

# MBS REALbasic PHP 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 PHP Plugin

## 0.2 Content

- 1 List of all topics 3
- 2 All items in this plugin 5
- 3 List of all classes 13

# Chapter 1

## List of Topics

|  |    |
|--|----|
| • 2 PHP  | 5  |
| – 2.1 class PHPMBS   | 5  |
| * 2.1.1 CallbackArgumentCount as integer                     | 5  |
| * 2.1.1 CallbackArgumentDouble(index as integer) as double   | 6  |
| * 2.1.1 CallbackArgumentInteger(index as integer) as integer | 6  |
| * 2.1.1 CallbackArgumentString(index as integer) as string   | 6  |
| * 2.1.1 Constructor  | 6  |
| * 2.1.1 Execute(code as string) as string                    | 7  |
| * 2.1.1 existsVariable(name as string) as boolean            | 7  |
| * 2.1.1 getVariable(name as string) as string                | 7  |
| * 2.1.1 LoadAPI(path as string) as boolean                   | 8  |
| * 2.1.1 LoadDLL(DLLData as string) as boolean                | 8  |
| * 2.1.1 LoadLibrary(file as folderitem) as boolean           | 9  |
| * 2.1.1 LoadLibrary(path as string) as boolean               | 9  |
| * 2.1.1 Run(code as string) as boolean                       | 9  |
| * 2.1.1 setVariable(name as string, value as string)         | 10 |
| * 2.1.2 Inited as Boolean                                    | 10 |
| * 2.1.2 Loaded as Boolean                                    | 11 |
| * 2.1.3 Callback as variant                                  | 11 |
| * 2.1.3 LogMessage(message as string)                        | 11 |
| * 2.1.3 Write(data as string)                                | 12 |



# Chapter 2

# PHP

## 2.1 class PHPMBS

**class PHPMBS**

class, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.6, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** A class for the PHP library.

**Notes:** For Linux and Mac OS X the PHP library is included in the plugin.

### 2.1.1 Methods

**CallbackArgumentCount as integer**

method from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.6, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Returns the number of arguments to the callback event.

**Notes:** Returns 0 on any error.

**CallbackArgumentDouble(index as integer) as double**

method from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.6, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Converts the parameter with the given index to double and returns it.

**Notes:** Returns 0 on any error.

**CallbackArgumentInteger(index as integer) as integer**

method from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.6, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Converts the parameter with the given index to integer and returns it.

**Notes:** Returns 0 on any error.

**CallbackArgumentString(index as integer) as string**

method from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.6, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Converts the parameter with the given index to string and returns it.

**Notes:** Returns an empty string on any error.

**Constructor**

method from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.6, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Initializes the PHP engine.

**Example:**

```
const path="php.dll"  
call PHPMBS.LoadAPI(path) // load the dll  
dim p as new PHPMBS // initialize  
  
if p.inited then // worked?
```

```
msgbox "ok"  
end if
```

**Notes:** In older plugins this work was done by the method Init.

### Execute(code as string) as string

method from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.7, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Runs php code.

**Example:**

```
dim p as PHPMBS  
  
p=new PHPMBS  
MsgBox p.Execute("echo ""Hello"";")
```

**Notes:** Same as run, but does not call the write event, but return the whole output as one big string.

### existsVariable(name as string) as boolean

method from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.6, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Checks whether variable exists or not.

**Notes:** getVariable returns "" for variables which don't exist, but your variable may just be an empty string so this function lets you know whether the variable actually exists.

### getVariable(name as string) as string

method from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.6, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Returns value of the variable with the given name.

**Notes:** Returns an empty string if the variable name is wrong.

### LoadAPI(path as string) as boolean

shared method from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.6, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Loads the DLL on Windows.

**Example:**

```
dim p as MYPHP

# if TargetWin32
if not MYPHP.LoadAPI("C:\Programme\PHP\php5ts.dll") then
MsgBox "Failed to load php dll."
end if
# endif
p=new MYPHP
```

**Notes:**

Please pass a string pointing to the php5ts.dll file.

Returns true on success and false on any error.

Added Mac OS X and Linux support in plugin version 7.7.

From Version 8.4 on this is a shared method so you can call it anywhere.

Use LoadDLL to load the DLL from a string in memory.

Deprecated in plugin version 10.4.

### LoadDLL(DLLData as string) as boolean

shared method from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 9.2, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Loads the DLL on Windows from the given string.

**Notes:**

Please pass a string containing the php5ts.dll file content. (not path!)

Returns true on success and false on any error.

It may be possible that your PHP dll is not compatible with this way of loading which results in crashes.

Use LoadAPI if you want to pass a file path.

Deprecated in plugin version 10.4.

### **LoadLibrary(file as folderitem) as boolean**

shared method from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Loads the EyeOne shared library.

**Notes:** Loads a Windows DLL, a Linux shared library, a Mac OS X shared library from the given path.

See also:

- 2.1.1 LoadLibrary(path as string) as boolean

9

### **LoadLibrary(path as string) as boolean**

shared method from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Loads the EyeOne shared library.

**Notes:** Loads a Windows DLL, a Linux shared library, a Mac OS X shared library from the given path.

See also:

- 2.1.1 LoadLibrary(file as folderitem) as boolean

9

### **Run(code as string) as boolean**

method from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.6, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Runs PHP code.

**Example:**

```
dim php as PHPMBS // your php object

if php.run("echo 1+2;") then
// ok
else
// failed
end if
```

**Notes:**

Returns true on success.

Returns false on any compilation error or the library is not loaded/available.

You need to wrap your code into exception handlers as the plugin will ignore all exceptions and if you want to find errors, you need to catch them yourself.

**setVariable(name as string, value as string)**

method from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.6, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Sets the variable with the given name to the given value.

## 2.1.2 Properties

**Inited as Boolean**

property from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.6, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Whether the PHP library has been initialized.

**Notes:**

Returns true on success.  
(Read only property)

### Loaded as Boolean

property from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 8.6, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Whether the PHP library has been loaded.

**Notes:**

Returns true on success.  
(Read only property)

### 2.1.3 Events

#### Callback as variant

event from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.6, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The event called when you call the php function callRealbasic()

**Notes:**

Return a variant with double, float, string or integer value.  
Parameters are available using CallbackArgument\* functions.

#### LogMessage(message as string)

event from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.6, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** A message for the log file.

**Notes:** Normally written by apache to the log files.

**Write(data as string)**

event from class PHPMBS, PHP, MBS REALbasic PHP Plugin (PHP), Plugin version: 7.6, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** PHP wants to write some data.

**Notes:**

This text is normally the result, e.g. the content of the website the php code produces.

If php.ini file is used, you need to disable the output\_ buffering option to have this callback working.

## Chapter 3

### List of all classes

- PHPMBS

5