

Table of Contents

PuerTsPlugin.PuerTS_MCS	PuerTsPlugin.PuerTS_MCS
Main	Main
PuerTsPlugin.PuerTS_MCS.Loader	PuerTsPlugin.PuerTS_MCS.Loader
McsLoader	McsLoader
PuerTsPlugin.PuerTS_MCS.Manager	PuerTsPlugin.PuerTS_MCS.Manager
JsEnvManager	JsEnvManager
PuerTsPlugin.PuerTS_MCS.Puerts	PuerTsPlugin.PuerTS_MCS.Puerts
DefaultLoader	DefaultLoader
ILoader	ILoader
IModuleChecker	IModuleChecker
JSConstructorCallback	JSConstructorCallback
JsEnv	JsEnv
JSFunctionCallback	JSFunctionCallback
TypeExtensions	TypeExtensions
Utils	Utils
Utils.GetValueForCheck	Utils.GetValueForCheck
PuerTsPlugin.PuerTS_MCS.Puerts.JSType	PuerTsPlugin.PuerTS_MCS.Puerts.JSType
Any<T>	Any<T>
ArrayBuffer	ArrayBuffer
ByteValue	ByteValue
CharValue	CharValue
DoubleValue	DoubleValue
FloatValue	FloatValue
GenericDelegate	GenericDelegate
Int16Value	Int16Value
Int32Value	Int32Value
Int64Value	Int64Value
JSObject	JSObject
SByteValue	SByteValue
TypedValue	TypedValue
UInt16Value	UInt16Value
UInt32Value	UInt32Value
UInt64Value	UInt64Value

PuerTsPlugin.PuerTS_MCS.Puerts.Native PuerTsPlugin.PuerTS_MCS.Puerts.Native
Backend Backend
BackendNodeJS BackendNodeJS
BackendQuickJS BackendQuickJS
BackendV8 BackendV8
JsValueType JsValueType
LogCallback LogCallback
ModuleResolveCallback ModuleResolveCallback
MonoPInvokeCallbackAttribute MonoPInvokeCallbackAttribute
PuertsDLL PuertsDLL
V8ConstructorCallback V8ConstructorCallback
V8DestructorCallback V8DestructorCallback
V8FunctionCallback V8FunctionCallback
PuerTsPlugin.PuerTS_MCS.Puerts.Translator PuerTsPlugin.PuerTS_MCS.Puerts.Translator
ArgHelper ArgHelper
GeneralGetter GeneralGetter
GeneralGetterManager GeneralGetterManager
GeneralSetter GeneralSetter
GeneralSetterManager GeneralSetterManager
GetValueFromArgumentImpl GetValueFromArgumentImpl
GetValueFromResultImpl GetValueFromResultImpl
IGetValueFromJs IGetValueFromJs
ISetValueToJs ISetValueToJs
NativeValueApi NativeValueApi
ObjectPool ObjectPool
PrimitiveTypeTranslate PrimitiveTypeTranslate
ResultHelper ResultHelper
SetValueToArgumentImpl SetValueToArgumentImpl
SetValueToByRefArgumentImpl SetValueToByRefArgumentImpl
SetValueToResultImpl SetValueToResultImpl
StaticTranslate<T> StaticTranslate<T>
StaticTranslate<T>.GetFunc StaticTranslate<T>.GetFunc
StaticTranslate<T>.PushFunc StaticTranslate<T>.PushFunc
PuerTsPlugin.PuerTS_MCS.Puerts.Wrapper PuerTsPlugin.PuerTS_MCS.Puerts.Wrapper
DelegateConstructWrap DelegateConstructWrap
GenericMethodWrap GenericMethodWrap
JSCallInfo JSCallInfo

LazyFieldWrap LazyFieldWrap
LazyMemberRegisterInfo LazyMemberRegisterInfo
LazyMembersWrap LazyMembersWrap
LazyMemberType LazyMemberType
LazyMethodWrap LazyMethodWrap
LazyPropertyWrap LazyPropertyWrap
MethodKey MethodKey
MethodReflectionWrap MethodReflectionWrap
OverloadReflectionWrap OverloadReflectionWrap
Parameters Parameters
PropertyRegisterInfo PropertyRegisterInfo
TypeRegisterInfo TypeRegisterInfo
PuerTsPlugin.PuerTS_MCS.Util PuerTsPlugin.PuerTS_MCS.Util
DllTool DllTool

Namespace PuerTsPlugin.PuerTS_MCS

Classes

[Main](#)

PuerTS_MCS 插件入口方法

Class Main

PuerTS_MCS 插件入口方法

Inheritance

object
Object
Component
Behaviour
MonoBehaviour
BaseUnityPlugin
Main

Inherited Members

BaseUnityPlugin.Info
BaseUnityPlugin.Logger
BaseUnityPlugin.Config
MonoBehaviour.IsInvoking()
MonoBehaviour.CancelInvoke()
MonoBehaviour.Invoke(string, float)
MonoBehaviour.InvokeRepeating(string, float, float)
MonoBehaviour.CancelInvoke(string)
MonoBehaviour.IsInvoking(string)
MonoBehaviour.StartCoroutine(string)
MonoBehaviour.StartCoroutine(string, object)
MonoBehaviour.StartCoroutine(IEnumerator)
MonoBehaviour.StartCoroutine_Auto(IEnumerator)
MonoBehaviour.StopCoroutine(IEnumerator)
MonoBehaviour.StopCoroutine(Coroutine)
MonoBehaviour.StopCoroutine(string)
MonoBehaviour.StopAllCoroutines()
MonoBehaviour.print(object)
MonoBehaviour.useGUILayout
Behaviour.enabled
Behaviour.isActiveAndEnabled
Component.GetComponent(Type)
Component.GetComponent<T>()
Component.GetComponent(string)
Component.GetComponentInChildren(Type, bool)
Component.GetComponentInChildren(Type)
Component.GetComponentInChildren<T>(bool)
Component.GetComponentInChildren<T>()
Component.GetComponentInChildren(Type, bool)
Component.GetComponentInChildren<T>(bool)
Component.GetComponentInChildren<T>(bool, List<T>)
Component.GetComponentInChildren<T>()
Component.GetComponentInChildren<T>(List<T>)
Component.GetComponentInParent(Type)
Component.GetComponentInParent<T>()
Component.GetComponentInParent(Type, bool)
Component.GetComponentInParent(Type)
Component.GetComponentInParent<T>(bool)

Component.GetComponentInChildren<T>(bool, List<T>)
Component.GetComponentInChildren<T>()
Component.GetComponent(Type)
Component.GetComponent(Type, List<Component>)
Component.GetComponent<T>(List<T>)
Component.GetComponent<T>()
Component.CompareTag(string)
Component.SendMessageUpwards(string, object, SendMessageOptions)
Component.SendMessageUpwards(string, object)
Component.SendMessageUpwards(string)
Component.SendMessageUpwards(string, SendMessageOptions)
Component.SendMessage(string, object)
Component.SendMessage(string)
Component.SendMessage(string, object, SendMessageOptions)
Component.SendMessage(string, SendMessageOptions)
Component.BroadcastMessage(string, object, SendMessageOptions)
Component.BroadcastMessage(string, object)
Component.BroadcastMessage(string)
Component.BroadcastMessage(string, SendMessageOptions)
Component.transform
Component.gameObject
Component.tag
Object.GetInstanceID()
Object.GetHashCode()
Object.Equals(object)
Object.Instantiate(Object, Vector3, Quaternion)
Object.Instantiate(Object, Vector3, Quaternion, Transform)
Object.Instantiate(Object)
Object.Instantiate(Object, Transform)
Object.Instantiate(Object, Transform, bool)
Object.Instantiate<T>(T)
Object.Instantiate<T>(T, Vector3, Quaternion)
Object.Instantiate<T>(T, Vector3, Quaternion, Transform)
Object.Instantiate<T>(T, Transform)
Object.Instantiate<T>(T, Transform, bool)
Object.Destroy(Object, float)
Object.Destroy(Object)
Object.DestroyImmediate(Object, bool)
Object.DestroyImmediate(Object)
Object.FindObjectsOfType(Type)
Object.DontDestroyOnLoad(Object)
Object.DestroyObject(Object, float)
Object.DestroyObject(Object)
Object.FindSceneObjectsOfType(Type)
Object.FindObjectsOfTypeIncludingAssets(Type)
Object.FindObjectsOfType<T>()
Object.FindObjectOfType<T>()
Object.FindObjectsOfTypeAll(Type)
Object.FindObjectOfType(Type)
Object.ToString()
Object.name
Object.hideFlags

object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.PuerTS_MCS

Assembly: PuerTS_MCS.dll

Syntax

```
[BepInPlugin("PuerTsPlugin.PuerTS_MCS", "PuerTS_MCS", "0.1.0")]  
public class Main : BaseUnityPlugin
```

Fields

dllFiles

引用 DLL 文件名列表

Declaration

```
public List<string> dllFiles
```

Field Value

TYPE	DESCRIPTION
List<string>	

ModPath

项目 DLL 文件所在路径

Declaration

```
public readonly string ModPath
```

Field Value

TYPE	DESCRIPTION
string	

Version

PuerTS_MCS 插件版本信息

Declaration

```
public const string Version = "0.1.0"
```

Field Value

TYPE	DESCRIPTION
string	

Properties

Instance

PuerTS_MCS 插件 Main 方法单例对象

Declaration

```
public static Main Instance { get; }
```

Property Value

TYPE	DESCRIPTION
Main	

JsEnvManager

JsEnv 管理器单例对象

Declaration

```
public static JsEnvManager JsEnvManager { get; }
```

Property Value

TYPE	DESCRIPTION
JsEnvManager	

Methods

Log(object)

封装静态 Log 方法

Declaration

```
public static void Log(object message)
```

Parameters

TYPE	NAME	DESCRIPTION
object	message	普通信息

LogError(object)

封装静态 Log 方法

Declaration

```
public static void LogError(object message)
```

Parameters

TYPE	NAME	DESCRIPTION
object	message	异常信息

LoggerError(object)

封装控制台异常信息打印方法

Declaration


```
public void LoggerError(object message)
```

Parameters

TYPE	NAME	DESCRIPTION
object	message	异常信息

LoggerInfo(object)

封装控制台常规信息打印方法

Declaration

```
public void LoggerInfo(object message)
```

Parameters

TYPE	NAME	DESCRIPTION
object	message	常规信息

LoggerWarn(object)

封装控制台警告信息打印方法

Declaration

```
public void LoggerWarn(object message)
```

Parameters

TYPE	NAME	DESCRIPTION
object	message	警告信息

LogInfo(object)

封装静态 Log 方法

Declaration

```
public static void LogInfo(object message)
```

Parameters

TYPE	NAME	DESCRIPTION
object	message	普通信息

LogWarn(object)

封装静态 Log 方法

Declaration

```
public static void LogWarn(object message)
```

Parameters

TYPE	NAME	DESCRIPTION
object	message	警告信息

Namespace PuerTsPlugin.PuerTS_MCS.Loader

Classes

[McsLoader](#)

觅长生数据加载器

Class McsLoader

觅长生数据加载器

Inheritance

object
McsLoader

Implements

[ILoader](#)
[IModuleChecker](#)

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Loader](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class McsLoader : ILoader, IModuleChecker
```

Methods

FileExists(string)

验证 PuerTs 文件是否存在

Declaration

```
public bool FileExists(string fileName)
```

Parameters

TYPE	NAME	DESCRIPTION
string	fileName	文件名称

Returns

TYPE	DESCRIPTION
bool	

IsESM(string)

Declaration

```
public bool IsESM(string filepath)
```

Parameters

TYPE	NAME	DESCRIPTION
string	filepath	

Returns

TYPE	DESCRIPTION
bool	

ReadFile(string, out string)

文件读取方式

Declaration

```
public string ReadFile(string fileName, out string debugPath)
```

Parameters

TYPE	NAME	DESCRIPTION
string	fileName	文件名称
string	debugPath	文件路径

Returns

TYPE	DESCRIPTION
string	读取的文件数据或空

Implements

[ILoader](#)

[IModuleChecker](#)

Namespace PuerTsPlugin.PuerTS_MCS.Manager

Classes

[JsEnvManager](#)

JsEnv 管理器

Class JsEnvManager

JsEnv 管理器

Inheritance

object
Object
Component
Behaviour
MonoBehaviour
JsEnvManager

Inherited Members

MonoBehaviour.IsInvoking()
MonoBehaviour.CancelInvoke()
MonoBehaviour.Invoke(string, float)
MonoBehaviour.InvokeRepeating(string, float, float)
MonoBehaviour.CancelInvoke(string)
MonoBehaviour.IsInvoking(string)
MonoBehaviour.StartCoroutine(string)
MonoBehaviour.StartCoroutine(string, object)
MonoBehaviour.StartCoroutine(IEnumerator)
MonoBehaviour.StartCoroutine_Auto(IEnumerator)
MonoBehaviour.StopCoroutine(IEnumerator)
MonoBehaviour.StopCoroutine(Coroutine)
MonoBehaviour.StopCoroutine(string)
MonoBehaviour.StopAllCoroutines()
MonoBehaviour.print(object)
MonoBehaviour.useGUILayout
Behaviour.enabled
Behaviour.isActiveAndEnabled
Component.GetComponent(Type)
Component.GetComponent<T>()
Component.GetComponent(string)
Component.GetComponentInChildren(Type, bool)
Component.GetComponentInChildren(Type)
Component.GetComponentInChildren<T>(bool)
Component.GetComponentInChildren<T>()
Component.GetComponentInChildren<T>(bool)
Component.GetComponentInChildren<T>(bool, List<T>)
Component.GetComponentInChildren<T>()
Component.GetComponentInChildren<T>(List<T>)
Component.GetComponentInParent(Type)
Component.GetComponentInParent<T>()
Component.GetComponentInParent(Type, bool)
Component.GetComponentInParent(Type)
Component.GetComponentInParent<T>(bool)
Component.GetComponentInParent<T>(bool, List<T>)
Component.GetComponentInParent<T>()
Component.GetComponent(Type)
Component.GetComponent<T>(Type, List<Component>)

Component.GetComponents<T>(List<T>)
Component.GetComponents<T>()
Component.CompareTag(string)
Component.SendMessageUpwards(string, object, SendMessageOptions)
Component.SendMessageUpwards(string, object)
Component.SendMessageUpwards(string)
Component.SendMessageUpwards(string, SendMessageOptions)
Component.SendMessage(string, object)
Component.SendMessage(string)
Component.SendMessage(string, object, SendMessageOptions)
Component.SendMessage(string, SendMessageOptions)
Component.BroadcastMessage(string, object, SendMessageOptions)
Component.BroadcastMessage(string, object)
Component.BroadcastMessage(string)
Component.BroadcastMessage(string, SendMessageOptions)
Component.transform
Component.gameObject
Component.tag
Object.GetInstanceID()
Object.GetHashCode()
Object.Equals(object)
Object.Instantiate(Object, Vector3, Quaternion)
Object.Instantiate(Object, Vector3, Quaternion, Transform)
Object.Instantiate(Object)
Object.Instantiate(Object, Transform)
Object.Instantiate(Object, Transform, bool)
Object.Instantiate<T>(T)
Object.Instantiate<T>(T, Vector3, Quaternion)
Object.Instantiate<T>(T, Vector3, Quaternion, Transform)
Object.Instantiate<T>(T, Transform)
Object.Instantiate<T>(T, Transform, bool)
Object.Destroy(Object, float)
Object.Destroy(Object)
Object.DestroyImmediate(Object, bool)
Object.DestroyImmediate(Object)
Object.FindObjectsOfType(Type)
Object.DontDestroyOnLoad(Object)
Object.DestroyObject(Object, float)
Object.DestroyObject(Object)
Object.FindSceneObjectsOfType(Type)
Object.FindObjectsOfTypeIncludingAssets(Type)
Object.FindObjectsOfType<T>()
Object.FindObjectOfType<T>()
Object.FindObjectsOfTypeAll(Type)
Object.FindObjectOfType(Type)
Object.ToString()
Object.name
Object.hideFlags
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.PuerTS_MCS.Manager

Assembly: PuerTS_MCS.dll

Syntax

```
public class JsEnvManager : MonoBehaviour
```

Fields

Inst

JsEnvManager 单例对象

Declaration

```
public static JsEnvManager Inst
```

Field Value

TYPE	DESCRIPTION
JsEnvManager	

JsEnv

JsEnv 实例

Declaration

```
public JsEnv JsEnv
```

Field Value

TYPE	DESCRIPTION
JsEnv	

Namespace PuerTsPlugin.PuerTS_MCS.Puerts

Classes

[DefaultLoader](#)

[JsEnv](#)

[TypeExtensions](#)

[Utils](#)

Interfaces

[ILoader](#)

[IModuleChecker](#)

Delegates

[JSConstructorCallback](#)

[JSFunctionCallback](#)

[Utils.GetValueForCheck](#)

Class DefaultLoader

Inheritance

object
DefaultLoader

Implements

[ILoader](#)
[IModuleChecker](#)

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts](#)
Assembly: PuerTS_MCS.dll

Syntax

```
public class DefaultLoader : ILoader, IModuleChecker
```

Constructors

DefaultLoader()

Declaration

```
public DefaultLoader()
```

DefaultLoader(string)

Declaration

```
public DefaultLoader(string root)
```

Parameters

TYPE	NAME	DESCRIPTION
string	root	

Methods

FileExists(string)

Declaration

```
public bool FileExists(string filepath)
```

Parameters

TYPE	NAME	DESCRIPTION
string	filepath	

Returns

TYPE	DESCRIPTION
bool	

IsESM(string)

Declaration

```
public bool IsESM(string filepath)
```

Parameters

TYPE	NAME	DESCRIPTION
string	filepath	

Returns

TYPE	DESCRIPTION
bool	

ReadFile(string, out string)

Declaration

```
public string ReadFile(string filepath, out string debugpath)
```

Parameters

TYPE	NAME	DESCRIPTION
string	filepath	
string	debugpath	

Returns

TYPE	DESCRIPTION
string	

Implements

[ILoader](#)

[IModuleChecker](#)

Interface ILoader

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public interface ILoader
```

Methods

FileExists(string)

Declaration

```
bool FileExists(string filepath)
```

Parameters

TYPE	NAME	DESCRIPTION
string	filepath	

Returns

TYPE	DESCRIPTION
bool	

ReadFile(string, out string)

Declaration

```
string ReadFile(string filepath, out string debugpath)
```

Parameters

TYPE	NAME	DESCRIPTION
string	filepath	
string	debugpath	

Returns

TYPE	DESCRIPTION
string	

Interface IModuleChecker

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public interface IModuleChecker
```

Methods

IsESM(string)

Declaration

```
bool IsESM(string filepath)
```

Parameters

TYPE	NAME	DESCRIPTION
string	filepath	

Returns

TYPE	DESCRIPTION
bool	

Delegate JSConstructorCallback

Namespace: PuerTsPlugin.[PuerTS_MCS](#).Puerts

Assembly: PuerTS_MCS.dll

Syntax

```
public delegate object JSConstructorCallback(IntPtr isolate, IntPtr info, int argumentsLen)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
int	argumentsLen	

Returns

TYPE	DESCRIPTION
object	

Class JsEnv

Inheritance

object
JsEnv

Implements

IDisposable

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.**PuerTS_MCS.Puerts**

Assembly: PuerTS_MCS.dll

Syntax

```
public class JsEnv : IDisposable
```

Constructors

JsEnv()

Declaration

```
public JsEnv()
```

JsEnv(ILoader, int, IntPtr, IntPtr)

Declaration

```
public JsEnv(ILoader loader, int debugPort, IntPtr externalRuntime, IntPtr externalContext)
```

Parameters

TYPE	NAME	DESCRIPTION
ILoader	loader	
int	debugPort	
IntPtr	externalRuntime	
IntPtr	externalContext	

JsEnv(ILoader, int)

Declaration

```
public JsEnv(ILoader loader, int debugPort = -1)
```

Parameters

TYPE	NAME	DESCRIPTION
ILoader	loader	
int	debugPort	

JsEnv(ILoader, IntPtr, IntPtr)

Declaration

```
public JsEnv(ILoader loader, IntPtr externalRuntime, IntPtr externalContext)
```

Parameters

TYPE	NAME	DESCRIPTION
ILoader	loader	
IntPtr	externalRuntime	
IntPtr	externalContext	

Fields

Backend

Declaration

```
public Backend Backend
```

Field Value

TYPE	DESCRIPTION
Backend	

debugPort

Declaration

```
protected int debugPort
```

Field Value

TYPE	DESCRIPTION
int	

jsEnvs

Declaration

```
public static List<JsEnv> jsEnvs
```

Field Value

TYPE	DESCRIPTION
List< JsEnv >	

Properties

Index

Declaration

```
public int Index { get; }
```

Property Value

TYPE	DESCRIPTION
int	

Methods

AddLazyStaticWrapLoader(Type, Func<TypeRegisterInfo>)

Declaration

```
public void AddLazyStaticWrapLoader(Type type, Func<TypeRegisterInfo> lazyStaticWrapLoader)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	type	
Func< TypeRegisterInfo >	lazyStaticWrapLoader	

AddLazyStaticWrapLoaderGenericDefinition(Type, Type[], Type)

Declaration

```
public void AddLazyStaticWrapLoaderGenericDefinition(Type typeDefinition, Type[] genericArgumentsType, Type wrapperDefinition)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	typeDefinition	
Type[]	genericArgumentsType	
Type	wrapperDefinition	

ClearAllModuleCaches()

Declaration

```
public static void ClearAllModuleCaches()
```

ClearModuleCache()

Declaration

```
public void ClearModuleCache()
```

ClearModuleCache(string)

Declaration

```
public bool ClearModuleCache(string path)
```

Parameters

TYPE	NAME	DESCRIPTION
string	path	

Returns

TYPE	DESCRIPTION
bool	

Dispose()

Declaration

```
public void Dispose()
```

Dispose(bool)

Declaration

```
protected virtual void Dispose(bool dispose)
```

Parameters

TYPE	NAME	DESCRIPTION
bool	dispose	

Eval(string, string)

Declaration

```
public void Eval(string chunk, string chunkName = "chunk")
```

Parameters

TYPE	NAME	DESCRIPTION
string	chunk	
string	chunkName	

Eval<TResult>(string, string)

Declaration

```
public TResult Eval<TResult>(string chunk, string chunkName = "chunk")
```

Parameters

TYPE	NAME	DESCRIPTION
string	chunk	
string	chunkName	

Returns

TYPE	DESCRIPTION
TResult	

Type Parameters

NAME	DESCRIPTION
TResult	

ExecuteModule(string)

Declaration

```
public void ExecuteModule(string filename)
```

Parameters

TYPE	NAME	DESCRIPTION
string	filename	

ExecuteModule<T>(string, string)

Declaration

```
public T ExecuteModule<T>(string filename, string exportee = "")
```

Parameters

TYPE	NAME	DESCRIPTION
string	filename	
string	exportee	

Returns

TYPE	DESCRIPTION
T	

Type Parameters

NAME	DESCRIPTION
T	

~JsEnv()

Declaration

```
protected ~JsEnv()
```

GetTypeId(Type)

Declaration

```
public int GetTypeId(Type type)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	type	

Returns

TYPE	DESCRIPTION
int	

RegisterGeneralGetSet(Type, GeneralGetter, GeneralSetter)

Declaration

```
public void RegisterGeneralGetSet(Type type, GeneralGetter getter, GeneralSetter setter)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	type	
GeneralGetter	getter	
GeneralSetter	setter	

Tick()

Declaration

```
public void Tick()
```

UsingAction<T1>()

Declaration

```
public void UsingAction<T1>()
```

Type Parameters

NAME	DESCRIPTION
T1	

UsingAction<T1, T2>()

Declaration

```
public void UsingAction<T1, T2>()
```

Type Parameters

NAME	DESCRIPTION
T1	
T2	

UsingAction<T1, T2, T3>()

Declaration

```
public void UsingAction<T1, T2, T3>()
```

Type Parameters

NAME	DESCRIPTION
T1	
T2	
T3	

UsingAction<T1, T2, T3, T4>()

Declaration

```
public void UsingAction<T1, T2, T3, T4>()
```

Type Parameters

NAME	DESCRIPTION
T1	
T2	
T3	
T4	

UsingFunc<TResult>()

Declaration

```
public void UsingFunc<TResult>()
```

Type Parameters

NAME	DESCRIPTION
TResult	

UsingFunc<T1, TResult>()

Declaration

```
public void UsingFunc<T1, TResult>()
```

Type Parameters

NAME	DESCRIPTION
T1	
TResult	

UsingFunc<T1, T2, TResult>()

Declaration

```
public void UsingFunc<T1, T2, TResult>()
```

Type Parameters

NAME	DESCRIPTION
T1	
T2	
TResult	

UsingFunc<T1, T2, T3, TResult>()

Declaration

```
public void UsingFunc<T1, T2, T3, TResult>()
```

Type Parameters

NAME	DESCRIPTION
T1	
T2	
T3	
TResult	

UsingFunc<T1, T2, T3, T4, TResult>()

Declaration

```
public void UsingFunc<T1, T2, T3, T4, TResult>()
```

Type Parameters

NAME	DESCRIPTION
T1	
T2	
T3	
T4	
TResult	

WaitDebugger()

Declaration

```
public void WaitDebugger()
```

WaitDebuggerAsync()

Declaration

```
public Task WaitDebuggerAsync()
```

Returns

TYPE	DESCRIPTION
Task	

Implements

System.IDisposable

Delegate JSFunctionCallback

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public delegate void JSFunctionCallback(IntPtr isolate, IntPtr info, IntPtr self, int argumentsLen)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
IntPtr	self	
int	argumentsLen	

Class TypeExtensions

Inheritance

object
TypeExtensions

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts
Assembly: PuerTS_MCS.dll

Syntax

```
public static class TypeExtensions
```

Methods

GetFriendlyName(Type, Type[])

Declaration

```
public static string GetFriendlyName(this Type type, Type[] genericArguments = null)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	type	
Type[]	genericArguments	

Returns

TYPE	DESCRIPTION
string	

Class Utils

Inheritance

object
Utils

Inherited Members

- object.ToString()
- object.Equals(object)
- object.Equals(object, object)
- object.ReferenceEquals(object, object)
- object.GetHashCode()
- object.GetType()
- object.MemberwiseClone()

Namespace: PuerTsPlugin.**PuerTS_MCS.Puerts**
Assembly: PuerTS_MCS.dll

Syntax

```
public static class Utils
```

Methods

GetAllTypes(bool)

Declaration

```
public static List<Type> GetAllTypes(bool exclude_generic_definition = true)
```

Parameters

TYPE	NAME	DESCRIPTION
bool	exclude_generic_definition	

Returns

TYPE	DESCRIPTION
List<Type>	

GetExtensionMethodsOf(Type)

Declaration

```
public static IEnumerable<MethodInfo> GetExtensionMethodsOf(Type type_to_be_extend)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	type_to_be_extend	

Returns

TYPE	DESCRIPTION
IEnumerable<MethodInfo>	

GetMethodAndOverrideMethod(Type, BindingFlags)

Declaration

```
public static MethodInfo[] GetMethodAndOverrideMethod(Type type, BindingFlags flag)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	type	
BindingFlags	flag	

Returns

TYPE	DESCRIPTION
MethodInfo[]	

GetMethodAndOverrideMethodByName(Type, string)

Declaration

```
public static MethodInfo[] GetMethodAndOverrideMethodByName(Type type, string name)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	type	
string	name	

Returns

TYPE	DESCRIPTION
MethodInfo[]	

GetObjectPtr(int, Type, object)

Declaration

```
public static IntPtr GetObjectPtr(int jsEnvIdx, Type type, object obj)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
Type	type	
object	obj	

Returns

TYPE	DESCRIPTION
IntPtr	

GetSelf(int, IntPtr)

Declaration

```
public static object GetSelf(int jsEnvIdx, IntPtr self)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	self	

Returns

TYPE	DESCRIPTION
object	

IsJsValueTypeMatchType(JsValueType, Type, JsValueType, GetValueForCheck, object)

Declaration

```
public static bool IsJsValueTypeMatchType(JsValueType jsType, Type csType, JsValueType csTypeMask,
Utils.GetValueForCheck valueGetter = null, object value = null)
```

Parameters

TYPE	NAME	DESCRIPTION
JsValueType	jsType	
Type	csType	
JsValueType	csTypeMask	
Utils.GetValueForCheck	valueGetter	
object	value	

Returns

TYPE	DESCRIPTION
bool	

IsNotGenericOrValidGeneric(MethodInfo, ParameterInfo[])

Declaration

```
public static bool IsNotGenericOrValidGeneric(MethodInfo method, ParameterInfo[] pinfos = null)
```

Parameters

TYPE	NAME	DESCRIPTION
MethodInfo	method	
ParameterInfo[]	pinfos	

Returns

TYPE	DESCRIPTION
bool	

IsSupportedMethod(MethodInfo)

Declaration

```
public static bool IsSupportedMethod(MethodInfo method)
```

Parameters

TYPE	NAME	DESCRIPTION
MethodInfo	method	

Returns

TYPE	DESCRIPTION
bool	

LongToTwoInt(long, out int, out int)

Declaration

```
public static void LongToTwoInt(long c, out int b, out int a)
```

Parameters

TYPE	NAME	DESCRIPTION
long	c	
int	b	
int	a	

SetSelf(int, IntPtr, object)

Declaration

```
public static void SetSelf(int jsEnvIdx, IntPtr self, object obj)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	

TYPE	NAME	DESCRIPTION
IntPtr	self	
object	obj	

TwoIntToLong(int, int)

Declaration

```
public static long TwoIntToLong(int b, int a)
```

Parameters

TYPE	NAME	DESCRIPTION
int	b	
int	a	

Returns

TYPE	DESCRIPTION
long	

Delegate Utils.GetValueForCheck

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public delegate object Utils.GetValueForCheck()
```

Returns

TYPE	DESCRIPTION
object	

Namespace PuerTsPlugin.PuerTS_MCS.Puerts.JSType

Classes

[Any<T>](#)

[ArrayBuffer](#)

[ByteValue](#)

[CharValue](#)

[DoubleValue](#)

[FloatValue](#)

[GenericDelegate](#)

[Int16Value](#)

[Int32Value](#)

[Int64Value](#)

[JSObject](#)

[SByteValue](#)

[UInt16Value](#)

[UInt32Value](#)

[UInt64Value](#)

Interfaces

[TypedValue](#)

Class Any<T>

Inheritance

- object
- Any<T>
- ByteValue
- CharValue
- DoubleValue
- FloatValue
- Int16Value
- Int32Value
- Int64Value
- SByteValue
- UInt16Value
- UInt32Value
- UInt64Value

Implements

- TypedValue

Inherited Members

- object.ToString()
- object.Equals(object)
- object.Equals(object, object)
- object.ReferenceEquals(object, object)
- object.GetHashCode()
- object.GetType()
- object.MemberwiseClone()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.JSType

Assembly: PuerTS_MCS.dll

Syntax

```
public class Any<T> : TypedValue
```

Type Parameters

NAME	DESCRIPTION
T	

Constructors

Any(T)

Declaration

```
public Any(T i)
```

Parameters

TYPE	NAME	DESCRIPTION
T	i	

Properties

Target

Declaration

```
public object Target { get; }
```

Property Value

TYPE	DESCRIPTION
object	

Implements

[TypedValue](#)

Class ArrayBuffer

Inheritance

object
ArrayBuffer

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.JSType

Assembly: PuerTS_MCS.dll

Syntax

```
public class ArrayBuffer
```

Constructors

ArrayBuffer(byte[], int)

Declaration

```
public ArrayBuffer(byte[] bytes, int count)
```

Parameters

TYPE	NAME	DESCRIPTION
byte[]	bytes	
int	count	

ArrayBuffer(byte[])

Declaration

```
public ArrayBuffer(byte[] bytes)
```

Parameters

TYPE	NAME	DESCRIPTION
byte[]	bytes	

ArrayBuffer(IntPtr, int, int)

Declaration

```
public ArrayBuffer(IntPtr ptr, int length, int notuse)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	ptr	
int	length	
int	notuse	

ArrayBuffer(IntPtr, int)

Declaration

```
public ArrayBuffer(IntPtr ptr, int length)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	ptr	
int	length	

Fields

Bytes

Declaration

```
public byte[] Bytes
```

Field Value

TYPE	DESCRIPTION
byte[]	

Count

Declaration

```
public int Count
```

Field Value

TYPE	DESCRIPTION
int	

Class ByteValue

Inheritance

object
[Any<byte>](#)
ByteValue

Implements

[TypedValue](#)

Inherited Members

[Any<byte>.Target](#)
object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.JSType](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class ByteValue : Any<byte>, TypedValue
```

Constructors

ByteValue(byte)

Declaration

```
public ByteValue(byte i)
```

Parameters

TYPE	NAME	DESCRIPTION
byte	i	

Implements

[TypedValue](#)

Class CharValue

Inheritance

object
[Any<char>](#)
CharValue

Implements

[TypedValue](#)

Inherited Members

[Any<char>.Target](#)
object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.JSType](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class CharValue : Any<char>, TypedValue
```

Constructors

CharValue(char)

Declaration

```
public CharValue(char i)
```

Parameters

TYPE	NAME	DESCRIPTION
char	i	

Implements

[TypedValue](#)

Class DoubleValue

Inheritance

object
[Any<double>](#)
DoubleValue

Implements

[TypedValue](#)

Inherited Members

[Any<double>.Target](#)
object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.JSType](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class DoubleValue : Any<double>, TypedValue
```

Constructors

DoubleValue(double)

Declaration

```
public DoubleValue(double i)
```

Parameters

TYPE	NAME	DESCRIPTION
double	i	

Implements

[TypedValue](#)

Class FloatValue

Inheritance

object
[Any<float>](#)
FloatValue

Implements

[TypedValue](#)

Inherited Members

[Any<float>.Target](#)
object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.JSType](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class FloatValue : Any<float>, TypedValue
```

Constructors

FloatValue(float)

Declaration

```
public FloatValue(float i)
```

Parameters

TYPE	NAME	DESCRIPTION
float	i	

Implements

[TypedValue](#)

Class GenericDelegate

Inheritance

object
GenericDelegate

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.**PuerTS_MCS.Puerts.JSType**
Assembly: PuerTS_MCS.dll

Syntax

```
public class GenericDelegate
```

Methods

Action()

Declaration

```
public void Action()
```

Action<T1>(T1)

Declaration

```
public void Action<T1>(T1 p1)
```

Parameters

TYPE	NAME	DESCRIPTION
T1	p1	

Type Parameters

NAME	DESCRIPTION
T1	

Action<T1, T2>(T1, T2)

Declaration

```
public void Action<T1, T2>(T1 p1, T2 p2)
```

Parameters

TYPE	NAME	DESCRIPTION
T1	p1	

TYPE	NAME	DESCRIPTION
T2	p2	

Type Parameters

NAME	DESCRIPTION
T1	
T2	

Action<T1, T2, T3>(T1, T2, T3)

Declaration

```
public void Action<T1, T2, T3>(T1 p1, T2 p2, T3 p3)
```

Parameters

TYPE	NAME	DESCRIPTION
T1	p1	
T2	p2	
T3	p3	

Type Parameters

NAME	DESCRIPTION
T1	
T2	
T3	

Action<T1, T2, T3, T4>(T1, T2, T3, T4)

Declaration

```
public void Action<T1, T2, T3, T4>(T1 p1, T2 p2, T3 p3, T4 p4)
```

Parameters

TYPE	NAME	DESCRIPTION
T1	p1	
T2	p2	
T3	p3	
T4	p4	

Type Parameters

NAME	DESCRIPTION
T1	
T2	
T3	
T4	

AddDelegate(Type, Delegate)

Declaration

```
public void AddDelegate(Type key, Delegate value)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	key	
Delegate	value	

~GenericDelegate()

Declaration

```
protected ~GenericDelegate()
```

Func<TResult>()

Declaration

```
public TResult Func<TResult>()
```

Returns

TYPE	DESCRIPTION
TResult	

Type Parameters

NAME	DESCRIPTION
TResult	

Func<T1, TResult>(T1)

Declaration

```
public TResult Func<T1, TResult>(T1 p1)
```

Parameters

TYPE	NAME	DESCRIPTION
T1	p1	

Returns

TYPE	DESCRIPTION
TResult	

Type Parameters

NAME	DESCRIPTION
T1	
TResult	

Func<T1, T2, TResult>(T1, T2)

Declaration

```
public TResult Func<T1, T2, TResult>(T1 p1, T2 p2)
```

Parameters

TYPE	NAME	DESCRIPTION
T1	p1	
T2	p2	

Returns

TYPE	DESCRIPTION
TResult	

Type Parameters

NAME	DESCRIPTION
T1	
T2	
TResult	

Func<T1, T2, T3, TResult>(T1, T2, T3)

Declaration

```
public TResult Func<T1, T2, T3, TResult>(T1 p1, T2 p2, T3 p3)
```

Parameters

TYPE	NAME	DESCRIPTION
T1	p1	
T2	p2	

TYPE	NAME	DESCRIPTION
T3	p3	

Returns

TYPE	DESCRIPTION
TResult	

Type Parameters

NAME	DESCRIPTION
T1	
T2	
T3	
TResult	

Func<T1, T2, T3, T4, TResult>(T1, T2, T3, T4)

Declaration

```
public TResult Func<T1, T2, T3, T4, TResult>(T1 p1, T2 p2, T3 p3, T4 p4)
```

Parameters

TYPE	NAME	DESCRIPTION
T1	p1	
T2	p2	
T3	p3	
T4	p4	

Returns

TYPE	DESCRIPTION
TResult	

Type Parameters

NAME	DESCRIPTION
T1	
T2	
T3	

NAME	DESCRIPTION
T4	
TResult	

TryGetDelegate(Type, out Delegate)

Declaration

```
public bool TryGetDelegate(Type key, out Delegate value)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	key	
Delegate	value	

Returns

TYPE	DESCRIPTION
bool	

Class Int16Value

Inheritance

object
[Any<short>](#)
Int16Value

Implements

[TypedValue](#)

Inherited Members

[Any<short>.Target](#)
object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.JSType](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class Int16Value : Any<short>, TypedValue
```

Constructors

Int16Value(short)

Declaration

```
public Int16Value(short i)
```

Parameters

TYPE	NAME	DESCRIPTION
short	i	

Implements

[TypedValue](#)

Class Int32Value

Inheritance

object
[Any<int>](#)
Int32Value

Implements

[TypedValue](#)

Inherited Members

[Any<int>.Target](#)
object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.JSType](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class Int32Value : Any<int>, TypedValue
```

Constructors

Int32Value(int)

Declaration

```
public Int32Value(int i)
```

Parameters

TYPE	NAME	DESCRIPTION
int	i	

Implements

[TypedValue](#)

Class Int64Value

Inheritance

object
[Any<long>](#)
Int64Value

Implements

[TypedValue](#)

Inherited Members

[Any<long>.Target](#)
object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.JSType](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class Int64Value : Any<long>, TypedValue
```

Constructors

Int64Value(long)

Declaration

```
public Int64Value(long i)
```

Parameters

TYPE	NAME	DESCRIPTION
long	i	

Int64Value(string)

Declaration

```
public Int64Value(string str)
```

Parameters

TYPE	NAME	DESCRIPTION
string	str	

Implements

[TypedValue](#)

Class JObject

Inheritance

object
JObject

Inherited Members

- object.ToString()
- object.Equals(object)
- object.Equals(object, object)
- object.ReferenceEquals(object, object)
- object.GetHashCode()
- object.GetType()
- object.MemberwiseClone()

Namespace: PuerTsPlugin.**PuerTS_MCS.Puerts.JSType**
Assembly: PuerTS_MCS.dll

Syntax

```
public class JObject
```

Methods

~JObject()

Declaration

```
protected ~JObject()
```

getJsObjPtr()

Declaration

```
public IntPtr getJsObjPtr()
```

Returns

TYPE	DESCRIPTION
IntPtr	

Class SByteValue

Inheritance

object
[Any<sbyte>](#)
SByteValue

Implements

[TypedValue](#)

Inherited Members

[Any<sbyte>.Target](#)
object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.JSType](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class SByteValue : Any<sbyte>, TypedValue
```

Constructors

SByteValue(sbyte)

Declaration

```
public SByteValue(sbyte i)
```

Parameters

TYPE	NAME	DESCRIPTION
sbyte	i	

Implements

[TypedValue](#)

Interface TypedValue

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.JSType](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public interface TypedValue
```

Properties

Target

Declaration

```
object Target { get; }
```

Property Value

TYPE	DESCRIPTION
object	

Class UInt16Value

Inheritance

object
[Any<ushort>](#)
UInt16Value

Implements

[TypedValue](#)

Inherited Members

[Any<ushort>.Target](#)
object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.JSType](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class UInt16Value : Any<ushort>, TypedValue
```

Constructors

UInt16Value(ushort)

Declaration

```
public UInt16Value(ushort i)
```

Parameters

TYPE	NAME	DESCRIPTION
ushort	i	

Implements

[TypedValue](#)

Class UInt32Value

Inheritance

object
[Any<uint>](#)
UInt32Value

Implements

[TypedValue](#)

Inherited Members

[Any<uint>.Target](#)
object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.JSType](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class UInt32Value : Any<uint>, TypedValue
```

Constructors

UInt32Value(uint)

Declaration

```
public UInt32Value(uint i)
```

Parameters

TYPE	NAME	DESCRIPTION
uint	i	

Implements

[TypedValue](#)

Class UInt64Value

Inheritance

object
[Any<ulong>](#)
UInt64Value

Implements

[TypedValue](#)

Inherited Members

[Any<ulong>.Target](#)
object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.JSType](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class UInt64Value : Any<ulong>, TypedValue
```

Constructors

UInt64Value(string)

Declaration

```
public UInt64Value(string str)
```

Parameters

TYPE	NAME	DESCRIPTION
string	str	

UInt64Value(ulong)

Declaration

```
public UInt64Value(ulong i)
```

Parameters

TYPE	NAME	DESCRIPTION
ulong	i	

Implements

[TypedValue](#)

Namespace PuerTsPlugin.PuerTS_MCS.Puerts.Native

Classes

[Backend](#)

[BackendNodeJS](#)

[BackendQuickJS](#)

[BackendV8](#)

[MonoPInvokeCallbackAttribute](#)

[PuertsDLL](#)

Enums

[JsValueType](#)

Delegates

[LogCallback](#)

[ModuleResolveCallback](#)

[V8ConstructorCallback](#)

[V8DestructorCallback](#)

[V8FunctionCallback](#)

Class Backend

Inheritance

- object
- Backend
- [BackendQuickJS](#)
- [BackendV8](#)

Inherited Members

- object.ToString()
- object.Equals(object)
- object.Equals(object, object)
- object.ReferenceEquals(object, object)
- object.GetHashCode()
- object.GetType()
- object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Native](#)
Assembly: PuerTS_MCS.dll

Syntax

```
public class Backend
```

Constructors

Backend(JsEnv)

Declaration

```
public Backend(JsEnv env)
```

Parameters

TYPE	NAME	DESCRIPTION
JsEnv	env	

Fields

env

Declaration

```
protected JsEnv env
```

Field Value

TYPE	DESCRIPTION
JsEnv	

Class BackendNodeJS

Inheritance

object
Backend
BackendV8
BackendNodeJS

Inherited Members

BackendV8.IdleNotificationDeadline(double)
BackendV8.LowMemoryNotification()
BackendV8.RequestMinorGarbageCollectionForTesting()
BackendV8.RequestFullGarbageCollectionForTesting()
Backend.env
object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.Native
Assembly: PuerTS_MCS.dll

Syntax

```
public class BackendNodeJS : BackendV8
```

Constructors

BackendNodeJS(JsEnv)

Declaration

```
public BackendNodeJS(JsEnv env)
```

Parameters

TYPE	NAME	DESCRIPTION
JsEnv	env	

Class BackendQuickJS

Inheritance

object

[Backend](#)

BackendQuickJS

Inherited Members

[Backend.env](#)

object.ToString()

object.Equals(object)

object.Equals(object, object)

object.ReferenceEquals(object, object)

object.GetHashCode()

object.GetType()

object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Native](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class BackendQuickJS : Backend
```

Constructors

BackendQuickJS(JsEnv)

Declaration

```
public BackendQuickJS(JsEnv env)
```

Parameters

TYPE	NAME	DESCRIPTION
JsEnv	env	

Methods

LowMemoryNotification()

Declaration

```
public void LowMemoryNotification()
```

Class BackendV8

Inheritance

object

[Backend](#)

BackendV8

[BackendNodeJS](#)

Inherited Members

[Backend.env](#)

object.ToString()

object.Equals(object)

object.Equals(object, object)

object.ReferenceEquals(object, object)

object.GetHashCode()

object.GetType()

object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Native](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class BackendV8 : Backend
```

Constructors

BackendV8(JsEnv)

Declaration

```
public BackendV8(JsEnv env)
```

Parameters

TYPE	NAME	DESCRIPTION
JsEnv	env	

Methods

IdleNotificationDeadline(double)

Declaration

```
public bool IdleNotificationDeadline(double DeadlineInSeconds)
```

Parameters

TYPE	NAME	DESCRIPTION
double	DeadlineInSeconds	

Returns

TYPE	DESCRIPTION
bool	

LowMemoryNotification()

Declaration

```
public void LowMemoryNotification()
```

RequestFullGarbageCollectionForTesting()

Declaration

```
public void RequestFullGarbageCollectionForTesting()
```

RequestMinorGarbageCollectionForTesting()

Declaration

```
public void RequestMinorGarbageCollectionForTesting()
```

Enum JsValueType

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Native](#)

Assembly: PuerTS_MCS.dll

Syntax

```
[Flags]  
public enum JsValueType
```

Fields

NAME	DESCRIPTION
Any	
Array	
ArrayBuffer	
BigInt	
Boolean	
Date	
Function	
Invalid	
JsonObject	
NativeObject	
NullOrUndefined	
Number	
String	
Unknow	

Delegate LogCallback

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Native](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public delegate void LogCallback(string content)
```

Parameters

TYPE	NAME	DESCRIPTION
string	content	

Delegate ModuleResolveCallback

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Native](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public delegate string ModuleResolveCallback(string identifier, int jsEnvIdx, out string pathForDebug)
```

Parameters

TYPE	NAME	DESCRIPTION
string	identifier	
int	jsEnvIdx	
string	pathForDebug	

Returns

TYPE	DESCRIPTION
string	

Class MonoPInvokeCallbackAttribute

Inheritance

object
Attribute
MonoPInvokeCallbackAttribute

Implements

_Attribute

Inherited Members

Attribute.GetCustomAttributes(MemberInfo, Type)
Attribute.GetCustomAttributes(MemberInfo, Type, bool)
Attribute.GetCustomAttributes(MemberInfo)
Attribute.GetCustomAttributes(MemberInfo, bool)
Attribute.IsDefined(MemberInfo, Type)
Attribute.IsDefined(MemberInfo, Type, bool)
Attribute.GetCustomAttribute(MemberInfo, Type)
Attribute.GetCustomAttribute(MemberInfo, Type, bool)
Attribute.GetCustomAttributes(ParameterInfo)
Attribute.GetCustomAttributes(ParameterInfo, Type)
Attribute.GetCustomAttributes(ParameterInfo, Type, bool)
Attribute.GetCustomAttributes(ParameterInfo, bool)
Attribute.IsDefined(ParameterInfo, Type)
Attribute.IsDefined(ParameterInfo, Type, bool)
Attribute.GetCustomAttribute(ParameterInfo, Type)
Attribute.GetCustomAttribute(ParameterInfo, Type, bool)
Attribute.GetCustomAttributes(Module, Type)
Attribute.GetCustomAttributes(Module)
Attribute.GetCustomAttributes(Module, bool)
Attribute.GetCustomAttributes(Module, Type, bool)
Attribute.IsDefined(Module, Type)
Attribute.IsDefined(Module, Type, bool)
Attribute.GetCustomAttribute(Module, Type)
Attribute.GetCustomAttribute(Module, Type, bool)
Attribute.GetCustomAttributes(Assembly, Type)
Attribute.GetCustomAttributes(Assembly, Type, bool)
Attribute.GetCustomAttributes(Assembly)
Attribute.GetCustomAttributes(Assembly, bool)
Attribute.IsDefined(Assembly, Type)
Attribute.IsDefined(Assembly, Type, bool)
Attribute.GetCustomAttribute(Assembly, Type)
Attribute.GetCustomAttribute(Assembly, Type, bool)
Attribute.Equals(object)
Attribute.GetHashCode()
Attribute.Match(object)
Attribute.IsDefaultAttribute()
Attribute.TypeId
object.ToString()
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Native](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class MonoPInvokeCallbackAttribute : Attribute, _Attribute
```

Constructors

MonoPInvokeCallbackAttribute(Type)

Declaration

```
public MonoPInvokeCallbackAttribute(Type t)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	t	

Implements

System.Runtime.InteropServices._Attribute

Class PuertsDLL

Inheritance

object
PuertsDLL

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.**PuerTS_MCS.Puerts.Native**
Assembly: PuerTS_MCS.dll

Syntax

```
public class PuertsDLL
```

Methods

__PushStringForJSFunction(IntPtr, string)

Declaration

```
public static extern void __PushStringForJSFunction(IntPtr function, string str)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	function	
string	str	

__ReturnString(IntPtr, IntPtr, string)

Declaration

```
public static extern void __ReturnString(IntPtr isolate, IntPtr info, string str)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
string	str	

__SetStringToOutValue(IntPtr, IntPtr, string)

Declaration

```
protected static extern void __SetStringToOutValue(IntPtr isolate, IntPtr value, string str)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
string	str	

_GetApiLevel()

Declaration

```
protected static extern int _GetApiLevel()
```

Returns

TYPE	DESCRIPTION
int	

_RegisterClass(IntPtr, int, string, IntPtr, IntPtr, long)

Declaration

```
public static extern int _RegisterClass(IntPtr isolate, int BaseTypeId, string fullName, IntPtr constructor, IntPtr destructor, long data)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
int	BaseTypeId	
string	fullName	
IntPtr	constructor	
IntPtr	destructor	
long	data	

Returns

TYPE	DESCRIPTION
int	

ClearModuleCache(IntPtr, string)

Declaration

```
public static extern bool ClearModuleCache(IntPtr isolate, string path)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
string	path	

Returns

TYPE	DESCRIPTION
bool	

CreateInspector(IntPtr, int)

Declaration

```
public static extern void CreateInspector(IntPtr isolate, int port)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
int	port	

CreateJSEngine()

Declaration

```
public static extern IntPtr CreateJSEngine()
```

Returns

TYPE	DESCRIPTION
IntPtr	

CreateJSEngineWithExternalEnv(IntPtr, IntPtr)

Declaration

```
public static extern IntPtr CreateJSEngineWithExternalEnv(IntPtr externalRuntime, IntPtr externalContext)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	externalRuntime	
IntPtr	externalContext	

Returns

TYPE	DESCRIPTION
IntPtr	

DestroyInspector(IntPtr)

Declaration

```
public static extern void DestroyInspector(IntPtr isolate)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	

DestroyJSEngine(IntPtr)

Declaration

```
public static extern void DestroyJSEngine(IntPtr isolate)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	

Eval(IntPtr, string, string)

Declaration

```
public static extern IntPtr Eval(IntPtr isolate, string code, string path)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
string	code	
string	path	

Returns

TYPE	DESCRIPTION
IntPtr	

EvalChecked(IntPtr, string, string)

Declaration

```
public static IntPtr EvalChecked(IntPtr isolate, string code, string path)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
string	code	
string	path	

Returns

TYPE	DESCRIPTION
IntPtr	

ExecuteModule(IntPtr, string, string)

Declaration

```
public static extern IntPtr ExecuteModule(IntPtr isolate, string path, string exportee)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
string	path	
string	exportee	

Returns

TYPE	DESCRIPTION
IntPtr	

GetApiLevel()

Declaration

```
public static int GetApiLevel()
```

Returns

TYPE	DESCRIPTION
int	

GetArgumentType(IntPtr, IntPtr, int, bool)

Declaration

```
public static extern JsValueType GetArgumentType(IntPtr isolate, IntPtr info, int index, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
int	index	
bool	isByRef	

Returns

TYPE	DESCRIPTION
JsValueType	

GetArgumentValue(IntPtr, int)

Declaration

```
public static extern IntPtr GetArgumentValue(IntPtr info, int index)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	info	
int	index	

Returns

TYPE	DESCRIPTION
IntPtr	

GetArrayBufferFromResult(IntPtr, out int)

Declaration

```
public static extern IntPtr GetArrayBufferFromResult(IntPtr function, out int length)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	function	
int	length	

Returns

TYPE	DESCRIPTION
IntPtr	

GetArrayBufferFromValue(IntPtr, IntPtr, out int, bool)

Declaration

```
public static extern IntPtr GetArrayBufferFromValue(IntPtr isolate, IntPtr value, out int length, bool isOut)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	

TYPE	NAME	DESCRIPTION
int	length	
bool	isOut	

Returns

TYPE	DESCRIPTION
IntPtr	

GetBigIntFromResult(IntPtr)

Declaration

```
public static extern long GetBigIntFromResult(IntPtr resultInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	resultInfo	

Returns

TYPE	DESCRIPTION
long	

GetBigIntFromResultCheck(IntPtr)

Declaration

```
public static long GetBigIntFromResultCheck(IntPtr resultInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	resultInfo	

Returns

TYPE	DESCRIPTION
long	

GetBigIntFromValue(IntPtr, IntPtr, bool)

Declaration

```
public static extern long GetBigIntFromValue(IntPtr isolate, IntPtr value, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	

TYPE	NAME	DESCRIPTION
IntPtr	value	
bool	isByRef	

Returns

TYPE	DESCRIPTION
long	

GetBigIntFromValueChecked(IntPtr, IntPtr, bool)

Declaration

```
public static long GetBigIntFromValueChecked(IntPtr isolate, IntPtr value, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
bool	isByRef	

Returns

TYPE	DESCRIPTION
long	

GetBooleanFromResult(IntPtr)

Declaration

```
public static extern bool GetBooleanFromResult(IntPtr resultInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	resultInfo	

Returns

TYPE	DESCRIPTION
bool	

GetBooleanFromValue(IntPtr, IntPtr, bool)

Declaration

```
public static extern bool GetBooleanFromValue(IntPtr isolate, IntPtr value, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
bool	isByRef	

Returns

TYPE	DESCRIPTION
bool	

GetDateFromResult(IntPtr)

Declaration

```
public static extern double GetDateFromResult(IntPtr resultInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	resultInfo	

Returns

TYPE	DESCRIPTION
double	

GetDateFromValue(IntPtr, IntPtr, bool)

Declaration

```
public static extern double GetDateFromValue(IntPtr isolate, IntPtr value, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
bool	isByRef	

Returns

TYPE	DESCRIPTION
double	

GetFunctionFromResult(IntPtr)

Declaration

```
public static extern IntPtr GetFunctionFromResult(IntPtr resultInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	resultInfo	

Returns

TYPE	DESCRIPTION
IntPtr	

GetFunctionFromValue(IntPtr, IntPtr, bool)

Declaration

```
public static extern IntPtr GetFunctionFromValue(IntPtr isolate, IntPtr value, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
bool	isByRef	

Returns

TYPE	DESCRIPTION
IntPtr	

GetFunctionLastExceptionInfo(IntPtr, out int)

Declaration

```
public static extern IntPtr GetFunctionLastExceptionInfo(IntPtr function, out int len)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	function	
int	len	

Returns

TYPE	DESCRIPTION
IntPtr	

GetFunctionLastExceptionInfo(IntPtr)

Declaration

```
public static string GetFunctionLastExceptionInfo(IntPtr function)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	function	

Returns

TYPE	DESCRIPTION
string	

GetJSObjectFromResult(IntPtr)

Declaration

```
public static extern IntPtr GetJSObjectFromResult(IntPtr resultInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	resultInfo	

Returns

TYPE	DESCRIPTION
IntPtr	

GetJSObjectFromValue(IntPtr, IntPtr, bool)

Declaration

```
public static extern IntPtr GetJSObjectFromValue(IntPtr isolate, IntPtr value, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
bool	isByRef	

Returns

TYPE	DESCRIPTION
IntPtr	

GetJsValueType(IntPtr, IntPtr, bool)

Declaration

```
public static extern JsValueType GetJsValueType(IntPtr isolate, IntPtr value, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
bool	isByRef	

Returns

TYPE	DESCRIPTION
JsValueType	

GetLastExceptionInfo(IntPtr, out int)

Declaration

```
public static extern IntPtr GetLastExceptionInfo(IntPtr isolate, out int strlen)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
int	strlen	

Returns

TYPE	DESCRIPTION
IntPtr	

GetLastExceptionInfo(IntPtr)

Declaration

```
public static string GetLastExceptionInfo(IntPtr isolate)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	

Returns

TYPE	DESCRIPTION
string	

GetLibBackend()

Declaration

```
public static extern int GetLibBackend()
```

Returns

TYPE	DESCRIPTION
int	

GetLibVersion()

Declaration

```
public static extern int GetLibVersion()
```

Returns

TYPE	DESCRIPTION
int	

GetNumberFromResult(IntPtr)

Declaration

```
public static extern double GetNumberFromResult(IntPtr resultInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	resultInfo	

Returns

TYPE	DESCRIPTION
double	

GetNumberFromValue(IntPtr, IntPtr, bool)

Declaration

```
public static extern double GetNumberFromValue(IntPtr isolate, IntPtr value, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
bool	isByRef	

Returns

TYPE	DESCRIPTION
double	

GetObjectFromResult(IntPtr)

Declaration


```
public static extern IntPtr GetObjectFromResult(IntPtr resultInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	resultInfo	

Returns

TYPE	DESCRIPTION
IntPtr	

GetObjectFromValue(IntPtr, IntPtr, bool)

Declaration

```
public static extern IntPtr GetObjectFromValue(IntPtr isolate, IntPtr value, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
bool	isByRef	

Returns

TYPE	DESCRIPTION
IntPtr	

GetResultType(IntPtr)

Declaration

```
public static extern JsValueType GetResultType(IntPtr resultInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	resultInfo	

Returns

TYPE	DESCRIPTION
JsValueType	

GetStringFromResult(IntPtr, out int)

Declaration

```
public static extern IntPtr GetStringFromResult(IntPtr resultInfo, out int len)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	resultInfo	
int	len	

Returns

TYPE	DESCRIPTION
IntPtr	

GetStringFromResult(IntPtr)

Declaration

```
public static string GetStringFromResult(IntPtr resultInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	resultInfo	

Returns

TYPE	DESCRIPTION
string	

GetStringFromValue(IntPtr, IntPtr, bool)

Declaration

```
public static string GetStringFromValue(IntPtr isolate, IntPtr value, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
bool	isByRef	

Returns

TYPE	DESCRIPTION
string	

GetStringFromValue(IntPtr, IntPtr, out int, bool)

Declaration

```
public static extern IntPtr GetStringFromValue(IntPtr isolate, IntPtr value, out int len, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
int	len	
bool	isByRef	

Returns

TYPE	DESCRIPTION
IntPtr	

GetTypeIdFromResult(IntPtr)

Declaration

```
public static extern int GetTypeIdFromResult(IntPtr resultInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	resultInfo	

Returns

TYPE	DESCRIPTION
int	

GetTypeIdFromValue(IntPtr, IntPtr, bool)

Declaration

```
public static extern int GetTypeIdFromValue(IntPtr isolate, IntPtr value, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
bool	isByRef	

Returns

TYPE	DESCRIPTION
int	

IdleNotificationDeadline(IntPtr, double)

Declaration

```
public static extern bool IdleNotificationDeadline(IntPtr isolate, double DeadlineInSeconds)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
double	DeadlineInSeconds	

Returns

TYPE	DESCRIPTION
bool	

InspectorTick(IntPtr)

Declaration

```
public static extern bool InspectorTick(IntPtr isolate)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	

Returns

TYPE	DESCRIPTION
bool	

InvokeJSFunction(IntPtr, bool)

Declaration

```
public static extern IntPtr InvokeJSFunction(IntPtr function, bool hasResult)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	function	
bool	hasResult	

Returns

TYPE	DESCRIPTION
IntPtr	

LogicTick(IntPtr)

Declaration

```
public static extern void LogicTick(IntPtr isolate)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	

LowMemoryNotification(IntPtr)

Declaration

```
public static extern void LowMemoryNotification(IntPtr isolate)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	

PushArrayBufferForJSFunction(IntPtr, byte[], int)

Declaration

```
public static extern void PushArrayBufferForJSFunction(IntPtr function, byte[] bytes, int length)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	function	
byte[]	bytes	
int	length	

PushBigIntForJSFunction(IntPtr, long)

Declaration

```
public static extern void PushBigIntForJSFunction(IntPtr function, long l)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	function	
long	l	

PushBooleanForJSFunction(IntPtr, bool)

Declaration

```
public static extern void PushBooleanForJSFunction(IntPtr function, bool b)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	function	
bool	b	

PushDateForJSFunction(IntPtr, double)

Declaration

```
public static extern void PushDateForJSFunction(IntPtr function, double dateValue)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	function	
double	dateValue	

PushJSFunctionForJSFunction(IntPtr, IntPtr)

Declaration

```
public static extern void PushJSFunctionForJSFunction(IntPtr function, IntPtr JSFunction)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	function	
IntPtr	JSFunction	

PushJSObjectForJSFunction(IntPtr, IntPtr)

Declaration

```
public static extern void PushJSObjectForJSFunction(IntPtr function, IntPtr JSObject)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	function	
IntPtr	JSObject	

PushNullForJSFunction(IntPtr)

Declaration

```
public static extern void PushNullForJSFunction(IntPtr function)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	function	

PushNumberForJSFunction(IntPtr, double)

Declaration

```
public static extern void PushNumberForJSFunction(IntPtr function, double d)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	function	
double	d	

PushObjectForJSFunction(IntPtr, int, IntPtr)

Declaration

```
public static extern void PushObjectForJSFunction(IntPtr function, int classId, IntPtr objectId)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	function	
int	classId	
IntPtr	objectId	

PushStringForJSFunction(IntPtr, string)

Declaration

```
public static void PushStringForJSFunction(IntPtr function, string str)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	function	
string	str	

RegisterClass(IntPtr, int, string, V8ConstructorCallback, V8DestructorCallback, long)

Declaration

```
public static int RegisterClass(IntPtr isolate, int BaseTypeId, string fullName, V8ConstructorCallback constructor, V8DestructorCallback destructor, long data)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
int	BaseTypeId	

TYPE	NAME	DESCRIPTION
string	fullName	
V8ConstructorCallback	constructor	
V8DestructorCallback	destructor	
long	data	

Returns

TYPE	DESCRIPTION
int	

RegisterFunction(IntPtr, int, string, bool, V8FunctionCallback, long)

Declaration

```
public static bool RegisterFunction(IntPtr isolate, int classID, string name, bool isStatic,
V8FunctionCallback callback, long data)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
int	classID	
string	name	
bool	isStatic	
V8FunctionCallback	callback	
long	data	

Returns

TYPE	DESCRIPTION
bool	

RegisterFunction(IntPtr, int, string, bool, IntPtr, long)

Declaration

```
public static extern bool RegisterFunction(IntPtr isolate, int classID, string name, bool isStatic, IntPtr
callback, long data)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	

TYPE	NAME	DESCRIPTION
int	classID	
string	name	
bool	isStatic	
IntPtr	callback	
long	data	

Returns

TYPE	DESCRIPTION
bool	

RegisterProperty(IntPtr, int, string, bool, V8FunctionCallback, long, V8FunctionCallback, long, bool)

Declaration

```
public static bool RegisterProperty(IntPtr isolate, int classID, string name, bool isStatic,
V8FunctionCallback getter, long getterData, V8FunctionCallback setter, long setterData, bool dontDelete)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
int	classID	
string	name	
bool	isStatic	
V8FunctionCallback	getter	
long	getterData	
V8FunctionCallback	setter	
long	setterData	
bool	dontDelete	

Returns

TYPE	DESCRIPTION
bool	

RegisterProperty(IntPtr, int, string, bool, IntPtr, long, IntPtr, long, bool)

Declaration

```
public static extern bool RegisterProperty(IntPtr isolate, int classID, string name, bool isStatic, IntPtr
getter, long getterData, IntPtr setter, long setterData, bool dontDelete)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
int	classID	
string	name	
bool	isStatic	
IntPtr	getter	
long	getterData	
IntPtr	setter	
long	setterData	
bool	dontDelete	

Returns

TYPE	DESCRIPTION
bool	

RegisterStruct(IntPtr, int, string, V8ConstructorCallback, V8DestructorCallback, long, int)

Declaration

```
public static int RegisterStruct(IntPtr isolate, int BaseTypeId, string fullName, V8ConstructorCallback
constructor, V8DestructorCallback destructor, long data, int size)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
int	BaseTypeId	
string	fullName	
V8ConstructorCallback	constructor	
V8DestructorCallback	destructor	
long	data	
int	size	

Returns

TYPE	DESCRIPTION
int	

RegisterStruct(IntPtr, int, string, IntPtr, IntPtr, long, int)

Declaration

```
public static extern int RegisterStruct(IntPtr isolate, int BaseTypeId, string fullName, IntPtr constructor, IntPtr destructor, long data, int size)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
int	BaseTypeId	
string	fullName	
IntPtr	constructor	
IntPtr	destructor	
long	data	
int	size	

Returns

TYPE	DESCRIPTION
int	

ReleaseJSFunction(IntPtr, IntPtr)

Declaration

```
public static extern void ReleaseJSFunction(IntPtr isolate, IntPtr function)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	function	

ReleaseJSObject(IntPtr, IntPtr)

Declaration

```
public static extern void ReleaseJSObject(IntPtr isolate, IntPtr obj)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	obj	

RequestFullGarbageCollectionForTesting(IntPtr)

Declaration

```
public static extern void RequestFullGarbageCollectionForTesting(IntPtr isolate)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	

RequestMinorGarbageCollectionForTesting(IntPtr)

Declaration

```
public static extern void RequestMinorGarbageCollectionForTesting(IntPtr isolate)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	

ResetResult(IntPtr)

Declaration

```
public static extern void ResetResult(IntPtr resultInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	resultInfo	

ResultIsBigInt(IntPtr)

Declaration

```
public static extern bool ResultIsBigInt(IntPtr resultInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	resultInfo	

Returns

TYPE	DESCRIPTION
bool	

ReturnArrayBuffer(IntPtr, IntPtr, byte[], int)

Declaration

```
public static extern void ReturnArrayBuffer(IntPtr isolate, IntPtr info, byte[] bytes, int Length)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
byte[]	bytes	
int	Length	

ReturnBigInt(IntPtr, IntPtr, long)

Declaration

```
public static extern void ReturnBigInt(IntPtr isolate, IntPtr info, long number)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
long	number	

ReturnBoolean(IntPtr, IntPtr, bool)

Declaration

```
public static extern void ReturnBoolean(IntPtr isolate, IntPtr info, bool b)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
bool	b	

ReturnClass(IntPtr, IntPtr, int)

Declaration

```
public static extern void ReturnClass(IntPtr isolate, IntPtr info, int classID)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
int	classID	

ReturnCSharpFunctionCallback(IntPtr, IntPtr, V8FunctionCallback, long)

Declaration

```
public static void ReturnCSharpFunctionCallback(IntPtr isolate, IntPtr info, V8FunctionCallback v8FunctionCallback, long data)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
V8FunctionCallback	v8FunctionCallback	
long	data	

ReturnDate(IntPtr, IntPtr, double)

Declaration

```
public static extern void ReturnDate(IntPtr isolate, IntPtr info, double date)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
double	date	

ReturnFunction(IntPtr, IntPtr, IntPtr)

Declaration

```
public static extern void ReturnFunction(IntPtr isolate, IntPtr info, IntPtr JSFunction)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	

TYPE	NAME	DESCRIPTION
IntPtr	JSFunction	

ReturnJSObject(IntPtr, IntPtr, IntPtr)

Declaration

```
public static extern void ReturnJSObject(IntPtr isolate, IntPtr info, IntPtr JSObject)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
IntPtr	JSObject	

ReturnNull(IntPtr, IntPtr)

Declaration

```
public static extern void ReturnNull(IntPtr isolate, IntPtr info)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	

ReturnNumber(IntPtr, IntPtr, double)

Declaration

```
public static extern void ReturnNumber(IntPtr isolate, IntPtr info, double number)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
double	number	

ReturnObject(IntPtr, IntPtr, int, IntPtr)

Declaration

```
public static extern void ReturnObject(IntPtr isolate, IntPtr info, int classID, IntPtr self)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
int	classID	
IntPtr	self	

ReturnString(IntPtr, IntPtr, string)

Declaration

```
public static void ReturnString(IntPtr isolate, IntPtr info, string str)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
string	str	

SetArrayBufferToOutValue(IntPtr, IntPtr, byte[], int)

Declaration

```
public static extern void SetArrayBufferToOutValue(IntPtr isolate, IntPtr value, byte[] bytes, int length)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
byte[]	bytes	
int	length	

SetBigIntToOutValue(IntPtr, IntPtr, long)

Declaration

```
public static extern void SetBigIntToOutValue(IntPtr isolate, IntPtr value, long bigInt)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	

TYPE	NAME	DESCRIPTION
long	bigInt	

SetBooleanToOutValue(IntPtr, IntPtr, bool)

Declaration

```
public static extern void SetBooleanToOutValue(IntPtr isolate, IntPtr value, bool b)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
bool	b	

SetDateToOutValue(IntPtr, IntPtr, double)

Declaration

```
public static extern void SetDateToOutValue(IntPtr isolate, IntPtr value, double date)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
double	date	

SetGeneralDestructor(IntPtr, V8DestructorCallback)

Declaration

```
public static void SetGeneralDestructor(IntPtr isolate, V8DestructorCallback generalDestructor)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
V8DestructorCallback	generalDestructor	

SetGeneralDestructor(IntPtr, IntPtr)

Declaration

```
public static extern void SetGeneralDestructor(IntPtr isolate, IntPtr generalDestructor)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	generalDestructor	

SetGlobalFunction(IntPtr, string, V8FunctionCallback, long)

Declaration

```
public static void SetGlobalFunction(IntPtr isolate, string name, V8FunctionCallback v8FunctionCallback, long data)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
string	name	
V8FunctionCallback	v8FunctionCallback	
long	data	

SetGlobalFunction(IntPtr, string, IntPtr, long)

Declaration

```
public static extern void SetGlobalFunction(IntPtr isolate, string name, IntPtr v8FunctionCallback, long data)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
string	name	
IntPtr	v8FunctionCallback	
long	data	

SetLogCallback(LogCallback, LogCallback, LogCallback)

Declaration

```
public static void SetLogCallback(LogCallback log, LogCallback logWarning, LogCallback logError)
```

Parameters

TYPE	NAME	DESCRIPTION
LogCallback	log	
LogCallback	logWarning	

TYPE	NAME	DESCRIPTION
LogCallback	logError	

SetLogCallback(IntPtr, IntPtr, IntPtr)

Declaration

```
public static extern void SetLogCallback(IntPtr log, IntPtr logWarning, IntPtr logError)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	log	
IntPtr	logWarning	
IntPtr	logError	

SetModuleResolver(IntPtr, ModuleResolveCallback, int)

Declaration

```
public static void SetModuleResolver(IntPtr isolate, ModuleResolveCallback callback, int jsEnvIdx)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
ModuleResolveCallback	callback	
int	jsEnvIdx	

SetNullToOutValue(IntPtr, IntPtr)

Declaration

```
public static extern void SetNullToOutValue(IntPtr isolate, IntPtr value)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	

SetNumberToOutValue(IntPtr, IntPtr, double)

Declaration

```
public static extern void SetNumberToOutValue(IntPtr isolate, IntPtr value, double number)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
double	number	

SetObjectToOutValue(IntPtr, IntPtr, int, IntPtr)

Declaration

```
public static extern void SetObjectToOutValue(IntPtr isolate, IntPtr value, int classId, IntPtr ptr)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
int	classId	
IntPtr	ptr	

SetStringToOutValue(IntPtr, IntPtr, string)

Declaration

```
public static void SetStringToOutValue(IntPtr isolate, IntPtr value, string str)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
string	str	

ThrowException(IntPtr, byte[])

Declaration

```
public static extern void ThrowException(IntPtr isolate, byte[] message)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
byte[]	message	

ThrowException(IntPtr, string)

Declaration

```
public static void ThrowException(IntPtr isolate, string message)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
string	message	

ValueIsBigInt(IntPtr, IntPtr, bool)

Declaration

```
public static extern bool ValueIsBigInt(IntPtr isolate, IntPtr value, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	value	
bool	isByRef	

Returns

TYPE	DESCRIPTION
bool	

Delegate V8ConstructorCallback

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Native](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public delegate IntPtr V8ConstructorCallback(IntPtr isolate, IntPtr info, int paramLen, long data)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
int	paramLen	
long	data	

Returns

TYPE	DESCRIPTION
IntPtr	

Delegate V8DestructorCallback

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Native](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public delegate void V8DestructorCallback(IntPtr self, long data)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	self	
long	data	

Delegate V8FunctionCallback

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Native](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public delegate void V8FunctionCallback(IntPtr isolate, IntPtr info, IntPtr self, int paramLen, long data)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
IntPtr	self	
int	paramLen	
long	data	

Namespace PuerTsPlugin.PuerTS_MCS.Puerts.Translator

Classes

[GeneralGetterManager](#)

[GeneralSetterManager](#)

[GetValueFromArgumentImpl](#)

[GetValueFromResultImpl](#)

[NativeValueApi](#)

[ObjectPool](#)

[PrimitiveTypeTranslate](#)

[SetValueToArgumentImpl](#)

[SetValueToByRefArgumentImpl](#)

[SetValueToResultImpl](#)

[StaticTranslate<T>](#)

Structs

[ArgHelper](#)

[ResultHelper](#)

Interfaces

[IGetValueFromJs](#)

[ISetValueToJs](#)

Delegates

[GeneralGetter](#)

[GeneralSetter](#)

[StaticTranslate<T>.GetFunc](#)

[StaticTranslate<T>.PushFunc](#)

Struct ArgHelper

Inherited Members

ValueType.Equals(object)
ValueType.GetHashCode()
ValueType.ToString()
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetType()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.Translator

Assembly: PuerTS_MCS.dll

Syntax

```
public struct ArgHelper
```

Methods

GetParams<T>(int, IntPtr, IntPtr, int, int, IntPtr)

Declaration

```
public static T[] GetParams<T>(int jsEnvIdx, IntPtr isolate, IntPtr info, int start, int end, IntPtr v8Value)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IntPtr	info	
int	start	
int	end	
IntPtr	v8Value	

Returns

TYPE	DESCRIPTION
T[]	

Type Parameters

NAME	DESCRIPTION
T	

IsMatch(int, IntPtr, JsValueType, Type, bool, bool, IntPtr, ref object, ref JsValueType)

Declaration

```
public static bool IsMatch(int jsEnvIdx, IntPtr isolate, JsValueType expectJsType, Type expectCsType, bool isByRef, bool isOut, IntPtr v8Value, ref object arg, ref JsValueType argValueType)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
JsValueType	expectJsType	
Type	expectCsType	
bool	isByRef	
bool	isOut	
IntPtr	v8Value	
object	arg	
JsValueType	argValueType	

Returns

TYPE	DESCRIPTION
bool	

IsMatchParams(int, IntPtr, IntPtr, JsValueType, Type, int, int, IntPtr, ref object, ref JsValueType)

Declaration

```
public static bool IsMatchParams(int jsEnvIdx, IntPtr isolate, IntPtr info, JsValueType expectJsType, Type expectCsType, int start, int end, IntPtr v8Value, ref object arg, ref JsValueType argValueType)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IntPtr	info	
JsValueType	expectJsType	
Type	expectCsType	
int	start	
int	end	
IntPtr	v8Value	
object	arg	

TYPE	NAME	DESCRIPTION
JsValueType	argValueType	

Returns

TYPE	DESCRIPTION
bool	

Delegate GeneralGetter

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Translator](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public delegate object GeneralGetter(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr value, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IGetValueFromJs	getValueApi	
IntPtr	value	
bool	isByRef	

Returns

TYPE	DESCRIPTION
object	

Class GeneralGetterManager

Inheritance

object
GeneralGetterManager

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.Translator

Assembly: PuerTS_MCS.dll

Syntax

```
public class GeneralGetterManager
```

Methods

GetJsTypeMask(Type)

Declaration

```
public static JsValueType GetJsTypeMask(Type type)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	type	

Returns

TYPE	DESCRIPTION
JsValueType	

GetSelf(int, IntPtr)

Declaration

```
public object GetSelf(int jsEnvIdx, IntPtr Self)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	Self	

Returns

TYPE	DESCRIPTION
object	

GetTranslateFunc(Type)

Declaration

```
public GeneralGetter GetTranslateFunc(Type type)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	type	

Returns

TYPE	DESCRIPTION
GeneralGetter	

RegisterGetter(Type, GeneralGetter)

Declaration

```
public void RegisterGetter(Type type, GeneralGetter generalGetter)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	type	
GeneralGetter	generalGetter	

Delegate GeneralSetter

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Translator](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public delegate void GeneralSetter(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr holder, object obj)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	holder	
object	obj	

Class GeneralSetterManager

Inheritance

object
GeneralSetterManager

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.Translator

Assembly: PuerTS_MCS.dll

Syntax

```
public class GeneralSetterManager
```

Constructors

GeneralSetterManager()

Declaration

```
public GeneralSetterManager()
```

Methods

GetTranslateFunc(Type)

Declaration

```
public GeneralSetter GetTranslateFunc(Type type)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	type	

Returns

TYPE	DESCRIPTION
GeneralSetter	

RegisterSetter(Type, GeneralSetter)

Declaration

```
public void RegisterSetter(Type type, GeneralSetter generalSetter)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	type	

TYPE	NAME	DESCRIPTION
GeneralSetter	generalSetter	

Class GetValueFromArgumentImpl

Inheritance

object
GetValueFromArgumentImpl

Implements

IGetValueFromJs

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.Translator

Assembly: PuerTS_MCS.dll

Syntax

```
public class GetValueFromArgumentImpl : IGetValueFromJs
```

Methods

GetArrayBuffer(IntPtr, IntPtr, bool)

Declaration

```
public ArrayBuffer GetArrayBuffer(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
ArrayBuffer	

GetBigInt(IntPtr, IntPtr, bool)

Declaration

```
public long GetBigInt(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	

TYPE	NAME	DESCRIPTION
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
long	

GetBoolean(IntPtr, IntPtr, bool)

Declaration

```
public bool GetBoolean(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
bool	

GetDate(IntPtr, IntPtr, bool)

Declaration

```
public double GetDate(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
double	

GetFunction(IntPtr, IntPtr, bool)

Declaration

```
public IntPtr GetFunction(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
IntPtr	

GetJSObject(IntPtr, IntPtr, bool)

Declaration

```
public IntPtr GetJSObject(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
IntPtr	

GetJsValueType(IntPtr, IntPtr, bool)

Declaration

```
public JsValueType GetJsValueType(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
JsValueType	

GetNativeObject(IntPtr, IntPtr, bool)

Declaration

```
public IntPtr GetNativeObject(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
IntPtr	

GetNumber(IntPtr, IntPtr, bool)

Declaration

```
public double GetNumber(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
double	

GetString(IntPtr, IntPtr, bool)

Declaration

```
public string GetString(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
string	

GetTypeId(IntPtr, IntPtr, bool)

Declaration

```
public int GetTypeId(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
int	

Implements

[IGetValueFromJs](#)

Class GetValueFromResultImpl

Inheritance

object
GetValueFromResultImpl

Implements

IGetValueFromJs

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.Translator

Assembly: PuerTS_MCS.dll

Syntax

```
public class GetValueFromResultImpl : IGetValueFromJs
```

Methods

GetArrayBuffer(IntPtr, IntPtr, bool)

Declaration

```
public ArrayBuffer GetArrayBuffer(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
ArrayBuffer	

GetBigInt(IntPtr, IntPtr, bool)

Declaration

```
public long GetBigInt(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	

TYPE	NAME	DESCRIPTION
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
long	

GetBoolean(IntPtr, IntPtr, bool)

Declaration

```
public bool GetBoolean(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
bool	

GetDate(IntPtr, IntPtr, bool)

Declaration

```
public double GetDate(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
double	

GetFunction(IntPtr, IntPtr, bool)

Declaration

```
public IntPtr GetFunction(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
IntPtr	

GetJSObject(IntPtr, IntPtr, bool)

Declaration

```
public IntPtr GetJSObject(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
IntPtr	

GetJsValueType(IntPtr, IntPtr, bool)

Declaration

```
public JsValueType GetJsValueType(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
JsValueType	

GetNativeObject(IntPtr, IntPtr, bool)

Declaration

```
public IntPtr GetNativeObject(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
IntPtr	

GetNumber(IntPtr, IntPtr, bool)

Declaration

```
public double GetNumber(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
double	

GetString(IntPtr, IntPtr, bool)

Declaration

```
public string GetString(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
string	

GetTypeId(IntPtr, IntPtr, bool)

Declaration

```
public int GetTypeId(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
int	

Implements

[IGetValueFromJs](#)

Interface IGetValueFromJs

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Translator](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public interface IGetValueFromJs
```

Methods

GetArrayBuffer(IntPtr, IntPtr, bool)

Declaration

```
ArrayBuffer GetArrayBuffer(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
ArrayBuffer	

GetBigInt(IntPtr, IntPtr, bool)

Declaration

```
long GetBigInt(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
long	

GetBoolean(IntPtr, IntPtr, bool)

Declaration

```
bool GetBoolean(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
bool	

GetDate(IntPtr, IntPtr, bool)

Declaration

```
double GetDate(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
double	

GetFunction(IntPtr, IntPtr, bool)

Declaration

```
IntPtr GetFunction(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
IntPtr	

GetJSObject(IntPtr, IntPtr, bool)

Declaration

IntPtr GetJSObject(IntPtr isolate, IntPtr holder, bool isByRef)

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
IntPtr	

GetJsValueType(IntPtr, IntPtr, bool)

Declaration

JsValueType GetJsValueType(IntPtr isolate, IntPtr holder, bool isByRef)

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
JsValueType	

GetNativeObject(IntPtr, IntPtr, bool)

Declaration

IntPtr GetNativeObject(IntPtr isolate, IntPtr holder, bool isByRef)

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
IntPtr	

GetNumber(IntPtr, IntPtr, bool)

Declaration

```
double GetNumber(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
double	

GetString(IntPtr, IntPtr, bool)

Declaration

```
string GetString(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
string	

GetTypeId(IntPtr, IntPtr, bool)

Declaration

```
int GetTypeId(IntPtr isolate, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
int	

Interface ISetValueToJs

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Translator](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public interface ISetValueToJs
```

Methods

SetArrayBuffer(IntPtr, IntPtr, ArrayBuffer)

Declaration

```
void SetArrayBuffer(IntPtr isolate, IntPtr holder, ArrayBuffer arrayBuffer)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
ArrayBuffer	arrayBuffer	

SetBigInt(IntPtr, IntPtr, long)

Declaration

```
void SetBigInt(IntPtr isolate, IntPtr holder, long number)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
long	number	

SetBoolean(IntPtr, IntPtr, bool)

Declaration

```
void SetBoolean(IntPtr isolate, IntPtr holder, bool b)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	b	

SetDate(IntPtr, IntPtr, double)

Declaration

```
void SetDate(IntPtr isolate, IntPtr holder, double date)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
double	date	

SetFunction(IntPtr, IntPtr, IntPtr)

Declaration

```
void SetFunction(IntPtr isolate, IntPtr holder, IntPtr JSFunction)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
IntPtr	JSFunction	

SetJSObject(IntPtr, IntPtr, IntPtr)

Declaration

```
void SetJSObject(IntPtr isolate, IntPtr holder, IntPtr JSObject)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
IntPtr	JSObject	

SetNativeObject(IntPtr, IntPtr, int, IntPtr)

Declaration

```
void SetNativeObject(IntPtr isolate, IntPtr holder, int classID, IntPtr self)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	

TYPE	NAME	DESCRIPTION
int	classID	
IntPtr	self	

SetNull(IntPtr, IntPtr)

Declaration

```
void SetNull(IntPtr isolate, IntPtr holder)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	

SetNumber(IntPtr, IntPtr, double)

Declaration

```
void SetNumber(IntPtr isolate, IntPtr holder, double number)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
double	number	

SetString(IntPtr, IntPtr, string)

Declaration

```
void SetString(IntPtr isolate, IntPtr holder, string str)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
string	str	

Class NativeValueApi

Inheritance

object
NativeValueApi

Inherited Members

- object.ToString()
- object.Equals(object)
- object.Equals(object, object)
- object.ReferenceEquals(object, object)
- object.GetHashCode()
- object.GetType()
- object.MemberwiseClone()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.Translator

Assembly: PuerTS_MCS.dll

Syntax

```
public static class NativeValueApi
```

Fields

GetValueFromArgument

Declaration

```
public static IGetValueFromJs GetValueFromArgument
```

Field Value

TYPE	DESCRIPTION
IGetValueFromJs	

GetValueFromResult

Declaration

```
public static IGetValueFromJs GetValueFromResult
```

Field Value

TYPE	DESCRIPTION
IGetValueFromJs	

SetValueToArgument

Declaration

```
public static ISetValueToJs SetValueToArgument
```

Field Value

TYPE	DESCRIPTION
ISetValueToJs	

SetValueToByRefArgument

Declaration

```
public static ISetValueToJs SetValueToByRefArgument
```

Field Value

TYPE	DESCRIPTION
ISetValueToJs	

SetValueToResult

Declaration

```
public static ISetValueToJs SetValueToResult
```

Field Value

TYPE	DESCRIPTION
ISetValueToJs	

Class ObjectPool

Inheritance

object
ObjectPool

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.Translator

Assembly: PuerTS_MCS.dll

Syntax

```
public class ObjectPool
```

Constructors

ObjectPool()

Declaration

```
public ObjectPool()
```

Methods

AddBoxedValueType(object)

Declaration

```
public int AddBoxedValueType(object obj)
```

Parameters

TYPE	NAME	DESCRIPTION
object	obj	

Returns

TYPE	DESCRIPTION
int	

Check(int, int, Func<object, bool>, Dictionary<object, int>)

Declaration

```
public int Check(int checkPos, int maxCheck, Func<object, bool> checker, Dictionary<object, int> reverseMap)
```

Parameters

TYPE	NAME	DESCRIPTION
int	checkPos	

TYPE	NAME	DESCRIPTION
int	maxCheck	
Func<object, bool>	checker	
Dictionary<object, int>	reverseMap	

Returns

TYPE	DESCRIPTION
int	

Clear()

Declaration

```
public void Clear()
```

FindOrAddObject(object)

Declaration

```
public int FindOrAddObject(object obj)
```

Parameters

TYPE	NAME	DESCRIPTION
object	obj	

Returns

TYPE	DESCRIPTION
int	

Get(int)

Declaration

```
public object Get(int index)
```

Parameters

TYPE	NAME	DESCRIPTION
int	index	

Returns

TYPE	DESCRIPTION
object	

Remove(int)

Declaration


```
public object Remove(int index)
```

Parameters

TYPE	NAME	DESCRIPTION
int	index	

Returns

TYPE	DESCRIPTION
object	

ReplaceValueType(int, object)

Declaration

```
public object ReplaceValueType(int index, object o)
```

Parameters

TYPE	NAME	DESCRIPTION
int	index	
object	o	

Returns

TYPE	DESCRIPTION
object	

TryGetValue(int, out object)

Declaration

```
public bool TryGetValue(int index, out object obj)
```

Parameters

TYPE	NAME	DESCRIPTION
int	index	
object	obj	

Returns

TYPE	DESCRIPTION
bool	

Class PrimitiveTypeTranslate

Inheritance

object
PrimitiveTypeTranslate

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Translator](#)
Assembly: PuerTS_MCS.dll

Syntax

```
public static class PrimitiveTypeTranslate
```

Methods

GetArrayBuffer(int, IntPtr, IGetValueFromJs, IntPtr, bool)

Declaration

```
public static ArrayBuffer GetArrayBuffer(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IGetValueFromJs	getValueApi	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
ArrayBuffer	

GetBoolean(int, IntPtr, IGetValueFromJs, IntPtr, bool)

Declaration

```
public static bool GetBoolean(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IGetValueFromJs	getValueApi	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
bool	

GetByte(int, IntPtr, IGetValueFromJs, IntPtr, bool)

Declaration

```
public static byte GetByte(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IGetValueFromJs	getValueApi	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
byte	

GetChar(int, IntPtr, IGetValueFromJs, IntPtr, bool)

Declaration

```
public static char GetChar(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IGetValueFromJs	getValueApi	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
char	

GetDouble(int, IntPtr, IGetValueFromJs, IntPtr, bool)

Declaration

```
public static double GetDouble(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IGetValueFromJs	getValueApi	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
double	

GetFloat(int, IntPtr, IGetValueFromJs, IntPtr, bool)

Declaration

```
public static float GetFloat(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	

TYPE	NAME	DESCRIPTION
IGetValueFromJs	getValueApi	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
float	

GetInt16(int, IntPtr, IGetValueFromJs, IntPtr, bool)

Declaration

```
public static short GetInt16(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IGetValueFromJs	getValueApi	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
short	

GetInt32(int, IntPtr, IGetValueFromJs, IntPtr, bool)

Declaration

```
public static int GetInt32(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IGetValueFromJs	getValueApi	

TYPE	NAME	DESCRIPTION
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
int	

GetInt64(int, IntPtr, IGetValueFromJs, IntPtr, bool)

Declaration

```
public static long GetInt64(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IGetValueFromJs	getValueApi	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
long	

GetSByte(int, IntPtr, IGetValueFromJs, IntPtr, bool)

Declaration

```
public static sbyte GetSByte(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IGetValueFromJs	getValueApi	
IntPtr	holder	

TYPE	NAME	DESCRIPTION
bool	isByRef	

Returns

TYPE	DESCRIPTION
sbyte	

GetString(int, IntPtr, IGetValueFromJs, IntPtr, bool)

Declaration

```
public static string GetString(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IGetValueFromJs	getValueApi	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
string	

GetUInt16(int, IntPtr, IGetValueFromJs, IntPtr, bool)

Declaration

```
public static ushort GetUInt16(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IGetValueFromJs	getValueApi	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
ushort	

GetUInt32(int, IntPtr, IGetValueFromJs, IntPtr, bool)

Declaration

```
public static uint GetUInt32(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IGetValueFromJs	getValueApi	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
uint	

GetUInt64(int, IntPtr, IGetValueFromJs, IntPtr, bool)

Declaration

```
public static ulong GetUInt64(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IGetValueFromJs	getValueApi	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
ulong	

PushArrayBuffer(int, IntPtr, ISetValueToJs, IntPtr, ArrayBuffer)

Declaration

```
public static void PushArrayBuffer(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr holder,
ArrayBuffer arrayBuffer)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	holder	
ArrayBuffer	arrayBuffer	

PushBoolean(int, IntPtr, ISetValueToJs, IntPtr, bool)

Declaration

```
public static void PushBoolean(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr holder, bool i)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	holder	
bool	i	

PushByte(int, IntPtr, ISetValueToJs, IntPtr, byte)

Declaration

```
public static void PushByte(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr holder, byte i)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	holder	
byte	i	

PushChar(int, IntPtr, ISetValueToJs, IntPtr, char)

Declaration

```
public static void PushChar(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr holder, char i)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	holder	
char	i	

PushDouble(int, IntPtr, ISetValueToJs, IntPtr, double)

Declaration

```
public static void PushDouble(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr holder, double i)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	holder	
double	i	

PushFloat(int, IntPtr, ISetValueToJs, IntPtr, float)

Declaration

```
public static void PushFloat(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr holder, float i)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	holder	
float	i	

PushInt16(int, IntPtr, ISetValueToJs, IntPtr, short)

Declaration

```
public static void PushInt16(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr holder, short i)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	holder	
short	i	

PushInt32(int, IntPtr, ISetValueToJs, IntPtr, int)

Declaration

```
public static void PushInt32(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr holder, int i)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	holder	
int	i	

PushInt64(int, IntPtr, ISetValueToJs, IntPtr, long)

Declaration

```
public static void PushInt64(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr holder, long i)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	holder	
long	i	

PushSByte(int, IntPtr, ISetValueToJs, IntPtr, sbyte)

Declaration

```
public static void PushSByte(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr holder, sbyte i)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	holder	
sbyte	i	

PushString(int, IntPtr, ISetValueToJs, IntPtr, string)

Declaration

```
public static void PushString(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr holder, string i)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	holder	
string	i	

PushUInt16(int, IntPtr, ISetValueToJs, IntPtr, ushort)

Declaration

```
public static void PushUInt16(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr holder, ushort i)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	holder	
ushort	i	

PushUInt32(int, IntPtr, ISetValueToJs, IntPtr, uint)

Declaration

```
public static void PushUInt32(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr holder, uint i)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	holder	
uint	i	

PushUInt64(int, IntPtr, ISetValueToJs, IntPtr, ulong)

Declaration

```
public static void PushUInt64(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr holder, ulong i)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	holder	

TYPE	NAME	DESCRIPTION
ulong	i	

Struct ResultHelper

Inherited Members

ValueType.Equals(object)
ValueType.GetHashCode()
ValueType.ToString()
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetType()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.Translator

Assembly: PuerTS_MCS.dll

Syntax

```
public struct ResultHelper
```

Methods

Set<T>(int, IntPtr, IntPtr, T)

Declaration

```
public static void Set<T>(int jsEnvIdx, IntPtr isolate, IntPtr info, T result)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IntPtr	info	
T	result	

Type Parameters

NAME	DESCRIPTION
T	

Class SetValueToArgumentImpl

Inheritance

object
SetValueToArgumentImpl

Implements

[ISetValueToJs](#)

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Translator](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class SetValueToArgumentImpl : ISetValueToJs
```

Methods

SetArrayBuffer(IntPtr, IntPtr, ArrayBuffer)

Declaration

```
public void SetArrayBuffer(IntPtr isolate, IntPtr holder, ArrayBuffer arrayBuffer)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
ArrayBuffer	arrayBuffer	

SetBigInt(IntPtr, IntPtr, long)

Declaration

```
public void SetBigInt(IntPtr isolate, IntPtr holder, long number)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
long	number	

SetBoolean(IntPtr, IntPtr, bool)

Declaration

```
public void SetBoolean(IntPtr isolate, IntPtr holder, bool b)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	b	

SetDate(IntPtr, IntPtr, double)

Declaration

```
public void SetDate(IntPtr isolate, IntPtr holder, double date)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
double	date	

SetFunction(IntPtr, IntPtr, IntPtr)

Declaration

```
public void SetFunction(IntPtr isolate, IntPtr holder, IntPtr JSFunction)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
IntPtr	JSFunction	

SetJSObject(IntPtr, IntPtr, IntPtr)

Declaration

```
public void SetJSObject(IntPtr isolate, IntPtr holder, IntPtr JSObject)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	

TYPE	NAME	DESCRIPTION
IntPtr	JSObject	

SetNativeObject(IntPtr, IntPtr, int, IntPtr)

Declaration

```
public void SetNativeObject(IntPtr isolate, IntPtr holder, int classID, IntPtr self)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
int	classID	
IntPtr	self	

SetNull(IntPtr, IntPtr)

Declaration

```
public void SetNull(IntPtr isolate, IntPtr holder)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	

SetNumber(IntPtr, IntPtr, double)

Declaration

```
public void SetNumber(IntPtr isolate, IntPtr holder, double number)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
double	number	

SetString(IntPtr, IntPtr, string)

Declaration

```
public void SetString(IntPtr isolate, IntPtr holder, string str)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
string	str	

Implements

[ISetValueToJs](#)

Class SetValueToByRefArgumentImpl

Inheritance

object
SetValueToByRefArgumentImpl

Implements

[ISetValueToJs](#)

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Translator](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class SetValueToByRefArgumentImpl : ISetValueToJs
```

Methods

SetArrayBuffer(IntPtr, IntPtr, ArrayBuffer)

Declaration

```
public void SetArrayBuffer(IntPtr isolate, IntPtr holder, ArrayBuffer arrayBuffer)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
ArrayBuffer	arrayBuffer	

SetBigInt(IntPtr, IntPtr, long)

Declaration

```
public void SetBigInt(IntPtr isolate, IntPtr holder, long number)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
long	number	

SetBoolean(IntPtr, IntPtr, bool)

Declaration

```
public void SetBoolean(IntPtr isolate, IntPtr holder, bool b)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	b	

SetDate(IntPtr, IntPtr, double)

Declaration

```
public void SetDate(IntPtr isolate, IntPtr holder, double date)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
double	date	

SetFunction(IntPtr, IntPtr, IntPtr)

Declaration

```
public void SetFunction(IntPtr isolate, IntPtr holder, IntPtr JSFunction)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
IntPtr	JSFunction	

SetJSObject(IntPtr, IntPtr, IntPtr)

Declaration

```
public void SetJSObject(IntPtr isolate, IntPtr holder, IntPtr JSObject)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	

TYPE	NAME	DESCRIPTION
IntPtr	JSObject	

SetNativeObject(IntPtr, IntPtr, int, IntPtr)

Declaration

```
public void SetNativeObject(IntPtr isolate, IntPtr holder, int classID, IntPtr self)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
int	classID	
IntPtr	self	

SetNull(IntPtr, IntPtr)

Declaration

```
public void SetNull(IntPtr isolate, IntPtr holder)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	

SetNumber(IntPtr, IntPtr, double)

Declaration

```
public void SetNumber(IntPtr isolate, IntPtr holder, double number)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
double	number	

SetString(IntPtr, IntPtr, string)

Declaration

```
public void SetString(IntPtr isolate, IntPtr holder, string str)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
string	str	

Implements

[ISetValueToJs](#)

Class SetValueToResultImpl

Inheritance

object
SetValueToResultImpl

Implements

[ISetValueToJs](#)

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Translator](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class SetValueToResultImpl : ISetValueToJs
```

Methods

SetArrayBuffer(IntPtr, IntPtr, ArrayBuffer)

Declaration

```
public void SetArrayBuffer(IntPtr isolate, IntPtr holder, ArrayBuffer arrayBuffer)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
ArrayBuffer	arrayBuffer	

SetBigInt(IntPtr, IntPtr, long)

Declaration

```
public void SetBigInt(IntPtr isolate, IntPtr holder, long number)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
long	number	

SetBoolean(IntPtr, IntPtr, bool)

Declaration

```
public void SetBoolean(IntPtr isolate, IntPtr holder, bool b)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
bool	b	

SetDate(IntPtr, IntPtr, double)

Declaration

```
public void SetDate(IntPtr isolate, IntPtr holder, double date)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
double	date	

SetFunction(IntPtr, IntPtr, IntPtr)

Declaration

```
public void SetFunction(IntPtr isolate, IntPtr holder, IntPtr JSFunction)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
IntPtr	JSFunction	

SetJSObject(IntPtr, IntPtr, IntPtr)

Declaration

```
public void SetJSObject(IntPtr isolate, IntPtr holder, IntPtr JSObject)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	

TYPE	NAME	DESCRIPTION
IntPtr	JSObject	

SetNativeObject(IntPtr, IntPtr, int, IntPtr)

Declaration

```
public void SetNativeObject(IntPtr isolate, IntPtr holder, int classID, IntPtr self)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
int	classID	
IntPtr	self	

SetNull(IntPtr, IntPtr)

Declaration

```
public void SetNull(IntPtr isolate, IntPtr holder)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	

SetNumber(IntPtr, IntPtr, double)

Declaration

```
public void SetNumber(IntPtr isolate, IntPtr holder, double number)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
double	number	

SetString(IntPtr, IntPtr, string)

Declaration

```
public void SetString(IntPtr isolate, IntPtr holder, string str)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	holder	
string	str	

Implements

[ISetValueToJs](#)

Class StaticTranslate<T>

Inheritance

object
StaticTranslate<T>

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.Translator
Assembly: PuerTS_MCS.dll

Syntax

```
public static class StaticTranslate<T>
```

Type Parameters

NAME	DESCRIPTION
T	

Fields

Get

Declaration

```
public static StaticTranslate<T>.GetFunc Get
```

Field Value

TYPE	DESCRIPTION
StaticTranslate<T>.GetFunc	

Set

Declaration

```
public static StaticTranslate<T>.PushFunc Set
```

Field Value

TYPE	DESCRIPTION
StaticTranslate<T>.PushFunc	

Methods

ReplaceDefault(PushFunc, GetFunc)

Declaration

```
public static void ReplaceDefault(StaticTranslate<T>.PushFunc pushFunc, StaticTranslate<T>.GetFunc getFunc)
```

Parameters

TYPE	NAME	DESCRIPTION
StaticTranslate<T>.PushFunc	pushFunc	
StaticTranslate<T>.GetFunc	getFunc	

Delegate StaticTranslate<T>.GetFunc

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Translator](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public delegate T StaticTranslate<T>.GetFunc(int jsEnvIdx, IntPtr isolate, IGetValueFromJs getValueApi, IntPtr holder, bool isByRef)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
IGetValueFromJs	getValueApi	
IntPtr	holder	
bool	isByRef	

Returns

TYPE	DESCRIPTION
T	

Delegate StaticTranslate<T>.PushFunc

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Translator](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public delegate void StaticTranslate<T>.PushFunc(int jsEnvIdx, IntPtr isolate, ISetValueToJs setValueApi, IntPtr function, T o)
```

Parameters

TYPE	NAME	DESCRIPTION
int	jsEnvIdx	
IntPtr	isolate	
ISetValueToJs	setValueApi	
IntPtr	function	
T	o	

Namespace PuerTsPlugin.PuerTS_MCS.Puerts.Wrapper

Classes

[DelegateConstructWrap](#)

[GenericMethodWrap](#)

[LazyFieldWrap](#)

[LazyMembersWrap](#)

[LazyMethodWrap](#)

[LazyPropertyWrap](#)

[MethodReflectionWrap](#)

[OverloadReflectionWrap](#)

Parameters

[TypeRegisterInfo](#)

Structs

[JSCallInfo](#)

[LazyMemberRegisterInfo](#)

[MethodKey](#)

[PropertyRegisterInfo](#)

Enums

[LazyMemberType](#)

Class DelegateConstructWrap

Inheritance

object
DelegateConstructWrap

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.**PuerTS_MCS.Puerts.Wrapper**
Assembly: PuerTS_MCS.dll

Syntax

```
public class DelegateConstructWrap
```

Constructors

DelegateConstructWrap(Type, JsEnv)

Declaration

```
public DelegateConstructWrap(Type delegateType, JsEnv jsEnv)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	delegateType	
JsEnv	jsEnv	

Methods

Construct(IntPtr, IntPtr, int)

Declaration

```
public object Construct(IntPtr isolate, IntPtr info, int argumentsLen)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
int	argumentsLen	

Returns

TYPE	DESCRIPTION
object	

Class GenericMethodWrap

Inheritance

object
GenericMethodWrap

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.**PuerTS_MCS.Puerts.Wrapper**
Assembly: PuerTS_MCS.dll

Syntax

```
public class GenericMethodWrap
```

Constructors

GenericMethodWrap(string, JsEnv, Type, Type[])

Declaration

```
public GenericMethodWrap(string memberName, JsEnv env, Type definitionType, Type[] genericArguments)
```

Parameters

TYPE	NAME	DESCRIPTION
string	memberName	
JsEnv	env	
Type	definitionType	
Type[]	genericArguments	

Fields

reflectionWrap

Declaration

```
protected MethodReflectionWrap reflectionWrap
```

Field Value

TYPE	DESCRIPTION
MethodReflectionWrap	

Methods

Invoke(IntPtr, IntPtr, IntPtr, int)

Declaration

```
public void Invoke(IntPtr isolate, IntPtr info, IntPtr self, int argumentsLen)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
IntPtr	self	
int	argumentsLen	

Struct JSCallInfo

Inherited Members

- ValueType.Equals(object)
- ValueType.GetHashCode()
- ValueType.ToString()
- object.Equals(object, object)
- object.ReferenceEquals(object, object)
- object.GetType()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.Wrapper
Assembly: PuerTS_MCS.dll

Syntax

```
public struct JSCallInfo
```

Constructors

JSCallInfo(IntPtr, IntPtr, IntPtr, int)

Declaration

```
public JSCallInfo(IntPtr isolate, IntPtr info, IntPtr self, int len)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
IntPtr	self	
int	len	

Fields

Info

Declaration

```
public IntPtr Info
```

Field Value

TYPE	DESCRIPTION
IntPtr	

Isolate

Declaration

```
public IntPtr Isolate
```

Field Value

TYPE	DESCRIPTION
IntPtr	

JsTypes

Declaration

```
public JsValueType[] JsTypes
```

Field Value

TYPE	DESCRIPTION
JsValueType[]	

Length

Declaration

```
public int Length
```

Field Value

TYPE	DESCRIPTION
int	

NativePtrs

Declaration

```
public IntPtr[] NativePtrs
```

Field Value

TYPE	DESCRIPTION
IntPtr[]	

Self

Declaration

```
public IntPtr Self
```

Field Value

TYPE	DESCRIPTION
IntPtr	

Values

Declaration

```
public object[] Values
```

Field Value

TYPE	DESCRIPTION
object[]	

Class LazyFieldWrap

Inheritance

object
[LazyMembersWrap](#)
LazyFieldWrap

Inherited Members

[LazyMembersWrap.memberName](#)
[LazyMembersWrap.jsEnv](#)
[LazyMembersWrap.definitionType](#)
[LazyMembersWrap.flag](#)
object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Wrapper](#)
Assembly: PuerTS_MCS.dll

Syntax

```
public class LazyFieldWrap : LazyMembersWrap
```

Constructors

LazyFieldWrap(string, JsEnv, Type)

Declaration

```
public LazyFieldWrap(string memberName, JsEnv jsEnv, Type definitionType)
```

Parameters

TYPE	NAME	DESCRIPTION
string	memberName	
JsEnv	jsEnv	
Type	definitionType	

Methods

InvokeGetter(IntPtr, IntPtr, IntPtr, int)

Declaration

```
public void InvokeGetter(IntPtr isolate, IntPtr info, IntPtr self, int argumentsLen)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	

TYPE	NAME	DESCRIPTION
IntPtr	info	
IntPtr	self	
int	argumentsLen	

InvokeSetter(IntPtr, IntPtr, IntPtr, int)

Declaration

```
public void InvokeSetter(IntPtr isolate, IntPtr info, IntPtr self, int argumentsLen)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
IntPtr	self	
int	argumentsLen	

Struct LazyMemberRegisterInfo

Inherited Members

ValueType.Equals(object)
ValueType.GetHashCode()
ValueType.ToString()
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetType()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Wrapper](#)
Assembly: PuerTS_MCS.dll

Syntax

```
public struct LazyMemberRegisterInfo
```

Fields

HasGetter

Declaration

```
public bool HasGetter
```

Field Value

TYPE	DESCRIPTION
bool	

HasSetter

Declaration

```
public bool HasSetter
```

Field Value

TYPE	DESCRIPTION
bool	

IsStatic

Declaration

```
public bool IsStatic
```

Field Value

TYPE	DESCRIPTION
bool	

Name

Declaration

```
public string Name
```

Field Value

TYPE	DESCRIPTION
string	

Type

Declaration

public LazyMemberType Type

Field Value

TYPE	DESCRIPTION
LazyMemberType	

Class LazyMembersWrap

Inheritance

object
LazyMembersWrap
[LazyFieldWrap](#)
[LazyMethodWrap](#)
[LazyPropertyWrap](#)

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Wrapper](#)
Assembly: PuerTS_MCS.dll

Syntax

```
public class LazyMembersWrap
```

Constructors

LazyMembersWrap(string, JsEnv, Type)

Declaration

```
public LazyMembersWrap(string memberName, JsEnv jsEnv, Type definitionType)
```

Parameters

TYPE	NAME	DESCRIPTION
string	memberName	
JsEnv	jsEnv	
Type	definitionType	

Fields

definitionType

Declaration

```
protected Type definitionType
```

Field Value

TYPE	DESCRIPTION
Type	

flag

Declaration

protected BindingFlags flag

Field Value

TYPE	DESCRIPTION
BindingFlags	

jsEnv

Declaration

protected JsEnv jsEnv

Field Value

TYPE	DESCRIPTION
JsEnv	

memberName

Declaration

protected string memberName

Field Value

TYPE	DESCRIPTION
string	

Enum LazyMemberType

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Wrapper](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public enum LazyMemberType
```

Fields

NAME	DESCRIPTION
Constructor	
Field	
Method	
Property	

Class LazyMethodWrap

Inheritance

object
[LazyMembersWrap](#)
LazyMethodWrap

Inherited Members

[LazyMembersWrap.memberName](#)
[LazyMembersWrap.jsEnv](#)
[LazyMembersWrap.definitionType](#)
[LazyMembersWrap.flag](#)
object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Wrapper](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class LazyMethodWrap : LazyMembersWrap
```

Constructors

LazyMethodWrap(string, JsEnv, Type)

Declaration

```
public LazyMethodWrap(string memberName, JsEnv jsEnv, Type definitionType)
```

Parameters

TYPE	NAME	DESCRIPTION
string	memberName	
JsEnv	jsEnv	
Type	definitionType	

Fields

reflectionWrap

Declaration

```
protected MethodReflectionWrap reflectionWrap
```

Field Value

TYPE	DESCRIPTION
MethodReflectionWrap	

Methods

Invoke(IntPtr, IntPtr, IntPtr, int)

Declaration

```
public void Invoke(IntPtr isolate, IntPtr info, IntPtr self, int argumentsLen)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
IntPtr	self	
int	argumentsLen	

Class LazyPropertyWrap

Inheritance

object
[LazyMembersWrap](#)
LazyPropertyWrap

Inherited Members

[LazyMembersWrap.memberName](#)
[LazyMembersWrap.jsEnv](#)
[LazyMembersWrap.definitionType](#)
[LazyMembersWrap.flag](#)
object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Wrapper](#)

Assembly: PuerTS_MCS.dll

Syntax

```
public class LazyPropertyWrap : LazyMembersWrap
```

Constructors

LazyPropertyWrap(string, JsEnv, Type)

Declaration

```
public LazyPropertyWrap(string memberName, JsEnv jsEnv, Type definitionType)
```

Parameters

TYPE	NAME	DESCRIPTION
string	memberName	
JsEnv	jsEnv	
Type	definitionType	

Fields

reflectionWrap

Declaration

```
protected MethodReflectionWrap reflectionWrap
```

Field Value

TYPE	DESCRIPTION
MethodReflectionWrap	

Methods

Invoke(IntPtr, IntPtr, IntPtr, int)

Declaration

```
public void Invoke(IntPtr isolate, IntPtr info, IntPtr self, int argumentsLen)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
IntPtr	self	
int	argumentsLen	

Struct MethodKey

Inherited Members

ValueType.Equals(object)
ValueType.GetHashCode()
ValueType.ToString()
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetType()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Wrapper](#)
Assembly: PuerTS_MCS.dll

Syntax

```
public struct MethodKey
```

Fields

IsExtension

Declaration

```
public bool IsExtension
```

Field Value

TYPE	DESCRIPTION
bool	

IsStatic

Declaration

```
public bool IsStatic
```

Field Value

TYPE	DESCRIPTION
bool	

Name

Declaration

```
public string Name
```

Field Value

TYPE	DESCRIPTION
string	

Class MethodReflectionWrap

Inheritance

object
MethodReflectionWrap

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.Wrapper
Assembly: PuerTS_MCS.dll

Syntax

```
public class MethodReflectionWrap
```

Constructors

MethodReflectionWrap(string, List<OverloadReflectionWrap>)

Declaration

```
public MethodReflectionWrap(string name, List<OverloadReflectionWrap> overloads)
```

Parameters

TYPE	NAME	DESCRIPTION
string	name	
List<OverloadReflectionWrap>	overloads	

Methods

Construct(IntPtr, IntPtr, int)

Declaration

```
public object Construct(IntPtr isolate, IntPtr info, int argumentsLen)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
int	argumentsLen	

Returns

TYPE	DESCRIPTION
object	

Invoke(IntPtr, IntPtr, IntPtr, int)

Declaration

```
public void Invoke(IntPtr isolate, IntPtr info, IntPtr self, int argumentsLen)
```

Parameters

TYPE	NAME	DESCRIPTION
IntPtr	isolate	
IntPtr	info	
IntPtr	self	
int	argumentsLen	

Class OverloadReflectionWrap

Inheritance

object
OverloadReflectionWrap

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.Wrapper
Assembly: PuerTS_MCS.dll

Syntax

```
public class OverloadReflectionWrap
```

Constructors

OverloadReflectionWrap(MethodBase, JsEnv, bool)

Declaration

```
public OverloadReflectionWrap(MethodBase methodBase, JsEnv jsEnv, bool extensionMethod = false)
```

Parameters

TYPE	NAME	DESCRIPTION
MethodBase	methodBase	
JsEnv	jsEnv	
bool	extensionMethod	

OverloadReflectionWrap(Type, JsEnv)

Declaration

```
public OverloadReflectionWrap(Type type, JsEnv jsEnv)
```

Parameters

TYPE	NAME	DESCRIPTION
Type	type	
JsEnv	jsEnv	

Methods

Construct(JSMethodInfo)

Declaration

```
public object Construct(JSMethodInfo callInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
JSCallInfo	callInfo	

Returns

TYPE	DESCRIPTION
object	

Invoke(JSCallInfo)

Declaration

<pre>public void Invoke(JSCallInfo jsCallInfo)</pre>
--

Parameters

TYPE	NAME	DESCRIPTION
JSCallInfo	jsCallInfo	

IsMatch(JSCallInfo)

Declaration

<pre>public bool IsMatch(JSCallInfo jsCallInfo)</pre>

Parameters

TYPE	NAME	DESCRIPTION
JSCallInfo	jsCallInfo	

Returns

TYPE	DESCRIPTION
bool	

Class Parameters

Inheritance

object
Parameters

Inherited Members

object.ToString()
object.Equals(object)
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetHashCode()
object.GetType()
object.MemberwiseClone()

Namespace: PuerTsPlugin.**PuerTS_MCS.Puerts.Wrapper**
Assembly: PuerTS_MCS.dll

Syntax

```
public class Parameters
```

Constructors

Parameters(ParameterInfo[], JsEnv)

Declaration

```
public Parameters(ParameterInfo[] parameterInfos, JsEnv jsEnv)
```

Parameters

TYPE	NAME	DESCRIPTION
ParameterInfo[]	parameterInfos	
JsEnv	jsEnv	

Methods

ClearArguments()

Declaration

```
public void ClearArguments()
```

FillByRefParameters(JSCallInfo)

Declaration

```
public void FillByRefParameters(JSCallInfo callInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
JSCallInfo	callInfo	

GetArguments(JSCallInfo)

Declaration


```
public object[] GetArguments(JSCallInfo callInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
JSCallInfo	callInfo	

Returns

TYPE	DESCRIPTION
object[]	

IsMatch(JSCallInfo)

Declaration

```
public bool IsMatch(JSCallInfo jsCallInfo)
```

Parameters

TYPE	NAME	DESCRIPTION
JSCallInfo	jsCallInfo	

Returns

TYPE	DESCRIPTION
bool	

Struct PropertyRegisterInfo

Inherited Members

ValueType.Equals(object)
ValueType.GetHashCode()
ValueType.ToString()
object.Equals(object, object)
object.ReferenceEquals(object, object)
object.GetType()

Namespace: PuerTsPlugin.PuerTS_MCS.Puerts.Wrapper
Assembly: PuerTS_MCS.dll

Syntax

```
public struct PropertyRegisterInfo
```

Fields

Getter

Declaration

```
public V8FunctionCallback Getter
```

Field Value

TYPE	DESCRIPTION
V8FunctionCallback	

IsStatic

Declaration

```
public bool IsStatic
```

Field Value

TYPE	DESCRIPTION
bool	

Setter

Declaration

```
public V8FunctionCallback Setter
```

Field Value

TYPE	DESCRIPTION
V8FunctionCallback	

Class TypeRegisterInfo

Inheritance

object
TypeRegisterInfo

Inherited Members

- object.ToString()
- object.Equals(object)
- object.Equals(object, object)
- object.ReferenceEquals(object, object)
- object.GetHashCode()
- object.GetType()
- object.MemberwiseClone()

Namespace: PuerTsPlugin.[PuerTS_MCS.Puerts.Wrapper](#)
Assembly: PuerTS_MCS.dll

Syntax

```
public class TypeRegisterInfo
```

Fields

BlittableCopy

Declaration

```
public bool BlittableCopy
```

Field Value

TYPE	DESCRIPTION
bool	

Constructor

Declaration

```
public V8ConstructorCallback Constructor
```

Field Value

TYPE	DESCRIPTION
V8ConstructorCallback	

LazyMembers

Declaration

```
public List<LazyMemberRegisterInfo> LazyMembers
```

Field Value

TYPE	DESCRIPTION
List< LazyMemberRegisterInfo >	

Methods

Declaration

```
public Dictionary<MethodKey, V8FunctionCallback> Methods
```

Field Value

TYPE	DESCRIPTION
Dictionary<MethodKey, V8FunctionCallback>	

Properties

Declaration

```
public Dictionary<string, PropertyRegisterInfo> Properties
```

Field Value

TYPE	DESCRIPTION
Dictionary<string, PropertyRegisterInfo>	

Namespace PuerTsPlugin.PuerTS_MCS.Util

Classes

[DllTool](#)

Class DllTool

Inheritance

object

DllTool

Inherited Members

object.ToString()

object.Equals(object)

object.Equals(object, object)

object.ReferenceEquals(object, object)

object.GetHashCode()

object.GetType()

object.MemberwiseClone()

Namespace: PuerTsPlugin.**PuerTS_MCS.Util**

Assembly: PuerTS_MCS.dll

Syntax

```
public class DllTool
```

Methods

LoadDllFile(string, string)

手动加载 DLL 文件方法

Declaration

```
public static void LoadDllFile(string dir, string fileName)
```

Parameters

TYPE	NAME	DESCRIPTION
string	dir	DLL 文件存放路径
string	fileName	DLL 文件名称