.168.0.1/api/delta/rpc/mediaDisable?ctrlName=[string]&tl=[integer]			
Parameters	Name	Description	Required	Data Type
	ctrlName	External Control name	Required	string
	tl	Timeline ID		integer

mediaRemove

Route	/delta/rpc/mediaRemove			
Summary	Remove a media resource from a timeline			
Sample URL	http://192.168.0.1/api/delta/rpc/mediaRemove?ctrlName=[string]&tl=[integer]			
Parameters	Name	Description	Required	Data Type
	ctrlName	External Control name	Required	string
	tl	Timeline ID		integer

setTextParams

Route	/delta/rpc/setTextParams			
Summary	Set Parameters of a text resource			
Sample URL	http://192.168.0.1/api/delta/rpc/setTextParams?resourceName=[string]&newText=[string]&fontSize=[string]&r=[integer]&g=[integer]&b=[integer]&tl=[integer]			
Parameters	Name	Description	Required	Data Type
	resourceName	Resource Name	Required	string
	newText	New Text Value	Required	string
	fontSize	Font Size	Required	string
	r Red	(0-255)		integer
	g Green	(0-255)		integer
	b Blue	(0-255)		integer
	tl	Timeline ID		integer

globalFadeUp

Route	/delta/rpc/globalFadeUp			
Summary	Timed global video fade up			
Sample URL	http://192.168.0.1/api/delta/rpc/globalFadeUp?duration=[string]			
Parameters	Name	Description	Required	Data Type
	Duration	Duration of fade	Required	string

globalFadeDown

Route	/delta/rpc/globalFadeDown			
Summary	Timed global video fade down			
Sample URL	http://192.168.0.1/api/delta/rpc/globalFadeDown?duration=[string]			
Parameters	Name	Description	Required	Data Type
	Duration	Duration of fade	Required	string

layerFade

Route	/delta/rpc/layerFade			
Summary	Set the opacity of a timeline layer			
Sample URL	http://192.168.0.1/api/delta/rpc/layerFade?tl=[integer]&layer=[integer]&opacity=[integer]			
Parameters	Name	Description	Required	Data Type
	TI	Timeline ID		integer
	Layer	Layer ID	Required	integer
	Opacity	Opacity %	Required	integer

layerFadeTimed

Route	/delta/rpc/layerFadeTimed			
Summary	Start a timed fade of opacity of a timeline layer			
Sample URL	http://192.168.0.1/api/delta/rpc/layerFadeTimed?tl=[integer]&layer=[integer]&direction=[string]&duration=[string]			
Parameters	Name	Description	Required	Data Type
	TI	Timeline ID		integer
	Layer	Layer ID	Required	integer
	Direction	Direction of fade (up, down)	Required	string
	Duration	Duration of fade	Required	string

layerFadeTimedAll

Route	/delta/rpc/layerFadeTimedAll			
Summary	Start a timed fade of opacity of a timeline layer on all group servers			
Sample URL	http://192.168.0.1/api/delta/rpc/layerFadeTimedAll?tl=[integer]&layer=[integer]&direction=[string]&duration=[string]			
Parameters	Name	Description	Required	Data Type
	TI	Timeline ID		integer
	Layer	Layer ID	Required	integer
	Direction	Direction of fade (up, down)	Required	string
	Duration	Duration of fade	Required	string

layerEnable

Route	/delta/rpc/layerEnable			
Summary	Enable a timeline layer			
Sample URL	http://192.168.0.1/api/delta/rpc/layerEnable?tl=[integer]&layer=[integer]			
Parameters	Name	Description	Required	Data Type
	TI	Timeline ID		integer
	Layer	Layer ID	Required	integer

layerDisable

Route	/delta/rpc/layerDisable			
Summary	Disable a timeline layer			
Sample URL	http://192.168.0.1/api/delta/rpc/layerDisable?tl=[integer]&layer=[integer]			
Parameters	Name	Description	Required	Data Type
	TI	Timeline ID		integer
	Layer	Layer ID	Required	integer

layerEnableAll

Route	/delta/rpc/layerEnableAll			
Summary	Enable a timeline layer on all servers in a group			
Sample URL	http://192.168.0.1/api/delta/rpc/layerEnableAll?tl=[integer]&layer=[integer]			
Parameters	Name	Description	Required	Data Type
	TI	Timeline ID		integer
	Layer	Layer ID	Required	integer

layerDisableAll

Route	/delta/rpc/layerDisableAll			
Summary	Disable a timeline layer on all servers in a group			
Sample URL	http://192.168.0.1/api/delta/rpc/layerDisableAll?tl=[integer]&layer=[integer]			
Parameters	Name	Description	Required	Data Type
	TI	Timeline ID		integer
	Layer	Layer ID	Required	integer

Document Information

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D

Delta Web Service API operations 6

E: info@7thsense.one
W: 7thsense.one

7thSense Design Ltd
2 The Courtyard, Shoreham Road
Upper Beeding
Steyning
West Sussex
BN44 3TN
UK

T: +44 (0) 1903 812299

7thSense LLC, Michigan
332 E Lincoln Ave
Suite 100
Royal Oak, MI 48067
USA

T: +1 248 599 2717

7thSense LLC, Orlando
4207 Vineland Rd
Suite M1
Orlando, FL 32811
USA

T: +1 407 505 5200