Cross Platform Easy Save

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Chapter 1

Namespace Index

1.1 Packages

Here are the packages with brief descriptions (if available):

VoxelBusters
VoxelBusters. Serialization module implements classes that can be used for saving and restoring
object values between game session
VoxelBusters.Serialization

2 Namespace Index

Chapter 2

Class Index

2.1 Class List

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

VoxelBusters.Serialization.SerializationManager	
The SerializationManager class is the interface for saving and restoring object values between	
game sessions	7
VoxelBusters.Serialization.SerializationUtility	
Utility functions for implementing and extending the serialization support for Unity objects created	
at runtime	22

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Chapter 3

Namespace Documentation

3.1 VoxelBusters Namespace Reference

VoxelBusters. Serialization module implements classes that can be used for saving and restoring object values between game session.

3.1.1 Detailed Description

VoxelBusters. Serialization module implements classes that can be used for saving and restoring object values between game session.

3.2 VoxelBusters.Serialization Namespace Reference

Classes

• class SerializationManager

The SerializationManager class is the interface for saving and restoring object values between game sessions.

· class SerializationUtility

Utility functions for implementing and extending the serialization support for Unity objects created at runtime.

Chapter 4

Class Documentation

4.1 VoxelBusters.Serialization.SerializationManager Class Reference

The SerializationManager class is the interface for saving and restoring object values between game sessions.

Static Public Member Functions

- static void BeginSerializeGroup (string key, params SerializationOption[] options)
 - Begins the serialize group.
- static void SerializeInt32 (string key, int value, params SerializationOption[] options)
 - Saves the given integer value.
- static void SerializeSingle (string key, float value, params SerializationOption[] options)
 - Saves the given float value.
- static void SerializeString (string key, string value, params SerializationOption[] options)
 - Saves the given string value.
- static void Serialize< T > (string key, T value, params SerializationOption[] options)
 - Saves the given value.
- static void EndSerializeGroup ()
 - Closes a group started with BeginSerializeGroup.
- static void BeginDeserializeGroup (string key)
 - Begins the deserialize group.
- static int DeserializeInt32 (string key, int defaultValue=default(int))
 - Returns the integer value associated with the given key.
- static float DeserializeSingle (string key, float defaultValue=default(float))
 - Returns the float value associated with the given key.
- static string DeserializeString (string key, string defaultValue=default(string))
 - Returns the string value associated with the given key.
- static T Deserialize < T > (string key, T defaultValue=default(T))
 - Returns the value associated with the given key.
- static void EndDeserializeGroup ()
 - Closes a group started with BeginDeserializeGroup.
- static byte [] SerializeToByteArray < T > (T value, params SerializationOption[] options)
 - Returns the serialized data of the given value.
- static byte [] SerializeToByteArray< T > (string key, T value, params SerializationOption[] options)
 - Returns the serialized data of the given value.

static T DeserializeFromByteArray
 T > (byte[] data)

Returns the value associated with the serialized data.

static T DeserializeFromByteArray
 tstring name, byte[] data)

Returns the value associated with the serialized data.

• static void BeginSerializeToByteArrayGroup (params SerializationOption[] options)

Begins the serialize group.

static void BeginSerializeToByteArrayGroup (string key, params SerializationOption[] options)

Begins the serialize group.

static byte [] EndSerializeToByteArrayGroup ()

Closes a group started with BeginSerializeToByteArrayGroup.

• static void BeginDeserializeToByteArrayGroup (byte[] data)

Begins the deserialize group.

• static void BeginDeserializeToByteArrayGroup (string key, byte[] data)

Begins the deserialize group.

• static void EndDeserializeToByteArrayGroup ()

Closes a group started with BeginDeserializeToByteArrayGroup.

• static bool HasKey (string key)

Determines whether storage contains value associated with given key.

• static void DeleteKey (string key)

Removes the value identified by the key.

• static void DeleteAll ()

Removes all the data stored in the system. Use it with caution.

• static void ClearCache ()

Removes all the data that have been cached by the serialization system.

• static SerializationOption BufferSize (int value)

Custom serializaion option passed to specify the stream buffer size.

static SerializationOption SerializationMethod (SerializationMethodOptions value)

Custom serialization option passed to specify the serialization (save) method used while serializing object.

static SerializationOption StorageTarget (eStorageTarget value)

Custom serializaion option passed to specify the storage location where data will be saved.

4.1.1 Detailed Description

The SerializationManager class is the interface for saving and restoring object values between game sessions.

4.1.2 Member Function Documentation

4.1.2.1 BeginDeserializeGroup()

```
static void VoxelBusters.Serialization.SerializationManager.BeginDeserializeGroup ( string key ) [static]
```

Begins the deserialize group.

Parameters

key Name of the key associated with saved group.

```
// use this script to save and read multiple attributes of player from a single document
using UnityEngine;
using System.Collections;
public class ExampleClass : MonoBehaviour
    void SaveProfile()
        // shows how to batch multiple data components and save it in a single file
       SerializationManager.BeginSerializeGroup("profile");
                                                                                // creates a new document
       called profile
        SerializationManager.SerializeString("name", "player1");
                                                                                // adds name info
        SerializationManager.SerializeInt32("level", 1);
                                                                               // adds level info
        SerializationManager.SerializeSingle("progress", 0.9f);
                                                                               // adds progress info
       SerializationManager.EndSerializeGroup();
                                                                                // marks end of the document
       and saves the data
    void ReadProfile()
        // shows how to read data fields from batched document
       SerializationManager.BeginDeserializeGroup("profile");
                                                                                // open saved document
       called profile
                        = SerializationManager.DeserializeString("name");
                                                                                // adds name info
       string name
               level = SerializationManager.DeserializeInt32("level");
                                                                                // adds level info
        float progress= SerializationManager.DeserializeSingle("progress");
                                                                                // adds progress info
       SerializationManager.EndDeserializeGroup();
                                                                                // marks end of the document
       and saves the data
```

4.1.2.2 BeginDeserializeToByteArrayGroup() [1/2]

```
static void VoxelBusters.Serialization.SerializationManager.BeginDeserializeToByteArrayGroup ( byte [] data) [static]
```

Begins the deserialize group.

Parameters

```
data | Serialized data.
```

4.1.2.3 BeginDeserializeToByteArrayGroup() [2/2]

```
static void VoxelBusters.Serialization.SerializationManager.BeginDeserializeToByteArrayGroup ( string key, byte [] data) [static]
```

Begins the deserialize group.

key	Name of the key associated with value.
data	Serialized data.

4.1.2.4 BeginSerializeGroup()

```
static void VoxelBusters.Serialization.SerializationManager.BeginSerializeGroup ( string key, params SerializationOption [] options) [static]
```

Begins the serialize group.

Begins the serialize group.

All serialize calls enclosed inside this element will be saved in a single document. The group must be closed with a call to EndSerializeGroup.

Parameters

key	A string value associated with the value. If specified key already exists, value replaces the existing value. If key is not found, new copy of value will be created in the specified storage.
options	An optional array of serialization option specifies custom settings used for this specific operation. These options overrides the SerializationSettings values.

```
// use this script to save and read multiple attributes of player from a single document
using UnityEngine;
using System.Collections;
public class ExampleClass : MonoBehaviour
    void SaveProfile()
       // creates a new document
      called profile
       SerializationManager.SerializeString("name", "player1");
SerializationManager.SerializeInt32("level", 1);
                                                                               // adds name info
                                                                               // adds level info
       SerializationManager.SerializeSingle("progress", 0.9f);
                                                                               // adds progress info
       {\tt Serialization Manager.End Serialize Group ();}
                                                                               // marks end of the document
      and saves the data
    void ReadProfile()
        // shows how to read data fields from batched document
       SerializationManager.BeginDeserializeGroup("profile");
                                                                               // open saved document
      called profile
                       = SerializationManager.DeserializeString("name");
                                                                               // adds name info
       string name
               level = SerializationManager.DeserializeInt32("level");
                                                                               // adds level info
               progress= SerializationManager.DeserializeSingle("progress");
                                                                               // adds progress info
       SerializationManager.EndDeserializeGroup();
                                                                               // marks end of the document
      and saves the data
```

4.1.2.5 BeginSerializeToByteArrayGroup() [1/2]

```
\label{thm:static} static\ void\ VoxelBusters. Serialization. Serialization Manager. Begin Serialize To Byte Array Group\ ( \\ params\ Serialization Option\ []\ options\ )\ [static]
```

Begins the serialize group.

options	An optional array of serialization option specifies custom settings used for this specific operation.	
	These options overrides the SerializationSettings values.	

4.1.2.6 BeginSerializeToByteArrayGroup() [2/2]

```
static void VoxelBusters.Serialization.SerializationManager.BeginSerializeToByteArrayGroup ( string key, params SerializationOption [] options) [static]
```

Begins the serialize group.

Parameters

key	Name of the key associated with value.	
options	An optional array of serialization option specifies custom settings used for this specific operation.	
	These options overrides the SerializationSettings values.	

4.1.2.7 BufferSize()

Custom serializaion option passed to specify the stream buffer size.

This option can be used for serialization mode.

Parameters

value	Value.
-------	--------

4.1.2.8 ClearCache()

```
static void VoxelBusters.Serialization.SerializationManager.ClearCache ( ) [static]
```

Removes all the data that have been cached by the serialization system.

4.1.2.9 DeleteAll()

```
static void VoxelBusters.Serialization.SerializationManager.DeleteAll ( ) [static]
```

Removes all the data stored in the system. Use it with caution.

Call this function to delete all the saved information. Be careful while using this. You cannot undo this action.

4.1.2.10 DeleteKey()

```
static void VoxelBusters.
Serialization.
SerializationManager.
DeleteKey ( string key ) [static]
```

Removes the value identified by the key.

Parameters

key Name of the key associated with value.

4.1.2.11 Deserialize < T >()

Returns the value associated with the given key.

Returns the value associated with the given key.

If the value doesn't already exist in the storage the function will return default Value.

Returns

The value previously stored.

key	Name of the key associated with value.	
defaultValue	Value to return if the specified key is not found in the storage.	

```
// use this script to save and read custom object
using UnityEngine;
using System.Collections;
public class PlayerProfile
    // fields
                       playerName;
    public string
public int
                         playerLevel;
    public float
                         playerProgress;
    // constructors
    public PlayerProfile()
    public PlayerProfile(string name, int level, float progress)
        playerName
                         = name;
        playerLevel
                         = level;
        playerProgress = progress;
public class ExampleClass : MonoBehaviour
    PlayerProfile profile = new PlayerProfile("player1", 1, 0.9f);
    // methods
    void SaveProfile()
         // shows how to save custom object
        SerializationManager.Serialize("profile", profile);
    void ReadProfile()
         // shows how to read custom object
        profile = SerializationManager.Deserialize<PlayerProfile>("profile");
```

4.1.2.12 DeserializeFromByteArray< T>() [1/2]

```
static T VoxelBusters.Serialization.SerializationManager.DeserializeFromByteArray<br/>< T > ( byte [] data) [static]
```

Returns the value associated with the serialized data.

Returns

The value previously serialized.

Parameters

```
data Serialized data.
```

```
// use this script to save and read custom object
using UnityEngine;
using System.Collections;
public class PlayerProfile
    // fields
    public string playerName;
public int playerLevel;
public float playerProgress;
    // constructors
    public PlayerProfile()
    public PlayerProfile(string name, int level, float progress)
        playerName
                         = name;
                         = level:
        playerLevel
        playerProgress = progress;
public class ExampleClass : MonoBehaviour
    // fields
    PlayerProfile profile = new PlayerProfile("player1", 1, 0.9f);
    byte[] rawData = null;
    // methods
    void SaveProfile()
        \ensuremath{//} shows how to save custom object
        rawData = SerializationManager.SerializeToByteArray(profile);
    void ReadProfile()
         // shows how to read custom object
        profile = SerializationManager.DeserializeFromByteArray<PlayerProfile>(rawData);
```

4.1.2.13 DeserializeFromByteArray < T >() [2/2]

```
static T VoxelBusters.Serialization.SerializationManager.DeserializeFromByteArray<br/>< T > ( string name, byte [] data ) [static]
```

Returns the value associated with the serialized data.

Returns

The value previously serialized.

Parameters

key	Name of the key associated with value.	
data	Serialized data.	

```
// use this script to save and read custom object
using UnityEngine;
using System.Collections;
public class PlayerProfile
    // fields
                     playerName;
playerLevel;
playerProgress;
    public string
    public int
    public float
    // constructors
    public PlayerProfile()
    public PlayerProfile(string name, int level, float progress)
        playerName
                        = name;
        playerLevel
                        = level;
        playerProgress = progress;
public class ExampleClass : MonoBehaviour
    PlayerProfile profile = new PlayerProfile("player1", 1, 0.9f);
    byte[] rawData = null;
    // methods
    void SaveProfile()
        // shows how to save custom object
        rawData = SerializationManager.SerializeToByteArray(profile);
    void ReadProfile()
        // shows how to read custom object
        profile = SerializationManager.DeserializeFromByteArray<PlayerProfile>(rawData);
```

4.1.2.14 DeserializeInt32()

Returns the integer value associated with the given key.

Returns the integer value associated with the given key.

If the value doesn't already exist in the storage the function will return default Value.

Returns

The value previously stored.

key	Name of the key associated with integer value.	
defaultValue	Integer value to return if the specified key is not found in the storage.	

```
// use this script to save and read player level info (int value)
using UnityEngine;
using System.Collections;
```

4.1.2.15 DeserializeSingle()

```
static float VoxelBusters.Serialization.SerializationManager.DeserializeSingle ( string \ key, float \ defaultValue = default(float) \ ) \quad [static]
```

Returns the float value associated with the given key.

Returns the float value associated with the given key.

If the value doesn't already exist in the storage the function will return default Value.

Returns

The value previously stored.

Parameters

key	Name of the key associated with float value.	
defaultValue	Float value to return if the specified key is not found in the storage.	

```
// use this script to save and read player progress (float value)
using UnityEngine;
using System.Collections;
public class ExampleClass : MonoBehaviour
{
    void OnPlayerProgressChanged(float newValue)
    {
        // saves progress info
            SerializationManager.SerializeSingle("progress", newValue);
    }
    float GetPlayerProgress()
    {
        // read saved value
        return SerializationManager.DeserializeSingle("progress");
}
```

4.1.2.16 DeserializeString()

```
static string VoxelBusters.Serialization.SerializationManager.DeserializeString ( string \ key, string \ defaultValue = default(string) \ ) \ [static]
```

Returns the string value associated with the given key.

Returns the string value associated with the given key.

If the value doesn't already exist in the storage the function will return default Value.

Returns

The value previously stored.

Parameters

key	Name of the key associated with string value.	
defaultValue	String value to return if the specified key is not found in the storage.	

```
// use this script to save and read player name (string value)
using UnityEngine;
using System.Collections;
public class ExampleClass : MonoBehaviour
{
     void OnPlayerNameChanged(string newName)
     {
          // saves name info
          SerializationManager.SerializeString("name", newName);
     }
     string GetPlayerName()
     {
          // read saved value
          return SerializationManager.DeserializeString("name");
     }
}
```

4.1.2.17 EndDeserializeGroup()

static void VoxelBusters.Serialization.SerializationManager.EndDeserializeGroup () [static]

Closes a group started with BeginDeserializeGroup.

4.1.2.18 EndDeserializeToByteArrayGroup()

 $\verb|static| void VoxelBusters.Serialization.SerializationManager.EndDeserializeToByteArrayGroup ()| \\ [static] \\$

Closes a group started with BeginDeserializeToByteArrayGroup.

4.1.2.19 EndSerializeGroup()

 $\verb|static| void VoxelBusters.Serialization.SerializationManager.EndSerializeGroup () | [static]| \\$

Closes a group started with BeginSerializeGroup.

4.1.2.20 EndSerializeToByteArrayGroup()

```
static byte [] VoxelBusters.Serialization.SerializationManager.EndSerializeToByteArrayGroup (
) [static]
```

Closes a group started with BeginSerializeToByteArrayGroup.

4.1.2.21 HasKey()

```
static bool VoxelBusters.Serialization.SerializationManager.HasKey ( {\tt string}\ key\ ) \quad [{\tt static}]
```

Determines whether storage contains value associated with given key.

Returns

true if storage has the specified key; otherwise, false.

Parameters

key A string value used to uniquely identify the stored value.

4.1.2.22 SerializationMethod()

```
\label{thm:condition} Serialization Option Voxel Busters. Serialization. Serialization Manager. Serialization Method ( \\ Serialization Method Options \textit{value} ) \textit{ [static]}
```

Custom serialization option passed to specify the serialization (save) method used while serializing object.

This option can be used for serialization mode.

Parameters

```
value Value.
```

4.1.2.23 Serialize < T >()

```
static void VoxelBusters.Serialization.SerializationManager.Serialize< T > ( string key, T value, params SerializationOption [] options ) [static]
```

Saves the given value.

Parameters

key	A string value associated with the value. If specified key already exists, value replaces the existing value. If key is not found, new copy of value will be created in the specified storage.	
value	The value to be saved.	
options	An optional array of serialization option specifies custom settings used for this specific operation. These options overrides the SerializationSettings values.	

```
// use this script to save and read custom object (here, PlayerProfile)
using UnityEngine;
using System.Collections;
public class PlayerProfile
    // fields
    public string
                       playerName;
                      playerLevel;
playerProgress;
    public int
    public float
    // constructors
    public PlayerProfile()
    public PlayerProfile(string name, int level, float progress)
                        = name;
                        = level;
        playerLevel
        playerProgress = progress;
public class ExampleClass : MonoBehaviour
    // fields
    PlayerProfile profile = new PlayerProfile("player1", 1, 0.9f);
    // methods
    void SaveProfile()
        // shows how to save custom object
        SerializationManager.Serialize("profile", profile);
    void ReadProfile()
        // shows how to read custom object
        profile = SerializationManager.Deserialize<PlayerProfile>("profile");
```

4.1.2.24 SerializeInt32()

```
static void VoxelBusters.Serialization.SerializationManager.SerializeInt32 ( string key, int value, params SerializationOption [] options) [static]
```

Saves the given integer value.

key	A string value associated with the value. If specified key already exists, value replaces the existing value. If key is not found, new copy of value will be created in the specified storage.	
value	The value to be saved.	
options	An optional array of serialization option specifies custom settings used for this specific operation. These options overrides the SerializationSettings values.	

```
// use this script to save and read player level info (int value)
using UnityEngine;
using System.Collections;
public class ExampleClass : MonoBehaviour
{
    void OnReachedCheckpoint9()
    {
```

```
// saves new level info
int newLevel = 10;
SerializationManager.SerializeInt32("level", newLevel);
}
int GetPlayerLevel()
{
    // read saved value
    return SerializationManager.DeserializeInt32("level");
}
```

4.1.2.25 SerializeSingle()

```
static void VoxelBusters.Serialization.SerializationManager.SerializeSingle ( string key, float value, params SerializationOption [] options) [static]
```

Saves the given float value.

Parameters

key	A string value associated with the value. If specified key already exists, value replaces the existing value. If key is not found, new copy of value will be created in the specified storage.
value	The value to be saved.
options	An optional array of serialization option specifies custom settings used for this specific operation. These options overrides the SerializationSettings values.

```
// use this script to save and read player progress (float value)
using UnityEngine;
using System.Collections;
public class ExampleClass : MonoBehaviour
{
     void OnPlayerProgressChanged(float newValue)
     {
          // saves progress info
          SerializationManager.SerializeSingle("progress", newValue);
     }
     float GetPlayerProgress()
     {
          // read saved value
          return SerializationManager.DeserializeSingle("progress");
     }
}
```

4.1.2.26 SerializeString()

Saves the given string value.

key	A string value associated with the value. If specified key already exists, value replaces the existing value. If key is not found, new copy of value will be created in the specified storage.	
value	The value to be saved.	
options	An optional array of serialization option specifies custom settings used for this specific operation.	
Generated by Doxigese options overrides the SerializationSettings values.		

```
// use this script to save and read player name (string value)
using UnityEngine;
using System.Collections;
public class ExampleClass : MonoBehaviour
{
    void OnPlayerNameChanged(string newName)
    {
        // saves name info
        SerializationManager.SerializeString("name", newName);
    }
    string GetPlayerName()
    {
        // read saved value
        return SerializationManager.DeserializeString("name");
    }
}
```

4.1.2.27 SerializeToByteArray < T > () [1/2]

```
static byte [] VoxelBusters.Serialization.SerializationManager.SerializeToByteArray< T > ( T value, params SerializationOption [] options) [static]
```

Returns the serialized data of the given value.

This method doesn't save the data in any form (as file or PlayerPrefs). Instead user is responsible to manage this data. Provide this byte array as input to DeserializeFromByteArray method inorder to retrieve back original value.

value	The value to be saved.	
options	An optional array of serialization option specifies custom settings used for this specific operation.	
	These options overrides the SerializationSettings values.	

```
// use this script to save and read custom object (here, PlayerProfile)
using UnityEngine;
using System.Collections;
public class PlayerProfile
    // fields
                       playerName;
    public string
    public int
                        playerLevel;
    public float
                         playerProgress;
    // constructors
    public PlayerProfile()
    public PlayerProfile(string name, int level, float progress)
        playerName
                        = name;
        playerLevel
                         = level:
        playerProgress = progress;
public class ExampleClass : MonoBehaviour
    // fields
    PlayerProfile profile = new PlayerProfile("player1", 1, 0.9f);
    byte[] rawData = null;
    void SaveProfile()
        // shows how to save custom object
rawData = SerializationManager.SerializeToByteArray(profile);
    void ReadProfile()
        // shows how to read custom object
        profile = SerializationManager.DeserializeFromByteArray<PlayerProfile>(rawData);
```

4.1.2.28 SerializeToByteArray< T>() [2/2]

Returns the serialized data of the given value.

This method doesn't save the data in any form (as file or PlayerPrefs). Instead user is responsible to manage this data. Provide this byte array as input to DeserializeFromByteArray method inorder to retrieve back original value.

Parameters

key	Name of the key associated with value.	
value	The value to be saved.	
options		
	These options overrides the SerializationSettings values.	

```
// use this script to save and read custom object (here, PlayerProfile)
using UnityEngine;
using System.Collections;
public class PlayerProfile
    // fields
                     playerName;
    public string
    public int
                       playerLevel;
    public float
                       playerProgress;
    // constructors
    public PlayerProfile()
    public PlayerProfile(string name, int level, float progress)
        plaverName
                       = name;
        playerLevel
                        = level;
        playerProgress = progress;
public class ExampleClass : MonoBehaviour
    // fields
    PlayerProfile profile = new PlayerProfile("player1", 1, 0.9f);
    byte[] rawData = null;
    // methods
    void SaveProfile()
        // shows how to save custom object
        rawData = SerializationManager.SerializeToByteArray("key", profile);
    void ReadProfile()
        // shows how to read custom object
        profile = SerializationManager.DeserializeFromByteArray<PlayerProfile>("key", rawData);
```

4.1.2.29 StorageTarget()

```
{\tt static SerializationOption VoxelBusters.Serialization.SerializationManager.StorageTarget \ ( \\ {\tt eStorageTarget} \ value \ ) \ [{\tt static}]
```

Custom serializaion option passed to specify the storage location where data will be saved.

value	Value.
-------	--------

The documentation for this class was generated from the following file:

Volumes/Work/Projects/Products/AssetStore/Cross Platform Easy Save/Unity Project/Assets/Plugins/

 VoxelBusters/CrossPlatformEasySave/Scripts/SerializationManager.cs

4.2 VoxelBusters.Serialization.SerializationUtility Class Reference

Utility functions for implementing and extending the serialization support for Unity objects created at runtime.

Static Public Member Functions

static GameObject CreateGameObject ()

Creates a new game object.

static GameObject CreateGameObject (string name)

Creates a new game object with specified name.

• static GameObject CreateGameObject (string name, params Type[] components)

Creates the game object with specified name and components.

· static GameObject Instantiate (GameObject original)

Clones the object original and returns the clone.

• static GameObject Instantiate (GameObject original, Vector3 position, Quaternion rotation)

Clones the object original and returns the clone.

• static GameObject Instantiate (GameObject original, Transform parent, bool worldPositionStays)

Clones the object original and returns the clone.

- static GameObject Instantiate (GameObject original, Vector3 position, Quaternion rotation, Transform parent)

 Clones the object original and returns the clone.
- static Component AddComponent (GameObject gameObject, Type componentType)

Adds a component class of type component Type to the game object.

static T AddComponent< T > (GameObject gameObject)

Adds a component class of type T to the game object.

static void Destroy (GameObject gameObject)

Removes the specified gameobject.

• static void Destroy (Component component)

Removes the specified component.

4.2.1 Detailed Description

Utility functions for implementing and extending the serialization support for Unity objects created at runtime.

4.2.2 Member Function Documentation

4.2.2.1 AddComponent()

Adds a component class of type componentType to the game object.

Returns

The component attached to the game object.

Parameters

gameObject	Game object.
componentType	Component type.

4.2.2.2 AddComponent < T >()

Adds a component class of type T to the game object.

Returns

The component attached to the game object.

Parameters

gameObject	Game object.
------------	--------------

Type Constraints

T: Component

4.2.2.3 CreateGameObject() [1/3]

```
\verb|static GameObject VoxelBusters.Serialization.SerializationUtility.CreateGameObject () | [static]| \\
```

Creates a new game object.

Returns

The game object.

4.2.2.4 CreateGameObject() [2/3]

```
{\tt static\ GameObject\ VoxelBusters.Serialization.SerializationUtility.CreateGameObject\ (string\ name\ )\ [static]}
```

Creates a new game object with specified name.

Returns

The game object.

Parameters

	name	The name that the GameObject is created with.	
--	------	---	--

4.2.2.5 CreateGameObject() [3/3]

```
static GameObject VoxelBusters.Serialization.SerializationUtility.CreateGameObject ( string name, params Type [] components) [static]
```

Creates the game object with specified name and components.

Returns

The game object.

Parameters

name	The name that the GameObject is created with.	
components	An array of Components to add to the GameObject on creation.	

4.2.2.6 Destroy() [1/2]

```
static void VoxelBusters.Serialization.SerializationUtility.Destroy ( {\tt GameObject~gameObject~)} \quad [{\tt static}]
```

Removes the specified gameobject.

Parameters

gameObject	The game object to be destroyed.
,	, ,

4.2.2.7 Destroy() [2/2]

Removes the specified component.

gameObject	The component to be destroyed.

4.2.2.8 Instantiate() [1/4]

Clones the object original and returns the clone.

Parameters

original	An existing object that you want to make a copy of.
----------	---

4.2.2.9 Instantiate() [2/4]

Clones the object original and returns the clone.

Parameters

original	An existing object that you want to make a copy of.
position	Position for the new object.
rotation	Orientation of the new object.

4.2.2.10 Instantiate() [3/4]

Clones the object original and returns the clone.

original	An existing object that you want to make a copy of.
parent	Parent that will be assigned to the new object.
worldPositionStays	Pass true when assigning a parent Object to maintain the world position of the Object, instead of setting its position relative to the new parent. Pass false to set the Object's position relative to its new parent.

4.2.2.11 Instantiate() [4/4]

Clones the object original and returns the clone.

Parameters

original	An existing object that you want to make a copy of.	
position	Position for the new object.	
rotation	Orientation of the new object.	
parent	Parent that will be assigned to the new object.	

The documentation for this class was generated from the following file:

• /Volumes/Work/Projects/Products/AssetStore/Cross Platform Easy Save/Unity Project/Assets/Plugins/← VoxelBusters/CrossPlatformEasySave/Scripts/SerializationUtility.cs

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