# 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	landre editeden	'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.	

getState	Gets the player's	Success callback,	Function return: Nothing	Android,
	current state.	failure callback		iOS
			Success callback params:	
			State string is returned	
			Failure callback params:	
			error string is returned	
pause	Pauses the current	Success callback,	<u>Function return:</u> Nothing	Android,
	video.	failure callback		iOS
			Success callback params:	
			success string is returned	
			Failure callback params:	
			error string is returned	
play	Plays the current	Success callback,	Function return: Nothing	Android,
	video.	failure callback		iOS
			Success callback params:	
			success string is returned	
			Failure callback params:	
			error string is returned	
playWithInitialTime	Plays the current	timeInMillis,	Function return: Nothing	Android,
	video with an initial	success callback,		iOS
	time	failure callback	Success callback params:	
			success string is returned	
			Failure callback params:	
			error string is returned	
seek	Sets the current	timeInMillis,	<u>Function return:</u> Nothing	Android,
	playhead time of the	success callback,		iOS
	player (same as	failure callback	Success callback params:	
	setPlayheadTime).		success string is returned	
			Failure callback params:	
			error string is returned	
isPlaying	Get whether the	success callback,	Function return: Nothing	Android,
	player is playing	failure callback	1	iOS
	, , , , , , , ,	3.5.5.1	Success callback params:	
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			'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),	Function return: 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	Presentation	Function return: Nothing	Android,
resentationStyle	captions presentation	style(string),		iOS
	style	success callback,	Success callback params:	
		failure callback	success string is returned	
			Failure callback params:	
			error string is returned	
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,
getivictadata	current root item	failure callback	Tunction return.	iOS
	current root item	Tanare canback	Success callback params:	103
			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:	
catSaakahla	Set whether videos	Sookahla/haalaaa	error string is returned	Android
setSeekable		Seekable(boolean	Function return: Nothing	Android, iOS
	played by this OoyalaPlayer are	), success callback, failure	Success callback params	103
	seekable (default is	callback	Success callback params:	
	seekable (delault is	Caliback	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	
			Failure callback params:	
			error string is returned	
getClosedCaptionsL	Get the current closed	Success callback,	Function return: 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,
Sea reciera rezina	will do at the end of	failure callback		iOS
	playback.		Success callback params:	
	. ,		actionAtEnd(string) is	
			returned	
			Failure callback params:	
			error string is returned	
setActionAtEnd	Set what the player	actionAtEnd(strin	Function return: Nothing	Android,
	should do at the end	g), success		iOS
	of playback.	callback, failure	Success callback params:	
		callback	success string is returned	

			Failure callback params:	
			error string is returned	
getAuthToken	Get the authToken for	Success callback,	Function return: Nothing	Android,
genamonen	the current player.	failure callback	ranction return.	iOS
	the current player.	Tunare earloack	Success callback params:	103
			Token(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	
			Failure callback params:	
			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	
			F. T Ille of	
			Failure callback params:	
suspand	Cucnond the surrent	Success callback	error string is returned	Andro:d
suspend	Suspend the current	Success callback, failure callback	<u>Function return:</u> Nothing	Android
	video (can be	Tallure Caliback	Success callback narams:	
	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	
			Failure callback params:	
			error string is returned	
isFullscreen	Returns true if in	Success callback,	Function return: Nothing	Android
	fullscreen mode, false	failure callback		
	if not.		Success callback params:	
			'true' is returned as a	
			callback parameter if	
			operation is done	
			successfully. otherwise	
			'false' is returned.	
			Failure callback params:	
setFullscreen	Set fullscreen mode	Fullscreen(boolea	error string is returned.  Function return: Nothing	Android
seti ulistreeli	Set fullscreen mode	n), success	Tunction return.	Android
		callback, failure	Success callback params:	
		callback	success string is returned	
		Candack	Success string is retarried	
			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,	<u>Function return:</u> 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	Function return: 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	rancion retain.	7.1101010
			Success callback params:	
			JSON Array(integer) is	
			returned.	
			Failure callback params:	
			error string is returned.	
getCuePointsInPerc	Get cue noints in	Success callback		Android
getCuePointsInPerc	Get cue points in	Success callback,	<u>Function return:</u> 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.	
			<u>Failure callback params:</u>	
			error string is returned	

### **FUNCTIONS FOR IMA MANAGER**

Name	Description	Params	Return	Platform
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	
			<u>Failure callback params:</u>	
			error string is returned.	
setAdTagParameter	Specify a map of Ad	Tag parms (JSON	<u>Function return:</u> 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.		<u>Failure callback params:</u>	
			error string is returned.	

## **EVENTS**

Following events are triggered from Ooyala player.

Name	Description	Callback params	platform
authTokenChanged			
ADS_CLICK			
ADS_PLAYED			
AD_AUTHORIZATION_F			
ETCHED			
AD_CONFIG_READY			
AUTHORIZATION_FETC			
HED			
BITRATE_CHANGED			
BUFFERED			
BUFFERING			
CONTENT_TREE_FETCH			
ED			
CONTROLS_HIDDEN			
CONTROLS_SHOWN			
DESTROY			
DOWNLOADING			
EMBED_CODE_CHANG			
ED			
ERROR			
FIRST_AD_FETCHED			
FULLSCREEN_CHANGE	The fullscreen state has changed	Boolean value indicating	Android
D		current fullscreen state of	
		player	
METADATA_FETCHED			
MIDROLL_PLAY_FAILED			
MIDROLL_STREAM_PLA			
YED			
PAUSED	The player was paused.	X	Android
PLAYBACK_READY	The player has indicated that it is in a		
	playback ready state.		
	All preparations are complete, and the		
	player is ready to receive playback		
	commands (such as play, seek, and so		

	f(h)		
	forth).		
	The default UI shows the Play button (it		
	displays the non-clickable spinner		
	before this point).		
PLAYED	The video was played.	X	Android
PLAYER_CREATED	A player was created. This is the first	X	Android
	event that is sent after player creation.		
	It provides the opportunity for any		
	other modules to do their own		
	initializations.		
PLAYHEAD_TIME_CHA			
NGED			
PLAYING	A video is playing.	X	Android
PLAY_FAILED			
PRELOAD_STREAM			
SEEKED	This signifies that the player has	X	Android
	finished seeking to the requested		
	position.		
SINGLE_AD_PLAYED			
SIZE_CHANGED			
STREAM_PAUSED			
STREAM_PLAYED			
STREAM_PLAYING			
STREAM_PLAY_FAILED			
VOLUME_CHANGED			