

Native Plugins Api

1.1

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Contents

1	Namespace Index	1
2	Hierarchical Index	3
2.1	Class Hierarchy	3
3	Class Index	5
3.1	Class List	5
4	Namespace Documentation	9
4.1	Package VoxelBusters	9
4.2	Package VoxelBusters.NativePlugins	9
4.2.1	Enumeration Type Documentation	12
4.2.1.1	eABAuthorizationStatus	12
4.2.1.2	eBillingTransactionState	12
4.2.1.3	eBillingTransactionVerificationState	13
4.2.1.4	eLeaderboardUserScope	13
4.2.1.5	eLeaderboardTimeScope	13
4.2.1.6	eLeaderboardPageDirection	13
4.2.1.7	eImageSource	13
4.2.1.8	ePickImageFinishReason	14
4.2.1.9	ePickVideoFinishReason	14
4.2.1.10	ePlayVideoFinishReason	14
4.2.1.11	NotificationType	14
4.2.1.12	eNotificationRepeatInterval	14
4.2.1.13	eShareResult	15
4.2.1.14	eShareOptions	15
4.2.1.15	eTwitterComposerResult	15
4.2.1.16	eWebviewControllerType	15
4.3	Package VoxelBusters.NativePlugins.Internal	15
5	Class Documentation	17
5.1	Achievement	17
5.1.1	Detailed Description	17

5.1.2	Member Function Documentation	17
5.1.2.1	ReportProgress	17
5.1.3	Property Documentation	18
5.1.3.1	Identifier	18
5.1.3.2	PointsScored	18
5.1.3.3	PercentageCompleted	18
5.1.3.4	Completed	18
5.1.3.5	LastReportedDate	18
5.2	AchievementDescription	18
5.2.1	Detailed Description	19
5.2.2	Member Function Documentation	19
5.2.2.1	GetImageAsync	19
5.2.3	Property Documentation	19
5.2.3.1	Identifier	19
5.2.3.2	Title	19
5.2.3.3	AchievedDescription	19
5.2.3.4	UnachievedDescription	19
5.2.3.5	MaximumPoints	20
5.2.3.6	IsHidden	20
5.3	AddressBook	20
5.3.1	Detailed Description	20
5.3.2	Member Function Documentation	20
5.3.2.1	GetAuthorizationStatus	20
5.3.2.2	ReadContacts	20
5.3.2.3	ReadContactsCompletion	21
5.4	AddressBookContact	21
5.4.1	Detailed Description	21
5.4.2	Constructor & Destructor Documentation	22
5.4.2.1	AddressBookContact	22
5.4.2.2	AddressBookContact	22
5.4.3	Member Function Documentation	22
5.4.3.1	GetImageAsync	22
5.4.3.2	ToString	22
5.4.4	Property Documentation	22
5.4.4.1	FirstName	22
5.4.4.2	LastName	22
5.4.4.3	ImagePath	22
5.4.4.4	PhoneNumberList	22
5.4.4.5	EmailIDList	22
5.5	GameServicesSettings.AndroidSettings	23

5.5.1	Detailed Description	23
5.5.2	Property Documentation	23
5.5.2.1	PlayServicesApplicationID	23
5.5.2.2	AchievedDescriptionFormats	23
5.6	MediaLibrarySettings.AndroidSettings	23
5.6.1	Detailed Description	23
5.6.2	Property Documentation	23
5.6.2.1	YoutubeAPIKey	23
5.7	BillingSettings.AndroidSettings	24
5.7.1	Detailed Description	24
5.8	NetworkConnectivitySettings.AndroidSettings	24
5.8.1	Detailed Description	24
5.8.2	Property Documentation	24
5.8.2.1	TimeOutPeriod	24
5.8.2.2	MaxRetryCount	24
5.8.2.3	TimeGapBetweenPolling	24
5.9	NotificationServiceSettings.AndroidSettings	24
5.9.1	Detailed Description	25
5.9.2	Property Documentation	25
5.9.2.1	SenderIdList	25
5.9.2.2	WhiteSmallIcon	25
5.9.2.3	ColouredSmallIcon	25
5.9.2.4	TickerTextKey	25
5.9.2.5	ContentTitleKey	26
5.9.2.6	ContentTextKey	26
5.9.2.7	UserInfoKey	26
5.9.2.8	TagKey	26
5.10	ApplicationSettings	26
5.10.1	Detailed Description	26
5.10.2	Property Documentation	26
5.10.2.1	IsDebugMode	26
5.10.2.2	IOS	27
5.10.2.3	Android	27
5.10.2.4	StoreIdentifier	27
5.11	Billing	27
5.11.1	Detailed Description	28
5.11.2	Member Function Documentation	28
5.11.2.1	RequestForBillingProducts	28
5.11.2.2	IsProductPurchased	28
5.11.2.3	BuyProduct	28

5.11.2.4	RestoreCompletedTransactions	28
5.11.2.5	CustomVerificationFinished	29
5.11.2.6	BillingProductsRequestCompletion	29
5.11.2.7	TransactionCompletion	29
5.11.3	Event Documentation	29
5.11.3.1	BillingProductsRequestFinishedEvent	29
5.11.3.2	TransactionFinishedEvent	29
5.12	BillingProduct	29
5.12.1	Detailed Description	30
5.12.2	Member Function Documentation	30
5.12.2.1	Copy	30
5.12.2.2	ToString	30
5.12.3	Property Documentation	30
5.12.3.1	Name	30
5.12.3.2	Description	30
5.12.3.3	IsConsumable	30
5.12.3.4	Price	31
5.12.3.5	LocalizedPrice	31
5.12.3.6	ProductIdentifier	31
5.13	BillingSettings	31
5.13.1	Detailed Description	31
5.13.2	Property Documentation	31
5.13.2.1	Products	31
5.13.2.2	iOS	32
5.13.2.3	Android	32
5.14	BillingTransaction	32
5.14.1	Detailed Description	32
5.14.2	Property Documentation	32
5.14.2.1	ProductIdentifier	32
5.14.2.2	TransactionDateUTC	33
5.14.2.3	TransactionDateLocal	33
5.14.2.4	TransactionIdentifier	33
5.14.2.5	TransactionReceipt	33
5.14.2.6	TransactionState	33
5.14.2.7	VerificationState	33
5.14.2.8	Error	33
5.14.2.9	RawPurchaseData	33
5.15	CrossPlatformNotification	33
5.15.1	Detailed Description	34
5.15.2	Member Function Documentation	34

5.15.2.1	ToString	34
5.15.3	Property Documentation	34
5.15.3.1	AlertBody	34
5.15.3.2	FireDate	34
5.15.3.3	RepeatInterval	34
5.15.3.4	UserInfo	35
5.15.3.5	iOSProperties	35
5.15.3.6	AndroidProperties	35
5.16	NetworkConnectivitySettings.EditorSettings	35
5.16.1	Detailed Description	35
5.16.2	Property Documentation	35
5.16.2.1	TimeOutPeriod	35
5.16.2.2	MaxRetryCount	35
5.16.2.3	TimeGapBetweenPolling	35
5.17	GameServices	36
5.17.1	Detailed Description	36
5.17.2	Member Function Documentation	36
5.17.2.1	IsAvailable	36
5.17.2.2	CreateLeaderboard	37
5.17.2.3	CreateAchievement	37
5.17.2.4	LoadAchievementDescriptions	37
5.17.2.5	LoadAchievements	37
5.17.2.6	ReportProgress	37
5.17.2.7	LoadUsers	38
5.17.2.8	ReportScore	38
5.17.2.9	ShowDefaultAchievementCompletionBanner	38
5.17.2.10	ShowAchievementsUI	38
5.17.2.11	ShowLeaderboardUI	38
5.17.3	Property Documentation	39
5.17.3.1	LocalUser	39
5.18	GameServicesSettings	39
5.18.1	Detailed Description	39
5.18.2	Property Documentation	39
5.18.2.1	Android	39
5.19	BillingSettings.iOSSettings	39
5.19.1	Detailed Description	40
5.19.2	Property Documentation	40
5.19.2.1	SupportsReceiptValidation	40
5.19.2.2	ValidateUsingAppleServer	40
5.19.2.3	ValidateUsingServerURL	40

5.20	NotificationServiceSettings.iOSSettings	40
5.20.1	Detailed Description	40
5.20.2	Property Documentation	40
5.20.2.1	UserInfoKey	40
5.21	Leaderboard	40
5.21.1	Detailed Description	41
5.21.2	Member Function Documentation	41
5.21.2.1	LoadScoreCompletion	41
5.21.2.2	LoadTopScores	41
5.21.2.3	LoadPlayerCenteredScores	41
5.21.2.4	LoadMoreScores	42
5.21.3	Property Documentation	42
5.21.3.1	Identifier	42
5.21.3.2	Title	42
5.21.3.3	UserScope	42
5.21.3.4	TimeScope	42
5.21.3.5	MaxResults	42
5.21.3.6	Scores	42
5.21.3.7	LocalUserScore	42
5.22	LocalUser	43
5.22.1	Detailed Description	43
5.22.2	Member Function Documentation	43
5.22.2.1	Authenticate	43
5.22.2.2	LoadFriends	43
5.22.2.3	GetImageAsync	44
5.22.3	Property Documentation	44
5.22.3.1	IsAuthenticated	44
5.22.3.2	Friends	44
5.22.3.3	Identifier	44
5.22.3.4	Name	44
5.23	MediaLibrary	44
5.23.1	Detailed Description	45
5.23.2	Member Function Documentation	45
5.23.2.1	IsCameraSupported	45
5.23.2.2	PickImage	45
5.23.2.3	SaveScreenshotToGallery	46
5.23.2.4	SaveImageToGallery	46
5.23.2.5	SaveImageToGallery	46
5.23.2.6	SaveImageToGallery	46
5.23.2.7	PlayYoutubeVideo	46

5.23.2.8	PlayEmbeddedVideo	47
5.23.2.9	PlayVideoFromURL	47
5.23.2.10	PlayVideoFromGallery	47
5.23.2.11	PickImageCompletion	47
5.23.2.12	SaveImageToGalleryCompletion	47
5.23.2.13	PickVideoCompletion	47
5.23.2.14	PlayVideoCompletion	48
5.24	MediaLibrarySettings	48
5.24.1	Detailed Description	48
5.24.2	Property Documentation	48
5.24.2.1	Android	48
5.25	NetworkConnectivity	48
5.25.1	Detailed Description	49
5.25.2	Member Function Documentation	49
5.25.2.1	Initialise	49
5.25.2.2	NetworkConnectivityChanged	49
5.25.3	Property Documentation	49
5.25.3.1	IsConnected	49
5.25.4	Event Documentation	49
5.25.4.1	NetworkConnectivityChangedEvent	49
5.26	NetworkConnectivitySettings	49
5.26.1	Detailed Description	50
5.26.2	Property Documentation	50
5.26.2.1	IPAddress	50
5.26.2.2	Editor	50
5.26.2.3	Android	50
5.27	NotificationService	50
5.27.1	Detailed Description	51
5.27.2	Member Function Documentation	51
5.27.2.1	RegisterNotificationTypes	51
5.27.2.2	ScheduleLocalNotification	51
5.27.2.3	CancelLocalNotification	51
5.27.2.4	CancelAllLocalNotification	52
5.27.2.5	ClearNotifications	52
5.27.2.6	RegisterForRemoteNotifications	52
5.27.2.7	UnregisterForRemoteNotifications	52
5.27.2.8	RegisterForRemoteNotificationCompletion	52
5.27.2.9	ReceivedNotificationResponse	52
5.27.3	Event Documentation	52
5.27.3.1	DidFinishRegisterForRemoteNotificationEvent	52

5.27.3.2	DidLaunchWithLocalNotificationEvent	52
5.27.3.3	DidLaunchWithRemoteNotificationEvent	53
5.27.3.4	DidReceiveLocalNotificationEvent	53
5.27.3.5	DidReceiveRemoteNotificationEvent	53
5.28	NotificationServiceSettings	53
5.28.1	Detailed Description	53
5.28.2	Property Documentation	53
5.28.2.1	iOS	53
5.28.2.2	Android	53
5.29	RateMyApp	54
5.29.1	Detailed Description	54
5.29.2	Member Function Documentation	54
5.29.2.1	AskForReview	54
5.29.2.2	AskForReviewNow	54
5.30	Score	54
5.30.1	Detailed Description	55
5.30.2	Member Function Documentation	55
5.30.2.1	ReportScore	55
5.30.3	Property Documentation	55
5.30.3.1	LeaderboardID	55
5.30.3.2	User	55
5.30.3.3	Value	55
5.30.3.4	Date	55
5.30.3.5	FormattedValue	55
5.30.3.6	Rank	56
5.31	Sharing	56
5.31.1	Detailed Description	57
5.31.2	Member Function Documentation	57
5.31.2.1	ShareTextMessageOnSocialNetwork	57
5.31.2.2	ShareURLOnSocialNetwork	58
5.31.2.3	ShareScreenShotOnSocialNetwork	58
5.31.2.4	ShareImageOnSocialNetwork	58
5.31.2.5	ShareImageOnSocialNetwork	58
5.31.2.6	ShareImageOnSocialNetwork	58
5.31.2.7	ShareMessage	59
5.31.2.8	ShareURL	59
5.31.2.9	ShareScreenShot	59
5.31.2.10	ShareImage	59
5.31.2.11	ShareImageAtPath	60
5.31.2.12	Share	60

5.31.2.13	SharingCompletion	60
5.31.2.14	IsMailServiceAvailable	60
5.31.2.15	SendPlainTextMail	60
5.31.2.16	SendHTMLTextMail	61
5.31.2.17	SendMailWithScreenshot	61
5.31.2.18	SendMailWithTexture	61
5.31.2.19	SendMailWithAttachment	61
5.31.2.20	SendMail	62
5.31.2.21	IsMessagingServiceAvailable	62
5.31.2.22	SendTextMessage	62
5.31.2.23	IsWhatsAppServiceAvailable	62
5.31.2.24	ShareTextMessageOnWhatsApp	63
5.31.2.25	ShareScreenshotOnWhatsApp	63
5.31.2.26	ShareImageOnWhatsApp	63
5.31.2.27	ShareImageOnWhatsApp	63
5.31.2.28	ShareImageOnWhatsApp	63
5.32	Twitter	63
5.32.1	Detailed Description	65
5.32.2	Member Function Documentation	65
5.32.2.1	Initialise	65
5.32.2.2	Login	65
5.32.2.3	Logout	65
5.32.2.4	IsLoggedIn	65
5.32.2.5	GetAuthToken	65
5.32.2.6	GetAuthTokenSecret	65
5.32.2.7	GetUserID	66
5.32.2.8	GetUserName	66
5.32.2.9	ShowTweetComposerWithMessage	66
5.32.2.10	ShowTweetComposerWithScreenshot	66
5.32.2.11	ShowTweetComposerWithImage	66
5.32.2.12	ShowTweetComposerWithLink	66
5.32.2.13	ShowTweetComposer	67
5.32.2.14	RequestAccountDetails	67
5.32.2.15	RequestEmailAccess	67
5.32.2.16	GetURLRequest	67
5.32.2.17	PostURLRequest	67
5.32.2.18	PutURLRequest	68
5.32.2.19	DeleteURLRequest	68
5.32.2.20	TWTRLoginCompletion	68
5.32.2.21	TWTRTweetCompletion	68

5.32.2.22 TWTRAccountDetailsCompletion	68
5.32.2.23 TWTREmailAccessCompletion	68
5.32.2.24 TWTRResonse	69
5.33 TwitterSession	69
5.33.1 Detailed Description	69
5.33.2 Member Function Documentation	69
5.33.2.1 ToString	69
5.33.3 Property Documentation	69
5.33.3.1 AuthToken	69
5.33.3.2 AuthTokenSecret	70
5.33.3.3 UserName	70
5.33.3.4 UserID	70
5.34 TwitterSettings	70
5.34.1 Detailed Description	70
5.34.2 Property Documentation	70
5.34.2.1 ConsumerKey	70
5.34.2.2 ConsumerSecret	70
5.35 TwitterUser	71
5.35.1 Detailed Description	71
5.35.2 Member Function Documentation	71
5.35.2.1 ToString	71
5.35.3 Property Documentation	71
5.35.3.1 UserID	71
5.35.3.2 Name	71
5.35.3.3 IsVerified	71
5.35.3.4 IsProtected	72
5.35.3.5 ProfileImageUrl	72
5.36 UI	72
5.36.1 Detailed Description	72
5.36.2 Member Function Documentation	73
5.36.2.1 ShowAlertDialogWithSingleButton	73
5.36.2.2 ShowAlertDialogWithMultipleButtons	73
5.36.2.3 AlertDialogCompletion	73
5.36.2.4 SetPopoverPoint	73
5.36.2.5 SetPopoverPointAtLastTouchPosition	73
5.36.2.6 ShowSingleFieldPromptDialogWithPlainText	73
5.36.2.7 ShowSingleFieldPromptDialogWithSecuredText	74
5.36.2.8 ShowLoginPromptDialog	74
5.36.2.9 SingleFieldPromptCompletion	74
5.36.2.10 LoginPromptCompletion	74

5.37	User	75
5.37.1	Detailed Description	75
5.37.2	Member Function Documentation	75
5.37.2.1	GetImageAsync	75
5.37.3	Property Documentation	75
5.37.3.1	Identifier	75
5.37.3.2	Name	75
5.38	Utility	76
5.38.1	Detailed Description	76
5.38.2	Member Function Documentation	76
5.38.2.1	GetUUID	76
5.38.2.2	OpenStoreLink	76
5.38.2.3	SetApplicationIconBadgeNumber	76
5.38.2.4	GetBundleVersion	77
5.38.2.5	GetBundleIdentifier	77
5.39	UtilitySettings	77
5.39.1	Detailed Description	77
5.40	WebView	77
5.40.1	Detailed Description	79
5.40.2	Member Function Documentation	79
5.40.2.1	WebViewEvent	79
5.40.2.2	WebViewFailedLoad	79
5.40.2.3	WebViewFinishedEvaluatingJS	79
5.40.2.4	WebViewReceivedMessage	79
5.40.2.5	Destroy	80
5.40.2.6	Show	80
5.40.2.7	Hide	80
5.40.2.8	LoadRequest	80
5.40.2.9	LoadHTMLStringContentsOfFile	80
5.40.2.10	LoadHTMLStringWithJavaScript	80
5.40.2.11	LoadHTMLString	80
5.40.2.12	LoadFile	80
5.40.2.13	LoadData	81
5.40.2.14	EvaluateJavaScriptFromString	81
5.40.2.15	Reload	81
5.40.2.16	StopLoading	81
5.40.2.17	AddNewURLSchemeName	81
5.40.2.18	ClearCache	81
5.40.3	Property Documentation	82
5.40.3.1	CanHide	82

5.40.3.2	CanBounce	82
5.40.3.3	ControlType	82
5.40.3.4	ShowSpinnerOnLoad	82
5.40.3.5	AutoShowOnLoadFinish	82
5.40.3.6	ScalesPageToFit	82
5.40.3.7	Frame	82
5.40.3.8	BackgroundColor	82
5.40.4	Event Documentation	82
5.40.4.1	DidShowEvent	82
5.40.4.2	DidHideEvent	83
5.40.4.3	DidDestroyEvent	83
5.40.4.4	DidStartLoadEvent	83
5.40.4.5	DidFinishLoadEvent	83
5.40.4.6	DidFailLoadWithErrorEvent	83
5.40.4.7	DidFinishEvaluatingJavaScriptEvent	83
5.40.4.8	DidReceiveMessageEvent	83
5.41	WebViewMessage	83
5.41.1	Detailed Description	83
5.41.2	Property Documentation	84
5.41.2.1	SchemeName	84
5.41.2.2	Host	84
5.41.2.3	Arguments	84
Index		85

Chapter 1

Namespace Index

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Achievement	17
AchievementDescription	18
AddressBook	20
AddressBookContact	21
GameServicesSettings.AndroidSettings	23
MediaLibrarySettings.AndroidSettings	23
BillingSettings.AndroidSettings	24
NetworkConnectivitySettings.AndroidSettings	24
NotificationServiceSettings.AndroidSettings	24
ApplicationSettings	26
Billing	27
BillingProduct	29
BillingSettings	31
BillingTransaction	32
CrossPlatformNotification	33
NetworkConnectivitySettings.EditorSettings	35
GameServices	36
GameServicesSettings	39
BillingSettings.iOSSettings	39
NotificationServiceSettings.iOSSettings	40
Leaderboard	40
MediaLibrary	44
MediaLibrarySettings	48
NetworkConnectivity	48
NetworkConnectivitySettings	49
NotificationService	50
NotificationServiceSettings	53
RateMyApp	54
Score	54
Sharing	56
Twitter	63
TwitterSession	69
TwitterSettings	70
TwitterUser	71
UI	72
User	75
LocalUser	43
Utility	76

UtilitySettings	77
WebView	77
WebViewMessage	83

Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

Achievement	
VoxelBusters.NativePlugins.Achievement object provides interface to communicate with game server about VoxelBusters.NativePlugins.LocalUser progress towards completing achievement.	17
AchievementDescription	
An VoxelBusters.NativePlugins.AchievementDescription object holds text and images used to describe an VoxelBusters.NativePlugins.Achievement .	18
AddressBook	
Address Book provides access to a centralized contacts database.	20
AddressBookContact	
Data container for each contact detail.	21
GameServicesSettings.AndroidSettings	
Game Services Settings specific to Android platform.	23
MediaLibrarySettings.AndroidSettings	
Media Library Settings specific to Android platform.	23
BillingSettings.AndroidSettings	
Billing Settings specific to Android platform.	24
NetworkConnectivitySettings.AndroidSettings	
Network Connectivity Settings specific to Android Editor.	24
NotificationServiceSettings.AndroidSettings	
Notification Service Settings specific to Android platform.	24
ApplicationSettings	
Application Settings provides interface to configure properties related to this application.	26
Billing	
Billing provides an unique interface to provide in-app purchases from within the application.	27
BillingProduct	
This provides unique access to a product which is purchasable. This encloses details for accessing different properties of a in-app product.	29
BillingSettings	
Billing Settings provides interface to configure properties related to native billing.	31
BillingTransaction	
Maintains transaction information for the purchased product.	32
CrossPlatformNotification	
Is a wrapper class to represent notifications that an application can schedule, handle and present.	33
NetworkConnectivitySettings.EditorSettings	
Network Connectivity Settings specific to Unity Editor.	35

GameServices	
VoxelBusters.NativePlugins.GameServices object provides interface to social game features like VoxelBusters.NativePlugins.Leaderboard , VoxelBusters.NativePlugins.Achievement . It makes use of GameCenter for iOS and Google Play Services for Android.	36
GameServicesSettings	
Game Services Settings provides interface to configure properties related to Game Services. .	39
BillingSettings.iOSSettings	
Billing Settings specific to iOS platform.	39
NotificationServiceSettings.iOSSettings	
Notification Service Settings specific to iOS platform.	40
Leaderboard	
VoxelBusters.NativePlugins.Leaderboard object is used to read data from a leaderboard stored on game service servers i.e, Game Center for iOS, Google Play Services for Android.	40
LocalUser	
The VoxelBusters.NativePlugins.LocalUser class is a special subclass of VoxelBusters.NativePlugins.User that represents the authenticated user running your game on the device. At any given time, only one user may be authenticated on the device.	43
MediaLibrary	
Media library provides an unique way to access devices's media gallery and camera for picking images and playing videos.	44
MediaLibrarySettings	
Media Library Settings provides interface to configure properties related to native media library. .	48
NetworkConnectivity	
Check if the device is connected to internet.	48
NetworkConnectivitySettings	
Network Connectivity Settings provides interface to configure properties related to network connectivity.	49
NotificationService	
Used for scheduling, registering and handling both local and remote notifications.	50
NotificationServiceSettings	
Notification Service Settings provides interface to configure properties related to notification. .	53
RateMyApp	
For getting user reviews, this class provides unique way to prompt user based on configured settings.	54
Score	
VoxelBusters.NativePlugins.Score class holds information for a score that was earned by the VoxelBusters.NativePlugins.User	54
Sharing	
Sharing gives access to different forms of sharing. Can share text or image with Social network, Mail, SMS, WhatsApp.	56
Twitter	
Provides support for sending Twitter requests on behalf of the user and for composing and sending tweets.	63
TwitterSession	
TwitterSession represents a user's session authenticated with the Twitter API.	69
TwitterSettings	
Twitter Settings provides interface to configure TwitterKit.	70
TwitterUser	
TwitterUser represents a user on Twitter	71
UI	
Provides interface for Native UI system.	72
User	
VoxelBusters.NativePlugins.User class provides information about a user playing your game. .	75
Utility	
Utility provides an unique way to access some utility functions.	76
UtilitySettings	
Utility Settings provides interface to configure properties related to utility components such as RateMyApp	77

WebView	
Provides interface to embed web content in your application.	77
WebViewMessage	
WebViewMessage is a wrapped data which is sent from WebView to Unity.	83

Chapter 4

Namespace Documentation

4.1 Package VoxelBusters

Namespaces

- package [NativePlugins](#)

4.2 Package VoxelBusters.NativePlugins

Namespaces

- package [Internal](#)

Classes

- class [Achievement](#)
[VoxelBusters.NativePlugins.Achievement](#) object provides interface to communicate with game server about [VoxelBusters.NativePlugins.LocalUser](#) progress towards completing achievement.
- class [AchievementDescription](#)
An [VoxelBusters.NativePlugins.AchievementDescription](#) object holds text and images used to describe an [VoxelBusters.NativePlugins.Achievement](#).
- class [AddressBook](#)
Address Book provides access to a centralized contacts database.
- class [AddressBookContact](#)
Data container for each contact detail.
- class [ApplicationSettings](#)
Application Settings provides interface to configure properties related to this application.
- class [Billing](#)
[Billing](#) provides an unique interface to provide in-app purchases from within the application.
- class [BillingProduct](#)
This provides unique access to a product which is purchasable. This encloses details for accessing different properties of a in-app product.
- class [BillingSettings](#)
[Billing](#) Settings provides interface to configure properties related to native billing.
- class [BillingTransaction](#)
Maintains transaction information for the purchased product.
- class [CrossPlatformNotification](#)

- Is a wrapper class to represent notifications that an application can schedule, handle and present.*
- class [GameServices](#)
[VoxelBusters.NativePlugins.GameServices](#) object provides interface to social game features like [VoxelBusters.NativePlugins.Leaderboard](#), [VoxelBusters.NativePlugins.Achievement](#). It makes use of GameCenter for iOS and Google Play Services for Android.
 - class [GameServicesSettings](#)
Game Services Settings provides interface to configure properties related to Game Services.
 - class [Leaderboard](#)
[VoxelBusters.NativePlugins.Leaderboard](#) object is used to read data from a leaderboard stored on game service servers i.e, Game Center for iOS, Google Play Services for Android.
 - class [LocalUser](#)
The [VoxelBusters.NativePlugins.LocalUser](#) class is a special subclass of [VoxelBusters.NativePlugins.User](#) that represents the authenticated user running your game on the device. At any given time, only one user may be authenticated on the device.
 - class [MediaLibrary](#)
Media library provides an unique way to access devices's media gallery and camera for picking images and playing videos.
 - class [MediaLibrarySettings](#)
Media Library Settings provides interface to configure properties related to native media library.
 - class [NetworkConnectivity](#)
Check if the device is connected to internet.
 - class [NetworkConnectivitySettings](#)
Network Connectivity Settings provides interface to configure properties related to network connectivity.
 - class [NotificationService](#)
Used for scheduling, registering and handling both local and remote notifications.
 - class [NotificationServiceSettings](#)
Notification Service Settings provides interface to configure properties related to notification.
 - class [RateMyApp](#)
For getting user reviews, this class provides unique way to prompt user based on configured settings.
 - class [Score](#)
[VoxelBusters.NativePlugins.Score](#) class holds information for a score that was earned by the [VoxelBusters.NativePlugins.User](#).
 - class [Sharing](#)
[Sharing](#) gives access to different forms of sharing. Can share text or image with Social network, Mail, SMS, WhatsApp.
 - class [Twitter](#)
Provides support for sending [Twitter](#) requests on behalf of the user and for composing and sending tweets.
 - class [TwitterSession](#)
[TwitterSession](#) represents a user's session authenticated with the [Twitter](#) API.
 - class [TwitterSettings](#)
[Twitter](#) Settings provides interface to configure TwitterKit.
 - class [TwitterUser](#)
[TwitterUser](#) represents a user on [Twitter](#).
 - class [UI](#)
Provides interface for Native [UI](#) system.
 - class [User](#)
[VoxelBusters.NativePlugins.User](#) class provides information about a user playing your game.
 - class [Utility](#)
[Utility](#) provides an unique way to access some utility functions.
 - class [UtilitySettings](#)
[Utility](#) Settings provides interface to configure properties related to utility components such as [RateMyApp](#).
 - class [WebView](#)
Provides interface to embed web content in your application.
 - class [WebViewMessage](#)
[WebViewMessage](#) is a wrapped data which is sent from [WebView](#) to Unity.

Enumerations

- enum [eABAuthorizationStatus](#) {
[NOT_DETERMINED](#),
[RESTRICTED](#),
[DENIED](#),
[AUTHORIZED](#) }

Different possible values for the authorization status with respect to address book data access.

- enum [eBillingTransactionState](#) {
[PURCHASED](#),
[FAILED](#),
[RESTORED](#),
[REFUNDED](#) }

State of purchased transaction

- enum [eBillingTransactionVerificationState](#) {
[NOT_CHECKED](#),
[SUCCESS](#),
[FAILED](#) }

Verification state of purchased transaction.

- enum [eLeaderboardUserScope](#) {
[GLOBAL](#),
[FRIENDS_ONLY](#) }

The scope of [VoxelBusters.NativePlugins.User](#) to be searched for scores.

- enum [eLeaderboardTimeScope](#) {
[TODAY](#),
[WEEK](#),
[ALL_TIME](#) }

The period of time to which user's best [VoxelBusters.NativePlugins.Score](#) are restricted.

- enum [eLeaderboardPageDirection](#) {
[NEXT](#),
[PREVIOUS](#) }

Direction constants for pagination over data sets.

- enum [eImageSource](#) {
[ALBUM](#),
[CAMERA](#),
[BOTH](#) }

Lists different sources available for picking an image.

- enum [ePickImageFinishReason](#) {
[SELECTED](#),
[CANCELLED](#),
[FAILED](#) }

Lists different status for Pick image action.

- enum [ePickVideoFinishReason](#) {
[SELECTED](#),
[CANCELLED](#),
[FAILED](#) }

Lists different status for Pick video action.

- enum [ePlayVideoFinishReason](#) {
[PLAYBACK_ENDED](#),
[PLAYBACK_ERROR](#),
[USER_EXITED](#) }

Lists different status for Play video action.

- enum [NotificationType](#) {
[Badge](#) = 1,
[Sound](#),
[Alert](#) = 4 }

Specifies the types of notifications the app supports.

- enum `eNotificationRepeatInterval` {
`NONE` = 0,
`MINUTE`,
`HOUR`,
`DAY`,
`WEEK`,
`MONTH`,
`YEAR` }

The interval at which the notification has to be rescheduled.

- enum `eShareResult` { `CLOSED` }

Status of shared action.

- enum `eShareOptions` { ,
`MESSAGE`,
`MAIL`,
`FB`,
`TWITTER`,
`WHATSAPP` }

Lists different share options.

- enum `eTwitterComposerResult` {
`CANCELLED`,
`DONE` }

Possible reasons when user finishes composing tweets.

- enum `eWebviewControllerType` {
`NO_CONTROLS`,
`CLOSE_BUTTON`,
`TOOLBAR` }

Specifies the types of control available for webview.

4.2.1 Enumeration Type Documentation

4.2.1.1 enum `eABAuthorizationStatus`

Different possible values for the authorization status with respect to address book data access.

Enumerator

`NOT_DETERMINED` The user has not yet made a choice regarding whether this app can access the data class.

`RESTRICTED` The application is not authorized to access the address book data.

`DENIED` The user explicitly denied access to address book data for this application.

`AUTHORIZED` The application is authorized to access address book data.

4.2.1.2 enum `eBillingTransactionState`

State of purchased transaction

Enumerator

`PURCHASED` `Billing` product purchase transaction successful.

`FAILED` `Billing` product purchase transaction failed.

`RESTORED` `Billing` product purchase transaction restored. This will be the state when `RestoreCompleted` Transactions is called.

`REFUNDED` `Billing` product purchase transaction refunded back to the user.

4.2.1.3 enum eBillingTransactionVerificationState

Verification state of purchased transaction.

Enumerator

NOT_CHECKED Transaction verification not initiated.

SUCCESS Transaction verification is successful.

FAILED Transaction verification failed because of invalid receipt/signature.

4.2.1.4 enum eLeaderboardUserScope

The scope of [VoxelBusters.NativePlugins.User](#) to be searched for scores.

Enumerator

GLOBAL All the user's are considered for search.

FRIENDS_ONLY Only friends of [VoxelBusters.NativePlugins.LocalUser](#) are considered for search.

4.2.1.5 enum eLeaderboardTimeScope

The period of time to which user's best [VoxelBusters.NativePlugins.Score](#) are restricted.

Enumerator

TODAY Best score of all user's recorded in past 24hrs is returned.

WEEK Best score of all user's recorded in past week is returned.

ALL_TIME Best score of all user's recorded is returned.

4.2.1.6 enum eLeaderboardPageDirection

Direction constants for pagination over data sets.

Enumerator

NEXT Direction advancing toward the end of the data.

PREVIOUS Direction advancing toward the beginning of the data.

4.2.1.7 enum eImageSource

Lists different sources available for picking an image.

Enumerator

ALBUM Pick from gallery/album.

CAMERA Pick from camera.

BOTH Pick from gallery/album and camera.

4.2.1.8 enum ePickImageFinishReason

Lists different status for Pick image action.

Enumerator

- SELECTED** Selected image from specified [eImageSource](#) source.
- CANCELLED** Cancelled picking image action.
- FAILED** Failed picking image from specified [eImageSource](#) source.

4.2.1.9 enum ePickVideoFinishReason

Lists different status for Pick video action.

Enumerator

- SELECTED** Selected video from gallery.
- CANCELLED** Cancelled picking video from gallery.
- FAILED** Picking video from gallery failed.

4.2.1.10 enum ePlayVideoFinishReason

Lists different status for Play video action.

Enumerator

- PLAYBACK_ENDED** Video playback ended. Played till end of the video.
- PLAYBACK_ERROR** Error while playing video.
- USER_EXITED** [User](#) exited without playing the complete video.

4.2.1.11 enum NotificationType

Specifies the types of notifications the app supports.

Enumerator

- Badge** Notification is a badge on application's icon
- Sound** Notification is an alert sound.
- Alert** Notification is an alert message.

4.2.1.12 enum eNotificationRepeatInterval

The interval at which the notification has to be rescheduled.

Enumerator

- NONE** The system fires the notification once and then discards it.
- MINUTE** The system reschedules the notification delivery for every minute.
- HOURL** The system reschedules the notification delivery for every hour.
- DAY** The system reschedules the notification delivery for every day.
- WEEK** The system reschedules the notification delivery for every week.
- MONTH** The system reschedules the notification delivery for every month.
- YEAR** The system reschedules the notification delivery for every year.

4.2.1.13 enum eShareResult

Status of shared action.

Enumerator

CLOSED [Sharing](#) window got closed.

4.2.1.14 enum eShareOptions

Lists different share options.

Enumerator

MESSAGE Share via Messaging service. Can be SMS/MMS or Messenger apps on Tablets.

MAIL Share via Mail service.

FB Share via Facebook service.

TWITTER Share via [Twitter](#) service.

WHATSAPP Share via WhatsApp service.

4.2.1.15 enum eTwitterComposerResult

Possible reasons when user finishes composing tweets.

Enumerator

CANCELLED The composer is dismissed without sending the Tweet (i.e. the user selects Cancel, or the account is unavailable).

DONE The composer is dismissed and the message is being sent in the background, after the user selects Done.

4.2.1.16 enum eWebviewControllerType

Specifies the types of control available for webview.

Enumerator

NO_CONTROLS No controls are shown for [WebView](#). Fits well for banner ads.

CLOSE_BUTTON Close button is shown at top-right corner of the webview. Note that [WebView](#) is hide on pressing this button. Please call Destroy, to permanetly remove webview instance.

TOOLBAR Toolbar consists of 4 buttons Back, Forward, Reload, Done Back and Forward buttons allows the user to move back and forward through the webpage history. Reload button allows user to reload the webpage contents. Done buttons allows user to hide [WebView](#).

4.3 Package VoxelBusters.NativePlugins.Internal

Chapter 5

Class Documentation

5.1 Achievement

[VoxelBusters.NativePlugins.Achievement](#) object provides interface to communicate with game server about [VoxelBusters.NativePlugins.LocalUser](#) progress towards completing achievement.

Public Member Functions

- virtual void [ReportProgress](#) (Action< bool > _onCompletion)
Reports the player's progress of this [VoxelBusters.NativePlugins.Achievement](#).

Properties

- abstract string [Identifier](#) [get, protected set]
Gets the identifier of [VoxelBusters.NativePlugins.Achievement](#).
- abstract int [PointsScored](#) [get, set]
Gets or set the value indicating points scored for [VoxelBusters.NativePlugins.Achievement](#).
- int [PercentageCompleted](#) [get]
Gets the value indicating [VoxelBusters.NativePlugins.Achievement](#) progress in terms of percentage.
- abstract bool [Completed](#) [get, protected set]
Gets the value indicating whether this [VoxelBusters.NativePlugins.Achievement](#) is completed.
- abstract DateTime [LastReportedDate](#) [get, protected set]
Gets the last reported date of this [VoxelBusters.NativePlugins.Achievement](#).

5.1.1 Detailed Description

[VoxelBusters.NativePlugins.Achievement](#) object provides interface to communicate with game server about [VoxelBusters.NativePlugins.LocalUser](#) progress towards completing achievement.

5.1.2 Member Function Documentation

5.1.2.1 virtual void ReportProgress (Action< bool > _onCompletion) [virtual]

Reports the player's progress of this [VoxelBusters.NativePlugins.Achievement](#).

Parameters

<code>_onCompletion</code>	Callback to be called when operation is completed.
----------------------------	--

5.1.3 Property Documentation

5.1.3.1 abstract string Identifier [get], [protected set]

Gets the identifier of [VoxelBusters.NativePlugins.Achievement](#).

A string used to uniquely identify the specific [VoxelBusters.NativePlugins.Achievement](#) object refers to.

5.1.3.2 abstract int PointsScored [get], [set]

Gets or set the value indicating points scored for [VoxelBusters.NativePlugins.Achievement](#).

Value indicates how far the player has progressed on this [VoxelBusters.NativePlugins.Achievement](#).

5.1.3.3 int PercentageCompleted [get]

Gets the value indicating [VoxelBusters.NativePlugins.Achievement](#) progress in terms of percentage.

Value indicates how far the player has progressed on this [VoxelBusters.NativePlugins.Achievement](#) in terms of percentage.

5.1.3.4 abstract bool Completed [get], [protected set]

Gets the value indicating whether this [VoxelBusters.NativePlugins.Achievement](#) is completed.

States whether the player has completed the [VoxelBusters.NativePlugins.Achievement](#).

5.1.3.5 abstract DateTime LastReportedDate [get], [protected set]

Gets the last reported date of this [VoxelBusters.NativePlugins.Achievement](#).

The last time that progress on the [VoxelBusters.NativePlugins.Achievement](#) was successfully reported.

5.2 AchievementDescription

An [VoxelBusters.NativePlugins.AchievementDescription](#) object holds text and images used to describe an [VoxelBusters.NativePlugins.Achievement](#).

Public Member Functions

- abstract void [GetImageAsync](#) (DownloadTexture.Completion _onCompletion)
Asynchronously loads the image.

Properties

- abstract string [Identifier](#) [get, protected set]
Gets the identifier of [VoxelBusters.NativePlugins.Achievement](#).
- abstract string [Title](#) [get, protected set]
Gets the title for the [VoxelBusters.NativePlugins.Achievement](#).

- abstract string [AchievedDescription](#) [get, protected set]
Gets the description to be used when the [VoxelBusters.NativePlugins.LocalUser](#) has completed the achievement.
- abstract string [UnachievedDescription](#) [get, protected set]
Gets the description to be used when the [VoxelBusters.NativePlugins.LocalUser](#) has not completed the achievement.
- abstract int [MaximumPoints](#) [get, protected set]
Gets the maximum point that user needs to earn to complete this achievement.
- abstract bool [IsHidden](#) [get, protected set]
Gets a value indicating this achievement is initially visible to users.

5.2.1 Detailed Description

An [VoxelBusters.NativePlugins.AchievementDescription](#) object holds text and images used to describe an [VoxelBusters.NativePlugins.Achievement](#).

5.2.2 Member Function Documentation

5.2.2.1 abstract void [GetImageAsync](#) ([DownloadTexture.Completion_onCompletion](#)) [pure virtual]

Asynchronously loads the image.

Parameters

_onCompletion	Callback to be triggered after loading the image.
-------------------------------	---

5.2.3 Property Documentation

5.2.3.1 abstract string [Identifier](#) [get],[protected set]

Gets the identifier of [VoxelBusters.NativePlugins.Achievement](#).

A string used to uniquely identify the specific [VoxelBusters.NativePlugins.Achievement](#) object refers to.

5.2.3.2 abstract string [Title](#) [get],[protected set]

Gets the title for the [VoxelBusters.NativePlugins.Achievement](#).

The title for the [VoxelBusters.NativePlugins.Achievement](#).

5.2.3.3 abstract string [AchievedDescription](#) [get],[protected set]

Gets the description to be used when the [VoxelBusters.NativePlugins.LocalUser](#) has completed the achievement.

A description to be used after the [VoxelBusters.NativePlugins.LocalUser](#) has completed the achievement.

5.2.3.4 abstract string [UnachievedDescription](#) [get],[protected set]

Gets the description to be used when the [VoxelBusters.NativePlugins.LocalUser](#) has not completed the achievement.

A description to be used when the [VoxelBusters.NativePlugins.LocalUser](#) has not completed the achievement.

5.2.3.5 abstract int MaximumPoints [get],[protected set]

Gets the maximum point that user needs to earn to complete this achievement.

The maximum point that user needs to earn to complete this achievement.

5.2.3.6 abstract bool IsHidden [get],[protected set]

Gets a value indicating this achievement is initially visible to users.

true if this achievement is initially hidden; otherwise, false.

5.3 AddressBook

Address Book provides access to a centralized contacts database.

Inherits MonoBehaviour, and MonoBehaviour.

Public Member Functions

- virtual [eABAuthorizationStatus](#) [GetAuthorizationStatus](#) ()
Get status of the app's access to contact data.
- virtual void [ReadContacts](#) ([ReadContactsCompletion](#) _onCompletion)
Request to fetch the contacts.
- delegate void [ReadContactsCompletion](#) ([eABAuthorizationStatus](#) _authorizationStatus, [AddressBook](#)↔
[Contact](#)[] _contactList)
Use this delegate type to get callback when reading contacts information completes.

5.3.1 Detailed Description

Address Book provides access to a centralized contacts database.

Provides access to get First Name, Last Name , Contact Picture, Phone numbers and Email ID list details for each contact.

5.3.2 Member Function Documentation

5.3.2.1 virtual eABAuthorizationStatus GetAuthorizationStatus () [virtual]

Get status of the app's access to contact data.

Returns

The authorization status.

5.3.2.2 virtual void ReadContacts ([ReadContactsCompletion](#) _onCompletion) [virtual]

Request to fetch the contacts.

Parameters

<code>_onCompletion</code>	Callback triggered once reading contacts is finished.
----------------------------	---

5.3.2.3 `delegate void ReadContactsCompletion (eABAuthorizationStatus _authorizationStatus, AddressBookContact[] _contactList)`

Use this delegate type to get callback when reading contacts information completes.

Parameters

<code>_authorizationStatus</code>	Authorization status for address book access .
<code>_contactList</code>	List of contacts read from address book database.

5.4 AddressBookContact

Data container for each contact detail.

Public Member Functions

- [AddressBookContact](#) ()
Initializes a new instance of the [AddressBookContact](#) class.
- [AddressBookContact](#) ([AddressBookContact](#) _source)
Initializes a new instance of the [AddressBookContact](#) class by details from _source.
- void [GetImageAsync](#) (DownloadTexture.Completion _onCompletion)
Helper for getting Texture from image path.
- override string [ToString](#) ()
String representation of [AddressBookContact](#).

Properties

- string [FirstName](#) [get, protected set]
First Name of the contact.
- string [LastName](#) [get, protected set]
Last Name of the contact.
- string [ImagePath](#) [get, protected set]
Absolute image path of the contact.
- List< string > [PhoneNumberList](#) [get, protected set]
List of phone numbers in this contact.
- List< string > [EmailIDList](#) [get, protected set]
List of Email ID's in this contact.

5.4.1 Detailed Description

Data container for each contact detail.

5.4.2 Constructor & Destructor Documentation

5.4.2.1 AddressBookContact ()

Initializes a new instance of the [AddressBookContact](#) class.

5.4.2.2 AddressBookContact (AddressBookContact _source)

Initializes a new instance of the [AddressBookContact](#) class by details from _source.

Parameters

<code>_source</code>	Source to copy from.
----------------------	----------------------

5.4.3 Member Function Documentation

5.4.3.1 void GetImageAsync (DownloadTexture.Completion _onCompletion)

Helper for getting Texture from image path.

Parameters

<code>_onCompletion</code>	Callback to be triggered after downloading the image.
----------------------------	---

5.4.3.2 override string ToString ()

String representation of [AddressBookContact](#).

5.4.4 Property Documentation

5.4.4.1 string FirstName [get],[protected set]

First Name of the contact.

5.4.4.2 string LastName [get],[protected set]

Last Name of the contact.

5.4.4.3 string ImagePath [get],[protected set]

Absolute image path of the contact.

5.4.4.4 List<string> PhoneNumberList [get],[protected set]

List of phone numbers in this contact.

5.4.4.5 List<string> EmailIDList [get],[protected set]

List of Email ID's in this contact.

5.5 GameServicesSettings.AndroidSettings

Game Services Settings specific to Android platform.

Properties

- string [PlayServicesApplicationID](#) [get, set]
Gets or sets the application ID.
- string[] [AchievedDescriptionFormats](#) [get, set]
Gets or sets the achievement description format.

5.5.1 Detailed Description

Game Services Settings specific to Android platform.

5.5.2 Property Documentation

5.5.2.1 string PlayServicesApplicationID [get], [set]

Gets or sets the application ID.

Contains Application ID used for accessing Google Play Game Services. /value>

5.5.2.2 string[] AchievedDescriptionFormats [get], [set]

Gets or sets the achievement description format.

Allows to set different formats for achieved description text. /value>

5.6 MediaLibrarySettings.AndroidSettings

Media Library Settings specific to Android platform.

Properties

- string [YoutubeAPIKey](#) [get, set]
Gets or sets the youtube API key.

5.6.1 Detailed Description

Media Library Settings specific to Android platform.

5.6.2 Property Documentation

5.6.2.1 string YoutubeAPIKey [get], [set]

Gets or sets the youtube API key.

The youtube API key.

For more information, please check <https://developers.google.com/youtube/v3/>.

5.7 BillingSettings.AndroidSettings

Billing Settings specific to Android platform.

5.7.1 Detailed Description

Billing Settings specific to Android platform.

5.8 NetworkConnectivitySettings.AndroidSettings

Network Connectivity Settings specific to Android Editor.

Properties

- int **TimeOutPeriod** [get, set]
Gets or sets the time out period.
- int **MaxRetryCount** [get, set]
Gets or sets the max retry count, whenever polling fails.
- float **TimeGapBetweenPolling** [get, set]
Gets or sets the time gap between successive polling.

5.8.1 Detailed Description

Network Connectivity Settings specific to Android Editor.

5.8.2 Property Documentation

5.8.2.1 int TimeOutPeriod [get], [set]

Gets or sets the time out period.

The time out period.

5.8.2.2 int MaxRetryCount [get], [set]

Gets or sets the max retry count, whenever polling fails.

The max retry count.

5.8.2.3 float TimeGapBetweenPolling [get], [set]

Gets or sets the time gap between successive polling.

The time gap between polling.

5.9 NotificationServiceSettings.AndroidSettings

Notification Service Settings specific to Android platform.

Properties

- string[] [SenderIdList](#) [get, set]
Gets or sets the sender identifier list.
- Texture2D [WhiteSmallIcon](#) [get, set]
This texture will be used for showing small icon in notification.
- Texture2D [ColouredSmallIcon](#) [get, set]
This texture will be used for showing small icon in notification.
- string [TickerTextKey](#) [get, set]
Gets or sets the ticker text key.
- string [ContentTitleKey](#) [get, set]
Gets or sets the content title key.
- string [ContentTextKey](#) [get, set]
Gets or sets the content text key.
- string [UserInfoKey](#) [get, set]
Gets or sets the user info key.
- string [TagKey](#) [get, set]
Gets or sets the tag key.

5.9.1 Detailed Description

Notification Service Settings specific to Android platform.

5.9.2 Property Documentation

5.9.2.1 string[] [SenderIdList](#) [get], [set]

Gets or sets the sender identifier list.

Contains list of sender ids.

Note

Sender ID list is required to receive Remote Notifications. Please check in Google Play Developer Console, select your application -> SERVICES & APIS -> GOOGLE CLOUD MESSAGING section. /value>

5.9.2.2 Texture2D [WhiteSmallIcon](#) [get], [set]

This texture will be used for showing small icon in notification.

Android L devices will use this as icon in notifications.

5.9.2.3 Texture2D [ColouredSmallIcon](#) [get], [set]

This texture will be used for showing small icon in notification.

Android L devices will use this as icon in notifications.

5.9.2.4 string [TickerTextKey](#) [get], [set]

Gets or sets the ticker text key.

Custom ticker text key used for remote notifications.

5.9.2.5 string ContentTitleKey [get], [set]

Gets or sets the content title key.

Custom content title key used for remote notifications.

5.9.2.6 string ContentTextKey [get], [set]

Gets or sets the content text key.

Custom content text key used in remote notifications.

5.9.2.7 string UserInfoKey [get], [set]

Gets or sets the user info key.

[User](#) info key where user can add custom data and retrieve back with UserInfo variable of [CrossPlatformNotification](#).

5.9.2.8 string TagKey [get], [set]

Gets or sets the tag key.

The Tag key used in remote notifications. Specifying uniquely can avoid overwriting previous notification displayed.

5.10 ApplicationSettings

Application Settings provides interface to configure properties related to this application.

Properties

- bool [IsDebugMode](#) [get]
Gets a value indicating whether Native plugin is in debug mode.
- iOSSettings [IOS](#) [get, set]
Gets or sets the Application Settings specific to iOS platform.
- AndroidSettings [Android](#) [get, set]
Gets or sets the Application Settings specific to Android platform.
- string [StoreIdentifier](#) [get]
Gets the store identifier for current build platform.

5.10.1 Detailed Description

Application Settings provides interface to configure properties related to this application.

5.10.2 Property Documentation

5.10.2.1 bool IsDebugMode [get]

Gets a value indicating whether Native plugin is in debug mode.

true if this instance is debug mode; otherwise, false.

5.10.2.2 `iOSSettings` `IOS` `[get]`, `[set]`

Gets or sets the Application Settings specific to iOS platform.

The Application Settings specific to iOS platform.

5.10.2.3 `AndroidSettings` `Android` `[get]`, `[set]`

Gets or sets the Application Settings specific to Android platform.

The Application Settings specific to Android platform.

5.10.2.4 `string` `StoreIdentifier` `[get]`

Gets the store identifier for current build platform.

The store identifier for current build platform.

5.11 Billing

[Billing](#) provides an unique interface to provide in-app purchases from within the application.

Inherits `MonoBehaviour`, and `MonoBehaviour`.

Public Member Functions

- virtual void [RequestForBillingProducts](#) (List< [BillingProduct](#) > _billingProducts)
Request details for given list of billing products.
- virtual bool [IsProductPurchased](#) (string _productID)
Check purchase status of specified billing product.
- virtual void [BuyProduct](#) (string _productID)
Buy the specified billing product.
- virtual void [RestoreCompletedTransactions](#) ()
Restores the previous non-consumable/Managed billing products that were purchased previously, if any.
- virtual void [CustomVerificationFinished](#) ([BillingTransaction](#) _transaction)
This adds the specified billing transaction to the inventory of purchased products.
- delegate void [BillingProductsRequestCompletion](#) (List< [BillingProduct](#) > _regProductsList, string _error)
Use this delegate type to get callback when products request is finished.
- delegate void [TransactionCompletion](#) (List< [BillingTransaction](#) > _finishedTransactions)
Use this delegate type to get callback when any transaction gets finished.

Events

- static [BillingProductsRequestCompletion](#) [BillingProductsRequestFinishedEvent](#)
Occurs when billing products request finished.
- static [TransactionCompletion](#) [TransactionFinishedEvent](#)
Occurs when transaction is finished and ready with a result. See [eBillingTransactionState](#) for the status of the transaction.

5.11.1 Detailed Description

[Billing](#) provides an unique interface to provide in-app purchases from within the application.

You can set the list of billing products you will use for billing in the NPSettings editor utility or can provide details of the products runtime.

5.11.2 Member Function Documentation

5.11.2.1 `virtual void RequestForBillingProducts (List< BillingProduct > _billingProducts) [virtual]`

Request details for given list of billing products.

Warning

Details of billing products needs to be fetched first with this method before purchasing any product.

Parameters

<code>_billingProducts</code>	List of billing products which needs details.
-------------------------------	---

5.11.2.2 `virtual bool IsProductPurchased (string _productID) [virtual]`

Check purchase status of specified billing product.

This works only for non-consumable/Managed billing products. For consumable, this always returns false.

Returns

`true` if the specified `_productID` is already purchased; otherwise, `false`.

Parameters

<code>_productID</code>	Product ID to check for purchase status.
-------------------------	--

5.11.2.3 `virtual void BuyProduct (string _productID) [virtual]`

Buy the specified billing product.

Note

`_productID` should already have billing product details ahead. see [RequestForBillingProducts](#) for getting the details.

Parameters

<code>_productID</code>	product identifier that needs to be purchased.
-------------------------	--

5.11.2.4 `virtual void RestoreCompletedTransactions () [virtual]`

Restores the previous non-consumable/Managed billing products that were purchased previously, if any.

Note

On Android, It internally sends consumable list at the start of [Billing](#) initialisation, but if you are initializing your products runtime(not from NPSettings), make sure you call `RequestBillingProducts` prior to this call. As, billing internally needs consumable list to be updated first for proper functionality.

5.11.2.5 virtual void CustomVerificationFinished (BillingTransaction _transaction) [virtual]

This adds the specified billing transaction to the inventory of purchased products.

Note

iOS has external validation option. So once external validation is done, this should be called with the transaction details. On Android this call has no effect as the products are internally verified and products will be updated internally right after the purchase.

Parameters

<code>_transaction</code>	Transaction instance thats updated with verification state after custom verification.
---------------------------	---

5.11.2.6 delegate void BillingProductsRequestCompletion (List< BillingProduct > _regProductsList, string _error)

Use this delegate type to get callback when products request is finished.

Parameters

<code>_regProductsList</code>	List of billing products with detailed information.
<code>_error</code>	Error description if request billing products fail.

5.11.2.7 delegate void TransactionCompletion (List< BillingTransaction > _finishedTransactions)

Use this delegate type to get callback when any transaction gets finished.

Parameters

<code>_finishedTransactions</code>	List of billing transactions. This can be multiple for restore purchases. Rest of the times it will be a single transaction.
------------------------------------	--

5.11.3 Event Documentation

5.11.3.1 BillingProductsRequestCompletion BillingProductsRequestFinishedEvent [static]

Occurs when billing products request finished.

5.11.3.2 TransactionCompletion TransactionFinishedEvent [static]

Occurs when transaction is finished and ready with a result. See [eBillingTransactionState](#) for the status of the transaction.

5.12 BillingProduct

This provides unique access to a product which is purchasable. This encloses details for accessing different properties of a in-app product.

Public Member Functions

- [BillingProduct Copy \(\)](#)
Copy this instance.
- override string [ToString \(\)](#)
Returns a System.String that represents the current BillingProduct.

Properties

- string [Name](#) [get, set]
Gets or sets the name of the product.
- string [Description](#) [get, set]
Gets or sets the description.
- bool [IsConsumable](#) [get, set]
Gets or sets a value indicating whether this billing product is consumable.
- float [Price](#) [get, set]
Gets or sets the price.
- string [LocalizedPrice](#) [get, set]
Gets or sets the localized price.
- string [ProductIdentifier](#) [get, protected set]
Gets or sets the product identifier.

5.12.1 Detailed Description

This provides unique access to a product which is purchasable. This encloses details for accessing different properties of a in-app product.

5.12.2 Member Function Documentation

5.12.2.1 [BillingProduct](#) Copy ()

Copy this instance.

5.12.2.2 override string ToString ()

Returns a System.String that represents the current [BillingProduct](#).

Returns

A System.String that represents the current [BillingProduct](#).

5.12.3 Property Documentation

5.12.3.1 string [Name](#) [get], [set]

Gets or sets the name of the product.

Name of the billing product. This is used only for reference or for display.

5.12.3.2 string [Description](#) [get], [set]

Gets or sets the description.

Description of the billing product

5.12.3.3 bool [IsConsumable](#) [get], [set]

Gets or sets a value indicating whether this billing product is consumable.

true if this billing product is consumable; otherwise, false.

5.12.3.4 float Price [get], [set]

Gets or sets the price.

Amount/value of this billing product in local currency.

5.12.3.5 string LocalizedPrice [get], [set]

Gets or sets the localized price.

Contains localized price of this product with local currency information.

5.12.3.6 string ProductIdentifier [get], [protected set]

Gets or sets the product identifier.

Hold identifier to uniquely identity this billing product.

5.13 BillingSettings

[Billing](#) Settings provides interface to configure properties related to native billing.

Classes

- class [AndroidSettings](#)
Billing Settings specific to Android platform.
- class [iOSSettings](#)
Billing Settings specific to iOS platform.

Properties

- List< [BillingProduct](#) > [Products](#) [get, set]
Gets or sets the billing products.
- [iOSSettings](#) [iOS](#) [get, set]
Gets or sets the [Billing](#) Settings specific to iOS platform.
- [AndroidSettings](#) [Android](#) [get, set]
Gets or sets the [Billing](#) Settings specific to Android platform.

5.13.1 Detailed Description

[Billing](#) Settings provides interface to configure properties related to native billing.

5.13.2 Property Documentation

5.13.2.1 List<BillingProduct> Products [get], [set]

Gets or sets the billing products.

The billing products.

5.13.2.2 **iOSSettings iOS** [get], [set]

Gets or sets the [Billing](#) Settings specific to iOS platform.

The [Billing](#) Settings specific to iOS platform.

5.13.2.3 **AndroidSettings Android** [get], [set]

Gets or sets the [Billing](#) Settings specific to Android platform.

The [Billing](#) Settings specific to Android platform.

5.14 **BillingTransaction**

Maintains transaction information for the purchased product.

Properties

- string [ProductIdIdentifier](#) [get, protected set]
Gets the product identifier.
- System.DateTime [TransactionDateUTC](#) [get, protected set]
Gets the transaction date in UTC time zone.
- System.DateTime [TransactionDateLocal](#) [get, protected set]
Gets the transaction date in local timezone.
- string [TransactionIdentifier](#) [get, protected set]
Gets the transaction identifier.
- string [TransactionReceipt](#) [get, protected set]
Gets or sets the transaction receipt.
- [eBillingTransactionState](#) [TransactionState](#) [get, protected set]
Gets the state of the transaction.
- [eBillingTransactionVerificationState](#) [VerificationState](#) [get, set]
Gets the state of the transaction verification.
- string [Error](#) [get, protected set]
Gets the error if transaction fails.
- string [RawPurchaseData](#) [get, protected set]
Gets the purchase data.

5.14.1 Detailed Description

Maintains transaction information for the purchased product.

5.14.2 Property Documentation

5.14.2.1 string [ProductIdIdentifier](#) [get], [protected set]

Gets the product identifier.

Product identifier which uniquely defines a billing product.

5.14.2.2 System.DateTime TransactionDateUTC [get],[protected set]

Gets the transaction date in UTC time zone.

Transaction date in universal time zone

5.14.2.3 System.DateTime TransactionDateLocal [get],[protected set]

Gets the transaction date in local timezone.

Transaction date in local time format

5.14.2.4 string TransactionIdentifier [get],[protected set]

Gets the transaction identifier.

Unique identifier to identify the transaction.

5.14.2.5 string TransactionReceipt [get],[protected set]

Gets or sets the transaction receipt.

Note

On iOS this alone is enough to validate a transaction. On Android along with this(signature), original json may be required if you need external validation.

Receipt used to validate this transaction.

5.14.2.6 eBillingTransactionState TransactionState [get],[protected set]

Gets the state of the transaction.

State of the transaction.

5.14.2.7 eBillingTransactionVerificationState VerificationState [get],[set]

Gets the state of the transaction verification.

Transaction verification state.

5.14.2.8 string Error [get],[protected set]

Gets the error if transaction fails.

Error description if any failure in the transaction happens.

5.14.2.9 string RawPurchaseData [get],[protected set]

Gets the purchase data.

The purchase data in raw format.

5.15 CrossPlatformNotification

Is a wrapper class to represent notifications that an application can schedule, handle and present.

Public Member Functions

- override string [ToString](#) ()
String representation of [CrossPlatformNotification](#).

Properties

- string [AlertBody](#) [get, set]
Gets or sets the message displayed in the notification alert.
- System.DateTime [FireDate](#) [get, set]
Gets or sets the date and time when the system should deliver the notification.
- [eNotificationRepeatInterval](#) [RepeatInterval](#) [get, set]
Gets or sets the interval at which to reschedule the notification.
- IDictionary [UserInfo](#) [get, set]
Gets or sets the dictionary for passing custom information to the notified application.
- iOSSpecificProperties [iOSProperties](#) [get, set]
Gets or sets the iOS platform specific notification properties
- AndroidSpecificProperties [AndroidProperties](#) [get, set]
Gets or sets the android platform specific notification properties.

5.15.1 Detailed Description

Is a wrapper class to represent notifications that an application can schedule, handle and present.

5.15.2 Member Function Documentation

5.15.2.1 override string ToString ()

String representation of [CrossPlatformNotification](#).

5.15.3 Property Documentation

5.15.3.1 string AlertBody [get], [set]

Gets or sets the message displayed in the notification alert.

The alert body.

5.15.3.2 System.DateTime FireDate [get], [set]

Gets or sets the date and time when the system should deliver the notification.

The fire date.

5.15.3.3 eNotificationRepeatInterval RepeatInterval [get], [set]

Gets or sets the interval at which to reschedule the notification.

The intervalinterval at which to reschedule the notification.

5.15.3.4 IDictionary UserInfo [get], [set]

Gets or sets the dictionary for passing custom information to the notified application.

The user info.

5.15.3.5 iOSSpecificProperties iOSProperties [get], [set]

Gets or sets the iOS platform specific notification properties

The iOS properties.

5.15.3.6 AndroidSpecificProperties AndroidProperties [get], [set]

Gets or sets the android platform specific notification properties.

The android properties.

5.16 NetworkConnectivitySettings.EditorSettings

Network Connectivity Settings specific to Unity Editor.

Properties

- int [TimeOutPeriod](#) [get, set]
Gets or sets the time out period.
- int [MaxRetryCount](#) [get, set]
Gets or sets the max retry count, whenever polling fails.
- float [TimeGapBetweenPolling](#) [get, set]
Gets or sets the time gap between successive polling.

5.16.1 Detailed Description

Network Connectivity Settings specific to Unity Editor.

5.16.2 Property Documentation

5.16.2.1 int TimeOutPeriod [get], [set]

Gets or sets the time out period.

The time out period.

5.16.2.2 int MaxRetryCount [get], [set]

Gets or sets the max retry count, whenever polling fails.

The max retry count.

5.16.2.3 float TimeGapBetweenPolling [get], [set]

Gets or sets the time gap between successive polling.

The time gap between polling.

5.17 GameServices

[VoxelBusters.NativePlugins.GameServices](#) object provides interface to social game features like [VoxelBusters.NativePlugins.Leaderboard](#), [VoxelBusters.NativePlugins.Achievement](#). It makes use of GameCenter for iOS and Google Play Services for Android.

Inherits MonoBehaviour, and MonoBehaviour.

Public Member Functions

- virtual bool [IsAvailable](#) ()
Determines whether [VoxelBusters.NativePlugins.GameServices](#) feature is supported in current platform.
- virtual [Leaderboard CreateLeaderboard](#) (string _leaderboardID)
Creates an instance of [VoxelBusters.NativePlugins.Leaderboard](#).
- virtual [Achievement CreateAchievement](#) (string _achievementID)
Creates an instance of [VoxelBusters.NativePlugins.Achievement](#).
- void [LoadAchievementDescriptions](#) (Action< [AchievementDescription](#)[]> _onCompletion)
Loads the achievement descriptions from game service server.
- virtual void [LoadAchievements](#) (Action< [Achievement](#)[]> _onCompletion)
Loads previously submitted achievement progress for the local player.
- virtual void [ReportProgress](#) (string _achievementID, int _pointsScored, Action< bool > _onCompletion)
Reports the player's progress for given [VoxelBusters.NativePlugins.Achievement](#) identifier.
- virtual void [LoadUsers](#) (string[] _userIDs, Action< [User](#)[]> _onCompletion)
Loads the user info from game service server.
- virtual void [ReportScore](#) (string _leaderboardID, long _score, Action< bool > _onCompletion)
Reports the score to game service server.
- virtual void [ShowDefaultAchievementCompletionBanner](#) (bool _canShow)
Show the default banner when [VoxelBusters.NativePlugins.Achievement](#) is completed.
- virtual void [ShowAchievementsUI](#) (GameServiceViewClosed _onCompletion)
Shows the default achievements [UI](#).
- virtual void [ShowLeaderboardUI](#) (string _leaderboardID, [eLeaderboardTimeScope](#) _timeScope, GameServiceViewClosed _onCompletion)
Show the leaderboard [UI](#) with a specific leaderboard shown initially with a specific time scope.

Properties

- virtual [LocalUser LocalUser](#) [get, protected set]
Gets or sets the shared instance of the local user.

5.17.1 Detailed Description

[VoxelBusters.NativePlugins.GameServices](#) object provides interface to social game features like [VoxelBusters.NativePlugins.Leaderboard](#), [VoxelBusters.NativePlugins.Achievement](#). It makes use of GameCenter for iOS and Google Play Services for Android.

5.17.2 Member Function Documentation

5.17.2.1 virtual bool IsAvailable () [virtual]

Determines whether [VoxelBusters.NativePlugins.GameServices](#) feature is supported in current platform.

Returns

`true` if this [VoxelBusters.NativePlugins.GameServices](#) is available; otherwise, `false`.

5.17.2.2 `virtual Leaderboard CreateLeaderboard (string _leaderboardID) [virtual]`

Creates an instance of [VoxelBusters.NativePlugins.Leaderboard](#).

Returns

An initialized [VoxelBusters.NativePlugins.Leaderboard](#) instance.

Parameters

<code>_leaderboardID</code>	A string used to uniquely identify the specific VoxelBusters.NativePlugins.Leaderboard object refers to.
-----------------------------	--

5.17.2.3 `virtual Achievement CreateAchievement (string _achievementID) [virtual]`

Creates an instance of [VoxelBusters.NativePlugins.Achievement](#).

Returns

An initialized [VoxelBusters.NativePlugins.Achievement](#) instance.

Parameters

<code>_achievementID</code>	A string used to uniquely identify the specific VoxelBusters.NativePlugins.Achievement object refers to.
-----------------------------	--

5.17.2.4 `void LoadAchievementDescriptions (Action< AchievementDescription[]> _onCompletion)`

Loads the achievement descriptions from game service server.

Parameters

<code>_onCompletion</code>	Callback to be called when request completes.
----------------------------	---

5.17.2.5 `virtual void LoadAchievements (Action< Achievement[]> _onCompletion) [virtual]`

Loads previously submitted achievement progress for the local player.

Parameters

<code>_onCompletion</code>	Callback to be called when the request is completed.
----------------------------	--

5.17.2.6 `virtual void ReportProgress (string _achievementID, int _pointsScored, Action< bool > _onCompletion) [virtual]`

Reports the player's progress for given [VoxelBusters.NativePlugins.Achievement](#) identifier.

Parameters

<code>_achievementID</code>	A string used to uniquely identify the specific VoxelBusters.NativePlugins.Achievement object refers to.
<code>_pointsScored</code>	Value indicates how far the player has progressed.
<code>_onCompletion</code>	Callback to be called when operation is completed.

5.17.2.7 `virtual void LoadUsers (string[] _userIDs, Action< User[]> _onCompletion) [virtual]`

Loads the user info from game service server.

Parameters

<code>_userIDs</code>	Array of id's whose information needs to be loaded.
<code>_onCompletion</code>	Callback to be called when operation is completed.

5.17.2.8 `virtual void ReportScore (string _leaderboardID, long _score, Action< bool > _onCompletion) [virtual]`

Reports the score to game service server.

Parameters

<code>_leaderboardID</code>	A string used to uniquely identify the specific VoxelBusters.NativePlugins.Leaderboard object refers to.
<code>_score</code>	The score earned by VoxelBusters.NativePlugins.LocalUser
<code>_onCompletion</code>	Callback to be called when operation is completed.

5.17.2.9 `virtual void ShowDefaultAchievementCompletionBanner (bool _canShow) [virtual]`

Show the default banner when [VoxelBusters.NativePlugins.Achievement](#) is completed.

Parameters

<code>_canShow</code>	If set to <code>true</code> default banner is showed on achievement completion.
-----------------------	---

5.17.2.10 `virtual void ShowAchievementsUI (GameServiceViewClosed _onCompletion) [virtual]`

Shows the default achievements [UI](#).

Parameters

<code>_onCompletion</code>	Callback called when Achievements view is closed.
----------------------------	---

5.17.2.11 `virtual void ShowLeaderboardUI (string _leaderboardID, eLeaderboardTimeScope _timeScope, GameServiceViewClosed _onCompletion) [virtual]`

Show the leaderboard [UI](#) with a specific leaderboard shown initially with a specific time scope.

Parameters

<code>_leaderboardID</code>	A string used to uniquely identify the specific VoxelBusters.NativePlugins.Leaderboard object refers to.
-----------------------------	--

<code>_timeScope</code>	Time scope initially used while showing leaderboard UI .
<code>_onCompletion</code>	Callback called when Leaderboard view is closed.

5.17.3 Property Documentation

5.17.3.1 virtual LocalUser LocalUser [get], [protected set]

Gets or sets the shared instance of the local user.

Retrieves the shared instance of the local user.

5.18 GameServicesSettings

Game Services Settings provides interface to configure properties related to Game Services.

Classes

- class [AndroidSettings](#)
Game Services Settings specific to Android platform.

Properties

- [AndroidSettings Android](#) [get, set]
Gets or sets the Game Services Settings specific to Android platform.

5.18.1 Detailed Description

Game Services Settings provides interface to configure properties related to Game Services.

5.18.2 Property Documentation

5.18.2.1 AndroidSettings Android [get], [set]

Gets or sets the Game Services Settings specific to Android platform.

The android.

5.19 BillingSettings.iOSSettings

[Billing](#) Settings specific to iOS platform.

Properties

- bool [SupportsReceiptValidation](#) [get, set]
Gets or sets a value indicating whether [Billing](#) supports receipt validation.
- bool [ValidateUsingAppleServer](#) [get, set]
Gets or sets a value indicating whether [BillingTransaction](#) is validated using apple server or custom server.
- string [ValidateUsingServerURL](#) [get, set]
Gets or sets the server URL used for [BillingTransaction](#) receipt validation.

5.19.1 Detailed Description

[Billing](#) Settings specific to iOS platform.

5.19.2 Property Documentation

5.19.2.1 `bool SupportsReceiptValidation` `[get]`, `[set]`

Gets or sets a value indicating whether [Billing](#) supports receipt validation.

`true` if supports receipt validation; otherwise, `false`.

5.19.2.2 `bool ValidateUsingAppleServer` `[get]`, `[set]`

Gets or sets a value indicating whether [BillingTransaction](#) is validated using apple server or custom server.

`true` if validate using apple server; otherwise, `false`.

5.19.2.3 `string ValidateUsingServerURL` `[get]`, `[set]`

Gets or sets the server URL used for [BillingTransaction](#) receipt validation.

The validate [BillingTransaction](#) receipt using server URL.

Incase if you dont want to use Apple itunes server for receipt validation, then specify the URL that will used for validating transaction receipts.

5.20 NotificationServiceSettings.iOSSettings

Notification Service Settings specific to iOS platform.

Properties

- `string UserInfoKey` `[get]`, `[set]`

Gets or sets the key used to access user data within notification payload.

5.20.1 Detailed Description

Notification Service Settings specific to iOS platform.

5.20.2 Property Documentation

5.20.2.1 `string UserInfoKey` `[get]`, `[set]`

Gets or sets the key used to access user data within notification payload.

The user info key.

5.21 Leaderboard

[VoxelBusters.NativePlugins.Leaderboard](#) object is used to read data from a leaderboard stored on game service servers i.e, Game Center for iOS, Google Play Services for Android.

Public Member Functions

- delegate void [LoadScoreCompletion](#) ([Score](#)[] _scores, [Score](#) _localUserScore)
Gets the local user score.
- abstract void [LoadTopScores](#) ([LoadScoreCompletion](#) _onCompletion)
Asynchronously loads the top scores.
- abstract void [LoadPlayerCenteredScores](#) ([LoadScoreCompletion](#) _onCompletion)
Asynchronously loads the player-centered scores.
- abstract void [LoadMoreScores](#) ([eLeaderboardPageDirection](#) _pageDirection, [LoadScoreCompletion](#) _onCompletion)
Asynchronously loads an additional score data.

Properties

- abstract string [Identifier](#) [get, protected set]
Gets the identifier of [VoxelBusters.NativePlugins.Leaderboard](#).
- abstract string [Title](#) [get, protected set]
Gets the title for the [VoxelBusters.NativePlugins.Leaderboard](#).
- abstract [eLeaderboardUserScope](#) [UserScope](#) [get, set]
Gets or sets the value of user based filter mode.
- abstract [eLeaderboardTimeScope](#) [TimeScope](#) [get, set]
Gets or sets the value of time based filter mode.
- int [MaxResults](#) [get, set]
Gets or sets the max [VoxelBusters.NativePlugins.Score](#) results that has to be fetched from search.
- abstract [Score](#)[] [Scores](#) [get, protected set]
Gets the array of [VoxelBusters.NativePlugins.Score](#) returned by search.
- abstract [Score](#) [LocalUserScore](#) [get, protected set]
Gets the [VoxelBusters.NativePlugins.Score](#) earned by the [VoxelBusters.NativePlugins.LocalUser](#).

5.21.1 Detailed Description

[VoxelBusters.NativePlugins.Leaderboard](#) object is used to read data from a leaderboard stored on game service servers i.e, Game Center for iOS, Google Play Services for Android.

5.21.2 Member Function Documentation

5.21.2.1 delegate void [LoadScoreCompletion](#) ([Score](#)[] _scores, [Score](#) _localUserScore)

Gets the local user score.

5.21.2.2 abstract void [LoadTopScores](#) ([LoadScoreCompletion](#) _onCompletion) [pure virtual]

Asynchronously loads the top scores.

Parameters

_onCompletion	Callback to be called when score results are retrieved from the game service server.
-------------------------------	--

5.21.2.3 abstract void [LoadPlayerCenteredScores](#) ([LoadScoreCompletion](#) _onCompletion) [pure virtual]

Asynchronously loads the player-centered scores.

Parameters

<code>_onCompletion</code>	Callback to be called when score results are retrieved from the game service server.
----------------------------	--

5.21.2.4 **abstract void LoadMoreScores ([eLeaderboardPageDirection](#) `_pageDirection`, [LoadScoreCompletion](#) `_onCompletion`)** `[pure virtual]`

Asynchronously loads an additional score data.

Parameters

<code>_pageDirection</code>	The direction of pagination.
<code>_onCompletion</code>	Callback to be called when score results are retrieved from the game service server.

5.21.3 Property Documentation

5.21.3.1 **abstract string Identifier** `[get], [protected set]`

Gets the identifier of [VoxelBusters.NativePlugins.Leaderboard](#).

The identifier of [VoxelBusters.NativePlugins.Leaderboard](#).

5.21.3.2 **abstract string Title** `[get], [protected set]`

Gets the title for the [VoxelBusters.NativePlugins.Leaderboard](#).

The title for the [VoxelBusters.NativePlugins.Leaderboard](#).

5.21.3.3 **abstract [eLeaderboardUserScope](#) UserScope** `[get], [set]`

Gets or sets the value of user based filter mode.

A filter used to restrict the search to a subset of the users.

5.21.3.4 **abstract [eLeaderboardTimeScope](#) TimeScope** `[get], [set]`

Gets or sets the value of time based filter mode.

A filter used to restrict the search to scores that were posted within a specific period of time.

5.21.3.5 **int MaxResults** `[get], [set]`

Gets or sets the max [VoxelBusters.NativePlugins.Score](#) results that has to be fetched from search.

The max [VoxelBusters.NativePlugins.Score](#) results that has to be fetched from search.

5.21.3.6 **abstract [Score](#) [] Scores** `[get], [protected set]`

Gets the array of [VoxelBusters.NativePlugins.Score](#) returned by search.

The array of [VoxelBusters.NativePlugins.Score](#) returned by search.

5.21.3.7 **abstract [Score](#) LocalUserScore** `[get], [protected set]`

Gets the [VoxelBusters.NativePlugins.Score](#) earned by the [VoxelBusters.NativePlugins.LocalUser](#).

The [VoxelBusters.NativePlugins.Score](#) earned by the [VoxelBusters.NativePlugins.LocalUser](#).

5.22 LocalUser

The [VoxelBusters.NativePlugins.LocalUser](#) class is a special subclass of [VoxelBusters.NativePlugins.User](#) that represents the authenticated user running your game on the device. At any given time, only one user may be authenticated on the device.

Inherits [User](#).

Public Member Functions

- virtual void [Authenticate](#) (Action< bool > _onCompletion)
Method call to process an authentication-related event.
- abstract void [LoadFriends](#) (Action< [User](#)[]> _onCompletion)
Retrieves friends info of the [VoxelBusters.NativePlugins.LocalUser](#).
- abstract void [GetImageAsync](#) (DownloadTexture.Completion _onCompletion)
Asynchronously loads the image.

Properties

- abstract bool [IsAuthenticated](#) [get, protected set]
Gets a value indicating whether this [VoxelBusters.NativePlugins.LocalUser](#) is currently signed in or not.
- abstract [User](#)[] [Friends](#) [get, protected set]
Gets the friends info of [VoxelBusters.NativePlugins.LocalUser](#).
- abstract string [Identifier](#) [get, protected set]
Gets the identifier for this [VoxelBusters.NativePlugins.User](#).
- abstract string [Name](#) [get, protected set]
Gets the name for this [VoxelBusters.NativePlugins.User](#).

5.22.1 Detailed Description

The [VoxelBusters.NativePlugins.LocalUser](#) class is a special subclass of [VoxelBusters.NativePlugins.User](#) that represents the authenticated user running your game on the device. At any given time, only one user may be authenticated on the device.

5.22.2 Member Function Documentation

5.22.2.1 virtual void Authenticate (Action< bool > _onCompletion) [virtual]

Method call to process an authentication-related event.

Parameters

_onCompletion	Callback to be called when request completes.
-------------------------------	---

5.22.2.2 abstract void LoadFriends (Action< [User](#)[]> _onCompletion) [pure virtual]

Retrieves friends info of the [VoxelBusters.NativePlugins.LocalUser](#).

Parameters

<code>_onCompletion</code>	Callback to be called when request completes.
----------------------------	---

5.22.2.3 `abstract void GetImageAsync (DownloadTexture.Completion _onCompletion)` `[pure virtual]`,
`[inherited]`

Asynchronously loads the image.

Parameters

<code>_onCompletion</code>	Callback to be triggered after loading the image.
----------------------------	---

5.22.3 Property Documentation

5.22.3.1 `abstract bool IsAuthenticated` `[get]`, `[protected set]`

Gets a value indicating whether this [VoxelBusters.NativePlugins.LocalUser](#) is currently signed in or not.

States whether [VoxelBusters.NativePlugins.LocalUser](#) is currently signed in or not.

5.22.3.2 `abstract User[] Friends` `[get]`, `[protected set]`

Gets the friends info of [VoxelBusters.NativePlugins.LocalUser](#).

The friends info of [VoxelBusters.NativePlugins.LocalUser](#).

5.22.3.3 `abstract string Identifier` `[get]`, `[protected set]`, `[inherited]`

Gets the identifier for this [VoxelBusters.NativePlugins.User](#).

A string assigned to uniquely identify a [VoxelBusters.NativePlugins.User](#).

5.22.3.4 `abstract string Name` `[get]`, `[protected set]`, `[inherited]`

Gets the name for this [VoxelBusters.NativePlugins.User](#).

Display name chosen by [VoxelBusters.NativePlugins.User](#) to identify themselves to other players.

5.23 MediaLibrary

Media library provides an unique way to access devices's media gallery and camera for picking images and playing videos.

Inherits `MonoBehaviour`, and `MonoBehaviour`.

Public Member Functions

- virtual bool [IsCameraSupported](#) ()
Determines if camera is supported.
- virtual void [PickImage](#) ([eImageSource](#) _source, float _scaleFactor, [PickImageCompletion](#) _onCompletion)
Picks the image.
- void [SaveScreenshotToGallery](#) ([SaveImageToGalleryCompletion](#) _onCompletion)
Saves the screenshot to gallery/media library of the users device.

- void [SaveImageToGallery](#) (URL _URL, [SaveImageToGalleryCompletion](#) _onCompletion)
Saves an image from the specified url to gallery/media library of the users device.
- void [SaveImageToGallery](#) (Texture2D _texture, [SaveImageToGalleryCompletion](#) _onCompletion)
Saves the specified texture to gallery.
- virtual void [SaveImageToGallery](#) (byte[] _imageByteArray, [SaveImageToGalleryCompletion](#) _onCompletion)
Saves the specified image data source to gallery.
- virtual void [PlayYoutubeVideo](#) (string _videoID, [PlayVideoCompletion](#) _onCompletion)
Plays youtube video for the corresponding video id specified.
- virtual void [PlayEmbeddedVideo](#) (string _embedHTMLString, [PlayVideoCompletion](#) _onCompletion)
Plays embedded video using web view.
- virtual void [PlayVideoFromURL](#) (URL _URL, [PlayVideoCompletion](#) _onCompletion)
Play video from specified URL. This can be an URL pointing to local/remote file.
- virtual void [PlayVideoFromGallery](#) ([PickVideoCompletion](#) _onPickVideoCompletion, [PlayVideoCompletion](#) ↔ _onPlayVideoCompletion)
Allows to pick a video from gallery and play it.
- delegate void [PickImageCompletion](#) ([ePickImageFinishReason](#) _reason, Texture2D _image)
Use this delegate type to get callback when pick image action is done. Check _reason for success or failure. If successful, returns the texture of picked image.
- delegate void [SaveImageToGalleryCompletion](#) (bool _savedSuccessfully)
Use this delegate type to get callback when image is saved to gallery.
- delegate void [PickVideoCompletion](#) ([ePickVideoFinishReason](#) _reason)
Use this delegate type to get callback when pick video action is done. Check _reason for success or failure.
- delegate void [PlayVideoCompletion](#) ([ePlayVideoFinishReason](#) _reason)
Use this delegate type to get callback when play video action is done. Check _reason for success or failure.

5.23.1 Detailed Description

Media library provides an unique way to access devices's media gallery and camera for picking images and playing videos.

5.23.2 Member Function Documentation

5.23.2.1 virtual bool IsCameraSupported () [virtual]

Determines if camera is supported.

Returns

true if camera is supported; otherwise, false.

5.23.2.2 virtual void PickImage (eImageSource _source, float _scaleFactor, PickImageCompletion _onCompletion) [virtual]

Picks the image.

Parameters

<code>_source</code>	Specify from where you want to pick the image from. eImageSource
----------------------	--

<i>_scaleFactor</i>	Specify if scaled up or scaled down version of pick image is required. 1.0f returns the image with out any modification.
<i>_onCompletion</i>	Callback triggered once Pick from the source is finised.

5.23.2.3 void SaveScreenshotToGallery (SavelImageToGalleryCompletion *_onCompletion*)

Saves the screenshot to gallery/media library of the users device.

Parameters

<i>_onCompletion</i>	Callback triggered once save to gallery is done.
----------------------	--

5.23.2.4 void SavelImageToGallery (URL *_URL*, SavelImageToGalleryCompletion *_onCompletion*)

Saves an image from the specified url to gallery/media library of the users device.

Note

The path needs to be absolute path if its local file. Take care of the path on multiple platforms as the file structure will be different.

Parameters

<i>_URL</i>	URL to pick the source from. This can be a file url existing on local storage or a web url at remote location.
<i>_onCompletion</i>	Callback triggered once save to gallery is done.

5.23.2.5 void SavelImageToGallery (Texture2D *_texture*, SavelImageToGalleryCompletion *_onCompletion*)

Saves the specified texture to gallery.

Parameters

<i>_texture</i>	Texture that needs to be saved to gallery.
<i>_onCompletion</i>	Callback triggered once save to gallery is done.

5.23.2.6 virtual void SavelImageToGallery (byte[] *_imageByteArray*, SavelImageToGalleryCompletion *_onCompletion*) [virtual]

Saves the specified image data source to gallery.

Parameters

<i>_imageByte↵ Array</i>	image byte array to use as source.
<i>_onCompletion</i>	Callback triggered once save to gallery is done.

5.23.2.7 virtual void PlayYoutubeVideo (string *_videoID*, PlayVideoCompletion *_onCompletion*) [virtual]

Plays youtube video for the corresponding video id specified.

Parameters

<code>_videoID</code>	Video id of the youtube video.
<code>_onCompletion</code>	Callback triggered on completion or failure. see ePlayVideoFinishReason for status.

5.23.2.8 `virtual void PlayEmbeddedVideo (string _embedHTMLString, PlayVideoCompletion _onCompletion)`
`[virtual]`

Plays embedded video using web view.

Parameters

<code>_embedHTMLString</code>	Embed HTML string to load in the webview.
<code>_onCompletion</code>	Callback triggered on completion or failure. see ePlayVideoFinishReason for status.

5.23.2.9 `virtual void PlayVideoFromURL (URL _URL, PlayVideoCompletion _onCompletion)` `[virtual]`

Play video from specified URL. This can be an URL pointing to local/remote file.

Warning

This URL needs to point directly to the video. Direct video link ex: www.voxelbusters.com/movie.mp4

Parameters

<code>_URL</code>	URL of the video to play.
<code>_onCompletion</code>	Callback triggered on completion or failure. see ePlayVideoFinishReason for status.

5.23.2.10 `virtual void PlayVideoFromGallery (PickVideoCompletion _onPickVideoCompletion, PlayVideoCompletion _onPlayVideoCompletion)` `[virtual]`

Allows to pick a video from gallery and play it.

Parameters

<code>_onPickVideoCompletion</code>	Triggered once pick video action is done.
<code>_onPlayVideoCompletion</code>	Callback triggered on completion or failure. see ePlayVideoFinishReason for status.

5.23.2.11 `delegate void PickImageCompletion (ePickImageFinishReason _reason, Texture2D _image)`

Use this delegate type to get callback when pick image action is done. Check `_reason` for success or failure. If successful, returns the texture of picked image.

5.23.2.12 `delegate void SaveImageToGalleryCompletion (bool _savedSuccessfully)`

Use this delegate type to get callback when image is saved to gallery.

5.23.2.13 `delegate void PickVideoCompletion (ePickVideoFinishReason _reason)`

Use this delegate type to get callback when pick video action is done. Check `_reason` for success or failure.

5.23.2.14 delegate void PlayVideoCompletion (ePlayVideoFinishReason _reason)

Use this delegate type to get callback when play video action is done. Check _reason for success or failure.

5.24 MediaLibrarySettings

Media Library Settings provides interface to configure properties related to native media library.

Classes

- class [AndroidSettings](#)
Media Library Settings specific to Android platform.

Properties

- [AndroidSettings Android](#) [get, set]
Gets or sets the Media Library Settings specific to Android platform.

5.24.1 Detailed Description

Media Library Settings provides interface to configure properties related to native media library.

5.24.2 Property Documentation

5.24.2.1 [AndroidSettings Android](#) [get], [set]

Gets or sets the Media Library Settings specific to Android platform.

The android.

5.25 NetworkConnectivity

Check if the device is connected to internet.

Inherits MonoBehaviour, and MonoBehaviour.

Public Member Functions

- virtual void [Initialise](#) ()
Initialise Network reachability checking.
- delegate void [NetworkConnectivityChanged](#) (bool _isConnected)
Use this delegate type to get callback when any network connectivity change is detected.

Properties

- bool [IsConnected](#) [get, protected set]
Gets a value indicating whether network is connected.

Events

- static [NetworkConnectivityChanged](#) [NetworkConnectivityChangedEvent](#)
Occurs when network connectivity status changes.

5.25.1 Detailed Description

Check if the device is connected to internet.

5.25.2 Member Function Documentation

5.25.2.1 virtual void Initialise () [virtual]

Initialise Network reachability checking.

This starts checking if IP Address psecified in the connectivity settings is reachable or not and delivers events.

5.25.2.2 delegate void NetworkConnectivityChanged (bool *_isConnected*)

Use this delegate type to get callback when any network connectivity change is detected.

Parameters

<i>_isConnected</i>	true when network is connected to internet, else false.
---------------------	---

5.25.3 Property Documentation

5.25.3.1 bool IsConnected [get], [protected set]

Gets a value indicating whether network is connected.

true if network is connected; otherwise, false.

5.25.4 Event Documentation

5.25.4.1 NetworkConnectivityChanged NetworkConnectivityChangedEvent [static]

Occurs when network connectivity status changes.

5.26 NetworkConnectivitySettings

Network Connectivity Settings provides interface to configure properties related to network connectivity.

Classes

- class [AndroidSettings](#)
Network Connectivity Settings specific to Android Editor.
- class [EditorSettings](#)
Network Connectivity Settings specific to Unity Editor.

Properties

- string [IPAddress](#) [get, set]
Gets or sets the IP Address. IP Address is used to check connectivity.
- [EditorSettings Editor](#) [get, set]
Gets or sets the Network Connectivity Settings specific to Unity Editor.
- [AndroidSettings Android](#) [get, set]
Gets or sets the Network Connectivity Settings specific to Android platform.

5.26.1 Detailed Description

Network Connectivity Settings provides interface to configure properties related to network connectivity.

5.26.2 Property Documentation

5.26.2.1 string [IPAddress](#) [get], [set]

Gets or sets the IP Address. IP Address is used to check connectivity.

Address to check reachability.

5.26.2.2 [EditorSettings Editor](#) [get], [set]

Gets or sets the Network Connectivity Settings specific to Unity Editor.

The android.

5.26.2.3 [AndroidSettings Android](#) [get], [set]

Gets or sets the Network Connectivity Settings specific to Android platform.

The android.

5.27 NotificationService

Used for scheduling, registering and handling both local and remote notifications.

Inherits MonoBehaviour, and MonoBehaviour.

Public Member Functions

- virtual void [RegisterNotificationTypes](#) ([NotificationType](#) _notificationTypes)
Apps that use either local or remote notifications must register the types of notifications they intend to deliver.
- virtual string [ScheduleLocalNotification](#) ([CrossPlatformNotification](#) _notification)
Schedules a local notification.
- virtual void [CancelLocalNotification](#) (string _notificationID)
Cancels the delivery of the specified scheduled local notification.
- virtual void [CancelAllLocalNotification](#) ()
Cancels the delivery of all scheduled local notification.
- virtual void [ClearNotifications](#) ()
Discards all received notifications.
- virtual void [RegisterForRemoteNotifications](#) ()

Register to receive remote notifications via Push Notification service.

- virtual void [UnregisterForRemoteNotifications](#) ()

Unregister for all remote notifications received via Push Notification service.

- delegate void [RegisterForRemoteNotificationCompletion](#) (string _deviceToken, string _error)

Use this delegate type to get callback when app finishes registering with Push Notification service.

- delegate void [ReceivedNotificationResponse](#) ([CrossPlatformNotification](#) _notification)

Use this delegate type to get callback when app receives a notification.

Events

- static [RegisterForRemoteNotificationCompletion](#) [DidFinishRegisterForRemoteNotificationEvent](#)

Occurs when app finishes registering with Push Notification service.

- static [ReceivedNotificationResponse](#) [DidLaunchWithLocalNotificationEvent](#)

Occurs when app was launched by opening local notification.

- static [ReceivedNotificationResponse](#) [DidLaunchWithRemoteNotificationEvent](#)

Occurs when app was launched by opening remote notification.

- static [ReceivedNotificationResponse](#) [DidReceiveLocalNotificationEvent](#)

Occurs when app receives a local notification.

- static [ReceivedNotificationResponse](#) [DidReceiveRemoteNotificationEvent](#)

Occurs when app receives a remote notification.

5.27.1 Detailed Description

Used for scheduling, registering and handling both local and remote notifications.

5.27.2 Member Function Documentation

5.27.2.1 virtual void RegisterNotificationTypes (NotificationType _notificationTypes) [virtual]

Apps that use either local or remote notifications must register the types of notifications they intend to deliver.

Parameters

_notificationTypes	The notification types that your app supports.
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If your app displays alerts, play sounds, or badges its icon, you must call this method during your launch.

5.27.2.2 virtual string ScheduleLocalNotification (CrossPlatformNotification _notification) [virtual]

Schedules a local notification.

Returns

Notification ID that can be used to uniquely identify every scheduled notification.

Parameters

_notification	Notification to be scheduled.
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5.27.2.3 virtual void CancelLocalNotification (string _notificationID) [virtual]

Cancels the delivery of the specified scheduled local notification.

Parameters

<code>_notificationID</code>	Identifier for the scheduled notification to be cancelled.
------------------------------	--

5.27.2.4 `virtual void CancelAllLocalNotification () [virtual]`

Cancels the delivery of all scheduled local notification.

5.27.2.5 `virtual void ClearNotifications () [virtual]`

Discards all received notifications.

5.27.2.6 `virtual void RegisterForRemoteNotifications () [virtual]`

Register to receive remote notifications via Push Notification service.

5.27.2.7 `virtual void UnregisterForRemoteNotifications () [virtual]`

Unregister for all remote notifications received via Push Notification service.

5.27.2.8 `delegate void RegisterForRemoteNotificationCompletion (string _deviceToken, string _error)`

Use this delegate type to get callback when app finishes registering with Push Notification service.

Parameters

<code>_deviceToken</code>	The device token received after registering successfully. This will be nil if register fails with error.
<code>_error</code>	An error that details why registration failed.

5.27.2.9 `delegate void ReceivedNotificationResponse (CrossPlatformNotification _notification)`

Use this delegate type to get callback when app receives a notification.

Parameters

<code>_notification</code>	Received notification.
----------------------------	------------------------

5.27.3 Event Documentation

5.27.3.1 `RegisterForRemoteNotificationCompletion DidFinishRegisterForRemoteNotificationEvent [static]`

Occurs when app finishes registering with Push Notification service.

After you call the [RegisterForRemoteNotifications](#) method, the app calls this method when device registration completes successfully or when there is an error in the registration process. When registration completes successfully, connect with your push notification server and give the device token to it. Push notification server pushes notifications only to the device represented by the token.

5.27.3.2 `ReceivedNotificationResponse DidLaunchWithLocalNotificationEvent [static]`

Occurs when app was launched by opening local notification.

5.27.3.3 ReceivedNotificationResponse DidLaunchWithRemoteNotificationEvent [static]

Occurs when app was launched by opening remote notification.

5.27.3.4 ReceivedNotificationResponse DidReceiveLocalNotificationEvent [static]

Occurs when app receives a local notification.

5.27.3.5 ReceivedNotificationResponse DidReceiveRemoteNotificationEvent [static]

Occurs when app receives a remote notification.

5.28 NotificationServiceSettings

Notification Service Settings provides interface to configure properties related to notification.

Classes

- class [AndroidSettings](#)
Notification Service Settings specific to Android platform.
- class [iOSSettings](#)
Notification Service Settings specific to iOS platform.

Properties

- [iOSSettings iOS](#) [get, set]
Gets or sets the Notification Service Settings specific to iOS platform.
- [AndroidSettings Android](#) [get, set]
Gets or sets the Notification Service Settings specific to Android platform.

5.28.1 Detailed Description

Notification Service Settings provides interface to configure properties related to notification.

5.28.2 Property Documentation

5.28.2.1 iOSSettings iOS [get], [set]

Gets or sets the Notification Service Settings specific to iOS platform.

The i O.

5.28.2.2 AndroidSettings Android [get], [set]

Gets or sets the Notification Service Settings specific to Android platform.

The android.

5.29 RateMyApp

For getting user reviews, this class provides unique way to prompt user based on configured settings.

Inherits MonoBehaviour.

Public Member Functions

- void [AskForReview](#) ()
Checks if review prompt needs to be shown as per the settings done. This needs to be constantly called to check if conditions are met for showing a review prompt.
- void [AskForReviewNow](#) ()
Show review prompt now irrespective of settings.

5.29.1 Detailed Description

For getting user reviews, this class provides unique way to prompt user based on configured settings.

5.29.2 Member Function Documentation

5.29.2.1 void AskForReview ()

Checks if review prompt needs to be shown as per the settings done. This needs to be constantly called to check if conditions are met for showing a review prompt.

5.29.2.2 void AskForReviewNow ()

Show review prompt now irrespective of settings.

5.30 Score

[VoxelBusters.NativePlugins.Score](#) class holds information for a score that was earned by the [VoxelBusters.NativePlugins.User](#).

Public Member Functions

- abstract void [ReportScore](#) (Action< bool > _onCompletion)
Reports the score to game service server.

Properties

- abstract string [LeaderboardID](#) [get, protected set]
Gets the identifier of the leaderboard that the score is being sent to.
- abstract [User](#) [User](#) [get, protected set]
Gets the [VoxelBusters.NativePlugins.User](#) that earned the score.
- abstract long [Value](#) [get, set]
Gets the score earned by [VoxelBusters.NativePlugins.User](#).
- abstract DateTime [Date](#) [get, protected set]
Gets the date and time when score was earned.
- virtual string [FormattedValue](#) [get]

Gets the player's score as a formatted string.

- `abstract int Rank` `[get, protected set]`

Gets the position of the score in [VoxelBusters.NativePlugins.Leaderboard](#).

5.30.1 Detailed Description

[VoxelBusters.NativePlugins.Score](#) class holds information for a score that was earned by the [VoxelBusters.NativePlugins.User](#).

5.30.2 Member Function Documentation

5.30.2.1 `abstract void ReportScore (Action< bool > _onCompletion)` `[pure virtual]`

Reports the score to game service server.

Parameters

<code>_onCompletion</code>	Callback to be called when operation is completed.
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5.30.3 Property Documentation

5.30.3.1 `abstract string LeaderboardID` `[get], [protected set]`

Gets the identifier of the leaderboard that the score is being sent to.

Identifies the leaderboard that the score is being sent to.

5.30.3.2 `abstract User User` `[get], [protected set]`

Gets the [VoxelBusters.NativePlugins.User](#) that earned the score.

The [VoxelBusters.NativePlugins.User](#) that earned the score.

5.30.3.3 `abstract long Value` `[get], [set]`

Gets the score earned by [VoxelBusters.NativePlugins.User](#).

The score earned by [VoxelBusters.NativePlugins.User](#).

5.30.3.4 `abstract DateTime Date` `[get], [protected set]`

Gets the date and time when score was earned.

The date and time when score was earned.

5.30.3.5 `virtual string FormattedValue` `[get]`

Gets the player's score as a formatted string.

Returns the player's score as a formatted string.

5.30.3.6 abstract int Rank [get],[protected set]

Gets the position of the score in [VoxelBusters.NativePlugins.Leaderboard](#).

The position of the score in [VoxelBusters.NativePlugins.Leaderboard](#).

5.31 Sharing

[Sharing](#) gives access to different forms of sharing. Can share text or image with Social network, Mail, SMS, WhatsApp.

Inherits [MonoBehaviour](#), [MonoBehaviour](#), [MonoBehaviour](#), [MonoBehaviour](#), [MonoBehaviour](#), [MonoBehaviour](#), [MonoBehaviour](#), and [MonoBehaviour](#).

Public Member Functions

- void [ShareTextMessageOnSocialNetwork](#) (string _message, [SharingCompletion](#) _onCompletion)
Shares the text message on social network.
- void [ShareURLOnSocialNetwork](#) (string _message, string _URLString, [SharingCompletion](#) _onCompletion)
Shares the given URL string on social network.
- void [ShareScreenShotOnSocialNetwork](#) (string _message, [SharingCompletion](#) _onCompletion)
Shares the current screenshot on social network.
- void [ShareImageOnSocialNetwork](#) (string _message, Texture2D _texture, [SharingCompletion](#) _onCompletion)
Shares the image on social network.
- void [ShareImageOnSocialNetwork](#) (string _message, string _imagePath, [SharingCompletion](#) _onCompletion)
Shares the image on social network.
- void [ShareImageOnSocialNetwork](#) (string _message, byte[] _imageByteArray, [SharingCompletion](#) _onCompletion)
Shares the image on social network.
- void [ShareMessage](#) (string _message, [eShareOptions](#)[] _excludedOptions, [SharingCompletion](#) _onCompletion)
Shares the message.
- void [ShareURL](#) (string _message, string _URLString, [eShareOptions](#)[] _excludedOptions, [SharingCompletion](#) _onCompletion)
Shares the URL string.
- void [ShareScreenShot](#) (string _message, [eShareOptions](#)[] _excludedOptions, [SharingCompletion](#) _onCompletion)
Shares the current screenshot.
- void [ShareImage](#) (string _message, Texture2D _texture, [eShareOptions](#)[] _excludedOptions, [SharingCompletion](#) _onCompletion)
Shares the image.
- void [ShareImageAtPath](#) (string _message, string _imagePath, [eShareOptions](#)[] _excludedOptions, [SharingCompletion](#) _onCompletion)
Shares the image at path.
- void [Share](#) (string _message, string _URLString, byte[] _imageByteArray, [eShareOptions](#)[] _excludedOptions, [SharingCompletion](#) _onCompletion)
Share message , URL or image
- delegate void [SharingCompletion](#) ([eShareResult](#) _result)
Use this delegate type to get callback when sharing action is done.
- virtual bool [IsMailServiceAvailable](#) ()
Determines whether mail service is available.

- void [SendPlainTextMail](#) (string _subject, string _body, string[] _recipients, [SharingCompletion](#) _onCompletion)
Sends the plain text mail.
- void [SendHTMLTextMail](#) (string _subject, string _htmlBody, string[] _recipients, [SharingCompletion](#) _onCompletion)
Sends the HTML text mail.
- void [SendMailWithScreenshot](#) (string _subject, string _body, bool _isHTMLBody, string[] _recipients, [SharingCompletion](#) _onCompletion)
Sends the mail with screenshot.
- void [SendMailWithTexture](#) (string _subject, string _body, bool _isHTMLBody, Texture2D _texture, string[] _recipients, [SharingCompletion](#) _onCompletion)
Sends the mail with texture as image.
- void [SendMailWithAttachment](#) (string _subject, string _body, bool _isHTMLBody, string _attachmentPath, string _mimeType, string[] _recipients, [SharingCompletion](#) _onCompletion)
Sends the mail with an attachment.
- virtual void [SendMail](#) (string _subject, string _body, bool _isHTMLBody, byte[] _attachmentByteArray, string _mimeType, string _attachmentFileNameWithExtn, string[] _recipients, [SharingCompletion](#) _onCompletion)
Sends the mail with attachment from byte array.
- virtual bool [IsMessagingServiceAvailable](#) ()
Determines whether messaging service is available.
- virtual void [SendTextMessage](#) (string _body, string[] _recipients, [SharingCompletion](#) _onCompletion)
Sends the text message.
- virtual bool [IsWhatsAppServiceAvailable](#) ()
Determines whether whatsapp service is available.
- virtual void [ShareTextMessageOnWhatsApp](#) (string _message, [SharingCompletion](#) _onCompletion)
Shares the text message on whatsapp.
- void [ShareScreenshotOnWhatsApp](#) ([SharingCompletion](#) _onCompletion)
Shares the screenshot on whatsapp.
- void [ShareImageOnWhatsApp](#) (string _imagePath, [SharingCompletion](#) _onCompletion)
Shares the image on whatsapp.
- void [ShareImageOnWhatsApp](#) (Texture2D _texture, [SharingCompletion](#) _onCompletion)
Shares the image on whatsapp.
- virtual void [ShareImageOnWhatsApp](#) (byte[] _imageByteArray, [SharingCompletion](#) _onCompletion)
Shares the image on whatsapp.

5.31.1 Detailed Description

[Sharing](#) gives access to different forms of sharing. Can share text or image with Social network, Mail, SMS, WhatsApp.

5.31.2 Member Function Documentation

5.31.2.1 void [ShareTextMessageOnSocialNetwork](#) (string _message, [SharingCompletion](#) _onCompletion)

Shares the text message on social network.

Parameters

_message	Message to share.
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<code>_onCompletion</code>	Callback to be triggered when sharing action completes.
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5.31.2.2 `void ShareURLOnSocialNetwork (string _message, string _URLString, SharingCompletion _onCompletion)`

Shares the given URL string on social network.

Parameters

<code>_message</code>	Message to share.
<code>_URLString</code>	URL string to share.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.3 `void ShareScreenShotOnSocialNetwork (string _message, SharingCompletion _onCompletion)`

Shares the current screenshot on social network.

Parameters

<code>_message</code>	Message to share.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.4 `void ShareImageOnSocialNetwork (string _message, Texture2D _texture, SharingCompletion _onCompletion)`

Shares the image on social network.

Parameters

<code>_message</code>	Message to share.
<code>_texture</code>	Texture to share.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.5 `void ShareImageOnSocialNetwork (string _message, string _imagePath, SharingCompletion _onCompletion)`

Shares the image on social network.

Parameters

<code>_message</code>	Message to share.
<code>_imagePath</code>	Path where image exists that needs to be shared.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.6 `void ShareImageOnSocialNetwork (string _message, byte[] _imageByteArray, SharingCompletion _onCompletion)`

Shares the image on social network.

Parameters

<code>_message</code>	Message to share.
<code>_imageByteArray</code>	image byte array to create the image from.

<code>_onCompletion</code>	Callback to be triggered when sharing action completes.
----------------------------	---

5.31.2.7 `void ShareMessage (string _message, eShareOptions[] _excludedOptions, SharingCompletion _onCompletion)`

Shares the message.

Parameters

<code>_message</code>	Message to share.
<code>_excludedOptions</code>	List of sharing services to exclude while sharing.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.8 `void ShareURL (string _message, string _URLString, eShareOptions[] _excludedOptions, SharingCompletion _onCompletion)`

Shares the URL string.

Parameters

<code>_message</code>	Message to share.
<code>_URLString</code>	URL string to share.
<code>_excludedOptions</code>	List of sharing services to exclude while sharing.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.9 `void ShareScreenShot (string _message, eShareOptions[] _excludedOptions, SharingCompletion _onCompletion)`

Shares the current screenshot.

Parameters

<code>_message</code>	Message to share.
<code>_excludedOptions</code>	List of sharing services to exclude while sharing.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.10 `void ShareImage (string _message, Texture2D _texture, eShareOptions[] _excludedOptions, SharingCompletion _onCompletion)`

Shares the image.

Parameters

<code>_message</code>	Message to share.
<code>_texture</code>	Texture to share as image.
<code>_excludedOptions</code>	List of sharing services to exclude while sharing.

<code>_onCompletion</code>	Callback to be triggered when sharing action completes.
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5.31.2.11 `void ShareImageAtPath (string _message, string _imagePath, eShareOptions[] _excludedOptions, SharingCompletion _onCompletion)`

Shares the image at path.

Parameters

<code>_message</code>	Message to share.
<code>_imagePath</code>	Path where image exists that needs to be shared.
<code>_excludedOptions</code>	List of sharing services to exclude while sharing.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.12 `void Share (string _message, string _URLString, byte[] _imageByteArray, eShareOptions[] _excludedOptions, SharingCompletion _onCompletion)`

Share message , URL or image

Parameters

<code>_message</code>	Message to share.
<code>_URLString</code>	URL string to share.
<code>_imageByteArray</code>	image byte array to create the image from.
<code>_excludedOptions</code>	List of sharing services to exclude while sharing.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.13 `delegate void SharingCompletion (eShareResult _result)`

Use this delegate type to get callback when sharing action is done.

Parameters

<code>_result</code>	Status of share action. Currently CLOSED action is only available
----------------------	---

5.31.2.14 `virtual bool IsMailServiceAvailable () [virtual]`

Determines whether mail service is available.

Returns

`true` if this mail service is available; otherwise, `false`.

5.31.2.15 `void SendPlainTextMail (string _subject, string _body, string[] _recipients, SharingCompletion _onCompletion)`

Sends the plain text mail.

Parameters

<code>_subject</code>	Subject of the mail.
<code>_body</code>	Body of the mail.
<code>_recipients</code>	List of recipients.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.16 `void SendHTMLTextMail (string _subject, string _htmlBody, string[] _recipients, SharingCompletion _onCompletion)`

Sends the HTML text mail.

Parameters

<code>_subject</code>	Subject of the mail.
<code>_htmlBody</code>	HTML string for body of the mail.
<code>_recipients</code>	List of recipients.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.17 `void SendMailWithScreenshot (string _subject, string _body, bool _isHTMLBody, string[] _recipients, SharingCompletion _onCompletion)`

Sends the mail with screenshot.

Parameters

<code>_subject</code>	Subject of mail.
<code>_body</code>	Body of the mail.
<code>_isHTMLBody</code>	Indicates if the sent body string is HTML string.
<code>_recipients</code>	List of recipients.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.18 `void SendMailWithTexture (string _subject, string _body, bool _isHTMLBody, Texture2D _texture, string[] _recipients, SharingCompletion _onCompletion)`

Sends the mail with texture as image.

Parameters

<code>_subject</code>	Subject of mail.
<code>_body</code>	Body of the mail.
<code>_isHTMLBody</code>	Indicates if the sent body string is HTML string.
<code>_texture</code>	Texture to create the image from.
<code>_recipients</code>	List of recipients.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.19 `void SendMailWithAttachment (string _subject, string _body, bool _isHTMLBody, string _attachmentPath, string _mimeType, string[] _recipients, SharingCompletion _onCompletion)`

Sends the mail with an attachment.

Parameters

<code>_subject</code>	Subject of mail.
<code>_body</code>	Body of the mail.
<code>_isHTMLBody</code>	Indicates if the sent body string is HTML string.
<code>_attachmentPath</code>	Path to attachment file.
<code>_mimeType</code>	MIME type of attachment. ex: image/png, application/pdf .
<code>_recipients</code>	List of recipients.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.20 `virtual void SendMail (string _subject, string _body, bool _isHTMLBody, byte[] _attachmentByteArray, string _mimeType, string _attachmentFileNameWithExtn, string[] _recipients, SharingCompletion _onCompletion)`
[virtual]

Sends the mail with attachment from byte array.

Parameters

<code>_subject</code>	Subject of mail.
<code>_body</code>	Body of the mail.
<code>_isHTMLBody</code>	Indicates if the sent body string is HTML string.
<code>_attachment↔ ByteArray</code>	Attachment byte array.
<code>_mimeType</code>	MIME type of attachment. ex: image/png, application/pdf .
<code>_attachment↔ FileNameWith↔ Extn</code>	Attachment file name with extension.
<code>_recipients</code>	List of recipients.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.21 `virtual bool IsMessagingServiceAvailable ()` [virtual]

Determines whether messaging service is available.

Returns

`true` if this messaging service is available; otherwise, `false`.

5.31.2.22 `virtual void SendTextMessage (string _body, string[] _recipients, SharingCompletion _onCompletion)`
[virtual]

Sends the text message.

Parameters

<code>_body</code>	Body of message.
<code>_recipients</code>	List of recipients.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.23 `virtual bool IsWhatsAppServiceAvailable ()` [virtual]

Determines whether whatsapp service is available.

Returns

true if whatsApp service is available; otherwise, false.

5.31.2.24 `virtual void ShareTextMessageOnWhatsApp (string _message, SharingCompletion _onCompletion)`
[virtual]

Shares the text message on whatsApp.

Parameters

<code>_message</code>	Message to share.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.25 `void ShareScreenshotOnWhatsApp (SharingCompletion _onCompletion)`

Shares the screenshot on whats app.

Parameters

<code>_onCompletion</code>	Callback to be triggered when sharing action completes.
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5.31.2.26 `void ShareImageOnWhatsApp (string _imagePath, SharingCompletion _onCompletion)`

Shares the image on whatsApp.

Parameters

<code>_imagePath</code>	Path of the image to be shared.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.27 `void ShareImageOnWhatsApp (Texture2D _texture, SharingCompletion _onCompletion)`

Shares the image on whats app.

Parameters

<code>_texture</code>	Texture to take the image from.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.31.2.28 `virtual void ShareImageOnWhatsApp (byte[] _imageByteArray, SharingCompletion _onCompletion)`
[virtual]

Shares the image on whats app.

Parameters

<code>_imageByteArray</code>	Image byte array to create the image from.
<code>_onCompletion</code>	Callback to be triggered when sharing action completes.

5.32 Twitter

Provides support for sending [Twitter](#) requests on behalf of the user and for composing and sending tweets.

Inherits MonoBehaviour, and MonoBehaviour.

Public Member Functions

- virtual bool [Initialise](#) ()
Initialise [Twitter](#) feature.
- virtual void [Login](#) (TWTRLoginCompletion _onCompletion)
Triggers user authentication with [Twitter](#).
- virtual void [Logout](#) ()
Deletes the local [Twitter](#) user session from this app.
- virtual bool [IsLoggedIn](#) ()
Determines whether user is logged in or not.
- virtual string [GetAuthToken](#) ()
Gets the authorization token. Returns NULL if user isnt logged in.
- virtual string [GetAuthTokenSecret](#) ()
Gets the authorization token secret. Returns NULL if user isnt logged in.
- virtual string [GetUserID](#) ()
Gets the user ID of twitter user. Returns NULL if user isnt logged in.
- virtual string [GetUserName](#) ()
Gets the name of the twitter user. Returns NULL if user isnt logged in.
- void [ShowTweetComposerWithMessage](#) (string _message, TWTRTweetCompletion _onCompletion)
Presents composer to tweet text.
- void [ShowTweetComposerWithScreenshot](#) (string _message, TWTRTweetCompletion _onCompletion)
Presents composer to tweet text along with screenshot.
- void [ShowTweetComposerWithImage](#) (string _message, Texture2D _texture, TWTRTweetCompletion _onCompletion)
Presents composer to tweet text along with attached image.
- void [ShowTweetComposerWithLink](#) (string _message, string _URL, TWTRTweetCompletion _onCompletion)
Presents composer to tweet text along with URL.
- virtual void [ShowTweetComposer](#) (string _message, string _URL, byte[] _imgByteArray, TWTRTweetCompletion _onCompletion)
Presents composer to tweet text along with URL and image.
- virtual void [RequestAccountDetails](#) (TWTRAccountDetailsCompletion _onCompletion)
Sends request to load users account details.
- virtual void [RequestEmailAccess](#) (TWTREmailAccessCompletion _onCompletion)
Requests user to provide access to his email address.
- void [GetURLRequest](#) (string _URL, IDictionary _parameters, TWTRResonse _onCompletion)
Sends a [Twitter](#) GET request.
- void [PostURLRequest](#) (string _URL, IDictionary _parameters, TWTRResonse _onCompletion)
Sends a [Twitter](#) POST request.
- void [PutURLRequest](#) (string _URL, IDictionary _parameters, TWTRResonse _onCompletion)
Sends a [Twitter](#) PUT request.
- void [DeleteURLRequest](#) (string _URL, IDictionary _parameters, TWTRResonse _onCompletion)
Sends a [Twitter](#) DELETE request.
- delegate void TWTRLoginCompletion (TwitterSession _session, string _error)
Use this delegate type to get callback when user login succeeds or fails.
- delegate void TWTRTweetCompletion (eTwitterComposerResult _result)
Use this delegate type to get callback when the user finishes composing a [Tweet](#).
- delegate void TWTRAccountDetailsCompletion (TwitterUser _user, string _error)
Use this delegate type to get callback when load user details request succeeds or fails.
- delegate void TWTREmailAccessCompletion (string _email, string _error)

Use this delegate type to get callback when the user accepts or denies access to their email address.

- delegate void [TWTRResonse](#) (IDictionary _response, string _error)

Use this delegate type to get callback when the network request succeeds or fails.

5.32.1 Detailed Description

Provides support for sending [Twitter](#) requests on behalf of the user and for composing and sending tweets.

5.32.2 Member Function Documentation

5.32.2.1 virtual bool Initialise () [virtual]

Initialise [Twitter](#) feature.

Make sure this is called before using twitter functions. Returns true on proper initialisation.

5.32.2.2 virtual void Login (TWTRLoginCompletion _onCompletion) [virtual]

Triggers user authentication with [Twitter](#).

Parameters

<code>_onCompletion</code>	Calls the delegate after authentication is successful or if there is an error.
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This method will present [UI](#) to allow the user to log in if there are no saved [Twitter](#) login credentials.

5.32.2.3 virtual void Logout () [virtual]

Deletes the local [Twitter](#) user session from this app.

5.32.2.4 virtual bool IsLoggedIn () [virtual]

Determines whether user is logged in or not.

Returns

true if user is logged in; otherwise, false.

5.32.2.5 virtual string GetAuthToken () [virtual]

Gets the authorization token. Returns NULL if user isnt logged in.

Returns

The authorization token.

5.32.2.6 virtual string GetAuthTokenSecret () [virtual]

Gets the authorization token secret. Returns NULL if user isnt logged in.

Returns

The authorization token secret.

5.32.2.7 virtual string GetUserID () [virtual]

Gets the user ID of twitter user. Returns NULL if user isnt logged in.

Returns

The user I.

5.32.2.8 virtual string GetUserName () [virtual]

Gets the name of the twitter user. Returns NULL if user isnt logged in.

Returns

The user name.

5.32.2.9 void ShowTweetComposerWithMessage (string _message, TWTRTweetCompletion _onCompletion)

Presents composer to tweet text.

Parameters

<code>_message</code>	The text to tweet.
<code>_onCompletion</code>	Calls the delegate when the user finished or cancelled the Tweet composition.

5.32.2.10 void ShowTweetComposerWithScreenshot (string _message, TWTRTweetCompletion _onCompletion)

Presents composer to tweet text along with screenshot.

Parameters

<code>_message</code>	The text to tweet.
<code>_onCompletion</code>	Calls the delegate when the user finished or cancelled the Tweet composition.

5.32.2.11 void ShowTweetComposerWithImage (string _message, Texture2D _texture, TWTRTweetCompletion _onCompletion)

Presents composer to tweet text along with attached image.

Parameters

<code>_message</code>	The text to tweet.
<code>_texture</code>	The image to attached along with tweet message.
<code>_onCompletion</code>	Calls the delegate when the user finished or cancelled the Tweet composition.

5.32.2.12 void ShowTweetComposerWithLink (string _message, string _URL, TWTRTweetCompletion _onCompletion)

Presents composer to tweet text along with URL.

Parameters

<code>_message</code>	The text to tweet.
<code>_URL</code>	URL to be shared.
<code>_onCompletion</code>	Calls the delegate when the user finished or cancelled the Tweet composition.

5.32.2.13 `virtual void ShowTweetComposer (string _message, string _URL, byte[] _imgByteArray, TWTRTweetCompletion _onCompletion) [virtual]`

Presents composer to tweet text along with URL and image.

Parameters

<code>_message</code>	The text to tweet.
<code>_URL</code>	URL to be shared.
<code>_imgByteArray</code>	The image data to be attached along with the tweet.
<code>_onCompletion</code>	Calls the delegate when the user finished or cancelled the Tweet composition.

5.32.2.14 `virtual void RequestAccountDetails (TWTRAccountDetailsCompletion _onCompletion) [virtual]`

Sends request to load users account details.

Parameters

<code>_onCompletion</code>	Calls the delegate when load user details request succeeds or fails.
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5.32.2.15 `virtual void RequestEmailAccess (TWTREmailAccessCompletion _onCompletion) [virtual]`

Requests user to provide access to his email address.

Parameters

<code>_onCompletion</code>	Calls the delegate when user either accepts or denies access to their email address.
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5.32.2.16 `void GetURLRequest (string _URL, IDictionary _parameters, TWTRResonse _onCompletion)`

Sends a [Twitter](#) GET request.

Parameters

<code>_URL</code>	Request URL. This is the full Twitter API URL. E.g. https://api.twitter.com/1.1/statuses/user_timeline.json .
<code>_parameters</code>	Request parameters.
<code>_onCompletion</code>	Calls the delegate on response.

5.32.2.17 `void PostURLRequest (string _URL, IDictionary _parameters, TWTRResonse _onCompletion)`

Sends a [Twitter](#) POST request.

Parameters

<code>_URL</code>	Request URL. This is the full Twitter API URL. E.g. https://api.twitter.com/1.1/statuses/user_timeline.json .
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<code>_parameters</code>	Request parameters.
<code>_onCompletion</code>	Calls the delegate on response.

5.32.2.18 void PutURLRequest (string `_URL`, IDictionary `_parameters`, TWTRResonse `_onCompletion`)

Sends a [Twitter](#) PUT request.

Parameters

<code>_URL</code>	Request URL. This is the full Twitter API URL. E.g. https://api.twitter.com/1.1/statuses/user_timeline.json .
<code>_parameters</code>	Request parameters.
<code>_onCompletion</code>	Calls the delegate on response.

5.32.2.19 void DeleteURLRequest (string `_URL`, IDictionary `_parameters`, TWTRResonse `_onCompletion`)

Sends a [Twitter](#) DELETE request.

Parameters

<code>_URL</code>	Request URL. This is the full Twitter API URL. E.g. https://api.twitter.com/1.1/statuses/user_timeline.json .
<code>_parameters</code>	Request parameters.
<code>_onCompletion</code>	Calls the delegate on response.

5.32.2.20 delegate void TWTRLoginCompletion (TwitterSession `_session`, string `_error`)

Use this delegate type to get callback when user login succeeds or fails.

Parameters

<code>_session</code>	Contains the OAuth tokens and minimal information associated with the logged in user or nil.
<code>_error</code>	Error that will be non nil if the authentication request failed.

5.32.2.21 delegate void TWTRTweetCompletion (eTwitterComposerResult `_result`)

Use this delegate type to get callback when the user finishes composing a Tweet.

5.32.2.22 delegate void TWTRAccountDetailsCompletion (TwitterUser `_user`, string `_error`)

Use this delegate type to get callback when load user details request succeeds or fails.

Parameters

<code>_user</code>	The Twitter User .
<code>_error</code>	Error that will be set if the API request failed.

5.32.2.23 delegate void TWTREmailAccessCompletion (string `_email`, string `_error`)

Use this delegate type to get callback when the user accepts or denies access to their email address.

Parameters

<code>_email</code>	The user's email address. This will be nil if the user does not grant access to their email address or your application is not allowed to request email addresses.
<code>_error</code>	An error that details why a user's email address could not be provided.

5.32.2.24 delegate void TWTRResonse (IDictionary *_response*, string *_error*)

Use this delegate type to get callback when the network request succeeds or fails.

Parameters

<code>_response</code>	Content data of the response.
<code>_error</code>	Describes the network error that occurred.

5.33 TwitterSession

[TwitterSession](#) represents a user's session authenticated with the [Twitter](#) API.

Public Member Functions

- override string [ToString](#) ()
String representation of [TwitterSession](#).

Properties

- string [AuthToken](#) [get, protected set]
Gets a value indicating authorization token.
- string [AuthTokenSecret](#) [get, protected set]
Gets a value indicating authorization token secret.
- string [UserName](#) [get, protected set]
Gets a value indicating username associated with the access token.
- string [UserID](#) [get, protected set]
Gets a value indicating user ID associated with the access token.

5.33.1 Detailed Description

[TwitterSession](#) represents a user's session authenticated with the [Twitter](#) API.

5.33.2 Member Function Documentation

5.33.2.1 override string ToString ()

String representation of [TwitterSession](#).

5.33.3 Property Documentation

5.33.3.1 string AuthToken [get],[protected set]

Gets a value indicating authorization token.

The auth token.

5.33.3.2 `string AuthTokenSecret` `[get], [protected set]`

Gets a value indicating authorization token secret.

The auth token secret.

5.33.3.3 `string UserName` `[get], [protected set]`

Gets a value indicating username associated with the access token.

The name of the user.

5.33.3.4 `string UserID` `[get], [protected set]`

Gets a value indicating user ID associated with the access token.

The user ID.

5.34 TwitterSettings

[Twitter](#) Settings provides interface to configure TwitterKit.

Properties

- `string ConsumerKey` `[get, set]`
Gets or sets the consumer key.
- `string ConsumerSecret` `[get, set]`
Gets or sets the consumer secret.

5.34.1 Detailed Description

[Twitter](#) Settings provides interface to configure TwitterKit.

To configure TwitterKit, you will need a consumer key and a consumer secret (collectively, a “Twitter app”). Visit Twitter’s developer site (<https://apps.twitter.com/>) to create or review an application settings.

5.34.2 Property Documentation

5.34.2.1 `string ConsumerKey` `[get], [set]`

Gets or sets the consumer key.

The consumer key.

5.34.2.2 `string ConsumerSecret` `[get], [set]`

Gets or sets the consumer secret.

The consumer secret.

5.35 TwitterUser

[TwitterUser](#) represents a user on [Twitter](#).

Public Member Functions

- override string [ToString](#) ()
String representation of [TwitterUser](#).

Properties

- string [UserID](#) [get, protected set]
Gets a value indicating ID of the [Twitter User](#).
- string [Name](#) [get, protected set]
Gets a value indicating name of the [Twitter User](#).
- bool [IsVerified](#) [get, protected set]
Gets a value indicating whether the user has been verified by [Twitter](#).
- bool [IsProtected](#) [get, protected set]
Gets a value indicating whether user is protected.
- string [ProfileImageURL](#) [get, protected set]
Gets a value indicating HTTPS URL of the user's profile image.

5.35.1 Detailed Description

[TwitterUser](#) represents a user on [Twitter](#).

5.35.2 Member Function Documentation

5.35.2.1 override string ToString ()

String representation of [TwitterUser](#).

5.35.3 Property Documentation

5.35.3.1 string UserID [get],[protected set]

Gets a value indicating ID of the [Twitter User](#).

The user ID.

5.35.3.2 string Name [get],[protected set]

Gets a value indicating name of the [Twitter User](#).

The name.

5.35.3.3 bool IsVerified [get],[protected set]

Gets a value indicating whether the user has been verified by [Twitter](#).

true if this user is verified; otherwise, false.

5.35.3.4 bool IsProtected [get],[protected set]

Gets a value indicating whether user is protected.

true if this user is protected; otherwise, false.

5.35.3.5 string ProfileImageUrl [get],[protected set]

Gets a value indicating HTTPS URL of the user's profile image.

The profile image UR.

5.36 UI

Provides interface for Native [UI](#) system.

Inherits MonoBehaviour, MonoBehaviour, MonoBehaviour, MonoBehaviour, and MonoBehaviour.

Public Member Functions

- void [ShowAlertDialogWithSingleButton](#) (string _title, string _message, string _button, [AlertDialogCompletion](#) _onCompletion)
Shows the alert dialog with single button.
- void [ShowAlertDialogWithMultipleButtons](#) (string _title, string _message, string[] _buttonsList, [AlertDialogCompletion](#) _onCompletion)
Shows the alert dialog with multiple buttons.
- delegate void [AlertDialogCompletion](#) (string _buttonPressed)
Use this delegate type to get callback when the user clicks a button on an alert dialog.
- virtual void [SetPopoverPoint](#) (Vector2 _position)
Sets position of popover controller to given position. Popover controllers are used to Pick Media and to present Share options in iPad. Default position is set to (0.0, 0.0). Note that this is iOS only feature. On Android this call has no effect.
- void [SetPopoverPointAtLastTouchPosition](#) ()
Sets position of popover controller to last touch position. Popover controllers are used to Pick Media and to present Share options in iPad. Default position is set to (0.0, 0.0). Note that this is iOS only feature. On Android this call has no effect.
- void [ShowSingleFieldPromptDialogWithPlainText](#) (string _title, string _message, string _placeholder, string[] _buttonsList, [SingleFieldPromptCompletion](#) _onCompletion)
Prompt dialog that allows the user to enter text.
- void [ShowSingleFieldPromptDialogWithSecuredText](#) (string _title, string _message, string _placeholder, string[] _buttonsList, [SingleFieldPromptCompletion](#) _onCompletion)
Prompt dialog that allows the user to enter text. The text field is obscured.
- virtual void [ShowLoginPromptDialog](#) (string _title, string _message, string _usernamePlaceholder, string _passwordPlaceholder, string[] _buttonsList, [LoginPromptCompletion](#) _onCompletion)
Prompt dialog that allows the user to enter login identifier and password.
- delegate void [SingleFieldPromptCompletion](#) (string _buttonPressed, string _inputText)
Use this delegate type to get callback when the user clicks a button on single field prompt dialog.
- delegate void [LoginPromptCompletion](#) (string _buttonPressed, string _usernameText, string _passwordText)
Use this delegate type to get callback when the user clicks a button on login prompt dialog.

5.36.1 Detailed Description

Provides interface for Native [UI](#) system.

5.36.2 Member Function Documentation

5.36.2.1 void ShowAlertDialogWithSingleButton (string _title, string _message, string _button, AlertDialogCompletion _onCompletion)

Shows the alert dialog with single button.

Parameters

<code>_title</code>	Text that appears in title bar.
<code>_message</code>	Descriptive text that provides more details.
<code>_button</code>	Title of action button.
<code>_onCompletion</code>	Calls the delegate when action button is pressed.

5.36.2.2 void ShowAlertDialogWithMultipleButtons (string _title, string _message, string[] _buttonsList, AlertDialogCompletion _onCompletion)

Shows the alert dialog with multiple buttons.

Parameters

<code>_title</code>	Text that appears in title bar.
<code>_message</code>	Descriptive text that provides more details.
<code>_buttonsList</code>	Title of action buttons.
<code>_onCompletion</code>	Calls the delegate when action button is pressed.

5.36.2.3 delegate void AlertDialogCompletion (string _buttonPressed)

Use this delegate type to get callback when the user clicks a button on an alert dialog.

Parameters

<code>_buttonPressed</code>	Title of the button that was pressed.
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5.36.2.4 virtual void SetPopoverPoint (Vector2 _position) [virtual]

Sets position of popover controller to given position. Popover controllers are used to Pick Media and to present Share options in iPad. Default position is set to (0.0, 0.0). Note that this is iOS only feature. On Android this call has no effect.

Parameters

<code>_position</code>	Screen position where popover is displayed.
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5.36.2.5 void SetPopoverPointAtLastTouchPosition ()

Sets position of popover controller to last touch position. Popover controllers are used to Pick Media and to present Share options in iPad. Default position is set to (0.0, 0.0). Note that this is iOS only feature. On Android this call has no effect.

5.36.2.6 void ShowSingleFieldPromptDialogWithPlainText (string _title, string _message, string _placeholder, string[] _buttonsList, SingleFieldPromptCompletion _onCompletion)

Prompt dialog that allows the user to enter text.

Parameters

<code>_title</code>	Text that appears in title bar.
<code>_message</code>	Descriptive text that provides more details.
<code>_placeholder</code>	String that is displayed when there is no other text in the textfield.
<code>_buttonsList</code>	Title of action buttons.
<code>_onCompletion</code>	Calls the delegate when action button is pressed.

5.36.2.7 `void ShowSingleFieldPromptDialogWithSecuredText (string _title, string _message, string _placeholder, string[] _buttonsList, SingleFieldPromptCompletion _onCompletion)`

Prompt dialog that allows the user to enter text. The text field is obscured.

Parameters

<code>_title</code>	Text that appears in title bar.
<code>_message</code>	Descriptive text that provides more details.
<code>_placeholder</code>	String that is displayed when there is no other text in the textfield.
<code>_buttonsList</code>	Title of action buttons.
<code>_onCompletion</code>	Calls the delegate when action button is pressed.

5.36.2.8 `virtual void ShowLoginPromptDialog (string _title, string _message, string _usernamePlaceHolder, string _passwordPlaceHolder, string[] _buttonsList, LoginPromptCompletion _onCompletion) [virtual]`

Prompt dialog that allows the user to enter login identifier and password.

Parameters

<code>_title</code>	Text that appears in title bar.
<code>_message</code>	Descriptive text that provides more details.
<code>_usernamePlaceHolder</code>	String that is displayed when there is no other text in the username textfield.
<code>_passwordPlaceHolder</code>	String that is displayed when there is no other text in the password textfield.
<code>_buttonsList</code>	Title of action buttons.
<code>_onCompletion</code>	Calls the delegate when action button is pressed.

5.36.2.9 `delegate void SingleFieldPromptCompletion (string _buttonPressed, string _inputText)`

Use this delegate type to get callback when the user clicks a button on single field prompt dialog.

Parameters

<code>_buttonPressed</code>	Title of the button that was pressed.
<code>_inputText</code>	Text contents of textfield.

5.36.2.10 `delegate void LoginPromptCompletion (string _buttonPressed, string _usernameText, string _passwordText)`

Use this delegate type to get callback when the user clicks a button on login prompt dialog.

Parameters

<code>_buttonPressed</code>	Title of the button that was pressed.
<code>_usernameText</code>	Text contents of login textfield.
<code>_passwordText</code>	Text contents of password textfield.

5.37 User

[VoxelBusters.NativePlugins.User](#) class provides information about a user playing your game.

Inherited by [LocalUser](#).

Public Member Functions

- abstract void [GetImageAsync](#) (DownloadTexture.Completion `_onCompletion`)
Asynchronously loads the image.

Properties

- abstract string [Identifier](#) [get, protected set]
Gets the identifier for this [VoxelBusters.NativePlugins.User](#).
- abstract string [Name](#) [get, protected set]
Gets the name for this [VoxelBusters.NativePlugins.User](#).

5.37.1 Detailed Description

[VoxelBusters.NativePlugins.User](#) class provides information about a user playing your game.

5.37.2 Member Function Documentation

5.37.2.1 abstract void [GetImageAsync](#) (DownloadTexture.Completion `_onCompletion`) [pure virtual]

Asynchronously loads the image.

Parameters

<code>_onCompletion</code>	Callback to be triggered after loading the image.
----------------------------	---

5.37.3 Property Documentation

5.37.3.1 abstract string [Identifier](#) [get],[protected set]

Gets the identifier for this [VoxelBusters.NativePlugins.User](#).

A string assigned to uniquely identify a [VoxelBusters.NativePlugins.User](#).

5.37.3.2 abstract string [Name](#) [get],[protected set]

Gets the name for this [VoxelBusters.NativePlugins.User](#).

Display name chosen by [VoxelBusters.NativePlugins.User](#) to identify themselves to other players.

5.38 Utility

[Utility](#) provides an unique way to access some utility functions.

Inherits MonoBehaviour.

Public Member Functions

- virtual string [GetUUID](#) ()
Gets the UUID.
- virtual void [OpenStoreLink](#) (string _applicationID)
Opens the store link for that platform.
- virtual void [SetApplicationIconBadgeNumber](#) (int _badgeNumber)
Sets the number as the badge of the app icon.
- string [GetBundleVersion](#) ()
Gets the bundle version.
- string [GetBundleIdentifier](#) ()
Gets the bundle identifier.

5.38.1 Detailed Description

[Utility](#) provides an unique way to access some utility functions.

5.38.2 Member Function Documentation

5.38.2.1 virtual string GetUUID () [virtual]

Gets the UUID.

Returns

An unique identifier.

5.38.2.2 virtual void OpenStoreLink (string _applicationID) [virtual]

Opens the store link for that platform.

Parameters

<code>_applicationID</code>	Application identifier which defines the application uniquely. On iOS this is the id that identifies app on appstore. On Android this is the build identifier (com.example.test)
-----------------------------	--

5.38.2.3 virtual void SetApplicationIconBadgeNumber (int _badgeNumber) [virtual]

Sets the number as the badge of the app icon.

Parameters

<code>_badgeNumber</code>	The number currently set as badge.
---------------------------	------------------------------------

5.38.2.4 string GetBundleVersion ()

Gets the bundle version.

Returns

Application bundle version.

5.38.2.5 string GetBundleIdentifier ()

Gets the bundle identifier.

Returns

Application bundle identifier.

5.39 UtilitySettings

[Utility](#) Settings provides interface to configure properties related to utility components such as [RateMyApp](#).

5.39.1 Detailed Description

[Utility](#) Settings provides interface to configure properties related to utility components such as [RateMyApp](#).

5.40 WebView

Provides interface to embed web content in your application.

Inherits MonoBehaviour.

Public Member Functions

- delegate void [WebViewEvent](#) ([WebView](#) _webview)
Generic web view delegate.
- delegate void [WebViewFailedLoad](#) ([WebView](#) _webview, string _error)
Use this delegate type to get callback when [WebView](#) fails to load requested content.
- delegate void [WebViewFinishedEvaluatingJS](#) ([WebView](#) _webview, string _result)
Use this delegate type to get callback when [WebView](#) finishes running a script.
- delegate void [WebViewReceivedMessage](#) ([WebView](#) _webview, [WebViewMessage](#) _message)
Use this delegate type to get callback when [WebView](#) sends messages to unity using URL scheme.
- void [Destroy](#) ()
Destroys this instance.
- void [Show](#) ()
Show this instance.
- void [Hide](#) ()
Hide this instance.
- void [LoadRequest](#) (string _URL)
Connects to a given URL by initiating an asynchronous request.
- void [LoadHTMLStringContentsOfFile](#) (string _HTMLFilePath, string _baseURL)
Loads the HTML string contents of file.

- void [LoadHTMLStringWithJavaScript](#) (string _HTMLString, string _javaScript, string _baseURL=null)
Loads the HTML string with javascript.
- void [LoadHTMLString](#) (string _HTMLString, string _baseURL=null)
Loads the HTML string.
- void [LoadFile](#) (string _filepath, string _MIMEType, string _textEncodingName, string _baseURL)
Loads the file.
- void [LoadData](#) (byte[] _byteArray, string _MIMEType, string _textEncodingName, string _baseURL)
Loads the data contents.
- void [EvaluateJavaScriptFromString](#) (string _javaScript)
Evaluates the java script from string.
- void [Reload](#) ()
Reloads the current page.
- void [StopLoading](#) ()
Stops the loading of web content.
- void [AddNewURLSchemeName](#) (string _URLSchemeName)
Adds the new URL scheme name to which [WebView](#) will listen.
- void [ClearCache](#) ()
Clears all stored cached URL responses.

Properties

- bool [CanHide](#) [get, set]
Gets or sets a value indicating whether this [WebView](#) can hide on pressing dismiss button.
- bool [CanBounce](#) [get, set]
Gets or sets a value indicating whether this [WebView](#) bounces past the edge of content and back again.
- [eWebviewControllerType](#) [ControlType](#) [get, set]
Gets or sets the type of the control shown along with [WebView](#).
- bool [ShowSpinnerOnLoad](#) [get, set]
Gets or sets a value indicating whether this [WebView](#) shows spinner when loading requests.
- bool [AutoShowOnLoadFinish](#) [get, set]
Gets or sets a value indicating whether this [WebView](#) can autoshow itself when load request is finished.
- bool [ScalesPageToFit](#) [get, set]
Gets or sets a value indicating whether this [WebView](#) scales webpages to fit the view and the user can change the scale.
- Rect [Frame](#) [get, set]
Gets or sets the rectangle, which describes this [WebView](#) position and size.
- Color [BackgroundColor](#) [get, set]
Gets or sets the color of the background.

Events

- static [WebViewEvent](#) [DidShowEvent](#)
Occurs when [WebView](#) is shown.
- static [WebViewEvent](#) [DidHideEvent](#)
Occurs when [WebView](#) is hide.
- static [WebViewEvent](#) [DidDestroyEvent](#)
Occurs when [WebView](#) is destroyed.
- static [WebViewEvent](#) [DidStartLoadEvent](#)
Occurs when [WebView](#) starts loading.
- static [WebViewEvent](#) [DidFinishLoadEvent](#)

Occurs when [WebView](#) finishes loading.

- static [WebViewFailedLoad DidFailLoadWithErrorEvent](#)

Occurs when [WebView](#) failed to load.

- static [WebViewFinishedEvaluatingJS DidFinishEvaluatingJavaScriptEvent](#)

Occurs when [WebView](#) finishes running a script.

- static [WebViewReceivedMessage DidReceiveMessageEvent](#)

Occurs when [WebView](#) sends a message to unity by parsing URL scheme.

5.40.1 Detailed Description

Provides interface to embed web content in your application.

Package includes [WebView](#) prefab, which is placed under "Assets/VoxelBusters/NativePlugins/Prefab" folder. Drag and drop [WebView](#) prefab into heirarchy and send requests to display local content or content that is loaded from the network.

5.40.2 Member Function Documentation

5.40.2.1 delegate void WebViewEvent ([WebView](#) _webview)

Generic web view delegate.

Parameters

_webview	The webview that is responsible for this event.
--------------------------	---

5.40.2.2 delegate void WebViewFailedLoad ([WebView](#) _webview, string _error)

Use this delegate type to get callback when [WebView](#) fails to load requested content.

Parameters

_webview	The webview that failed to load.
_error	The error that occurred during loading.

5.40.2.3 delegate void WebViewFinishedEvaluatingJS ([WebView](#) _webview, string _result)

Use this delegate type to get callback when [WebView](#) finishes running a script.

Parameters

_webview	The webview that finshed running input script .
_result	The result of running script or NULL if it fails.

5.40.2.4 delegate void WebViewReceivedMessage ([WebView](#) _webview, [WebViewMessage](#) _message)

Use this delegate type to get callback when [WebView](#) sends messages to unity using URL scheme.

Parameters

_webview	The webview that received message.
--------------------------	------------------------------------

<code>_message</code>	Message that was received from webview.
-----------------------	---

5.40.2.5 void Destroy ()

Destroys this instance.

5.40.2.6 void Show ()

Show this instance.

5.40.2.7 void Hide ()

Hide this instance.

5.40.2.8 void LoadRequest (string _URL)

Connects to a given URL by initiating an asynchronous request.

Parameters

<code>_URL</code>	URL of the content to load.
-------------------	-----------------------------

5.40.2.9 void LoadHTMLStringContentsOfFile (string _HTMLFilePath, string _baseURL)

Loads the HTML string contents of file.

Parameters

<code>_HTMLFilePath</code>	Path to the file with HTML contents.
<code>_baseURL</code>	Base URL for the content.

5.40.2.10 void LoadHTMLStringWithJavaScript (string _HTMLString, string _javaScript, string _baseURL = null)

Loads the HTML string with javascript.

Parameters

<code>_HTMLString</code>	HTML content.
<code>_javaScript</code>	Javascript to run.
<code>_baseURL</code>	Base URL for the content.

5.40.2.11 void LoadHTMLString (string _HTMLString, string _baseURL = null)

Loads the HTML string.

Parameters

<code>_HTMLString</code>	HTML content.
<code>_baseURL</code>	Base URL for the content.

5.40.2.12 void LoadFile (string *_filepath*, string *_MIMEType*, string *_textEncodingName*, string *_baseURL*)

Loads the file.

Parameters

<code>_filepath</code>	Path to the file to be loaded.
<code>_MIMETYPE</code>	MIME type of the content.
<code>_textEncoding↔ Name</code>	IANA encoding name as in utf-8 or utf-16.
<code>_baseURL</code>	Base URL for the content.

5.40.2.13 `void LoadData (byte[] _byteArray, string _MIMETYPE, string _textEncodingName, string _baseURL)`

Loads the data contents.

Parameters

<code>_byteArray</code>	File contents as byte array.
<code>_MIMETYPE</code>	MIME type of the content.
<code>_textEncoding↔ Name</code>	IANA encoding name as in utf-8 or utf-16.
<code>_baseURL</code>	Base URL for the content.

5.40.2.14 `void EvaluateJavaScriptFromString (string _javaScript)`

Evaluates the java script from string.

Parameters

<code>_javaScript</code>	Javascript to run.
--------------------------	--------------------

5.40.2.15 `void Reload ()`

Reloads the current page.

5.40.2.16 `void StopLoading ()`

Stops the loading of web content.

5.40.2.17 `void AddNewURLSchemeName (string _URLSchemeName)`

Adds the new URL scheme name to which [WebView](#) will listen.

Parameters

<code>_URLScheme↔ Name</code>	URL scheme name.
-----------------------------------	------------------

It is possible to send messages from webview to unity by using URL schemes. [WebView](#) will listen only to these added schemes. Whenever webview starts to load requests which starts with added scheme, then URL is parsed as [WebViewMessage](#) and will raise [WebViewReceivedMessage](#).

5.40.2.18 `void ClearCache ()`

Clears all stored cached URL responses.

5.40.3 Property Documentation

5.40.3.1 `bool CanHide` `[get]`, `[set]`

Gets or sets a value indicating whether this [WebView](#) can hide on pressing dismiss button.

`true` if this instance can hide; otherwise, `false`.

5.40.3.2 `bool CanBounce` `[get]`, `[set]`

Gets or sets a value indicating whether this [WebView](#) bounces past the edge of content and back again.

`true` if this instance can bounce; otherwise, `false`.

5.40.3.3 `eWebviewControllerType ControlType` `[get]`, `[set]`

Gets or sets the type of the control shown along with [WebView](#).

The type of the control.

5.40.3.4 `bool ShowSpinnerOnLoad` `[get]`, `[set]`

Gets or sets a value indicating whether this [WebView](#) shows spinner when loading requests.

`true` if show spinner on load; otherwise, `false`.

5.40.3.5 `bool AutoShowOnLoadFinish` `[get]`, `[set]`

Gets or sets a value indicating whether this [WebView](#) can autoshow itself when load request is finished.

`true` if auto show on load finish; otherwise, `false`.

5.40.3.6 `bool ScalesPageToFit` `[get]`, `[set]`

Gets or sets a value indicating whether this [WebView](#) scales webpages to fit the view and the user can change the scale.

`true` if scales page to fit; otherwise, `false`.

5.40.3.7 `Rect Frame` `[get]`, `[set]`

Gets or sets the rectangle, which describes this [WebView](#) position and size.

The frame.

5.40.3.8 `Color BackgroundColor` `[get]`, `[set]`

Gets or sets the color of the background.

The color of the background.

5.40.4 Event Documentation

5.40.4.1 `WebViewEvent DidShowEvent` `[static]`

Occurs when [WebView](#) is shown.

5.40.4.2 `WebViewEvent DidHideEvent` [static]

Occurs when [WebView](#) is hide.

5.40.4.3 `WebViewEvent DidDestroyEvent` [static]

Occurs when [WebView](#) is destroyed.

5.40.4.4 `WebViewEvent DidStartLoadEvent` [static]

Occurs when [WebView](#) starts loading.

5.40.4.5 `WebViewEvent DidFinishLoadEvent` [static]

Occurs when [WebView](#) finishes loading.

5.40.4.6 `WebViewFailedLoad DidFailLoadWithErrorEvent` [static]

Occurs when [WebView](#) failed to load.

5.40.4.7 `WebViewFinishedEvaluatingJS DidFinishEvaluatingJavaScriptEvent` [static]

Occurs when [WebView](#) finishes running a script.

5.40.4.8 `WebViewReceivedMessage DidReceiveMessageEvent` [static]

Occurs when [WebView](#) sends a message to unity by parsing URL scheme.

We make use of URL schemes, inorder to send messages from webview to unity. Use `AddNewURLScheme` to add the scheme strings. [WebView](#) will listen only to these added schemes. Whenever webview starts to load requests which starts with added scheme, then URL is parsed as [WebViewMessage](#) and will raise this event.

5.41 `WebViewMessage`

[WebViewMessage](#) is a wrapped data which is sent from [WebView](#) to Unity.

Properties

- string [SchemeName](#) [get, protected set]
Gets the scheme name.
- string [Host](#) [get, protected set]
Gets the host name.
- Dictionary< string, string > [Arguments](#) [get, protected set]
Gets the arguments. Each key-value pair represents name and value of the argument

5.41.1 Detailed Description

[WebViewMessage](#) is a wrapped data which is sent from [WebView](#) to Unity.

5.41.2 Property Documentation

5.41.2.1 **string SchemeName** [get],[protected set]

Gets the scheme name.

The scheme name.

5.41.2.2 **string Host** [get],[protected set]

Gets the host name.

The host name.

5.41.2.3 **Dictionary<string, string> Arguments** [get],[protected set]

Gets the arguments. Each key-value pair represents name and value of the argument

The arguments.

Index

- ALBUM
 - VoxelBusters::NativePlugins, [13](#)
- ALL_TIME
 - VoxelBusters::NativePlugins, [13](#)
- AUTHORIZED
 - VoxelBusters::NativePlugins, [12](#)
- AchievedDescription
 - VoxelBusters::NativePlugins::Achievement↔
Description, [19](#)
- AchievedDescriptionFormats
 - VoxelBusters::NativePlugins::GameServices↔
Settings::AndroidSettings, [23](#)
- Achievement, [17](#)
- AchievementDescription, [18](#)
- AddNewURLSchemeName
 - VoxelBusters::NativePlugins::WebView, [81](#)
- AddressBook, [20](#)
- AddressBookContact, [21](#)
 - VoxelBusters::NativePlugins::AddressBook↔
Contact, [22](#)
- Alert
 - VoxelBusters::NativePlugins, [14](#)
- AlertBody
 - VoxelBusters::NativePlugins::CrossPlatform↔
Notification, [34](#)
- AlertDialogCompletion
 - VoxelBusters::NativePlugins::UI, [73](#)
- Android
 - VoxelBusters::NativePlugins::ApplicationSettings,
[27](#)
 - VoxelBusters::NativePlugins::BillingSettings, [32](#)
 - VoxelBusters::NativePlugins::GameServices↔
Settings, [39](#)
 - VoxelBusters::NativePlugins::MediaLibrary↔
Settings, [48](#)
 - VoxelBusters::NativePlugins::NetworkConnectivity↔
Settings, [50](#)
 - VoxelBusters::NativePlugins::NotificationService↔
Settings, [53](#)
- AndroidProperties
 - VoxelBusters::NativePlugins::CrossPlatform↔
Notification, [35](#)
- ApplicationSettings, [26](#)
- Arguments
 - VoxelBusters::NativePlugins::WebViewMessage,
[84](#)
- AskForReview
 - VoxelBusters::NativePlugins::RateMyApp, [54](#)
- AskForReviewNow
 - VoxelBusters::NativePlugins::RateMyApp, [54](#)
- AuthToken
 - VoxelBusters::NativePlugins::TwitterSession, [69](#)
- AuthTokenSecret
 - VoxelBusters::NativePlugins::TwitterSession, [70](#)
- Authenticate
 - VoxelBusters::NativePlugins::LocalUser, [43](#)
- AutoShowOnLoadFinish
 - VoxelBusters::NativePlugins::WebView, [82](#)
- BOTH
 - VoxelBusters::NativePlugins, [13](#)
- BackgroundColor
 - VoxelBusters::NativePlugins::WebView, [82](#)
- Badge
 - VoxelBusters::NativePlugins, [14](#)
- Billing, [27](#)
- BillingProduct, [29](#)
- BillingProductsRequestCompletion
 - VoxelBusters::NativePlugins::Billing, [29](#)
- BillingProductsRequestFinishedEvent
 - VoxelBusters::NativePlugins::Billing, [29](#)
- BillingSettings, [31](#)
- BillingSettings.AndroidSettings, [24](#)
- BillingSettings.iOSSettings, [39](#)
- BillingTransaction, [32](#)
- BuyProduct
 - VoxelBusters::NativePlugins::Billing, [28](#)
- CAMERA
 - VoxelBusters::NativePlugins, [13](#)
- CANCELLED
 - VoxelBusters::NativePlugins, [14](#), [15](#)
- CLOSE_BUTTON
 - VoxelBusters::NativePlugins, [15](#)
- CLOSED
 - VoxelBusters::NativePlugins, [15](#)
- CanBounce
 - VoxelBusters::NativePlugins::WebView, [82](#)
- CanHide
 - VoxelBusters::NativePlugins::WebView, [82](#)
- CancelAllLocalNotification
 - VoxelBusters::NativePlugins::NotificationService,
[52](#)
- CancelLocalNotification
 - VoxelBusters::NativePlugins::NotificationService,
[51](#)
- ClearCache
 - VoxelBusters::NativePlugins::WebView, [81](#)
- ClearNotifications

- VoxelBusters::NativePlugins::NotificationService, 52
- ColouredSmallIcon
 - VoxelBusters::NativePlugins::NotificationService↔ Settings::AndroidSettings, 25
- Completed
 - VoxelBusters::NativePlugins::Achievement, 18
- ConsumerKey
 - VoxelBusters::NativePlugins::TwitterSettings, 70
- ConsumerSecret
 - VoxelBusters::NativePlugins::TwitterSettings, 70
- ContentTextKey
 - VoxelBusters::NativePlugins::NotificationService↔ Settings::AndroidSettings, 26
- ContentTitleKey
 - VoxelBusters::NativePlugins::NotificationService↔ Settings::AndroidSettings, 25
- ControlType
 - VoxelBusters::NativePlugins::WebView, 82
- Copy
 - VoxelBusters::NativePlugins::BillingProduct, 30
- CreateAchievement
 - VoxelBusters::NativePlugins::GameServices, 37
- CreateLeaderboard
 - VoxelBusters::NativePlugins::GameServices, 37
- CrossPlatformNotification, 33
- CustomVerificationFinished
 - VoxelBusters::NativePlugins::Billing, 28
- DAY
 - VoxelBusters::NativePlugins, 14
- DENIED
 - VoxelBusters::NativePlugins, 12
- DONE
 - VoxelBusters::NativePlugins, 15
- Date
 - VoxelBusters::NativePlugins::Score, 55
- DeleteURLRequest
 - VoxelBusters::NativePlugins::Twitter, 68
- Description
 - VoxelBusters::NativePlugins::BillingProduct, 30
- Destroy
 - VoxelBusters::NativePlugins::WebView, 79
- DidDestroyEvent
 - VoxelBusters::NativePlugins::WebView, 83
- DidFailLoadWithErrorEvent
 - VoxelBusters::NativePlugins::WebView, 83
- DidFinishEvaluatingJavaScriptEvent
 - VoxelBusters::NativePlugins::WebView, 83
- DidFinishLoadEvent
 - VoxelBusters::NativePlugins::WebView, 83
- DidFinishRegisterForRemoteNotificationEvent
 - VoxelBusters::NativePlugins::NotificationService, 52
- DidHideEvent
 - VoxelBusters::NativePlugins::WebView, 82
- DidLaunchWithLocalNotificationEvent
 - VoxelBusters::NativePlugins::NotificationService, 52
- DidLaunchWithRemoteNotificationEvent
 - VoxelBusters::NativePlugins::NotificationService, 52
- DidReceiveLocalNotificationEvent
 - VoxelBusters::NativePlugins::NotificationService, 53
- DidReceiveMessageEvent
 - VoxelBusters::NativePlugins::WebView, 83
- DidReceiveRemoteNotificationEvent
 - VoxelBusters::NativePlugins::NotificationService, 53
- DidShowEvent
 - VoxelBusters::NativePlugins::WebView, 82
- DidStartLoadEvent
 - VoxelBusters::NativePlugins::WebView, 83
- eABAuthorizationStatus
 - VoxelBusters::NativePlugins, 12
- eBillingTransactionState
 - VoxelBusters::NativePlugins, 12
- eBillingTransactionVerificationState
 - VoxelBusters::NativePlugins, 12
- eImageSource
 - VoxelBusters::NativePlugins, 13
- eLeaderboardPageDirection
 - VoxelBusters::NativePlugins, 13
- eLeaderboardTimeScope
 - VoxelBusters::NativePlugins, 13
- eLeaderboardUserScope
 - VoxelBusters::NativePlugins, 13
- eNotificationRepeatInterval
 - VoxelBusters::NativePlugins, 14
- ePickImageFinishReason
 - VoxelBusters::NativePlugins, 13
- ePickVideoFinishReason
 - VoxelBusters::NativePlugins, 14
- ePlayVideoFinishReason
 - VoxelBusters::NativePlugins, 14
- eShareOptions
 - VoxelBusters::NativePlugins, 15
- eShareResult
 - VoxelBusters::NativePlugins, 14
- eTwitterComposerResult
 - VoxelBusters::NativePlugins, 15
- eWebviewControllerType
 - VoxelBusters::NativePlugins, 15
- Editor
 - VoxelBusters::NativePlugins::NetworkConnectivity↔ Settings, 50
- EmailIDList
 - VoxelBusters::NativePlugins::AddressBook↔ Contact, 22
- Error
 - VoxelBusters::NativePlugins::BillingTransaction, 33
- EvaluateJavaScriptFromString
 - VoxelBusters::NativePlugins::WebView, 81
- FAILED
 - VoxelBusters::NativePlugins, 12–14

- FB
 - VoxelBusters::NativePlugins, [15](#)
- FRIENDS_ONLY
 - VoxelBusters::NativePlugins, [13](#)
- FireDate
 - VoxelBusters::NativePlugins::CrossPlatform↔
Notification, [34](#)
- FirstName
 - VoxelBusters::NativePlugins::AddressBook↔
Contact, [22](#)
- FormattedValue
 - VoxelBusters::NativePlugins::Score, [55](#)
- Frame
 - VoxelBusters::NativePlugins::WebView, [82](#)
- Friends
 - VoxelBusters::NativePlugins::LocalUser, [44](#)
- GLOBAL
 - VoxelBusters::NativePlugins, [13](#)
- GameServices, [36](#)
- GameServicesSettings, [39](#)
- GameServicesSettings.AndroidSettings, [23](#)
- GetAuthToken
 - VoxelBusters::NativePlugins::Twitter, [65](#)
- GetAuthTokenSecret
 - VoxelBusters::NativePlugins::Twitter, [65](#)
- GetAuthorizationStatus
 - VoxelBusters::NativePlugins::AddressBook, [20](#)
- GetBundleIdentifier
 - VoxelBusters::NativePlugins::Utility, [77](#)
- GetBundleVersion
 - VoxelBusters::NativePlugins::Utility, [76](#)
- GetImageAsync
 - VoxelBusters::NativePlugins::Achievement↔
Description, [19](#)
 - VoxelBusters::NativePlugins::AddressBook↔
Contact, [22](#)
 - VoxelBusters::NativePlugins::LocalUser, [44](#)
 - VoxelBusters::NativePlugins::User, [75](#)
- GetURLRequest
 - VoxelBusters::NativePlugins::Twitter, [67](#)
- GetUUID
 - VoxelBusters::NativePlugins::Utility, [76](#)
- GetUserID
 - VoxelBusters::NativePlugins::Twitter, [65](#)
- GetUserName
 - VoxelBusters::NativePlugins::Twitter, [66](#)
- HOUR
 - VoxelBusters::NativePlugins, [14](#)
- Hide
 - VoxelBusters::NativePlugins::WebView, [80](#)
- Host
 - VoxelBusters::NativePlugins::WebViewMessage, [84](#)
- IOS
 - VoxelBusters::NativePlugins::ApplicationSettings, [26](#)
- iOS
 - VoxelBusters::NativePlugins::BillingSettings, [31](#)
 - VoxelBusters::NativePlugins::NotificationService↔
Settings, [53](#)
- iOSProperties
 - VoxelBusters::NativePlugins::CrossPlatform↔
Notification, [35](#)
- IPAddress
 - VoxelBusters::NativePlugins::NetworkConnectivity↔
Settings, [50](#)
- Identifier
 - VoxelBusters::NativePlugins::Achievement, [18](#)
 - VoxelBusters::NativePlugins::Achievement↔
Description, [19](#)
 - VoxelBusters::NativePlugins::Leaderboard, [42](#)
 - VoxelBusters::NativePlugins::LocalUser, [44](#)
 - VoxelBusters::NativePlugins::User, [75](#)
- ImagePath
 - VoxelBusters::NativePlugins::AddressBook↔
Contact, [22](#)
- Initialise
 - VoxelBusters::NativePlugins::NetworkConnectivity, [49](#)
 - VoxelBusters::NativePlugins::Twitter, [65](#)
- IsAuthenticated
 - VoxelBusters::NativePlugins::LocalUser, [44](#)
- IsAvailable
 - VoxelBusters::NativePlugins::GameServices, [36](#)
- IsCameraSupported
 - VoxelBusters::NativePlugins::MediaLibrary, [45](#)
- IsConnected
 - VoxelBusters::NativePlugins::NetworkConnectivity, [49](#)
- IsConsumable
 - VoxelBusters::NativePlugins::BillingProduct, [30](#)
- IsDebugMode
 - VoxelBusters::NativePlugins::ApplicationSettings, [26](#)
- IsHidden
 - VoxelBusters::NativePlugins::Achievement↔
Description, [20](#)
- IsLoggedIn
 - VoxelBusters::NativePlugins::Twitter, [65](#)
- IsMailServiceAvailable
 - VoxelBusters::NativePlugins::Sharing, [60](#)
- IsMessagingServiceAvailable
 - VoxelBusters::NativePlugins::Sharing, [62](#)
- IsProductPurchased
 - VoxelBusters::NativePlugins::Billing, [28](#)
- IsProtected
 - VoxelBusters::NativePlugins::TwitterUser, [71](#)
- IsVerified
 - VoxelBusters::NativePlugins::TwitterUser, [71](#)
- IsWhatsAppServiceAvailable
 - VoxelBusters::NativePlugins::Sharing, [62](#)
- LastName
 - VoxelBusters::NativePlugins::AddressBook↔
Contact, [22](#)

- LastReportedDate
 - VoxelBusters::NativePlugins::Achievement, [18](#)
- Leaderboard, [40](#)
- LeaderboardID
 - VoxelBusters::NativePlugins::Score, [55](#)
- LoadAchievementDescriptions
 - VoxelBusters::NativePlugins::GameServices, [37](#)
- LoadAchievements
 - VoxelBusters::NativePlugins::GameServices, [37](#)
- LoadData
 - VoxelBusters::NativePlugins::WebView, [81](#)
- LoadFile
 - VoxelBusters::NativePlugins::WebView, [80](#)
- LoadFriends
 - VoxelBusters::NativePlugins::LocalUser, [43](#)
- LoadHTMLString
 - VoxelBusters::NativePlugins::WebView, [80](#)
- LoadHTMLStringContentsOfFile
 - VoxelBusters::NativePlugins::WebView, [80](#)
- LoadHTMLStringWithJavaScript
 - VoxelBusters::NativePlugins::WebView, [80](#)
- LoadMoreScores
 - VoxelBusters::NativePlugins::Leaderboard, [42](#)
- LoadPlayerCenteredScores
 - VoxelBusters::NativePlugins::Leaderboard, [41](#)
- LoadRequest
 - VoxelBusters::NativePlugins::WebView, [80](#)
- LoadScoreCompletion
 - VoxelBusters::NativePlugins::Leaderboard, [41](#)
- LoadTopScores
 - VoxelBusters::NativePlugins::Leaderboard, [41](#)
- LoadUsers
 - VoxelBusters::NativePlugins::GameServices, [38](#)
- LocalUser, [43](#)
 - VoxelBusters::NativePlugins::GameServices, [39](#)
- LocalUserScore
 - VoxelBusters::NativePlugins::Leaderboard, [42](#)
- LocalizedPrice
 - VoxelBusters::NativePlugins::BillingProduct, [31](#)
- Login
 - VoxelBusters::NativePlugins::Twitter, [65](#)
- LoginPromptCompletion
 - VoxelBusters::NativePlugins::UI, [74](#)
- Logout
 - VoxelBusters::NativePlugins::Twitter, [65](#)
- MAIL
 - VoxelBusters::NativePlugins, [15](#)
- MESSAGE
 - VoxelBusters::NativePlugins, [15](#)
- MINUTE
 - VoxelBusters::NativePlugins, [14](#)
- MONTH
 - VoxelBusters::NativePlugins, [14](#)
- MaxResults
 - VoxelBusters::NativePlugins::Leaderboard, [42](#)
- MaxRetryCount
 - VoxelBusters::NativePlugins::NetworkConnectivity↔
 - Settings::AndroidSettings, [24](#)
- VoxelBusters::NativePlugins::NetworkConnectivity↔
 - Settings::EditorSettings, [35](#)
- MaximumPoints
 - VoxelBusters::NativePlugins::Achievement↔
 - Description, [19](#)
- MediaLibrary, [44](#)
- MediaLibrarySettings, [48](#)
- MediaLibrarySettings.AndroidSettings, [23](#)
- NEXT
 - VoxelBusters::NativePlugins, [13](#)
- NO_CONTROLS
 - VoxelBusters::NativePlugins, [15](#)
- NONE
 - VoxelBusters::NativePlugins, [14](#)
- NOT_CHECKED
 - VoxelBusters::NativePlugins, [13](#)
- NOT_DETERMINED
 - VoxelBusters::NativePlugins, [12](#)
- Name
 - VoxelBusters::NativePlugins::BillingProduct, [30](#)
 - VoxelBusters::NativePlugins::LocalUser, [44](#)
 - VoxelBusters::NativePlugins::TwitterUser, [71](#)
 - VoxelBusters::NativePlugins::User, [75](#)
- NetworkConnectivity, [48](#)
- NetworkConnectivityChanged
 - VoxelBusters::NativePlugins::NetworkConnectivity, [49](#)
- NetworkConnectivityChangedEvent
 - VoxelBusters::NativePlugins::NetworkConnectivity, [49](#)
- NetworkConnectivitySettings, [49](#)
- NetworkConnectivitySettings.AndroidSettings, [24](#)
- NetworkConnectivitySettings.EditorSettings, [35](#)
- NotificationService, [50](#)
- NotificationServiceSettings, [53](#)
- NotificationServiceSettings.AndroidSettings, [24](#)
- NotificationServiceSettings.iOSSettings, [40](#)
- NotificationType
 - VoxelBusters::NativePlugins, [14](#)
- OpenStoreLink
 - VoxelBusters::NativePlugins::Utility, [76](#)
- PLAYBACK_ENDED
 - VoxelBusters::NativePlugins, [14](#)
- PLAYBACK_ERROR
 - VoxelBusters::NativePlugins, [14](#)
- PREVIOUS
 - VoxelBusters::NativePlugins, [13](#)
- PURCHASED
 - VoxelBusters::NativePlugins, [12](#)
- PercentageCompleted
 - VoxelBusters::NativePlugins::Achievement, [18](#)
- PhoneNumberList
 - VoxelBusters::NativePlugins::AddressBook↔
 - Contact, [22](#)
- PickImage
 - VoxelBusters::NativePlugins::MediaLibrary, [45](#)

- PickImageCompletion
 - VoxelBusters::NativePlugins::MediaLibrary, [47](#)
- PickVideoCompletion
 - VoxelBusters::NativePlugins::MediaLibrary, [47](#)
- PlayEmbeddedVideo
 - VoxelBusters::NativePlugins::MediaLibrary, [47](#)
- PlayServicesApplicationID
 - VoxelBusters::NativePlugins::GameServices↔
Settings::AndroidSettings, [23](#)
- PlayVideoCompletion
 - VoxelBusters::NativePlugins::MediaLibrary, [47](#)
- PlayVideoFromGallery
 - VoxelBusters::NativePlugins::MediaLibrary, [47](#)
- PlayVideoFromURL
 - VoxelBusters::NativePlugins::MediaLibrary, [47](#)
- PlayYoutubeVideo
 - VoxelBusters::NativePlugins::MediaLibrary, [46](#)
- PointsScored
 - VoxelBusters::NativePlugins::Achievement, [18](#)
- PostURLRequest
 - VoxelBusters::NativePlugins::Twitter, [67](#)
- Price
 - VoxelBusters::NativePlugins::BillingProduct, [30](#)
- ProductIdentifier
 - VoxelBusters::NativePlugins::BillingProduct, [31](#)
 - VoxelBusters::NativePlugins::BillingTransaction, [32](#)
- Products
 - VoxelBusters::NativePlugins::BillingSettings, [31](#)
- ProfileImageURL
 - VoxelBusters::NativePlugins::TwitterUser, [72](#)
- PutURLRequest
 - VoxelBusters::NativePlugins::Twitter, [68](#)
- REFUNDED
 - VoxelBusters::NativePlugins, [12](#)
- RESTORED
 - VoxelBusters::NativePlugins, [12](#)
- RESTRICTED
 - VoxelBusters::NativePlugins, [12](#)
- Rank
 - VoxelBusters::NativePlugins::Score, [55](#)
- RateMyApp, [54](#)
- RawPurchaseData
 - VoxelBusters::NativePlugins::BillingTransaction, [33](#)
- ReadContacts
 - VoxelBusters::NativePlugins::AddressBook, [20](#)
- ReadContactsCompletion
 - VoxelBusters::NativePlugins::AddressBook, [21](#)
- ReceivedNotificationResponse
 - VoxelBusters::NativePlugins::NotificationService, [52](#)
- RegisterForRemoteNotificationCompletion
 - VoxelBusters::NativePlugins::NotificationService, [52](#)
- RegisterForRemoteNotifications
 - VoxelBusters::NativePlugins::NotificationService, [52](#)
- RegisterNotificationTypes
 - VoxelBusters::NativePlugins::NotificationService, [51](#)
- Reload
 - VoxelBusters::NativePlugins::WebView, [81](#)
- RepeatInterval
 - VoxelBusters::NativePlugins::CrossPlatform↔
Notification, [34](#)
- ReportProgress
 - VoxelBusters::NativePlugins::Achievement, [17](#)
 - VoxelBusters::NativePlugins::GameServices, [37](#)
- ReportScore
 - VoxelBusters::NativePlugins::GameServices, [38](#)
 - VoxelBusters::NativePlugins::Score, [55](#)
- RequestAccountDetails
 - VoxelBusters::NativePlugins::Twitter, [67](#)
- RequestEmailAccess
 - VoxelBusters::NativePlugins::Twitter, [67](#)
- RequestForBillingProducts
 - VoxelBusters::NativePlugins::Billing, [28](#)
- RestoreCompletedTransactions
 - VoxelBusters::NativePlugins::Billing, [28](#)
- SELECTED
 - VoxelBusters::NativePlugins, [14](#)
- SUCCESS
 - VoxelBusters::NativePlugins, [13](#)
- SaveImageToGallery
 - VoxelBusters::NativePlugins::MediaLibrary, [46](#)
- SaveImageToGalleryCompletion
 - VoxelBusters::NativePlugins::MediaLibrary, [47](#)
- SaveScreenshotToGallery
 - VoxelBusters::NativePlugins::MediaLibrary, [46](#)
- ScalesPageToFit
 - VoxelBusters::NativePlugins::WebView, [82](#)
- ScheduleLocalNotification
 - VoxelBusters::NativePlugins::NotificationService, [51](#)
- SchemaName
 - VoxelBusters::NativePlugins::WebViewMessage, [84](#)
- Score, [54](#)
- Scores
 - VoxelBusters::NativePlugins::Leaderboard, [42](#)
- SendHTMLTextMail
 - VoxelBusters::NativePlugins::Sharing, [61](#)
- SendMail
 - VoxelBusters::NativePlugins::Sharing, [62](#)
- SendMailWithAttachment
 - VoxelBusters::NativePlugins::Sharing, [61](#)
- SendMailWithScreenshot
 - VoxelBusters::NativePlugins::Sharing, [61](#)
- SendMailWithTexture
 - VoxelBusters::NativePlugins::Sharing, [61](#)
- SendPlainTextMail
 - VoxelBusters::NativePlugins::Sharing, [60](#)
- SendTextMessage
 - VoxelBusters::NativePlugins::Sharing, [62](#)
- SenderIdList

- VoxelBusters::NativePlugins::NotificationService↔
 - Settings::AndroidSettings, 25
- SetApplicationIconBadgeNumber
 - VoxelBusters::NativePlugins::Utility, 76
- SetPopoverPoint
 - VoxelBusters::NativePlugins::UI, 73
- SetPopoverPointAtLastTouchPosition
 - VoxelBusters::NativePlugins::UI, 73
- Share
 - VoxelBusters::NativePlugins::Sharing, 60
- ShareImage
 - VoxelBusters::NativePlugins::Sharing, 59
- ShareImageAtPath
 - VoxelBusters::NativePlugins::Sharing, 60
- ShareImageOnSocialNetwork
 - VoxelBusters::NativePlugins::Sharing, 58
- ShareImageOnWhatsApp
 - VoxelBusters::NativePlugins::Sharing, 63
- ShareMessage
 - VoxelBusters::NativePlugins::Sharing, 59
- ShareScreenShot
 - VoxelBusters::NativePlugins::Sharing, 59
- ShareScreenShotOnSocialNetwork
 - VoxelBusters::NativePlugins::Sharing, 58
- ShareScreenshotOnWhatsApp
 - VoxelBusters::NativePlugins::Sharing, 63
- ShareTextMessageOnSocialNetwork
 - VoxelBusters::NativePlugins::Sharing, 57
- ShareTextMessageOnWhatsApp
 - VoxelBusters::NativePlugins::Sharing, 63
- ShareURL
 - VoxelBusters::NativePlugins::Sharing, 59
- ShareURLOnSocialNetwork
 - VoxelBusters::NativePlugins::Sharing, 58
- Sharing, 56
- SharingCompletion
 - VoxelBusters::NativePlugins::Sharing, 60
- Show
 - VoxelBusters::NativePlugins::WebView, 80
- ShowAchievementsUI
 - VoxelBusters::NativePlugins::GameServices, 38
- ShowAlertDialogWithMultipleButtons
 - VoxelBusters::NativePlugins::UI, 73
- ShowAlertDialogWithSingleButton
 - VoxelBusters::NativePlugins::UI, 73
- ShowDefaultAchievementCompletionBanner
 - VoxelBusters::NativePlugins::GameServices, 38
- ShowLeaderboardUI
 - VoxelBusters::NativePlugins::GameServices, 38
- ShowLoginPromptDialog
 - VoxelBusters::NativePlugins::UI, 74
- ShowSingleFieldPromptDialogWithPlainText
 - VoxelBusters::NativePlugins::UI, 73
- ShowSingleFieldPromptDialogWithSecuredText
 - VoxelBusters::NativePlugins::UI, 74
- ShowSpinnerOnLoad
 - VoxelBusters::NativePlugins::WebView, 82
- ShowTweetComposer
 - VoxelBusters::NativePlugins::Twitter, 67
- ShowTweetComposerWithImage
 - VoxelBusters::NativePlugins::Twitter, 66
- ShowTweetComposerWithLink
 - VoxelBusters::NativePlugins::Twitter, 66
- ShowTweetComposerWithMessage
 - VoxelBusters::NativePlugins::Twitter, 66
- ShowTweetComposerWithScreenshot
 - VoxelBusters::NativePlugins::Twitter, 66
- SingleFieldPromptCompletion
 - VoxelBusters::NativePlugins::UI, 74
- Sound
 - VoxelBusters::NativePlugins, 14
- StopLoading
 - VoxelBusters::NativePlugins::WebView, 81
- StoreIdentifier
 - VoxelBusters::NativePlugins::ApplicationSettings, 27
- SupportsReceiptValidation
 - VoxelBusters::NativePlugins::BillingSettings::iOS↔
 - Settings, 40
- TODAY
 - VoxelBusters::NativePlugins, 13
- TOOLBAR
 - VoxelBusters::NativePlugins, 15
- TWITTER
 - VoxelBusters::NativePlugins, 15
- TWTRAccountDetailsCompletion
 - VoxelBusters::NativePlugins::Twitter, 68
- TWTREmailAccessCompletion
 - VoxelBusters::NativePlugins::Twitter, 68
- TWTRLoginCompletion
 - VoxelBusters::NativePlugins::Twitter, 68
- TWTRResonse
 - VoxelBusters::NativePlugins::Twitter, 69
- TWTRTweetCompletion
 - VoxelBusters::NativePlugins::Twitter, 68
- TagKey
 - VoxelBusters::NativePlugins::NotificationService↔
 - Settings::AndroidSettings, 26
- TickerTextKey
 - VoxelBusters::NativePlugins::NotificationService↔
 - Settings::AndroidSettings, 25
- TimeGapBetweenPolling
 - VoxelBusters::NativePlugins::NetworkConnectivity↔
 - Settings::AndroidSettings, 24
 - VoxelBusters::NativePlugins::NetworkConnectivity↔
 - Settings::EditorSettings, 35
- TimeOutPeriod
 - VoxelBusters::NativePlugins::NetworkConnectivity↔
 - Settings::AndroidSettings, 24
 - VoxelBusters::NativePlugins::NetworkConnectivity↔
 - Settings::EditorSettings, 35
- TimeScope
 - VoxelBusters::NativePlugins::Leaderboard, 42
- Title
 - VoxelBusters::NativePlugins::Achievement↔
 - Description, 19

- VoxelBusters::NativePlugins::Leaderboard, [42](#)
- ToString
 - VoxelBusters::NativePlugins::AddressBook↔
 - Contact, [22](#)
 - VoxelBusters::NativePlugins::BillingProduct, [30](#)
 - VoxelBusters::NativePlugins::CrossPlatform↔
 - Notification, [34](#)
 - VoxelBusters::NativePlugins::TwitterSession, [69](#)
 - VoxelBusters::NativePlugins::TwitterUser, [71](#)
- TransactionCompletion
 - VoxelBusters::NativePlugins::Billing, [29](#)
- TransactionDateLocal
 - VoxelBusters::NativePlugins::BillingTransaction, [33](#)
- TransactionDateUTC
 - VoxelBusters::NativePlugins::BillingTransaction, [32](#)
- TransactionFinishedEvent
 - VoxelBusters::NativePlugins::Billing, [29](#)
- TransactionIdentifier
 - VoxelBusters::NativePlugins::BillingTransaction, [33](#)
- TransactionReceipt
 - VoxelBusters::NativePlugins::BillingTransaction, [33](#)
- TransactionState
 - VoxelBusters::NativePlugins::BillingTransaction, [33](#)
- Twitter, [63](#)
- TwitterSession, [69](#)
- TwitterSettings, [70](#)
- TwitterUser, [71](#)
- UI, [72](#)
- USER_EXITED
 - VoxelBusters::NativePlugins, [14](#)
- UnachievedDescription
 - VoxelBusters::NativePlugins::Achievement↔
 - Description, [19](#)
- UnregisterForRemoteNotifications
 - VoxelBusters::NativePlugins::NotificationService, [52](#)
- User, [75](#)
 - VoxelBusters::NativePlugins::Score, [55](#)
- UserID
 - VoxelBusters::NativePlugins::TwitterSession, [70](#)
 - VoxelBusters::NativePlugins::TwitterUser, [71](#)
- UserInfo
 - VoxelBusters::NativePlugins::CrossPlatform↔
 - Notification, [34](#)
- UserInfoKey
 - VoxelBusters::NativePlugins::NotificationService↔
 - Settings::AndroidSettings, [26](#)
 - VoxelBusters::NativePlugins::NotificationService↔
 - Settings::iOSSettings, [40](#)
- UserName
 - VoxelBusters::NativePlugins::TwitterSession, [70](#)
- UserScope
 - VoxelBusters::NativePlugins::Leaderboard, [42](#)
- Utility, [76](#)
- UtilitySettings, [77](#)
- ValidateUsingAppleServer
 - VoxelBusters::NativePlugins::BillingSettings::iOS↔
 - Settings, [40](#)
- ValidateUsingServerURL
 - VoxelBusters::NativePlugins::BillingSettings::iOS↔
 - Settings, [40](#)
- Value
 - VoxelBusters::NativePlugins::Score, [55](#)
- VerificationState
 - VoxelBusters::NativePlugins::BillingTransaction, [33](#)
- VoxelBusters, [9](#)
- VoxelBusters.NativePlugins, [9](#)
- VoxelBusters.NativePlugins.Internal, [15](#)
- VoxelBusters::NativePlugins
 - ALBUM, [13](#)
 - ALL_TIME, [13](#)
 - AUTHORIZED, [12](#)
 - Alert, [14](#)
 - BOTH, [13](#)
 - Badge, [14](#)
 - CAMERA, [13](#)
 - CANCELLED, [14, 15](#)
 - CLOSE_BUTTON, [15](#)
 - CLOSED, [15](#)
 - DAY, [14](#)
 - DENIED, [12](#)
 - DONE, [15](#)
 - eABAuthorizationStatus, [12](#)
 - eBillingTransactionState, [12](#)
 - eBillingTransactionVerificationState, [12](#)
 - eImageSource, [13](#)
 - eLeaderboardPageDirection, [13](#)
 - eLeaderboardTimeScope, [13](#)
 - eLeaderboardUserScope, [13](#)
 - eNotificationRepeatInterval, [14](#)
 - ePickImageFinishReason, [13](#)
 - ePickVideoFinishReason, [14](#)
 - ePlayVideoFinishReason, [14](#)
 - eShareOptions, [15](#)
 - eShareResult, [14](#)
 - eTwitterComposerResult, [15](#)
 - eWebviewControllerType, [15](#)
 - FAILED, [12–14](#)
 - FB, [15](#)
 - FRIENDS_ONLY, [13](#)
 - GLOBAL, [13](#)
 - HOUR, [14](#)
 - MAIL, [15](#)
 - MESSAGE, [15](#)
 - MINUTE, [14](#)
 - MONTH, [14](#)
 - NEXT, [13](#)
 - NO_CONTROLS, [15](#)
 - NONE, [14](#)
 - NOT_CHECKED, [13](#)
 - NOT_DETERMINED, [12](#)
 - NotificationType, [14](#)
 - PLAYBACK_ENDED, [14](#)
 - PLAYBACK_ERROR, [14](#)

- PREVIOUS, [13](#)
- PURCHASED, [12](#)
- REFUNDED, [12](#)
- RESTORED, [12](#)
- RESTRICTED, [12](#)
- SELECTED, [14](#)
- SUCCESS, [13](#)
- Sound, [14](#)
- TODAY, [13](#)
- TOOLBAR, [15](#)
- TWITTER, [15](#)
- USER_EXITED, [14](#)
- WEEK, [13](#), [14](#)
- WHATSAPP, [15](#)
- YEAR, [14](#)
- VoxelBusters::NativePlugins::Achievement
 - Completed, [18](#)
 - Identifier, [18](#)
 - LastReportedDate, [18](#)
 - PercentageCompleted, [18](#)
 - PointsScored, [18](#)
 - ReportProgress, [17](#)
- VoxelBusters::NativePlugins::AchievementDescription
 - AchievedDescription, [19](#)
 - GetImageAsync, [19](#)
 - Identifier, [19](#)
 - IsHidden, [20](#)
 - MaximumPoints, [19](#)
 - Title, [19](#)
 - UnachievedDescription, [19](#)
- VoxelBusters::NativePlugins::AddressBook
 - GetAuthorizationStatus, [20](#)
 - ReadContacts, [20](#)
 - ReadContactsCompletion, [21](#)
- VoxelBusters::NativePlugins::AddressBookContact
 - AddressBookContact, [22](#)
 - EmailIDList, [22](#)
 - FirstName, [22](#)
 - GetImageAsync, [22](#)
 - ImagePath, [22](#)
 - LastName, [22](#)
 - PhoneNumberList, [22](#)
 - ToString, [22](#)
- VoxelBusters::NativePlugins::ApplicationSettings
 - Android, [27](#)
 - IOS, [26](#)
 - IsDebugMode, [26](#)
 - StoreIdentifier, [27](#)
- VoxelBusters::NativePlugins::Billing
 - BillingProductsRequestCompletion, [29](#)
 - BillingProductsRequestFinishedEvent, [29](#)
 - BuyProduct, [28](#)
 - CustomVerificationFinished, [28](#)
 - IsProductPurchased, [28](#)
 - RequestForBillingProducts, [28](#)
 - RestoreCompletedTransactions, [28](#)
 - TransactionCompletion, [29](#)
 - TransactionFinishedEvent, [29](#)
- VoxelBusters::NativePlugins::BillingProduct
 - Copy, [30](#)
 - Description, [30](#)
 - IsConsumable, [30](#)
 - LocalizedPrice, [31](#)
 - Name, [30](#)
 - Price, [30](#)
 - ProductIdentifier, [31](#)
 - ToString, [30](#)
- VoxelBusters::NativePlugins::BillingSettings
 - Android, [32](#)
 - iOS, [31](#)
 - Products, [31](#)
- VoxelBusters::NativePlugins::BillingSettings::iOS↔Settings
 - SupportsReceiptValidation, [40](#)
 - ValidateUsingAppleServer, [40](#)
 - ValidateUsingServerURL, [40](#)
- VoxelBusters::NativePlugins::BillingTransaction
 - Error, [33](#)
 - ProductIdentifier, [32](#)
 - RawPurchaseData, [33](#)
 - TransactionDateLocal, [33](#)
 - TransactionDateUTC, [32](#)
 - TransactionIdentifier, [33](#)
 - TransactionReceipt, [33](#)
 - TransactionState, [33](#)
 - VerificationState, [33](#)
- VoxelBusters::NativePlugins::CrossPlatformNotification
 - AlertBody, [34](#)
 - AndroidProperties, [35](#)
 - FireDate, [34](#)
 - iOSProperties, [35](#)
 - RepeatInterval, [34](#)
 - ToString, [34](#)
 - UserInfo, [34](#)
- VoxelBusters::NativePlugins::GameServices
 - CreateAchievement, [37](#)
 - CreateLeaderboard, [37](#)
 - IsAvailable, [36](#)
 - LoadAchievementDescriptions, [37](#)
 - LoadAchievements, [37](#)
 - LoadUsers, [38](#)
 - LocalUser, [39](#)
 - ReportProgress, [37](#)
 - ReportScore, [38](#)
 - ShowAchievementsUI, [38](#)
 - ShowDefaultAchievementCompletionBanner, [38](#)
 - ShowLeaderboardUI, [38](#)
- VoxelBusters::NativePlugins::GameServicesSettings
 - Android, [39](#)
- VoxelBusters::NativePlugins::GameServicesSettings::↔AndroidSettings
 - AchievedDescriptionFormats, [23](#)
 - PlayServicesApplicationID, [23](#)
- VoxelBusters::NativePlugins::Leaderboard
 - Identifier, [42](#)
 - LoadMoreScores, [42](#)

- LoadPlayerCenteredScores, [41](#)
- LoadScoreCompletion, [41](#)
- LoadTopScores, [41](#)
- LocalUserScore, [42](#)
- MaxResults, [42](#)
- Scores, [42](#)
- TimeScope, [42](#)
- Title, [42](#)
- UserScope, [42](#)
- VoxelBusters::NativePlugins::LocalUser
 - Authenticate, [43](#)
 - Friends, [44](#)
 - GetImageAsync, [44](#)
 - Identifier, [44](#)
 - IsAuthenticated, [44](#)
 - LoadFriends, [43](#)
 - Name, [44](#)
- VoxelBusters::NativePlugins::MediaLibrary
 - IsCameraSupported, [45](#)
 - PickImage, [45](#)
 - PickImageCompletion, [47](#)
 - PickVideoCompletion, [47](#)
 - PlayEmbeddedVideo, [47](#)
 - PlayVideoCompletion, [47](#)
 - PlayVideoFromGallery, [47](#)
 - PlayVideoFromURL, [47](#)
 - PlayYoutubeVideo, [46](#)
 - SavelImageToGallery, [46](#)
 - SavelImageToGalleryCompletion, [47](#)
 - SaveScreenshotToGallery, [46](#)
- VoxelBusters::NativePlugins::MediaLibrarySettings
 - Android, [48](#)
- VoxelBusters::NativePlugins::MediaLibrarySettings::↔
 - AndroidSettings
 - YoutubeAPIKey, [23](#)
- VoxelBusters::NativePlugins::NetworkConnectivity
 - Initialise, [49](#)
 - IsConnected, [49](#)
 - NetworkConnectivityChanged, [49](#)
 - NetworkConnectivityChangedEvent, [49](#)
- VoxelBusters::NativePlugins::NetworkConnectivity↔
 - Settings
 - Android, [50](#)
 - Editor, [50](#)
 - IPAddress, [50](#)
- VoxelBusters::NativePlugins::NetworkConnectivity↔
 - Settings::AndroidSettings
 - MaxRetryCount, [24](#)
 - TimeGapBetweenPolling, [24](#)
 - TimeOutPeriod, [24](#)
- VoxelBusters::NativePlugins::NetworkConnectivity↔
 - Settings::EditorSettings
 - MaxRetryCount, [35](#)
 - TimeGapBetweenPolling, [35](#)
 - TimeOutPeriod, [35](#)
- VoxelBusters::NativePlugins::NotificationService
 - CancelAllLocalNotification, [52](#)
 - CancelLocalNotification, [51](#)
 - ClearNotifications, [52](#)
 - DidFinishRegisterForRemoteNotificationEvent, [52](#)
 - DidLaunchWithLocalNotificationEvent, [52](#)
 - DidLaunchWithRemoteNotificationEvent, [52](#)
 - DidReceiveLocalNotificationEvent, [53](#)
 - DidReceiveRemoteNotificationEvent, [53](#)
 - ReceivedNotificationResponse, [52](#)
 - RegisterForRemoteNotificationCompletion, [52](#)
 - RegisterForRemoteNotifications, [52](#)
 - RegisterNotificationTypes, [51](#)
 - ScheduleLocalNotification, [51](#)
 - UnregisterForRemoteNotifications, [52](#)
- VoxelBusters::NativePlugins::NotificationService↔
 - Settings
 - Android, [53](#)
 - iOS, [53](#)
- VoxelBusters::NativePlugins::NotificationService↔
 - Settings::AndroidSettings
 - ColouredSmallIcon, [25](#)
 - ContentTextKey, [26](#)
 - ContentTitleKey, [25](#)
 - SenderIDList, [25](#)
 - TagKey, [26](#)
 - TickerTextKey, [25](#)
 - UserInfoKey, [26](#)
 - WhiteSmallIcon, [25](#)
- VoxelBusters::NativePlugins::NotificationService↔
 - Settings::iOSSettings
 - UserInfoKey, [40](#)
- VoxelBusters::NativePlugins::RateMyApp
 - AskForReview, [54](#)
 - AskForReviewNow, [54](#)
- VoxelBusters::NativePlugins::Score
 - Date, [55](#)
 - FormattedValue, [55](#)
 - LeaderboardID, [55](#)
 - Rank, [55](#)
 - ReportScore, [55](#)
 - User, [55](#)
 - Value, [55](#)
- VoxelBusters::NativePlugins::Sharing
 - IsMailServiceAvailable, [60](#)
 - IsMessagingServiceAvailable, [62](#)
 - IsWhatsAppServiceAvailable, [62](#)
 - SendHTMLTextMail, [61](#)
 - SendMail, [62](#)
 - SendMailWithAttachment, [61](#)
 - SendMailWithScreenshot, [61](#)
 - SendMailWithTexture, [61](#)
 - SendPlainTextMail, [60](#)
 - SendTextMessage, [62](#)
 - Share, [60](#)
 - ShareImage, [59](#)
 - ShareImageAtPath, [60](#)
 - ShareImageOnSocialNetwork, [58](#)
 - ShareImageOnWhatsApp, [63](#)
 - ShareMessage, [59](#)
 - ShareScreenShot, [59](#)

- ShareScreenShotOnSocialNetwork, 58
- ShareScreenshotOnWhatsApp, 63
- ShareTextMessageOnSocialNetwork, 57
- ShareTextMessageOnWhatsApp, 63
- ShareURL, 59
- ShareURLOnSocialNetwork, 58
- SharingCompletion, 60
- VoxelBusters::NativePlugins::Twitter
 - DeleteURLRequest, 68
 - GetAuthToken, 65
 - GetAuthTokenSecret, 65
 - GetURLRequest, 67
 - GetUserID, 65
 - GetUserName, 66
 - Initialise, 65
 - IsLoggedIn, 65
 - Login, 65
 - Logout, 65
 - PostURLRequest, 67
 - PutURLRequest, 68
 - RequestAccountDetails, 67
 - RequestEmailAccess, 67
 - ShowTweetComposer, 67
 - ShowTweetComposerWithImage, 66
 - ShowTweetComposerWithLink, 66
 - ShowTweetComposerWithMessage, 66
 - ShowTweetComposerWithScreenshot, 66
 - TWTRAccountDetailsCompletion, 68
 - TWTREmailAccessCompletion, 68
 - TWTRLoginCompletion, 68
 - TWTRResonse, 69
 - TWTRTweetCompletion, 68
- VoxelBusters::NativePlugins::TwitterSession
 - AuthToken, 69
 - AuthTokenSecret, 70
 - ToString, 69
 - UserID, 70
 - UserName, 70
- VoxelBusters::NativePlugins::TwitterSettings
 - ConsumerKey, 70
 - ConsumerSecret, 70
- VoxelBusters::NativePlugins::TwitterUser
 - IsProtected, 71
 - IsVerified, 71
 - Name, 71
 - ProfileImageURL, 72
 - ToString, 71
 - UserID, 71
- VoxelBusters::NativePlugins::UI
 - AlertDialogCompletion, 73
 - LoginPromptCompletion, 74
 - SetPopoverPoint, 73
 - SetPopoverPointAtLastTouchPosition, 73
 - ShowAlertDialogWithMultipleButtons, 73
 - ShowAlertDialogWithSingleButton, 73
 - ShowLoginPromptDialog, 74
 - ShowSingleFieldPromptDialogWithPlainText, 73
 - ShowSingleFieldPromptDialogWithSecuredText, 74
 - SingleFieldPromptCompletion, 74
- VoxelBusters::NativePlugins::User
 - GetImageAsync, 75
 - Identifier, 75
 - Name, 75
- VoxelBusters::NativePlugins::Utility
 - GetBundleIdentifier, 77
 - GetBundleVersion, 76
 - GetUUID, 76
 - OpenStoreLink, 76
 - SetApplicationIconBadgeNumber, 76
- VoxelBusters::NativePlugins::WebView
 - AddNewURLSchemeName, 81
 - AutoShowOnLoadFinish, 82
 - BackgroundColor, 82
 - CanBounce, 82
 - CanHide, 82
 - ClearCache, 81
 - ControlType, 82
 - Destroy, 79
 - DidDestroyEvent, 83
 - DidFailLoadWithErrorEvent, 83
 - DidFinishEvaluatingJavaScriptEvent, 83
 - DidFinishLoadEvent, 83
 - DidHideEvent, 82
 - DidReceiveMessageEvent, 83
 - DidShowEvent, 82
 - DidStartLoadEvent, 83
 - EvaluateJavaScriptFromString, 81
 - Frame, 82
 - Hide, 80
 - LoadData, 81
 - LoadFile, 80
 - LoadHTMLString, 80
 - LoadHTMLStringContentsOfFile, 80
 - LoadHTMLStringWithJavaScript, 80
 - LoadRequest, 80
 - Reload, 81
 - ScalesPageToFit, 82
 - Show, 80
 - ShowSpinnerOnLoad, 82
 - StopLoading, 81
 - WebViewEvent, 79
 - WebViewFailedLoad, 79
 - WebViewFinishedEvaluatingJS, 79
 - WebViewReceivedMessage, 79
- VoxelBusters::NativePlugins::WebViewMessage
 - Arguments, 84
 - Host, 84
 - SchemeName, 84
- WEEK
 - VoxelBusters::NativePlugins, 13, 14
- WHATSAPP
 - VoxelBusters::NativePlugins, 15
- WebView, 77
- WebViewEvent

VoxelBusters::NativePlugins::WebView, [79](#)
WebViewFailedLoad
VoxelBusters::NativePlugins::WebView, [79](#)
WebViewFinishedEvaluatingJS
VoxelBusters::NativePlugins::WebView, [79](#)
WebViewMessage, [83](#)
WebViewReceivedMessage
VoxelBusters::NativePlugins::WebView, [79](#)
WhiteSmallIcon
VoxelBusters::NativePlugins::NotificationService↔
Settings::AndroidSettings, [25](#)

YEAR
VoxelBusters::NativePlugins, [14](#)
YoutubeAPIKey
VoxelBusters::NativePlugins::MediaLibrary↔
Settings::AndroidSettings, [23](#)