# Cordova plugin for Ooyala IMA player

This plugin support both iOS and android platform.

This plugin exports one function for creating player object. By using 'createPlayer' function, you will get player object which has many functions to control player.

#### **GETTING PLAYER OBJECT**

You can get player object by invoking 'createPlayer' function.

'createPlayer' function get 2 parameters - pcode and domain.

It returns a player object which has about 50 functions for controlling player and a message bus object(mb) that is used to monitor events trigger from player.

syntax: function createPlayer(pcode, domain)

If createPlayer function is successfully invoked, 'PLAYER\_CREATED' event will be triggered. This is the first event that is sent after player creation. It provides the opportunity for any other modules to do their own initializations. You can call any of player object functions in handler of this event.

#### LISTENING TO EVENT

Player object contains a message bus object called mb. You can use the mb object and register events you want to listen to by using 'subscribe' function.

syntax: function subscribe(event\_name, subscriber, handler)

event name: name of event to monitor

subscriber: name of module that monitor the event

handler: event handler function

Example:

```
// Get player object
player = window.ooyalalMA.createPlayer('cf6121d0b92d4760917dae9b93ae92f1', 'http://www.ooyala.com');

// Handle 'PLAYER_CREATED' event
player.mb.subscribe('PLAYER_CREATED', 'cordova-app',
```

```
function(result) {
    if (result) {
        // Set embed code
        player.setEmbedCode('h1aG5kcTrQz1rq8L2Pw6qF0Zn9zhmnAk', null, null);
        // Play video
        player.play(null, null);
    }
});
```

## **FUNCTIONS FOR PLAYER**

Once get a player object, use the following functions to control player.

Name	Description	Params	Return	Platform
setEmbedCode	Reinitializes the player	Embed code,	Function return: Nothing	Android,
	with a new	success callback,		iOS
	embedCode.	failure callback	Success callback params:	
			'true' is returned as a	
			callback parameter if	
			operation is done	
			successfully. otherwise	
			'false' is returned.	
			Failure callback params:	
			error string is returned.	
setEmbedCodes	Reinitializes the player	Embed codes	Function return: Nothing	Android,
	with the new	(JSON array),		iOS
	embedCodes (as an	Success callback,	Success callback params:	
	array).	Failure callback	'true' is returned as a	
			callback parameter if	
		Ex:)	operation is done	
		["code1",	successfully. otherwise	
		"code2",	'false' is returned.	
		"code3"],		
		successHandler,	Failure callback params:	
		failureHandler	error string is returned.	
setEmbedCodeWith	Reinitializes the player	Embed code,	Function return: Nothing	Android,
AdSetCode	with a new	adSetCode,		iOS

	embedCode and sets	success callback,	Success callback params:	
	the ad set	failure callback	'true' is returned as a	
		Tallure Caliback		
	dynamically.		callback parameter if	
			operation is done	
			successfully. otherwise	
			'false' is returned.	
			Failure callback narame:	
			Failure callback params: error string is returned.	
setEmbedCodesWit	Rainitializas tha playar	Embed	_	Android
	Reinitializes the player		Function return: Nothing	Android,
hAdSetCode	with the new	codes(JSON		iOS
	embedCodes (as an	Array),	Success callback params:	
	array) and sets the ad	adSetCode,	'true' is returned as a	
	set dynamically.	success callback,	callback parameter if	
		failure callback	operation is done	
			successfully. otherwise	
			'false' is returned.	
			<u>Failure callback params:</u>	
			error string is returned.	
setExternalId	Reinitializes the player	External id,	Function return: Nothing	Android,
	with a new external ID	success callback,		iOS
		failure callback	Success callback params:	
			'true' is returned as a	
			callback parameter if	
			operation is done	
			successfully. otherwise	
			'false' is returned.	
			Failure callback params:	
			error string is returned.	
setExternalIds	Reinitializes the player	External IDs(JSON	Function return: Nothing	Android,
	with the new external	Array), success		iOS
	IDs (as an array)	callback, failure	Success callback params:	
		callback	'true' is returned as a	
			callback parameter if	
			operation is done	
			operation is done successfully. otherwise	

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			Failure callback params:	
			error string is returned.	
changeCurrentItem	Sets the current video	Embed code,	Function return: Nothing	Android,
onange carrenteem	in a channel, if the	success callback,	rection recurring	iOS
	video is present.	failure callback	Success callback params:	
	rideo io presenti	Tanare canoack	'true' is returned as a	
			callback parameter if	
			operation is done	
			successfully. otherwise	
			'false' is returned.	
			14.55 15 1514.1154.	
			Failure callback params:	
			error string is returned.	
getPlayheadTime	Gets the current	Success callback,	Function return: Nothing	Android,
,	playhead time (the	failure callback		iOS
	part of the video		Success callback params:	
	currently being		Integer value(time in	
	accessed).		milliseconds) is returned	
	·		·	
			Failure callback params:	
			error string is returned.	
getDuration	Gets the duration of	Success callback,	Function return: Nothing	Android,
	the asset.	failure callback		iOS
			Success callback params:	
			The duration in	
			milliseconds is returned	
			Failure callback params:	
			error string is returned.	
setPlayheadTime	Sets the current	timeInMillis,	Function return: Nothing	Android,
,	playhead time of the	success callback,		iOS
	player (same as seek).	failure callback	Success callback params:	
			Success string message is	
			returned.	
			Failure callback params:	
			error string is returned.	

Gets the player's	Success callback,	Function return: Nothing	Android,
urrent state	failure callback		iOS
		Success callback params:	
tate values:		State string is returned	
NIT, LOADING, READY,			
PLAYING, PAUSED,		Failure callback params:	
COMPLETED,		error string is returned	
USPENDED, ERROR			
auses the current	Success callback,	Function return: Nothing	Android,
rideo.	failure callback		iOS
		Success callback params:	
		success string is returned	
		Failure callback params:	
lavs the current	Success callback,	_	Android,
rideo.	•		iOS
		Success callback params:	
		success string is returned	
		_	
		Failure callback params:	
		error string is returned	
Plays the current	timeInMillis,	Function return: Nothing	Android,
ideo with an initial	success callback,		iOS
ime	failure callback	Success callback params:	
		success string is returned	
		_ ,, ,,,	
-1-11	L' L - B A'II' -		Al '-l
	•	Function return: Nothing	Android,
•	•	Success callback narrows	iOS
	iailure callDack		
etriayileau illilej.		success string is returned	
		Failure callback params:	
		error string is returned	
Get whether the	success callback,	Function return: Nothing	Android,
olayer is playing	failure callback		iOS
THE STATE OF THE S	tate values: NIT, LOADING, READY, LAYING, PAUSED, OMPLETED, USPENDED, ERROR auses the current deo.  lays the current deo with an initial me ets the current layhead time of the layer (same as etPlayheadTime).	tate values: IIT, LOADING, READY, LAYING, PAUSED, OMPLETED, USPENDED, ERROR  auses the current deo.  lays the current deo.  success callback, failure callback  failure callback  timeInMillis, success callback, failure callback  timeInMillis, success callback, failure callback  ets the current layhead time of the layer (same as etPlayheadTime).  timeInMillis, success callback, failure callback  success callback, failure callback	failure callback  Success callback params: State string is returned  Success callback params: State string is returned  Failure callback params: error string is returned  Success callback, failure callback failure callback  Success callback params: success string is returned  Failure callback params: error string is returned  Failure callback params: error string is returned  Failure callback params: error string is returned  Failure callback params: success callback params: success callback params: error string is returned  Failure callback params: success callback, failure callback failure callback  Success callback params: error string is returned  Failure callback params: success string is returned  Failure callback params: error string is returned  Failure callback params: success callback params: error string is returned  Failure callback params: error string is returned

			Success callback params:	
			'true' is returned as a	
			callback parameter if	
			operation is done	
			successfully. otherwise	
			'false' is returned.	
			Failure callback params:	
			error string is returned	
isShowingAd	Get whether the	Success callback,	Function return: Nothing	Android,
	player is playing ad	failure callback		iOS
			Success callback params:	
			'true' is returned as a	
			callback parameter if	
			operation is done	
			successfully. otherwise	
			'false' is returned.	
			Failure callback params:	
			error string is returned	
nextVideo	Change the current	whatToDo (int	Function return: Nothing	Android,
	video to the next	value), success		iOS
	video in the Channel	callback, failure	Success callback params:	
	or ChannelSet.	callback	'true' is returned as a	
			callback parameter if	
		on iOS platform	operation is done	
		whatToDo is	successfully. otherwise	
		meaningless	'false' is returned.	
			Failure callback params:	
			error string is returned	
previousVideo	Change the current	whatToDo (int	Function return: Nothing	Android,
	video to the previous	value), success		iOS
	video in the Channel	callback, failure	Success callback params:	
	or ChannelSet.	callback	'true' is returned as a	
			callback parameter if	
		on iOS platform	operation is done	
		whatToDo is	successfully. otherwise	
		meaningless	'false' is returned.	
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			- " " "	
			Failure callback params:	
			error string is returned	
getAvailableClosed	Get the available	Success callback,	Function return: Nothing	Android,
CaptionsLanguages	closed captions	failure callback		iOS
	languages		Success callback params:	
			JSONArray of available	
			languages	
			Failure callback params:	
			error string is returned	
setClosedCaptionsL	Set the closed caption	language(string),	<u>Function return:</u> Nothing	Android,
anguage	with given language	success callback,		iOS
		failure callback	Success callback params:	
			success string is returned	
			Failure callback params:	
			error string is returned	
setClosedCaptionsP	Set the closed	style(string),	Function return: Nothing	Android,
resentationStyle	captions presentation	success callback,		iOS
	style	failure callback	Success callback params:	
			success string is returned	
		values of style		
		parameter:	Failure callback params:	
		OOClosedCaption	error string is returned	
		PopOn,		
		OOClosedCaption		
		RollUp,		
		OOClosedCaption		
		PaintOn		
getBitrate	Get the current	Success callback,	Function return: Nothing	Android,
	bitrate	failure callback		iOS
			Success callback params:	
			Bitrate value (string) is	
			returned	
			Failure callback params:	
			error string is returned	

resetAds	This will reset the	Success callback,	Function return: Nothing	Android,
	state of all the ads to	failure callback		iOS
	"unplayed" causing		Success callback params:	
	any ad that has		success string is returned	
	already played to play			
	again.		Failure callback params:	
			error string is returned	
skipAd	Skips the currently	Success callback,	Function return: Nothing	Android,
	playing ad (if one is	failure callback		iOS
	playing. does nothing		Success callback params:	
	if not)		success string is returned	
			Failure callback params:	
			error string is returned	
setCustomAnalytics	Sets a tag for custom	Tags(JSON array),	Function return: Nothing	Android,
Tags	analytics	success callback,		iOS
		failure callback	Success callback params:	
			success string is returned	
			Failure callback params:	
			error string is returned	
getMetadata	Get metadata for	Success callback,	Function return: Nothing	Android,
	current root item	failure callback		iOS
			Success callback params:	
			Meta data(JSON object) is	
			returned	
			Failure callback params:	
			error string is returned	
seekable	Whether or not the	Success callback,	Function return: Nothing	Android,
	Videos that player	failure callback		iOS
	plays are seekable		Success callback params:	
			'true' is returned as a	
			callback parameter if	
			operation is done	
			successfully. otherwise	
			'false' is returned.	

			Failure callback params:	
			error string is returned	
setSeekable	Set whether videos	Seekable(boolean	Function return: Nothing	Android,
	played by this	), success		iOS
	OoyalaPlayer are	callback, failure	Success callback params:	
	seekable (default is	callback	success string is returned	
	true)			
			Failure callback params:	
			error string is returned	
setAdsSeekable	Set whether ads	Seekable(boolean	Function return: Nothing	Android,
	played by this	), success		iOS
	OoyalaPlayer are	callback, failure	Success callback params:	
	seekable (default is	callback	success string is returned	
	false)			
			Failure callback params:	
			error string is returned	
getSeekStyle	Get the seek style	Success callback,	Function return: Nothing	Android,
		failure callback		iOS
			Success callback params:	
			Seekstyle(string) is	
			returned	
			Values: NONE, BASIC,	
			ENHANCED	
			Failure callback params:	
			error string is returned	
getClosedCaptionsL	Get the current closed	Success callback,	<u>Function return:</u> Nothing	Android,
anguage	caption language	failure callback		iOS
			Success callback params:	
			Current closed caption	
			language is returned	
			Failure callback params:	
			error string is returned	
getActionAtEnd	Get what the player	Success callback,	Function return: Nothing	Android,
SCIACHOHALEHU	will do at the end of	failure callback	ranction retain. Nothing	iOS
	playback.	Tanute Candack	Success callback params:	103
	piayuack.		Success cumbuck puruitis.	

			actionAtEnd(string) is returned	
			values: CONTINUE, PAUSE, STOP, RESET	
			Failure callback params: error string is returned	
setActionAtEnd	Set what the player should do at the end of playback.	actionAtEnd(strin g), success callback, failure	Function return: Nothing  Success callback params:	Android, iOS
		callback values of	success string is returned  Failure callback params:	
		'actionAtEnd': values: CONTINUE, PAUSE, STOP,	error string is returned	
		RESET		
getAuthToken	Get the authToken for the current player.	Success callback, failure callback	<u>Function return:</u> Nothing	Android, iOS
	the current player.	Tanute canback	Success callback params: Token(string) is returned	103
			Failure callback params:	
			Failure callback params: error string is returned	
isFullscreen	Returns true if in fullscreen mode, false	Success callback, failure callback		Android,
isFullscreen			error string is returned	
isFullscreen	fullscreen mode, false		error string is returned  Function return: Nothing	
isFullscreen	fullscreen mode, false		error string is returned  Function return: Nothing  Success callback params:  'true' is returned as a callback parameter if	
isFullscreen	fullscreen mode, false		error string is returned  Function return: Nothing  Success callback params:  'true' is returned as a callback parameter if operation is done	
isFullscreen	fullscreen mode, false		error string is returned  Function return: Nothing  Success callback params:  'true' is returned as a  callback parameter if  operation is done  successfully. otherwise	
isFullscreen	fullscreen mode, false		error string is returned  Function return: Nothing  Success callback params:  'true' is returned as a callback parameter if operation is done	•
isFullscreen	fullscreen mode, false		Error string is returned  Function return: Nothing  Success callback params:  'true' is returned as a callback parameter if operation is done successfully. otherwise  'false' is returned.  Failure callback params:	•
isFullscreen	fullscreen mode, false		error string is returned  Function return: Nothing  Success callback params:  'true' is returned as a callback parameter if operation is done successfully. otherwise  'false' is returned.	•

		n), success		iOS
		callback, failure	Success callback params:	
		callback	success string is returned	
			_	
			Failure callback params:	
			error string is returned	
getEmbedCode	Get the embedCode	Success callback,	Function return: Nothing	Android
	for the current player.	failure callback		
			Success callback params:	
			Embed code(string) is	
			returned	
			Failure callback params:	
			error string is returned	
getCustomDRMDat	Get the	Success callback,	Function return: Nothing	Android
a	customDRMData for	failure callback		
	the current player.		Success callback params:	
			Custom DRM Data(string)	
			is returned	
			<u>Failure callback params:</u>	
			error string is returned	
setCustomDRMDat	Set the	DRMdata(string),	Function return: Nothing	Android
a	customDRMData for	success callback,		
	the current player.	failure callback	Success callback params:	
			success string is returned	
			Failure callback params:	
			error string is returned	
suspend	Suspend the current	Success callback,	Function return: Nothing	Android
	video (can be	failure callback		
	resumed later by		Success callback params:	
	calling resume).		success string is returned	
			- · · · · ·	
			Failure callback params:	
			error string is returned	
resume	Resume the current	Success callback,	Function return: Nothing	Android
	video from a	failure callback		

	suspended state		Success callback params:	
			success string is returned	
			Success string is returned	
			Failure callback params:	
			error string is returned	
isAdPlaying	Get whether the	Success callback,	Function return: Nothing	Android
	player is playing Ad	failure callback		
			Success callback params:	
			'true' is returned as a	
			callback parameter if	
			operation is done	
			successfully. otherwise	
			'false' is returned.	
			Failure callback params:	
			error string is returned.	
seekToPercent	Seek to the given	Percentage(int),	Function return: Nothing	Android
	percentage	success callback,		
		failure callback	Success callback params:	
			success string is returned	
			Failure callback params:	
			error string is returned	
getBufferPercentag	Get the current item's	Success callback,	Function return: Nothing	Android
е	buffer percentage	failure callback		
			Success callback params:	
			Buffer percentage(int) is	
			returned	
			Failure callback params:	
			error string is returned.	
getPlayheadPercent	Get the current item's	Success callback,	Function return: Nothing	Android
age	playhead time as a	failure callback		
	percentage		Success callback params:	
			Percentage(int) is returned	
			Failure callback params:	
			error string is returned.	

displayClosedCaptio	Display given closed	captionText(string	<u>Function return:</u> Nothing	Android
nText	caption text	), success		
		callback, failure	Success callback params:	
		callback	success string is returned	
			Failure callback params:	
			error string is returned	
getCuePointsInMilli	Get cue points in	Success callback,	Function return: Nothing	Android
Seconds	milliseconds	failure callback		
			Success callback params:	
			JSON Array(integer) is	
			returned.	
			Failure callback params:	
			error string is returned.	
getCuePointsInPerc	Get cue points in	Success callback,	Function return: Nothing	Android
entage	percentage	failure callback		
			Success callback params:	
			JSON Array(integer) is	
			returned.	
			Failure callback params:	
			error string is returned.	
adsSeekable	Whether or not the	Success callback,	Function return: Nothing	iOS
	ads are seekable	failure callback		
			Success callback params:	
			'true' is returned as a	
			callback parameter if	
			operation is done	
			successfully. otherwise	
			'false' is returned.	
			Failure callback params:	
			error string is returned	

## **FUNCTIONS FOR IMA MANAGER**

Name Description Params Return P	Platform
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setAdUrlOverride	Manually load an IMA	url, success	Function return: Nothing	Android,
	Vast URL to initialize	callback,		iOS
	the IMA Manager.	failure callback	Success callback params:	
			Success string is returned	
			Failure callback params:	
			error string is returned.	
setAdTagParameter	Specify a map of Ad	Tag parms (JSON	Function return: Nothing	Android,
S	Tag parameters that	object), success		iOS
	will be appended to	callback, failure	Success callback params:	
	the ad tag This will	callback	Success string is returned	
	not override already			
	set parameters.		Failure callback params:	
			error string is returned.	

# **EVENTS**Following events are triggered from Ooyala player.

Name	Description	Callback params	platform
ADS_PLAYED	A set of ads have played.	V	Android,
		X	iOS
CONTENT_TREE_FETCH	A content tree was fetched.	X	Android,
ED		^	iOS
DOWNLOADING	Player is downloading content.	X	Android,
			iOS
EMBED_CODE_CHANG	The player's embed code has changed	Embed code of current	Android,
ED		asset	iOS
ERROR	An error has occured.	Error string	Android,
			iOS
FULLSCREEN_CHANGE	The fullscreen state has changed	Boolean value indicating	Android,
D		current fullscreen state of	iOS
		player	
METADATA_FETCHED	The metadata (typically set in Backlot)	Meta data (JSON object)	Android,
	was retrieved.		iOS
PAUSED	The player was paused.	X	Android,
		^	iOS
PLAYBACK_READY	The player has indicated that it is in a		Android,
	playback ready state.	X	iOS
	All preparations are complete, and the		

	player is ready to receive playback		
	commands (such as play, seek, and so		
	forth).		
	The default UI shows the Play button (it		
	displays the non-clickable spinner		
	before this point).		
PLAYED	The video was played.	V	Android,
		X	iOS
PLAYER_CREATED	A player was created. This is the first		Android,
	event that is sent after player creation.		iOS
	It provides the opportunity for any	X	
	other modules to do their own		
	initializations.		
PLAYING	A video is playing.	V	Android,
		X	iOS
PLAY_FAILED	An error has occured.	Error string	Android,
			iOS
SEEKED	This signifies that the player has		Android,
	finished seeking to the requested	X	iOS
	position.		