Namespace LuaMod

Classes

LuaBehaviour

<u>LuaGun</u>

<u>LuaMod</u>

<u>LuaModScript</u>

<u>LuaResources</u>

<u>LuaSafeCall</u>

<u>ScriptManager</u>

Delegates

<u>LuaModScript.del_postreload</u>

Class LuaBehaviour

Namespace: <u>LuaMod</u>
Assembly: LuaMod.dll

public class LuaBehaviour : MonoBehaviour

Inheritance

object ← Il2CppObjectBase ← Object ← Object ← Component ← Behaviour ← MonoBehaviour ← LuaBehaviour

Derived

LuaGun

Fields

AwakeFunction

protected DynValue AwakeFunction

Field Value

DynValue

BehaviourScript

public LuaModScript BehaviourScript

Field Value

<u>LuaModScript</u>

FixedUpdateFunction

protected DynValue FixedUpdateFunction

Field Value

DynValue

LateStartFunction

protected DynValue LateStartFunction

Field Value

DynValue

LateUpdateFunction

protected DynValue LateUpdateFunction

Field Value

DynValue

OnBecameInvisibleFunction

protected DynValue OnBecameInvisibleFunction

Field Value

DynValue

OnBecameVisibleFunction

DynValue

OnCollisionEnterFunction

protected DynValue OnCollisionEnterFunction

Field Value

DynValue

OnCollisionExitFunction

protected DynValue OnCollisionExitFunction

Field Value

DynValue

OnCollisionStayFunction

protected DynValue OnCollisionStayFunction

Field Value

DynValue

OnDestroyFunction

protected DynValue OnDestroyFunction

Field Value

DynValue

OnDisableFunction

protected DynValue OnDisableFunction

Field Value

DynValue

OnEnableFunction

protected DynValue OnEnableFunction

Field Value

DynValue

OnJointBreakFunction

protected DynValue OnJointBreakFunction

Field Value

DynValue

OnParticleCollisionFunction

DynValue

OnParticleSystemStoppedFunction

protected DynValue OnParticleSystemStoppedFunction

Field Value

DynValue

OnParticleTriggerFunction

protected DynValue OnParticleTriggerFunction

Field Value

DynValue

OnParticleUpdateJobScheduledFunction

protected DynValue OnParticleUpdateJobScheduledFunction

Field Value

DynValue

On Transform Children Change d Function

DynValue

On Transform Parent Changed Function

protected DynValue OnTransformParentChangedFunction

Field Value

DynValue

OnTriggerEnterFunction

protected DynValue OnTriggerEnterFunction

Field Value

DynValue

OnTriggerExitFunction

protected DynValue OnTriggerExitFunction

Field Value

DynValue

OnTriggerStayFunction

DynValue

Ready

Indicates whether this LuaBehaviour is initialized and ready.

```
public bool Ready
```

Field Value

bool

ScriptAsset

public TextAsset ScriptAsset

Field Value

TextAsset

ScriptName

The name of the Lua script file (used if ScriptAsset is null).

```
public string ScriptName
```

Field Value

string

ScriptTags

Optional list of tags associated with this Lua Behaviour.

```
public List<string> ScriptTags
```

Field Value

List<string>

SlowUpdateFunction

protected DynValue SlowUpdateFunction

Field Value

DynValue

SlowUpdateTime

The interval at which the SlowUpdate function is called in seconds.

public float SlowUpdateTime

Field Value

float

StartFunction

protected DynValue StartFunction

Field Value

DynValue

UpdateFunction

protected DynValue UpdateFunction

Field Value

DynValue

Methods

CallFunction(string, params DynValue[])

public bool CallFunction(string functionname, params DynValue[] args)

Parameters

functionname string

args DynValue[]

Returns

bool

CallFunctionULEvent(string, int, float, string, Object)

public void CallFunctionULEvent(string functionname, int param1, float param2, string param3, Object param4)

Parameters

functionname string

param1 int

param2 float

```
param3 string
```

param4 Object

GetScriptVariable(string)

public DynValue GetScriptVariable(string name)

Parameters

name string

Returns

DynValue

SetScriptVariable(string, DynValue)

public void SetScriptVariable(string name, DynValue DyVar)

Parameters

name string

DyVar DynValue

Class LuaGun

Namespace: <u>LuaMod</u>
Assembly: LuaMod.dll

public class LuaGun : LuaBehaviour

Inheritance

object ← Il2CppObjectBase ← Object ← Object ← Component ← Behaviour ← MonoBehaviour ← LuaBehaviour ← LuaGun

Inherited Members

<u>LuaBehaviour.ScriptName</u>, <u>LuaBehaviour.ScriptAsset</u>, <u>LuaBehaviour.SlowUpdateTime</u>, <u>LuaBehaviour.ScriptTags</u>, <u>LuaBehaviour.Ready</u>, <u>LuaBehaviour.BehaviourScript</u>, LuaBehaviour.StartFunction, LuaBehaviour.LateStartFunction, LuaBehaviour.UpdateFunction, <u>LuaBehaviour.FixedUpdateFunction</u>, <u>LuaBehaviour.AwakeFunction</u>, <u>LuaBehaviour.OnEnableFunction</u>, <u>LuaBehaviour.OnDisableFunction</u>, <u>LuaBehaviour.OnDestroyFunction</u>, <u>LuaBehaviour.OnCollisionEnterFunction</u>, <u>LuaBehaviour.OnCollisionExitFunction</u>, LuaBehaviour.OnCollisionStayFunction, LuaBehaviour.SlowUpdateFunction, <u>LuaBehaviour.LateUpdateFunction</u>, <u>LuaBehaviour.OnTriggerEnterFunction</u>, <u>LuaBehaviour.OnTriggerExitFunction</u>, <u>LuaBehaviour.OnTriggerStayFunction</u>, <u>LuaBehaviour.OnBecameInvisibleFunction</u>, <u>LuaBehaviour.OnBecameVisibleFunction</u>, <u>LuaBehaviour.OnParticleSystemStoppedFunction</u>, <u>LuaBehaviour.OnParticleCollisionFunction</u>, <u>LuaBehaviour.OnParticleTriggerFunction</u>, <u>LuaBehaviour.OnParticleUpdateJobScheduledFunction</u>, <u>LuaBehaviour.OnTransformChildrenChangedFunction</u>, LuaBehaviour.OnTransformParentChangedFunction, LuaBehaviour.OnJointBreakFunction, <u>LuaBehaviour.SetScriptVariable(string, DynValue)</u>, <u>LuaBehaviour.GetScriptVariable(string)</u>, <u>LuaBehaviour.CallFunctionULEvent(string, int, float, string, Object)</u>, <u>LuaBehaviour.CallFunction(string, params DynValue[])</u>

Constructors

LuaGun(IntPtr)

public LuaGun(IntPtr ptr)

Fields

AttachedGun

public Gun AttachedGun

Field Value

Gun

AttachedGunSlide

public SlideVirtualController AttachedGunSlide

Field Value

SlideVirtualController

SupressBullet

public bool SupressBullet

Field Value

bool

Methods

ForceGunFire()

public bool ForceGunFire()

Returns

bool

GetFirepointPosition()

public DynValue GetFirepointPosition()

Returns

DynValue

GetMagazineRounds()

public DynValue GetMagazineRounds()

Returns

DynValue

LuaSpawnCartridge(Spawnable)

public bool LuaSpawnCartridge(Spawnable spawnableCartridge)

Parameters

spawnableCartridge Spawnable

Returns

bool

LuaTriggerPulled()

```
public bool LuaTriggerPulled()
```

Returns

bool

OnFire()

```
public bool OnFire()
```

Returns

bool

OnGripAttached(InteractableHost, Hand)

```
public void OnGripAttached(InteractableHost host, Hand hand)
```

Parameters

host InteractableHost

hand Hand

OnMagizineEjected()

```
public void OnMagizineEjected()
```

OnSlideGrabbed()

```
public void OnSlideGrabbed()
```

OnSlideReleased()

```
public void OnSlideReleased()
```

OnSlideUpdate(float)

```
public void OnSlideUpdate(float pos)
```

Parameters

pos float

SetMagazineRounds(int)

```
public bool SetMagazineRounds(int rounds)
```

Parameters

rounds int

Returns

bool

SetupBehaviourFunctions()

```
public override bool SetupBehaviourFunctions()
```

Returns

bool

Start()

public void Start()

Class LuaMod

Namespace: <u>LuaMod</u>
Assembly: LuaMod.dll

public class LuaMod : MelonMod

Inheritance

object ← MelonBase ← MelonTypeBase < MelonMod > ← MelonMod ← LuaMod

Inherited Members

MelonMod.OnSceneWasLoaded(int, string), MelonMod.OnSceneWasInitialized(int, string),

MelonMod.OnSceneWasUnloaded(int, string), MelonMod.OnLevelWasLoaded(int),

MelonMod.OnLevelWasInitialized(int), MelonMod.InfoAttribute, MelonMod.GameAttributes,

MelonTypeBase<MelonMod>.ExecuteAll(LemonAction<MelonMod>, bool, string),

MelonTypeBase<MelonMod>.RegisteredMelons, MelonTypeBase<MelonMod>.TypeName,

MelonTypeBase<MelonMod>.MelonTypeName, MelonBase.OnMelonRegistered,

MelonBase.OnMelonUnregistered, MelonBase.OnMelonInitializing, MelonBase.OnRegister,

MelonBase.OnUnregister,

MelonBase.CreateWrapper<T>(string, string, MelonGameAttribute[], MelonProcessAttribute[], int, Color?, Color?, string),

MelonBase.RegisterSorted < T > (IEnumerable < T >), MelonBase.OnPreSupportModule(),

MelonBase.OnUpdate(), MelonBase.OnFixedUpdate(), MelonBase.OnLateUpdate(), MelonBase.OnGUI(),

MelonBase.OnApplicationQuit(), MelonBase.OnPreferencesSaved(),

 $Melon Base. On Preferences Saved (string) \ , \ Melon Base. On Preferences Loaded () \ ,$

 $Melon Base. On Preferences Loaded (string) \ , \ Melon Base. On Early Initialize Melon () \ ,$

MelonBase.OnInitializeMelon(), MelonBase.OnLateInitializeMelon(), MelonBase.OnDeinitializeMelon(),

MelonBase.FindIncompatiblities(MelonGameAttribute, string, string, string, MelonPlatform

Attribute.CompatiblePlatforms, MelonPlatformDomainAttribute.CompatibleDomains),

MelonBase.FindIncompatiblities(MelonGameAttribute, string, SemVersion, string, MelonPlatform

Attribute.CompatiblePlatforms, MelonPlatformDomainAttribute.CompatibleDomains),

MelonBase.FindIncompatiblitiesFromContext(),

MelonBase.PrintIncompatibilities(MelonBase.Incompatibility[], MelonBase), MelonBase.Register(),

MelonBase.FindMelon(string, string), MelonBase.Unregister(string, bool),

MelonBase.ExecuteAll(LemonAction < MelonBase > , bool, string) ,

MelonBase.ExecuteList<T>(LemonAction<T>, List<T>, bool, string),

MelonBase.SendMessageAll(string, params object[]), MelonBase.SendMessage(string, params object[]),

MelonBase.OnApplicationLateStart(), MelonBase.OnApplicationStart(),

MelonBase.OnModSettingsApplied(), MelonBase.MelonAssembly, MelonBase.Priority,

MelonBase.ConsoleColor , MelonBase.AuthorConsoleColor , MelonBase.Info , MelonBase.AdditionalCredits , MelonBase.SupportedProcesses , MelonBase.Games , MelonBase.SupportedGameVersions , MelonBase.OptionalDependencies , MelonBase.SupportedPlatforms , MelonBase.SupportedDomain , MelonBase.SupportedMLVersion , MelonBase.SupportedMLBuild , MelonBase.HarmonyInstance , MelonBase.LoggerInstance , MelonBase.ID , MelonBase.Registered , MelonBase.harmonyInstance , MelonBase.Harmony , MelonBase.Assembly , MelonBase.HarmonyDontPatchAll , MelonBase.Hash , MelonBase.Location

Class LuaModScript

Namespace: <u>LuaMod</u>
Assembly: LuaMod.dll

public class LuaModScript

Inheritance

object ← LuaModScript

Fields

MaxScriptExecutionTime

protected const int MaxScriptExecutionTime = 100

Field Value

int

PostReloadScript

public LuaModScript.del_postreload PostReloadScript

Field Value

<u>LuaModScript.del_postreload</u>

Methods

CallScriptFunction(DynValue, params object[])

public DynValue CallScriptFunction(DynValue luaFunc, params object[] Args)

Parameters luaFunc DynValue Args object[] Returns DynValue DestroyScript() public void DestroyScript() GetGlobal(string) public DynValue GetGlobal(string name) **Parameters** name string Returns DynValue IsScriptPathSafe(string) public static bool IsScriptPathSafe(string path) **Parameters** path string

Returns

LoadScript(string, bool)

```
public bool LoadScript(string filename, bool reloading)
```

Parameters

filename string

reloading bool

Returns

bool

LoadScript(TextAsset, bool)

```
public bool LoadScript(TextAsset scriptasset, bool reloading)
```

Parameters

scriptasset TextAsset

reloading bool

Returns

bool

ReloadScript()

```
public bool ReloadScript()
```

Returns

ScriptIsValid()

```
public bool ScriptIsValid()
```

Returns

bool

SetGlobal(string, object)

public void SetGlobal(string name, object val)

Parameters

name string

val object

Delegate LuaModScript.del_postreload

Namespace: <u>LuaMod</u>
Assembly: LuaMod.dll

public delegate bool LuaModScript.del_postreload()

Returns

bool

Class LuaResources

Namespace: <u>LuaMod</u>
Assembly: LuaMod.dll

```
public class LuaResources : MonoBehaviour
```

Inheritance

object ← Il2CppObjectBase ← Object ← Object ← Component ← Behaviour ← MonoBehaviour ← LuaResources

Fields

boolKeys

public List<string> boolKeys

Field Value

List<string>

boolValues

public List<bool> boolValues

Field Value

List<bool>

floatKeys

public List<string> floatKeys

List<string>

floatValues

```
public List<float> floatValues
```

Field Value

List<float>

objectKeys

```
public List<string> objectKeys
```

Field Value

List<string>

objectValues

```
public List<Object> objectValues
```

Field Value

List<Object>

stringKeys

```
public List<string> stringKeys
```

Field Value

stringValues

```
public List<string> stringValues
```

Field Value

List<string>

Properties

Bools

```
public Dictionary<string, bool> Bools { get; }
```

Property Value

Dictionary<string, bool>

Floats

```
public Dictionary<string, float> Floats { get; }
```

Property Value

Dictionary<string, float>

Objects

```
public Dictionary<string, Object> Objects { get; }
```

Property Value

Strings

```
public Dictionary<string, string> Strings { get; }
Property Value
Dictionary<string, string>

Methods
Cast<T>(Object)
```

```
public static T Cast<T>(Object input) where T : class
```

Parameters

input Object

Returns

Τ

Type Parameters

Т

GetAllKeys()

```
public HashSet<string> GetAllKeys()
```

Returns

HashSet<string>

GetBool(string)

```
public bool GetBool(string key)
```

Parameters

key string

Returns

bool

GetDuplicateKeys()

```
public List<string> GetDuplicateKeys()
```

Returns

List<string>

GetFloat(string)

```
public float GetFloat(string key)
```

Parameters

key string

Returns

float

GetObject(string, string)

```
public DynValue GetObject(string key, string CompType)
```

Parameters key string CompType string Returns DynValue GetString(string) public string GetString(string key) **Parameters** key string Returns string RebuildAll() public void RebuildAll() SetBool(string, bool) public void SetBool(string key, bool value) **Parameters** key string value bool

SetFloat(string, float)

```
public void SetFloat(string key, float value)
```

Parameters

key string

value float

SetObject(string, Object)

```
public void SetObject(string key, Object value)
```

Parameters

key string

value Object

SetString(string, string)

public void SetString(string key, string value)

Parameters

key string

value string

Class LuaSafeCall

```
Namespace: LuaMod
Assembly: LuaMod.dll
 public static class LuaSafeCall
Inheritance
object ← LuaSafeCall
Methods
Run(Action, string)
 public static void Run(Action action, string context = "Unknown")
Parameters
action Action
context string
Run<T>(Func<T>, string)
 public static T Run<T>(Func<T> func, string context = "Unknown")
Parameters
func Func<T>
context string
Returns
Τ
```

Type Parameters

Т

Class ScriptManager

Namespace: <u>LuaMod</u>
Assembly: LuaMod.dll

public static class ScriptManager

Inheritance

object ← ScriptManager

Fields

ScriptList

public static List<LuaModScript> ScriptList

Field Value

List<LuaModScript>

Methods

DeregisterScript(LuaModScript)

public static void DeregisterScript(LuaModScript script)

Parameters

script LuaModScript

InitiateFileSystemMonitor()

public static void InitiateFileSystemMonitor()

RegisterScript(LuaModScript)

```
public static void RegisterScript(LuaModScript script)
```

Parameters

script LuaModScript

ReloadScripts()

public static void ReloadScripts()

Namespace LuaMod.BoneMenu

Classes

LuaFunctionElement

Class LuaFunctionElement

Namespace: <u>LuaMod.BoneMenu</u>

Assembly: LuaMod.dll

public class LuaFunctionElement : FunctionElement

Inheritance

object ← Element ← FunctionElement ← LuaFunctionElement

Inherited Members

Element.OnElementChanged , Element._elementName , Element._elementColor , Element._elementTooltip , Element.OnElementAdded() , Element.OnElementHover() , Element.OnElementDeselected() , Element.OnElementPressed() , Element.OnElementRemoved() , Element.SetProperty(ElementProperties) , Element.SetTooltip(string) , Element.ElementName , Element.ElementColor , Element.ElementTooltip , Element.HasTooltip , Element.Properties

Constructors

LuaFunctionElement(string, Color, LuaBehaviour, string)

public LuaFunctionElement(string name, Color color, LuaBehaviour own, string luafunc)

Parameters

name string

color Color

own LuaBehaviour

luafunc string

Properties

Logo

```
public Texture2D Logo { get; set; }
```

Property Value

Texture2D

Methods

OnElementSelected()

public override void OnElementSelected()

Namespace LuaMod.LuaAPI

Classes

API Audio

API_BoneMenu

API Events

NOTE: THIS CLASS PROBABLY A MEMORY LEAK - NEED TO DESTROY SCRIPT REFERENCES WHEN DESTROYED

API FileAccess

Provides Lua-accessible file operations such as opening and checking for file existence.

API_GameObject

Lua-exposed API for GameObject manipulation in Bonelab. Provides methods for spawning, destroying, and modifying Unity GameObjects from Lua scripts.

API_Input

API_Particles

API Physics

API_Player

API Random

API SLZ Combat

API SLZ NPC

API SLZ VoidLogic

API Utils

API Vector

BLFileAccess

Structs

EventListner

Class API_Audio

```
Namespace: <u>LuaMod.LuaAPI</u>
Assembly: LuaMod.dll

public class API_Audio

Inheritance

object ← API_Audio
```

Fields

Instance

```
public static readonly API_Audio Instance
```

Field Value

API Audio

Methods

BL_Play3DOneShot(AudioClip, Vector3, float, float, float)

```
public bool BL_Play3DOneShot(AudioClip Clip, Vector3 position, float volume = 1, float pitch
= 1, float spatialBlend = 1)
```

Parameters

Clip AudioClip

position Vector3

volume float

pitch float

spatialBlend float

Returns

bool

Class API_BoneMenu

Namespace: <u>LuaMod.LuaAPI</u>

Assembly: LuaMod.dll

```
public class API_BoneMenu
```

Inheritance

object ← API_BoneMenu

Fields

BL_Page

```
public static Page BL_Page
```

Field Value

Page

Instance

NOTE: AS IT STANDS, PLAYERS CAN STILL CALL PAGE.CREATEFUNCTION - NEEDS TO BE REMOVED FOR SAFETY

```
public static readonly API_BoneMenu Instance
```

Field Value

API_BoneMenu

Methods

BL_CreateFunction(Page, string, Color, LuaBehaviour, string)

```
public static LuaFunctionElement BL_CreateFunction(Page page, string name, Color color,
 LuaBehaviour owner, string function)
Parameters
page Page
name string
color Color
owner LuaBehaviour
function string
Returns
<u>LuaFunctionElement</u>
BL_DeletePage(Page)
 public static bool BL_DeletePage(Page page)
Parameters
page Page
Returns
bool
InvokeFloatAction()
 public static void InvokeFloatAction()
```

Class API_Events

Namespace: <u>LuaMod.LuaAPI</u>

Assembly: LuaMod.dll

NOTE: THIS CLASS PROBABLY A MEMORY LEAK - NEED TO DESTROY SCRIPT REFERENCES WHEN DESTROYED

```
public class API_Events
```

Inheritance

object ← API_Events

Fields

EventListeners

public static Dictionary<string, List<EventListner>> EventListeners

Field Value

Dictionary < string, List < <u>EventListner</u> > >

Instance

```
public static readonly API_Events Instance
```

Field Value

API Events

Methods

BL_InvokeEvent(string, params DynValue[])

```
public static bool BL_InvokeEvent(string eventName, params DynValue[] args)
Parameters
eventName string
args DynValue[]
Returns
bool
BL_SubscribeEvent(string, LuaBehaviour, string)
 public static bool BL_SubscribeEvent(string eventName, LuaBehaviour Owner, string func)
Parameters
eventName string
Owner LuaBehaviour
func string
Returns
bool
BL_SubscribeEvent(UnityEvent, LuaBehaviour, string)
 public static bool BL_SubscribeEvent(UnityEvent Uevent, LuaBehaviour Owner, string func)
Parameters
Uevent UnityEvent
```

Owner LuaBehaviour

func string

Returns

bool

SetUpEvents()

public static void SetUpEvents()

Class API_FileAccess

Namespace: <u>LuaMod.LuaAPI</u>

Assembly: LuaMod.dll

Provides Lua-accessible file operations such as opening and checking for file existence.

```
public class API_FileAccess
```

Inheritance

object ← API_FileAccess

Remarks

Use this API to safely interact with the file system from Lua scripts. File paths are validated to prevent unauthorized access outside the mod sandbox.

Files opened with <u>BL OpenFile(string)</u> return a <u>BLFileAccess</u> object for reading or writing contents.

Fields

Instance

```
public static readonly API_FileAccess Instance
```

Field Value

API FileAccess

Methods

BL_FileExists(string)

Determines whether a file exists at the specified relative path within the mod's sandbox.

```
public static bool BL_FileExists(string name)
```

Parameters

name string

The relative file path to check.

Returns

bool

Returns true if the file exists and the path is safe; otherwise, false. Throws an exception if the path is unsafe.

BL_OpenFile(string)

Opens a file at the specified path and returns a **BLFileAccess** object for interacting with it.

public static BLFileAccess BL_OpenFile(string name)

Parameters

name string

The relative path to the file.

Returns

BLFileAccess

A BLFileAccess object if the path is safe; throws an exception otherwise.

Class API_GameObject

Namespace: LuaMod.LuaAPI

Assembly: LuaMod.dll

Lua-exposed API for GameObject manipulation in Bonelab. Provides methods for spawning, destroying, and modifying Unity GameObjects from Lua scripts.

```
public class API_GameObject
```

Inheritance

object ← API_GameObject

Fields

Instance

Singleton instance of the API_GameObject class.

```
public static readonly API_GameObject Instance
```

Field Value

API GameObject

Methods

BL_AddComponent(GameObject, string)

Adds a component of the specified type to the GameObject.

```
public DynValue BL_AddComponent(GameObject obj, string CompType)
```

Parameters

obj GameObject

CompType string

Returns

DynValue

BL_CreateEmptyGameObject()

Creates a new empty GameObject in the scene.

```
public GameObject BL_CreateEmptyGameObject()
```

Returns

GameObject

BL_Destroy(Object)

Destroys the specified Unity Object.

```
public static void BL_Destroy(Object obj)
```

Parameters

obj Object

BL_DestroyGameObject(GameObject)

Destroys the specified GameObject.

```
public static void BL_DestroyGameObject(GameObject obj)
```

Parameters

obj GameObject

BL_EntityPose(string)

Creates a DataCardReference for the given EntityPose barcode.

public DataCardReference<EntityPose> BL_EntityPose(string barcode)

Parameters

barcode string

Returns

DataCardReference < EntityPose >

BL_FindAllInChildren(GameObject, string)

Finds all child GameObjects with the specified name.

```
public DynValue BL_FindAllInChildren(GameObject gameObject, string name)
```

Parameters

gameObject GameObject

name string

Returns

DynValue

BL_FindAllInWorld(string)

Finds all GameObjects in the scene with the specified name.

```
public DynValue BL_FindAllInWorld(string name)
```

Parameters

name string Returns DynValue BL_FindInChildren(GameObject, string) Finds a child GameObject by name under the specified parent GameObject. public DynValue BL_FindInChildren(GameObject gameObject, string name) **Parameters** gameObject GameObject name string Returns DynValue BL_FindInWorld(string) Finds a GameObject in the scene by name. public DynValue BL_FindInWorld(string name) **Parameters** name string

Returns

DynValue

BL_GetComponent(GameObject, string)

Gets a component of the specified type on the GameObject.

```
public DynValue BL_GetComponent(GameObject obj, string CompType)
```

Parameters

obj GameObject

CompType string

Returns

DynValue

BL_GetComponentInChildren(GameObject, string)

Gets a component of the specified type from the GameObject's children.

```
public DynValue BL_GetComponentInChildren(GameObject obj, string CompType)
```

Parameters

obj GameObject

CompType string

Returns

DynValue

BL_GetComponents(GameObject, string)

Gets all components of the specified type on the GameObject.

```
public List<DynValue> BL_GetComponents(GameObject obj, string CompType)
```

Parameters

obj GameObject
CompType string

Returns

List<DynValue>

BL_GetComponentsInChildren(GameObject, string, bool)

Gets all components of the specified type in the GameObject's children.

```
public List<DynValue> BL_GetComponentsInChildren(GameObject obj, string CompType, bool
includeInactive = false)
```

Parameters

obj GameObject

CompType string

includeInactive bool

Returns

List < Dyn Value >

BL_InstantiateGameObject(GameObject)

Instantiates a new GameObject based on the provided original.

```
public GameObject BL_InstantiateGameObject(GameObject original)
```

Parameters

original GameObject

Returns

BL_IsValid(Object)

Returns true if the given Unity Object is valid (not null).

```
public static bool BL_IsValid(Object obj)
```

Parameters

obj Object

Returns

bool

BL_SpawnByBarcode(LuaBehaviour, string, string, Vector3, Quaternion, GameObject, bool)

Spawns a crate by barcode and assigns it to a LuaBehaviour script variable. Note: Crate spawning is asyncronous, so the variable won't be valid immediently

```
public static void BL_SpawnByBarcode(LuaBehaviour LB, string VariableName, string
SpawnBCode, Vector3 pos, Quaternion rotation, GameObject NewParent, bool Active = true)
```

Parameters

LB LuaBehaviour

VariableName string

SpawnBCode string

pos Vector3

rotation Quaternion

NewParent GameObject

BL_SpawnByBarcode(string, Vector3, Quaternion)

Spawns a crate by barcode at the specified position and rotation.

public static void BL_SpawnByBarcode(string SpawnBCode, Vector3 pos, Quaternion rotation)

Parameters

SpawnBCode string

pos Vector3

rotation Quaternion

Class API_Input

```
Namespace: <u>LuaMod.LuaAPI</u>
Assembly: LuaMod.dll

public class API_Input
```

Inheritance

object ← API_Input

Fields

Instance

```
public static readonly API_Input Instance
```

Field Value

API_Input

Methods

BL_IsAButtonDown()

```
public static bool BL_IsAButtonDown()
```

Returns

bool

BL_IsAButtonDownOnce()

```
public static bool BL_IsAButtonDownOnce()
```

Returns

bool

BL_IsAButtonUpOnce()

```
public static bool BL_IsAButtonUpOnce()
```

Returns

bool

BL_IsBButtonDown()

```
public static bool BL_IsBButtonDown()
```

Returns

bool

BL_IsBButtonDownOnce()

```
public static bool BL_IsBButtonDownOnce()
```

Returns

bool

BL_IsBButtonUpOnce()

```
public static bool BL_IsBButtonUpOnce()
```

Returns

BL_IsKeyDown(int)

```
public static bool BL_IsKeyDown(int keyCodeArg)
```

Parameters

keyCodeArg int

Returns

bool

BL_IsXButtonDown()

```
public static bool BL_IsXButtonDown()
```

Returns

bool

BL_IsXButtonDownOnce()

```
public static bool BL_IsXButtonDownOnce()
```

Returns

bool

BL_IsXButtonUpOnce()

```
public static bool BL_IsXButtonUpOnce()
```

Returns

bool

BL_IsYButtonDown()

```
public static bool BL_IsYButtonDown()
```

Returns

bool

BL_IsYButtonDownOnce()

```
public static bool BL_IsYButtonDownOnce()
```

Returns

bool

BL_IsYButtonUpOnce()

```
public static bool BL_IsyButtonUpOnce()
```

Returns

bool

BL_LeftController_IsGrabbed()

```
public static bool BL_LeftController_IsGrabbed()
```

Returns

BL_LeftHand()

```
public static GameObject BL_LeftHand()
```

Returns

GameObject

BL_LeftHandEmpty()

```
public static bool BL_LeftHandEmpty()
```

Returns

bool

BL_RightController_IsGrabbed()

```
public static bool BL_RightController_IsGrabbed()
```

Returns

bool

BL_RightHand()

```
public static GameObject BL_RightHand()
```

Returns

GameObject

BL_RightHandEmpty()

public static bool BL_RightHandEmpty()

Returns

bool

Class API_Particles

```
Namespace: <u>LuaMod.LuaAPI</u>
Assembly: LuaMod.dll
```

public class API_Particles

Inheritance

object ← API_Particles

Fields

Instance

```
public static readonly API_Particles Instance
```

Field Value

API_Particles

Methods

BL_GetParticles(ParticleSystem, int, int)

```
public static ParticleSystem.Particle[] BL_GetParticles(ParticleSystem system, int size,
int offset)
```

Parameters

system ParticleSystem

size int

offset int

Returns

Particle[]

BL_lineRenderer_GetPositions(LineRenderer)

public static DynValue BL_lineRenderer_GetPositions(LineRenderer LR)

Parameters

LR LineRenderer

Returns

DynValue

CreateTrailSegmentArray(int)

public Vector3[] CreateTrailSegmentArray(int size)

Parameters

size int

Returns

Vector3[]

Class API_Physics

```
Namespace: <u>LuaMod.LuaAPI</u>
```

Assembly: LuaMod.dll

```
public class API_Physics
```

Inheritance

object ← API_Physics

Fields

Instance

```
public static readonly API_Physics Instance
```

Field Value

API_Physics

Methods

BL_BoxCast(Vector3, Vector3, Vector3, Quaternion, float, int)

```
public static DynValue BL_BoxCast(Vector3 center, Vector3 halfExtents, Vector3 direction,
Quaternion orientation, float maxDistance, int layerMask = -5)
```

Parameters

center Vector3

halfExtents Vector3

direction Vector3

orientation Quaternion

maxDistance float

layerMask int

Returns

DynValue

BL_BoxCastAll(Vector3, Vector3, Vector3, Quaternion, float, int)

public static DynValue BL_BoxCastAll(Vector3 center, Vector3 halfExtents, Vector3 direction,
Quaternion orientation, float maxDistance, int layerMask = -5)

Parameters

center Vector3

halfExtents Vector3

direction Vector3

orientation Quaternion

maxDistance float

layerMask int

Returns

DynValue

BL_CapsuleCast(Vector3, Vector3, float, Vector3, float, int)

public static DynValue BL_CapsuleCast(Vector3 point1, Vector3 point2, float radius, Vector3
direction, float maxDistance, int layerMask = -5)

Parameters

point1 Vector3

point2 Vector3 radius float direction Vector3 maxDistance float layerMask int Returns DynValue BL_CapsuleCastAll(Vector3, Vector3, float, Vector3, float, int) public static DynValue BL_CapsuleCastAll(Vector3 point1, Vector3 point2, float radius, Vector3 direction, float maxDistance, int layerMask = -5) **Parameters** point1 Vector3 point2 Vector3 radius float direction Vector3 maxDistance float layerMask int Returns DynValue

BL_RayCast(Vector3, Vector3)

public static DynValue BL_RayCast(Vector3 start_pos, Vector3 end_pos)

Parameters start_pos Vector3 end_pos Vector3 Returns DynValue BL_RayCast(Vector3, Vector3, float) public static DynValue BL_RayCast(Vector3 origin, Vector3 direction, float maxdistance = Infinity) **Parameters** origin Vector3 direction Vector3 maxdistance float Returns DynValue BL_SphereCast(Vector3, Vector3, float) public static DynValue BL_SphereCast(Vector3 start_pos, Vector3 end_pos, float radius) **Parameters** start_pos Vector3

end pos Vector3

radius float

Returns

DynValue

BL_SphereCast(Vector3, Vector3, float, float)

```
public static DynValue BL_SphereCast(Vector3 origin, Vector3 direction, float radius,
float maxdistance)
```

Parameters

origin Vector3

direction Vector3

radius float

maxdistance float

Returns

DynValue

BL_SphereCastAll(Vector3, float, Vector3, float, int)

```
public static DynValue BL_SphereCastAll(Vector3 origin, float radius, Vector3 direction,
float maxDistance, int layerMask = -5)
```

Parameters

origin Vector3

radius float

direction Vector3

maxDistance float

layerMask int

Returns

DynValue

BL_SphereCastAll(Vector3, Vector3, float, int)

```
public static DynValue BL_SphereCastAll(Vector3 start_pos, Vector3 end_pos, float radius,
int layerMask = -5)
```

Parameters

start_pos Vector3

end_pos Vector3

radius float

layerMask int

Returns

DynValue

Class API_Player

```
Namespace: <u>LuaMod.LuaAPI</u>
Assembly: LuaMod.dll
```

```
public class API_Player
```

Inheritance

object ← API_Player

Fields

Instance

```
public static readonly API_Player Instance
```

Field Value

API_Player

Methods

BL_GetAvatar()

```
public static Avatar BL_GetAvatar()
```

Returns

Avatar

BL_GetAvatarCenter()

```
public static DynValue BL_GetAvatarCenter()
```

Returns

DynValue

BL_GetAvatarGameObject()

```
public static GameObject BL_GetAvatarGameObject()
```

Returns

GameObject

BL_GetControllerRig()

```
public static ControllerRig BL_GetControllerRig()
```

Returns

ControllerRig

BL_GetPhysicsRig()

```
public static PhysicsRig BL_GetPhysicsRig()
```

Returns

PhysicsRig

BL_PlayerHealth()

```
public static Health BL_PlayerHealth()
```

Returns

BL_SetAvatarPosition(Vector3)

public static bool BL_SetAvatarPosition(Vector3 pos)

Parameters

pos Vector3

Returns

bool

BL_SetAvatarPosition(Vector3, Quaternion)

public static bool BL_SetAvatarPosition(Vector3 pos, Quaternion rot)

Parameters

pos Vector3

rot Quaternion

Returns

Class API_Random

```
Namespace: <u>LuaMod.LuaAPI</u>
Assembly: LuaMod.dll

public class API_Random
```

Inheritance

object ← API_Random

Fields

Instance

```
public static readonly API_Random Instance
```

Field Value

API_Random

Methods

BL_RandomRange(float, float)

```
public float BL_RandomRange(float min, float max)
```

Parameters

min float

max float

Returns

float

BL_onUnitSphere()

public Vector3 BL_onUnitSphere()

Returns

Vector3

Class API_SLZ_Combat

```
Namespace: <u>LuaMod.LuaAPI</u>
Assembly: LuaMod.dll
```

public class API_SLZ_Combat

Inheritance

object ← API_SLZ_Combat

Fields

Instance

```
public static readonly API_SLZ_Combat Instance
```

Field Value

API SLZ Combat

Methods

ApplyForce(Rigidbody, Vector3, Vector3, float)

```
public static bool ApplyForce(Rigidbody rb, Vector3 pos, Vector3 normal, float force)
```

Parameters

rb Rigidbody

pos Vector3

normal Vector3

force float

Returns

bool

BL_AttackEnemy(GameObject, float, Collider, Vector3, Vector3)

public static bool BL_AttackEnemy(GameObject obj, float damage, Collider col, Vector3 pos, Vector3 normal)

Parameters

obj GameObject

damage float

col Collider

pos Vector3

normal Vector3

Returns

Class API_SLZ_NPC

```
Namespace: <u>LuaMod.LuaAPI</u>
Assembly: LuaMod.dll

public class API_SLZ_NPC

Inheritance

object ← API_SLZ_NPC
```

Fields

Instance

```
public static readonly API_SLZ_NPC Instance
```

Field Value

API SLZ NPC

Methods

BL_CalculatePath(Vector3, Vector3, int)

```
public static NavMeshPath BL_CalculatePath(Vector3 start_pos, Vector3 end_pos, int areaMask
= -1)
```

Parameters

```
start_pos Vector3
end_pos Vector3
areaMask int
```

Returns

NavMeshPath

BL_SamplePosition(Vector3, float, int)

```
public static Vector3? BL_SamplePosition(Vector3 position, float maxDistance, int areaMask
= -1)
```

Parameters

position Vector3

maxDistance float

areaMask int

Returns

Vector3?

BL_SetNPCAnger(GameObject, GameObject)

public bool BL_SetNPCAnger(GameObject NPC, GameObject Target)

Parameters

NPC GameObject

Target GameObject

Returns

Class API_SLZ_VoidLogic

Namespace: <u>LuaMod.LuaAPI</u>

Assembly: LuaMod.dll

```
public class API_SLZ_VoidLogic
```

Inheritance

object ← API_SLZ_VoidLogic

Fields

Instance

```
public static readonly API_SLZ_VoidLogic Instance
```

Field Value

API_SLZ_VoidLogic

Methods

BL_SetMarrowEntityPoseDectoratorPose(MarrowEntityPoseDecorator, string)

```
public static bool BL_SetMarrowEntityPoseDectoratorPose(MarrowEntityPoseDecorator posedec,
string barcode)
```

Parameters

posedec MarrowEntityPoseDecorator

barcode string

Returns

GetVoidLogicManager()

public static VoidLogicManager GetVoidLogicManager()

Returns

VoidLogicManager

Class API_Utils

Namespace: <u>LuaMod.LuaAPI</u>

Assembly: LuaMod.dll

```
public class API_Utils
```

Inheritance

object ← API_Utils

Fields

Instance

```
public static readonly API_Utils Instance
```

Field Value

API_Utils

Methods

BL_CollectionLength(ICollection)

```
public static int BL_CollectionLength(ICollection collection)
```

Parameters

collection ICollection

Returns

int

BL_ConvertObjectToType(Object, string)

```
public DynValue BL_ConvertObjectToType(Object obj, string CompType)
Parameters
obj Object
CompType string
Returns
DynValue
BL_GetBarcode(GameObject)
 public string BL_GetBarcode(GameObject gameObject)
Parameters
gameObject GameObject
Returns
string
BL_GetSceneName()
 public string BL_GetSceneName()
Returns
string
```

Class API_Vector

```
Namespace: <u>LuaMod.LuaAPI</u>
Assembly: LuaMod.dll

public class API_Vector

Inheritance

object ← API_Vector
```

Fields

Instance

```
public static readonly API_Vector Instance
```

Field Value

API_Vector

Methods

```
BL_Vector3(float, float, float)
```

```
public static Vector3 BL_Vector3(float x, float y, float z)
```

Parameters

- x float
- y float
- z float

Returns

Class BLFileAccess

Namespace: <u>LuaMod</u>, <u>LuaAPI</u>

Assembly: LuaMod.dll

public class BLFileAccess

Inheritance

object ← BLFileAccess

Constructors

BLFileAccess(string)

public BLFileAccess(string name)

Parameters

name string

Fields

currentLineNumber

protected int currentLineNumber

Field Value

int

relativeFileName

protected string relativeFileName

Field Value

string

Properties

LineNumber

```
public int LineNumber { get; set; }
```

Property Value

int

Methods

Close()

```
public void Close()
```

ReadLine()

```
public string ReadLine()
```

Returns

string

ReadToEnd()

```
public string ReadToEnd()
```

Returns

Write(string, bool)

```
public bool Write(string contents, bool append)
```

Parameters

contents string

append bool

Returns

bool

WriteLine(string, bool)

public bool WriteLine(string line, bool append)

Parameters

line string

append bool

Returns

Struct EventListner

Namespace: <u>LuaMod.LuaAPI</u>

Assembly: LuaMod.dll

public struct EventListner

Fields

function

public string function

Field Value

string

owner

public LuaBehaviour owner

Field Value

<u>LuaBehaviour</u>