

MBS REALbasic Main Plugin Documentation

Christian Schmitz

August 24, 2010

0.1 Introduction

This is the PDF version of the documentation for the REALbasic Plug-in from Monkeybread Software Germany. Plugin part: MBS REALbasic Main Plugin

0.2 Content

- 1 List of all topics 3
- 2 All items in this plugin 5
- 4 List of all modules 13
- 5 List of all global methods 15

Chapter 1

List of Topics

• 2 Registration	5
– 2.1 Globals	5
* 2.1 LogoMBS(size as integer) as Picture	5
* 2.1 MBSPluginCompileDate as string	5
* 2.1 MBSPluginCompileTime as string	6
* 2.1 MBSPluginVersion as string	6
* 2.1 RegisterMBSPlugin(name as string, product as string, enddate as integer, serial as integer) as boolean	6
* 2.1 RegisterMBSPlugin(name as string, product as string, serial as integer) as boolean	8
– 2.2 module MBS	9
* 2.2.1 BuildNumber = 16462	9
* 2.2.1 CompileDate = "Aug 24 2010"	9
* 2.2.1 CompileTime = "11:58:37"	9
* 2.2.1 Copyright = " 2009 by Monkeybread Software"	10
* 2.2.1 Version = "MBS Realbasic Plugin 10.4 (build 16462) Tue Aug 24 09:42:05 2010 (GMT)"	10
* 2.2.1 Website = "http://www.monkeybreadsoftware.de"	10
* 2.2.1 Year = 2010	10
• 3 System	11
– 3.1 Globals	11
* 3.1 InstallSystemExceptionHandlerMBS(Message as string = "")	11

Chapter 2

Registration

2.1 Globals

LogoMBS(size as integer) as Picture

global method, Registration, MBS REALbasic Main Plugin (MonkeybreadLogo), Plugin version: 8.5, console safe in REAL Studio 2010r3 or newer, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: Returns the MBS logo picture.

Notes:

Best size is 500 pixel.

This function exists to provide a sample picture for examples.

MBSPluginCompileDate as string

global method, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 6.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: Compilation date of the plugins.

Example:

```
MsgBox MBSPluginCompileDate
```

Notes:

e.g. "Aug 27 2006"

Actually the compilation date of the Version Plugin part which defines this function.

MBSPluginCompileTime as string

global method, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 6.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: Compilation Time of the plugins.

Example:

```
MsgBox MBSPluginCompileTime
```

Notes:

e.g. "19:40:16"

Actually the compilation date of the Version Plugin part which defines this function.

MBSPluginVersion as string

global method, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 3.1, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: Returns a version string from the plugin.

Notes: You can show that in your about box so your users can tell you which plugin they use.

RegisterMBSPlugin(name as string, product as string, enddate as integer, serial as integer) as boolean

global method, Registration, MBS REALbasic Main Plugin (Registration), Plugin version: 6.5, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: The function to register the plugins.

Example:

```
const name="Joe Smith"
const serialnumber=123456789
const enddate = 200710

if not RegisterMBSPlugin(name,"MBS2007", enddate, serialnumber) then
msgBox "something wrong with the serial number of the plugins!"
end if
```

Notes:

Returns true if name and serial number is accepted.

While you are running your project in Realbasic you don't need to register, but if you compile for any target, you should or nice popup windows will show that the app is not registered.

Register in an application subclass to make registering as early as possible.

In case you get this message: "RegisterMBSPlugin()", giving the message "This item conflicts with another item of the same name" you have something else in your plugins folder, e.g. a html file.

Possible reasons for this failing:

- The calculations you make on the strings or serial number do not create the same value on every machine (Intel vs. PPC, e.g. endian problems)
- You use MBS functions before calling registration function (e.g. you register in window.open event and use the plugin for a control.)
- You mix different plugin versions in your Realbasic folder.

This function works only for 2007 serial numbers.

See also:

- 2.1 RegisterMBSPlugin(name as string, product as string, serial as integer) as boolean

RegisterMBSPlugin(name as string, product as string, serial as integer) as boolean

global method, Registration, MBS REALbasic Main Plugin (Registration), Plugin version: 3.0, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: The function to register the plugins.

Example:

```
const name="Joe Smith"
const serialnumber=123456789
const enddate = 200710

if not RegisterMBSPlugin(name,"MBS2003", enddate, serialnumber) then
  MsgBox "something wrong with the serial number of the plugins!"
end if
```

Notes:

Returns true if name and serial number is accepted.

While you are running your project in Realbasic you don't need to register, but if you compile for any target, you should or nice popup windows will show that the app is not registered.

Register in an application subclass to make registering as early as possible.

In case you get this message: "RegisterMBSPlugin()", giving the message "This item conflicts with another item of the same name" you have something else in your plugins folder, e.g. a html file.

Possible reasons for this failing:

- The calculations you make on the strings or serial number do not create the same value on every machine (Intel vs. PPC, e.g. endian problems)
- You use MBS functions before calling registration function (e.g. you register in window.open event and use the plugin for a control.)
- You mix different plugin versions in your Realbasic folder.

See also:

- 2.1 RegisterMBSPlugin(name as string, product as string, enddate as integer, serial as integer) as boolean

2.2 module MBS

module MBS

module from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: The module with version details.

2.2.1 Constants

BuildNumber = 16462

const from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: The build number of the plugins.

Notes: The constant value is not in this documentation as it changes too often.

CompileDate = "Aug 24 2010"

const from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: The compilation date of the plugin.

Notes: The constant value is not in this documentation as it changes too often.

CompileTime = "11:58:37"

const from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: The compilation time of the plugin.

Notes: The constant value is not in this documentation as it changes too often.

Copyright = " 2009 by Monkeybread Software"

const from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: The plugin copyright string.

Version = "MBS Realbasic Plugin 10.4 (build 16462) Tue Aug 24 09:42:05 2010 (GMT)"

const from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: The plugin version string.

Website = "http://www.monkeybreadsoftware.de"

const from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: The URL for the Monkeybread Software website.

Year = 2010

const from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

Function: The year of the plugin.

Chapter 3

System

3.1 Globals

```
InstallSystemExceptionHandlerMBS(Message as string = "")
```

global method, System, MBS REALbasic Main Plugin (ExceptionHandler), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Does nothing, Linux x86: Works.

Function: Installs an exception handler to show a message dialog with custom message before the app crashes.

Example:

```
InstallSystemExceptionHandlerMBS "My message"
```

Notes:

If message is empty, the default message is "An unhandled C++ exception occurred. The application will now quit. A common reason for this is simply running out of memory."

Also we allocate some memory which we release later to make sure there is free memory for the message box.

On Windows this method does not work as currently we use static runtime on Windows which does not

allow the plugin to access the runtime inside the RB framework.

Chapter 4

List of all modules

- MBS

9

Chapter 5

List of all global methods

- 3.1 InstallSystemExceptionHandlerMBS(Message as string = "") 11
- 2.1 LogoMBS(size as integer) as Picture 5
- 2.1 MBSPluginCompileDate as string 5
- 2.1 MBSPluginCompileTime as string 6
- 2.1 MBSPluginVersion as string 6
- 2.1 RegisterMBSPlugin(name as string, product as string, enddate as integer, serial as integer) as boolean 6
- 2.1 RegisterMBSPlugin(name as string, product as string, serial as integer) as boolean 8