

Namespace VoxelBusters.AdsKit

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The enumerated states of the user's interaction with the ad.

Class AdContent

Namespace: [VoxelBusters.AdsKit](#)

The ad content base class type.

```
public abstract class AdContent : AsyncOperation<ShowAdResult>
```

Inheritance

object \leftarrow [AsyncOperation<ShowAdResult>](#) \leftarrow AdContent

Derived

[BannerAdContent](#), [InterstitialAdContent](#), [RewardedVideoAdContent](#), [VideoAdContent](#)

Inherited Members

[AsyncOperation<ShowAdResult>.Start\(\)](#), [AsyncOperation<ShowAdResult>.Abort\(\)](#),
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[AsyncOperation<ShowAdResult>.Status](#), [AsyncOperation<ShowAdResult>.IsDone](#),
[AsyncOperation<ShowAdResult>.Error](#), [AsyncOperation<ShowAdResult>.Progress](#),
[AsyncOperation<ShowAdResult>.Result](#), [AsyncOperation<ShowAdResult>.OnProgress](#),
[AsyncOperation<ShowAdResult>.OnComplete](#), [AsyncOperation<ShowAdResult>.Reset\(\)](#)

Constructors

AdContent(AdType, string, AdsManagerImpl, AdNetworkAdapter)

```
public AdContent(AdType adType, string placement, AdsManagerImpl manager = null,  
AdNetworkAdapter provider = null)
```

Parameters

adType [AdType](#)

placement string

manager [AdsManagerImpl](#)

provider [AdNetworkAdapter](#)

Fields

m_status

```
protected AdContent.ContentStatus m_status
```

Field Value

[AdContent.ContentStatus](#)

Properties

AdType

```
public AdType AdType { get; }
```

Property Value

[AdType](#)

AdUnitId

```
public string AdUnitId { get; }
```

Property Value

string

CurrentState

```
public ShowAdStateInfo CurrentState { get; protected set; }
```

Property Value

[ShowAdStateInfo](#)

IsReady

```
public bool IsReady { get; }
```

Property Value

bool

IsShowing

```
public bool IsShowing { get; }
```

Property Value

bool

IsShowingOrWillShow

```
public bool IsShowingOrWillShow { get; }
```

Property Value

bool

Placement

```
public string Placement { get; }
```

Property Value

string

ProviderId

```
public string ProviderId { get; }
```

Property Value

string

Methods

BuildContentOptions()

```
protected virtual AdContentOptions BuildContentOptions()
```

Returns

[AdContentOptions](#)

CanAcceptEvent(string)

```
protected bool CanAcceptEvent(string placement)
```

Parameters

placement string

Returns

bool

DestroyAd()

```
public void DestroyAd()
```

LoadAd()

```
public LoadAdRequest LoadAd()
```

Returns

[LoadAdRequest](#)

OnEnd()

```
protected override void OnEnd()
```

OnStart()

```
protected override void OnStart()
```

SetContentStatus(ContentStatus)

```
protected void SetContentStatus(AdContent.ContentStatus value)
```

Parameters

value [AdContent.ContentStatus](#)

ShowAd()

```
public void ShowAd()
```

Events

OnAdClick

```
public event Callback<AdContent> OnAdClick
```

Event Type

[Callback<AdContent>](#)

OnAdFail

```
public event Callback<AdContent> OnAdFail
```

Event Type

[Callback<AdContent>](#)

OnAdFinish

```
public event Callback<AdContent> OnAdFinish
```

Event Type

[Callback<AdContent>](#)

OnAdStart

```
public event Callback<AdContent> OnAdStart
```

Event Type

[Callback<AdContent>](#)

Class AdContentOptions

Namespace: [VoxelBusters.AdsKit](#)

The base class for ad content options.

```
public abstract class AdContentOptions
```

Inheritance

object ← AdContentOptions

Derived

[BannerAdOptions](#)

Constructors

AdContentOptions(AdType)

```
protected AdContentOptions(AdType targetType)
```

Parameters

targetType [AdType](#)

Class AdErrorCode

Namespace: [VoxelBusters.AdsKit](#)

Error codes.

```
public static class AdErrorCode
```

Inheritance

object ← AdErrorCode

Fields

kConfigurationNotFound

Error code indicating that system failed to show ad content.

```
public const int kConfigurationNotFound = 8
```

Field Value

int

kConsentNotAvailable

Error code indicating that system doesn't have required permissions.

```
public const int kConsentNotAvailable = 2
```

Field Value

int

kLoadFail

Error code indicating that system failed to load ad content.

```
public const int kLoadFail = 4
```

Field Value

int

kNoInternet

Error code indicating that internet connection is not available.

```
public const int kNoInternet = 3
```

Field Value

int

kNotInitialized

Error code indicating that system failed to initialize.

```
public const int kNotInitialized = 1
```

Field Value

int

kNotSupported

Error code indicating that system failed to show ad content.

```
public const int kNotSupported = 7
```

Field Value

int

kShowFail

Error code indicating that system failed to show ad content.

```
public const int kShowFail = 5
```

Field Value

int

kUnknown

Error code indicating that an unknown or unexpected error occurred.

```
public const int kUnknown = 0
```

Field Value

int

kUserCancelled

Error code indicating that system failed to show ad content.

```
public const int kUserCancelled = 6
```

Field Value

int

Enum AdPlacementState

Namespace: [VoxelBusters.AdsKit](#)

```
public enum AdPlacementState
```

Fields

Disabled = 3

The Placement has been disabled.

NoFill = 5

The Placement has no advertisements to show.

NotAvailable = 2

The Placement is not available.

Ready = 1

The Placement is ready to show ads.

Unknown = 0

The Placement state is not known.

Waiting = 4

The Placement is waiting to be ready.

Class AdPosition

Namespace: [VoxelBusters.AdsKit](#)

Specify either a preset position or an absolute position (from Top Left) with AdPosition

```
public class AdPosition
```

Inheritance

object ← AdPosition

Properties

Absolute

```
public Vector2Int? Absolute { get; }
```

Property Value

Vector2Int?

Preset

```
public AdPositionPreset? Preset { get; }
```

Property Value

[AdPositionPreset?](#)

Methods

Create(Vector2Int)

```
public static AdPosition Create(Vector2Int absolutePosition)
```

Parameters

`absolutePosition` Vector2Int

Returns

[AdPosition](#)

Create(AdPositionPreset)

```
public static AdPosition Create(AdPositionPreset preset)
```

Parameters

`preset` [AdPositionPreset](#)

Returns

[AdPosition](#)

Struct AdSize

Namespace: [VoxelBusters.AdsKit](#)

Ad size object.

```
[Serializable]  
public struct AdSize
```

Constructors

AdSize(int, int, AdSizeType, ScreenOrientation, string)

```
public AdSize(int width, int height, AdSize.AdSizeType type, ScreenOrientation  
anchorOrientation = null, string name = null)
```

Parameters

width int

height int

type [AdSize.AdSizeType](#)

anchorOrientation ScreenOrientation

name string

Properties

AnchorOrientation

```
public ScreenOrientation AnchorOrientation { get; }
```

Property Value

ScreenOrientation

Height

```
public int Height { get; }
```

Property Value

int

Name

```
public string Name { get; }
```

Property Value

string

Type

```
public AdSize.AdSizeType Type { get; }
```

Property Value

[AdSize.AdSizeType](#)

Width

```
public int Width { get; }
```

Property Value

int

Methods

AnchoredAdaptive(ScreenOrientation, int)

```
public static AdSize AnchoredAdaptive(ScreenOrientation orientation, int width)
```

Parameters

orientation ScreenOrientation

width int

Returns

[AdSize](#)

Banner()

```
public static AdSize Banner()
```

Returns

[AdSize](#)

FullBanner()

```
public static AdSize FullBanner()
```

Returns

[AdSize](#)

LargeBanner()

```
public static AdSize LargeBanner()
```

Returns

[AdSize](#)

Leaderboard()

```
public static AdSize Leaderboard()
```

Returns

[AdSize](#)

MediumRectangle()

```
public static AdSize MediumRectangle()
```

Returns

[AdSize](#)

Class AdTransaction

Namespace: [VoxelBusters.AdsKit](#)

The transaction object.

```
public class AdTransaction
```

Inheritance

object ← AdTransaction

Constructors

AdTransaction(string, AdType, string, string, string, long, Precision Type)

```
public AdTransaction(string adUnitId, AdType adType, string placement, string  
networkId, string currencyCode, long value, AdTransaction.PrecisionType precision)
```

Parameters

adUnitId string

adType [AdType](#)

placement string

networkId string

currencyCode string

value [long](#) 

precision [AdTransaction.PrecisionType](#)

Properties

AdType

```
public AdType AdType { get; }
```

Property Value

[AdType](#)

AdUnitId

```
public string AdUnitId { get; }
```

Property Value

string

CurrencyCode

```
public string CurrencyCode { get; }
```

Property Value

string

NetworkId

```
public string NetworkId { get; }
```

Property Value

string

Placement

```
public string Placement { get; }
```

Property Value

string

Precision

```
public AdTransaction.PrecisionType Precision { get; }
```

Property Value

[AdTransaction.PrecisionType](#)

Value

```
public long Value { get; }
```

Property Value

[long](#)

Methods

ToString()

Returns a string that represents the current object.

```
public override string ToString()
```

Returns

string

A string that represents the current object.

Enum AdType

Namespace: [VoxelBusters.AdsKit](#)

```
public enum AdType
```

Fields

```
Banner = 1
```

```
Interstitial = 2
```

```
RewardedVideo = 4
```

```
Video = 3
```

Class AdsManager

Namespace: [VoxelBusters.AdsKit](#)

The wrapper class used to interact with the AdsKit SDK.

```
public static class AdsManager
```

Inheritance

object ← AdsManager

Properties

AdColony

Returns AdColony adapter reference.

```
public static AdNetworkAdapter AdColony { get; }
```

Property Value

[AdNetworkAdapter](#)

AdMob

Returns AdMob adapter reference.

```
public static AdNetworkAdapter AdMob { get; }
```

Property Value

[AdNetworkAdapter](#)

AppLovin

Returns AppLovin adapter reference.

```
public static AdNetworkAdapter AppLovin { get; }
```

Property Value

[AdNetworkAdapter](#)

IsDebugBuild

Returns true if the SDK is in debug mode.

```
public static bool IsDebugBuild { get; }
```

Property Value

bool

IsInitialised

Returns true if the SDK is initialised successfully, and false if it isn't.

```
public static bool IsInitialised { get; }
```

Property Value

bool

IsInitialisedOrWillChange

Returns true if the SDK is initialised/initialising.

```
public static bool IsInitialisedOrWillChange { get; }
```

Property Value

bool

Tapjoy

Returns Tapjoy adapter reference.

```
public static AdNetworkAdapter Tapjoy { get; }
```

Property Value

[AdNetworkAdapter](#)

UnityAds

Returns UnityAds adapter reference.

```
public static AdNetworkAdapter UnityAds { get; }
```

Property Value

[AdNetworkAdapter](#)

Vungle

Returns Vungle adapter reference.

```
public static AdNetworkAdapter Vungle { get; }
```

Property Value

[AdNetworkAdapter](#)

Methods

GetAdPlacementState(string)

Returns the state of the specified placement.

```
public static AdPlacementState GetAdPlacementState(string placement)
```

Parameters

placement string

The unique identifier for a specific Placement

Returns

[AdPlacementState](#)

Placement state.

HideAd(string, bool)

Dismisses the specified ad view. This method works for Banner type.

```
public static void HideAd(string placement, bool destroy = false)
```

Parameters

placement string

The unique identifier for a specific Placement.

destroy bool

Set true if ad needs to get destroyed.

Initialise(IConsentFormProvider)

Initialises the SDK.

```
public static IAsyncOperation<InitialiseResult> Initialise(IConsentFormProvider  
consentFormProvider)
```

Parameters

`consentFormProvider` [IConsentFormProvider](#)

Returns

[IAsyncOperation](#)<[InitialiseResult](#)>

Async operation.

LoadAd(string, AdContentOptions)

Loads ad content for a specified Placement.

```
public static LoadAdRequest LoadAd(string placement, AdContentOptions options  
= null)
```

Parameters

`placement` string

The unique identifier for a specific Placement.

`options` [AdContentOptions](#)

Specify the additional options specific to the Placement.

Returns

[LoadAdRequest](#)

Async-operation reference to the load.

RegisterListener(IAdLifecycleEventListener)

Adds a listener that will receive Ads lifecycle callbacks. This method allows you to register multiple listeners.

```
public static void RegisterListener(IAdLifecycleEventListener listener)
```

Parameters

listener [AdLifecycleEventListener](#)

A listener for Ads lifecycle callbacks.

SetOrientation(ScreenOrientation)

Sets the orientation.

```
public static void SetOrientation(ScreenOrientation orientation)
```

Parameters

orientation ScreenOrientation

The orientation.

SetPlacementMeta(params AdPlacementMeta[])

Sets the Placement details. This meta information will be used to determine the specifics of the Placement such as AdType, auto-load etc

```
public static void SetPlacementMeta(params AdPlacementMeta[] array)
```

Parameters

array [AdPlacementMeta\[\]](#)

An array of the Placement meta.

SetPrivacyConfiguration(ApplicationPrivacyConfiguration)

Sets the privacy configuration.

```
public static void SetPrivacyConfiguration(ApplicationPrivacyConfiguration config)
```

Parameters

`config` [ApplicationPrivacyConfiguration](#)

The configuration.

SetUser(User)

Sets the additional information of the application user.

```
public static void SetUser(User user)
```

Parameters

`user` [User](#)

The user.

ShowAd(string)

Displays an ad in the specific Ad Unit or Placement if it is ready.

```
public static AdContent ShowAd(string placement)
```

Parameters

`placement` string

The unique identifier for a specific Placement.

Returns

[AdContent](#)

Async-operation reference to the show.

UnregisterListener(IAdLifecycleEventListener)

Allows you to remove an active listener.

```
public static void UnregisterListener(IAdLifecycleEventListener listener)
```

Parameters

listener [IAdLifecycleEventListener](#)

A listener for Ads lifecycle callbacks.

Class BannerAdContent

Namespace: [VoxelBusters.AdsKit](#)

The banner ad content object.

```
public class BannerAdContent : AdContent
```

Inheritance

object ← [AsyncOperation<ShowAdResult>](#) ← [AdContent](#) ← BannerAdContent

Inherited Members

[AdContent.m_status](#) , [AdContent.AdUnitId](#) , [AdContent.AdType](#) , [AdContent.Placement](#) ,
[AdContent.ProviderId](#) , [AdContent.IsReady](#) , [AdContent.IsShowing](#) , [AdContent.IsShowingOrWillShow](#) ,
[AdContent.CurrentState](#) , [AdContent.OnAdStart](#) , [AdContent.OnAdClick](#) , [AdContent.OnAdFinish](#) ,
[AdContent.OnAdFail](#) , [AdContent.OnStart\(\)](#) , [AdContent.OnEnd\(\)](#) , [AdContent.LoadAd\(\)](#) ,
[AdContent.ShowAd\(\)](#) , [AdContent.DestroyAd\(\)](#) , [AdContent.CanAcceptEvent\(string\)](#) ,
[AdContent.SetContentStatus\(AdContent.ContentStatus\)](#) , [AsyncOperation<ShowAdResult>.Start\(\)](#) ,
[AsyncOperation<ShowAdResult>.Abort\(\)](#) ,
[AsyncOperation<ShowAdResult>.SetIsCompleted\(ShowAdResult\)](#) ,
[AsyncOperation<ShowAdResult>.SetIsCompleted\(Error\)](#) ,
[AsyncOperation<ShowAdResult>.OnUpdate\(\)](#) , [AsyncOperation<ShowAdResult>.OnAbort\(\)](#) ,
[AsyncOperation<ShowAdResult>.Status](#) , [AsyncOperation<ShowAdResult>.IsDone](#) ,
[AsyncOperation<ShowAdResult>.Error](#) , [AsyncOperation<ShowAdResult>.Progress](#) ,
[AsyncOperation<ShowAdResult>.Result](#) , [AsyncOperation<ShowAdResult>.OnProgress](#) ,
[AsyncOperation<ShowAdResult>.OnComplete](#) , [AsyncOperation<ShowAdResult>.Reset\(\)](#)

Properties

DisplaySize

```
public Vector2Int? DisplaySize { get; }
```

Property Value

Vector2Int?

Position

```
public AdPosition Position { get; }
```

Property Value

[AdPosition](#)

RequestedSize

```
public AdSize? RequestedSize { get; }
```

Property Value

[AdSize?](#)

Methods

BuildContentOptions()

```
protected override AdContentOptions BuildContentOptions()
```

Returns

[AdContentOptions](#)

Create(string)

```
public static BannerAdContent Create(string placement)
```

Parameters

placement string

Returns

[BannerAdContent](#)

HideAd(bool)

```
public void HideAd(bool destroy = false)
```

Parameters

destroy bool

Class BannerAdOptions

Namespace: [VoxelBusters.AdsKit](#)

The base class for ad content options.

```
[Serializable]  
public class BannerAdOptions : AdContentOptions
```

Inheritance

object ← [AdContentOptions](#) ← BannerAdOptions

Constructors

BannerAdOptions(AdPosition, AdSize)

```
public BannerAdOptions(AdPosition position, AdSize size)
```

Parameters

position [AdPosition](#)

size [AdSize](#)

Properties

Position

```
public AdPosition Position { get; set; }
```

Property Value

[AdPosition](#)

Size

```
public AdSize Size { get; set; }
```

Property Value

[AdSize](#)

Interface IAdLifecycleEventListener

Namespace: [VoxelBusters.AdsKit](#)

Implement this interface to handle various states of an ad.

```
public interface IAdLifecycleEventListener : IInitialiseEventListener,  
ILoadAdEventListener, IShowAdEventListener, IEventHandler
```

Inherited Members

[IInitialiseEventListener.OnInitialisationComplete\(InitialiseResult\)](#) ,
[IInitialiseEventListener.OnInitialisationFail\(Error\)](#) ,
[ILoadAdEventListener.OnLoadAdComplete\(string, LoadAdResult\)](#) ,
[ILoadAdEventListener.OnLoadAdFail\(string, Error\)](#) , [IShowAdEventListener.OnShowAdStart\(string\)](#) ,
[IShowAdEventListener.OnShowAdClick\(string\)](#) ,
[IShowAdEventListener.OnShowAdComplete\(string, ShowAdResult\)](#) ,
[IShowAdEventListener.OnShowAdFail\(string, Error\)](#) ,
[IShowAdEventListener.OnAdImpressionRecorded\(string\)](#) ,
[IShowAdEventListener.OnAdPaid\(string, AdTransaction\)](#) , [IEventHandler.CallbackOrder](#)

Interface IConsentFormProvider

Namespace: [VoxelBusters.AdsKit](#)

```
public interface IConsentFormProvider
```

Properties

Priority

```
int Priority { get; }
```

Property Value

int

Methods

ResetConsentInformation()

```
void ResetConsentInformation()
```

ShowConsentForm(bool?, bool, CompletionCallback<ApplicationPrivacyConfiguration>)

```
void ShowConsentForm(bool? isAgeRestrictedUser = null, bool forceShow = false,  
CompletionCallback<ApplicationPrivacyConfiguration> callback = null)
```

Parameters

isAgeRestrictedUser [bool](#)[?]

forceShow bool

callback [CompletionCallback](#)<[ApplicationPrivacyConfiguration](#)>

Interface IInitialiseEventListener

Namespace: [VoxelBusters.AdsKit](#)

Implement this interface to handle Initialize results.

```
public interface IInitialiseEventListener : IEventHandler
```

Inherited Members

[IEventHandler.CallbackOrder](#)

Methods

OnInitialisationComplete(InitialiseResult)

This callback method handles logic for the SDK successfully initializing.

```
void OnInitialisationComplete(InitialiseResult result)
```

Parameters

result [InitialiseResult](#)

The result.

OnInitialisationFail(Error)

This callback method handles logic for the SDK failing to initialize.

```
void OnInitialisationFail(Error error)
```

Parameters

error [Error](#)

The error that caused initialization to fail.

Interface ILoadAdEventListener

Namespace: [VoxelBusters.AdsKit](#)

Implement this interface to handle Load results.

```
public interface ILoadAdEventListener : IEventHandler
```

Inherited Members

[IEventHandler.CallbackOrder](#)

Methods

OnLoadAdComplete(string, LoadAdResult)

This callback method handles logic for successfully loading the ad.

```
void OnLoadAdComplete(string placement, LoadAdResult result)
```

Parameters

placement string

The identifier for the ad-unit/placement that loaded content.

result [LoadAdResult](#)

The result.

OnLoadAdFail(string, Error)

This callback method handles logic for failing to load the ad.

```
void OnLoadAdFail(string placement, Error error)
```

Parameters

placement string

The identifier for the ad-unit/placement.

error [Error](#)

The error that caused load to fail.

Interface IShowAdEventListener

Namespace: [VoxelBusters.AdsKit](#)

Implement this interface to handle Show results.

```
public interface IShowAdEventListener : IEventHandler
```

Inherited Members

[IEventHandler.CallbackOrder](#)

Methods

OnAdImpressionRecorded(string)

```
void OnAdImpressionRecorded(string placement)
```

Parameters

placement string

OnAdPaid(string, AdTransaction)

```
void OnAdPaid(string placement, AdTransaction transaction)
```

Parameters

placement string

transaction [AdTransaction](#)

OnShowAdClick(string)

```
void OnShowAdClick(string placement)
```

Parameters

`placement` string

OnShowAdComplete(string, ShowAdResult)

```
void OnShowAdComplete(string placement, ShowAdResult result)
```

Parameters

`placement` string

`result` [ShowAdResult](#)

OnShowAdFail(string, Error)

```
void OnShowAdFail(string placement, Error error)
```

Parameters

`placement` string

`error` [Error](#)

OnShowAdStart(string)

```
void OnShowAdStart(string placement)
```

Parameters

`placement` string

Class InitialiseResult

Namespace: [VoxelBusters.AdsKit](#)

The object represents initialise operation result.

```
public class InitialiseResult
```

Inheritance

object ← InitialiseResult

Constructors

InitialiseResult(AdNetworkAdapter[], string[])

```
public InitialiseResult(AdNetworkAdapter[] subscribedAdNetworks,  
string[] invalidAdNetworks)
```

Parameters

subscribedAdNetworks [AdNetworkAdapter](#)[]

invalidAdNetworks [string](#)[]

Properties

InvalidNetworks

```
public string[] InvalidNetworks { get; }
```

Property Value

[string](#)[]

SubscribedAdNetworks

```
public AdNetworkAdapter[] SubscribedAdNetworks { get; }
```

Property Value

[AdNetworkAdapter\[\]](#)

Class InterstitialAdContent

Namespace: [VoxelBusters.AdsKit](#)

The interstitial ad content object.

```
public class InterstitialAdContent : AdContent
```

Inheritance

object ← [AsyncOperation<ShowAdResult>](#) ← [AdContent](#) ← InterstitialAdContent

Inherited Members

[AdContent.m_status](#) , [AdContent.AdUnitId](#) , [AdContent.AdType](#) , [AdContent.Placement](#) ,
[AdContent.ProviderId](#) , [AdContent.IsReady](#) , [AdContent.IsShowing](#) , [AdContent.IsShowingOrWillShow](#) ,
[AdContent.CurrentState](#) , [AdContent.OnAdStart](#) , [AdContent.OnAdClick](#) , [AdContent.OnAdFinish](#) ,
[AdContent.OnAdFail](#) , [AdContent.OnStart\(\)](#) , [AdContent.OnEnd\(\)](#) , [AdContent.LoadAd\(\)](#) ,
[AdContent.ShowAd\(\)](#) , [AdContent.DestroyAd\(\)](#) , [AdContent.CanAcceptEvent\(string\)](#) ,
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[AsyncOperation<ShowAdResult>.SetIsCompleted\(Error\)](#) ,
[AsyncOperation<ShowAdResult>.OnUpdate\(\)](#) , [AsyncOperation<ShowAdResult>.OnAbort\(\)](#) ,
[AsyncOperation<ShowAdResult>.Status](#) , [AsyncOperation<ShowAdResult>.IsDone](#) ,
[AsyncOperation<ShowAdResult>.Error](#) , [AsyncOperation<ShowAdResult>.Progress](#) ,
[AsyncOperation<ShowAdResult>.Result](#) , [AsyncOperation<ShowAdResult>.OnProgress](#) ,
[AsyncOperation<ShowAdResult>.OnComplete](#) , [AsyncOperation<ShowAdResult>.Reset\(\)](#)

Methods

Create(string)

```
public static InterstitialAdContent Create(string placement)
```

Parameters

placement string

Returns

[InterstitialAdContent](#)

Class LoadAdRequest

Namespace: [VoxelBusters.AdsKit](#)

Load ad request.

```
public class LoadAdRequest : AsyncOperationHandle<LoadAdResult>
```

Inheritance

object ← [AsyncOperationHandle<LoadAdResult>](#) ← LoadAdRequest

Properties

PlacementId

```
public string PlacementId { get; }
```

Property Value

string

Methods

GetAdContent()

Returns ad content associated with the request.

```
public AdContent GetAdContent()
```

Returns

[AdContent](#)

The ad content.

Class LoadAdResult

Namespace: [VoxelBusters.AdsKit](#)

The object represents load ads result.

```
public class LoadAdResult
```

Inheritance

object ← LoadAdResult

Constructors

LoadAdResult(string, AdType, string, AdPlacementState, AdNetworkLoadAdStateInfo[], string)

```
public LoadAdResult(string adUnitId, AdType adType, string placement,
    AdPlacementState placementState, AdNetworkLoadAdStateInfo[] loadStateArray, string
    preferredAdProvider = null)
```

Parameters

adUnitId string

adType [AdType](#)

placement string

placementState [AdPlacementState](#)

loadStateArray [AdNetworkLoadAdStateInfo\[\]](#)

preferredAdProvider string

Properties

AdType

```
public AdType AdType { get; }
```

Property Value

[AdType](#)

AdUnitId

```
public string AdUnitId { get; }
```

Property Value

string

LoadStateArray

```
public AdNetworkLoadAdStateInfo[] LoadStateArray { get; }
```

Property Value

[AdNetworkLoadAdStateInfo\[\]](#)

Placement

```
public string Placement { get; }
```

Property Value

string

PlacementState

```
public AdPlacementState PlacementState { get; }
```

Property Value

[AdPlacementState](#)

PreferredAdProvider

```
public string PreferredAdProvider { get; }
```

Property Value

string

Class RewardedVideoAdContent

Namespace: [VoxelBusters.AdsKit](#)

The rewarded video ad content object.

```
public class RewardedVideoAdContent : AdContent
```

Inheritance

object ← [AsyncOperation<ShowAdResult>](#) ← [AdContent](#) ← RewardedVideoAdContent

Inherited Members

[AdContent.m_status](#) , [AdContent.AdUnitId](#) , [AdContent.AdType](#) , [AdContent.Placement](#) ,
[AdContent.ProviderId](#) , [AdContent.IsReady](#) , [AdContent.IsShowing](#) , [AdContent.IsShowingOrWillShow](#) ,
[AdContent.CurrentState](#) , [AdContent.OnAdStart](#) , [AdContent.OnAdClick](#) , [AdContent.OnAdFinish](#) ,
[AdContent.OnAdFail](#) , [AdContent.OnStart\(\)](#) , [AdContent.OnEnd\(\)](#) , [AdContent.LoadAd\(\)](#) ,
[AdContent.ShowAd\(\)](#) , [AdContent.DestroyAd\(\)](#) , [AdContent.CanAcceptEvent\(string\)](#) ,
[AdContent.BuildContentOptions\(\)](#) , [AdContent.SetContentStatus\(AdContent.ContentStatus\)](#) ,
[AsyncOperation<ShowAdResult>.Start\(\)](#) , [AsyncOperation<ShowAdResult>.Abort\(\)](#) ,
[AsyncOperation<ShowAdResult>.SetIsCompleted\(ShowAdResult\)](#) ,
[AsyncOperation<ShowAdResult>.SetIsCompleted\(Error\)](#) ,
[AsyncOperation<ShowAdResult>.OnUpdate\(\)](#) , [AsyncOperation<ShowAdResult>.OnAbort\(\)](#) ,
[AsyncOperation<ShowAdResult>.Status](#) , [AsyncOperation<ShowAdResult>.IsDone](#) ,
[AsyncOperation<ShowAdResult>.Error](#) , [AsyncOperation<ShowAdResult>.Progress](#) ,
[AsyncOperation<ShowAdResult>.Result](#) , [AsyncOperation<ShowAdResult>.OnProgress](#) ,
[AsyncOperation<ShowAdResult>.OnComplete](#) , [AsyncOperation<ShowAdResult>.Reset\(\)](#)

Methods

Create(string)

```
public static RewardedVideoAdContent Create(string placement)
```

Parameters

placement string

Returns

[RewardedVideoAdContent](#)

Class ShowAdResult

Namespace: [VoxelBusters.AdsKit](#)

The object represents show ads result.

```
public class ShowAdResult
```

Inheritance

object ← ShowAdResult

Constructors

ShowAdResult(string, AdType, string, string, bool, ShowAdResult Code, double?)

```
public ShowAdResult(string adUnitId, AdType adType, string placement, string  
networkId, bool clicked, ShowAdResultCode resultCode = ShowAdResultCode.Unknown,  
double? watchDuration = null)
```

Parameters

adUnitId string

adType [AdType](#)

placement string

networkId string

clicked bool

resultCode [ShowAdResultCode](#)

watchDuration [double](#)?

Properties

AdType

```
public AdType AdType { get; }
```

Property Value

[AdType](#)

AdUnitId

```
public string AdUnitId { get; }
```

Property Value

string

Clicked

```
public bool Clicked { get; }
```

Property Value

bool

NetworkId

```
public string NetworkId { get; }
```

Property Value

string

Placement


```
public string Placement { get; }
```

Property Value

string

ResultCode

```
public ShowAdResultCode ResultCode { get; }
```

Property Value

[ShowAdResultCode](#)

WatchDuration

```
public double? WatchDuration { get; }
```

Property Value

[double](#)[↗]?

Enum ShowAdResultCode

Namespace: [VoxelBusters.AdsKit](#)

The enumerated states of the user's interaction with the ad.

```
public enum ShowAdResultCode
```

Fields

Failed = 3

Indicates that the ad failed to complete due to a Unity service error.

Finished = 2

Indicates that the ad display is complete.

Skipped = 1

Indicates that the user skipped the ad.

Unknown = 0

Class VideoAdContent

Namespace: [VoxelBusters.AdsKit](#)

The video ad content object.

```
public class VideoAdContent : AdContent
```

Inheritance

object ← [AsyncOperation<ShowAdResult>](#) ← [AdContent](#) ← VideoAdContent

Inherited Members

[AdContent.m_status](#) , [AdContent.AdUnitId](#) , [AdContent.AdType](#) , [AdContent.Placement](#) ,
[AdContent.ProviderId](#) , [AdContent.IsReady](#) , [AdContent.IsShowing](#) , [AdContent.IsShowingOrWillShow](#) ,
[AdContent.CurrentState](#) , [AdContent.OnAdStart](#) , [AdContent.OnAdClick](#) , [AdContent.OnAdFinish](#) ,
[AdContent.OnAdFail](#) , [AdContent.OnStart\(\)](#) , [AdContent.OnEnd\(\)](#) , [AdContent.LoadAd\(\)](#) ,
[AdContent.ShowAd\(\)](#) , [AdContent.DestroyAd\(\)](#) , [AdContent.CanAcceptEvent\(string\)](#) ,
[AdContent.BuildContentOptions\(\)](#) , [AdContent.SetContentStatus\(AdContent.ContentStatus\)](#) ,
[AsyncOperation<ShowAdResult>.Start\(\)](#) , [AsyncOperation<ShowAdResult>.Abort\(\)](#) ,
[AsyncOperation<ShowAdResult>.SetIsCompleted\(ShowAdResult\)](#) ,
[AsyncOperation<ShowAdResult>.SetIsCompleted\(Error\)](#) ,
[AsyncOperation<ShowAdResult>.OnUpdate\(\)](#) , [AsyncOperation<ShowAdResult>.OnAbort\(\)](#) ,
[AsyncOperation<ShowAdResult>.Status](#) , [AsyncOperation<ShowAdResult>.IsDone](#) ,
[AsyncOperation<ShowAdResult>.Error](#) , [AsyncOperation<ShowAdResult>.Progress](#) ,
[AsyncOperation<ShowAdResult>.Result](#) , [AsyncOperation<ShowAdResult>.OnProgress](#) ,
[AsyncOperation<ShowAdResult>.OnComplete](#) , [AsyncOperation<ShowAdResult>.Reset\(\)](#)

Methods

Create(string)

```
public static VideoAdContent Create(string placement)
```

Parameters

placement string

Returns

[VideoAdContent](#)

Namespace VoxelBusters.CoreLibrary

Classes

[AsyncOperation<T>](#)

[StringPopupAttribute](#)

Base class to create custom string popup field in the inspector.

Interfaces

[IEventHandler](#)

Base interface that all event handlers inherit from.

Class AsyncOperation<T>

Namespace: [VoxelBusters.CoreLibrary](#)

```
public abstract class AsyncOperation<T>
```

Type Parameters

T

Inheritance

object ← AsyncOperation<T>

Derived

[AdContent](#)

Constructors

AsyncOperation()

```
protected AsyncOperation()
```

Properties

Error

```
public Error Error { get; }
```

Property Value

[Error](#)

IsDone

```
public bool IsDone { get; }
```

Property Value

bool

Progress

```
public float Progress { get; protected set; }
```

Property Value

[float](#)

Result

```
public T Result { get; }
```

Property Value

T

Status

```
public AsyncOperationStatus Status { get; }
```

Property Value

[AsyncOperationStatus](#)

Methods

Abort()

```
public void Abort()
```

OnAbort()

```
protected virtual void OnAbort()
```

OnEnd()

```
protected virtual void OnEnd()
```

OnStart()

```
protected virtual void OnStart()
```

OnUpdate()

```
protected virtual void OnUpdate()
```

Reset()

Sets the enumerator to its initial position, which is before the first element in the collection.

```
public virtual void Reset()
```

Exceptions

[InvalidOperationException](#)

The collection was modified after the enumerator was created.

[NotSupportedException](#)

The enumerator does not support being reset.

SetIsCompleted(Error)

```
protected virtual void SetIsCompleted(Error error)
```

Parameters

error [Error](#)

SetIsCompleted(T)

```
protected virtual void SetIsCompleted(T result = default)
```

Parameters

result T

Start()

```
public void Start()
```

Events

OnComplete

```
public event Callback<IAsyncOperation<T>> OnComplete
```

Event Type

[Callback<IAsyncOperation<T>>](#)

OnProgress

```
public event Callback<IAsyncOperation<T>> OnProgress
```

Event Type

[Callback](#)<[IAsyncOperation](#)<T>>

Interface IEventHandler

Namespace: [VoxelBusters.CoreLibrary](#)

Base interface that all event handlers inherit from.

```
public interface IEventHandler
```

Properties

CallbackOrder

```
int CallbackOrder { get; }
```

Property Value

int

Class StringPopupAttribute

Namespace: [VoxelBusters.CoreLibrary](#)

Base class to create custom string popup field in the inspector.

```
public class StringPopupAttribute : PropertyAttribute
```

Inheritance

object ← StringPopupAttribute

Constructors

StringPopupAttribute(string, bool, params string[])

```
public StringPopupAttribute(string preferencePropertyName = null, bool  
preferencePropertyValue = true, params string[] fixedOptions)
```

Parameters

preferencePropertyName string

preferencePropertyValue bool

fixedOptions [string](#) []

Properties

Options

```
public string[] Options { get; }
```

Property Value

[string](#) []

PreferencePropertyName

```
public string PreferencePropertyName { get; }
```

Property Value

string

PreferencePropertyValue

```
public bool PreferencePropertyValue { get; }
```

Property Value

bool

Methods

GetDynamicOptions()

```
protected virtual string[] GetDynamicOptions()
```

Returns

[string](#) []