

GemBox Support Center

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How to use GemBox.Spreadsheet in PHP

Mario - GemBox - 2018-04-13 - 2 Comments - in GemBox.Spreadsheet

GemBox.Spreadsheet is a library for the .NET framework that enables developers to manipulate spreadsheet files simply and efficiently. It enables reading, writing, converting and printing of various [spreadsheet file formats](#) (XLSX, XLS, ODS, CSV, HTML, PDF and XPS).

GemBox.Spreadsheet can also be used from the PHP framework. PHP framework provides a [DOTNET class](#) with which we can create an instance of a .NET class. After creating a DOTNET object we can use .NET class members (methods, properties, etc.) from our PHP code.

This article will show the steps for using the GemBox.Spreadsheet library from PHP code.

System Requirements:

1. PHP Framework, version 4.1 or above.
2. .NET Framework, version 3.0 or above.
3. GemBox.Spreadsheet for .NET Framework 3.0 - 4.6.

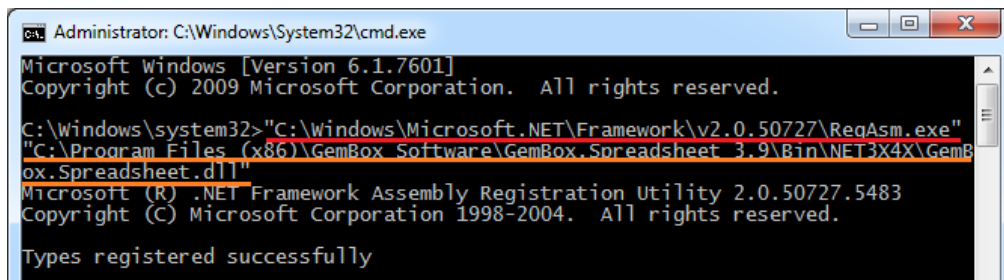
Installation Guide:

1. Download and install the latest version of GemBox.Spreadsheet from [this page](#).
2. Open the Command Prompt (CMD) as Administrator (see [here](#) how to do this).
3. Register GemBox.Spreadsheet to COM by running the following command in CMD:

```
"<path to RegAsm.exe>" "<path to GemBox.Spreadsheet.dll>"
```

E.g:

```
"C:\Windows\Microsoft.NET\Framework\v2.0.50727\RegAsm.exe" "C:\Program Files  
(x86)\GemBox Software\GemBox.Spreadsheet  
3.9\Bin\NET3X4X\GemBox.Spreadsheet.dll"
```



```
Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (C) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\system32>"C:\Windows\Microsoft.NET\Framework\v2.0.50727\RegAsm.exe"
"C:\Program Files (x86)\GemBox Software\GemBox.Spreadsheet 3.9\Bin\NET\X4X\GemBox.Spreadsheet.dll"
Microsoft (R) .NET Framework Assembly Registration Utility 2.0.50727.5483
Copyright (C) Microsoft Corporation 1998-2004. All rights reserved.

Types registered successfully
```

4. Enable usage of DOTNET in php.ini:

```
[COM_DOT_NET]
extension=php_com_dotnet.dll
```

Now we can start using GemBox.Spreadsheet through PHP code.

Sample 1: Create an Excel file in PHP

The following sample demonstrates how we can create a new Excel file:

```
<?php
    // GemBox.Spreadsheet's full name.
    // NOTE: If you're using a newer version you'll need to adjust the
    Version's number below.
    $gbs_full_name = "GemBox.Spreadsheet, Version=39.3.30.1163,
    Culture=neutral, PublicKeyToken=b1b72c69714d4847";
    // Create ComHelper object.
    $com_helper = new DOTNET($gbs_full_name,
    "GemBox.Spreadsheet.ComHelper", CP_UTF8);

    // Set license.
    // NOTE: If you're using a Professional version you'll need to put
    your serial key below.
    $com_helper->ComSetLicense("FREE-LIMITED-KEY");
    // Create new excel file.
    $workbook = new DOTNET($gbs_full_name,
    "GemBox.Spreadsheet.ExcelFile", CP_UTF8);

    // Create new sheet.
    $worksheet = $workbook->Worksheets->Add("Hello World Sheet");
    // Get A1 cell.
    $cell = $worksheet->Cells->Item(0);
    // Set A1 cell's value.
    $cell->Value = "Hello World";
    // Save "HelloWorld.xlsx" file.
    $file_name = "HelloWorld.xlsx";
```

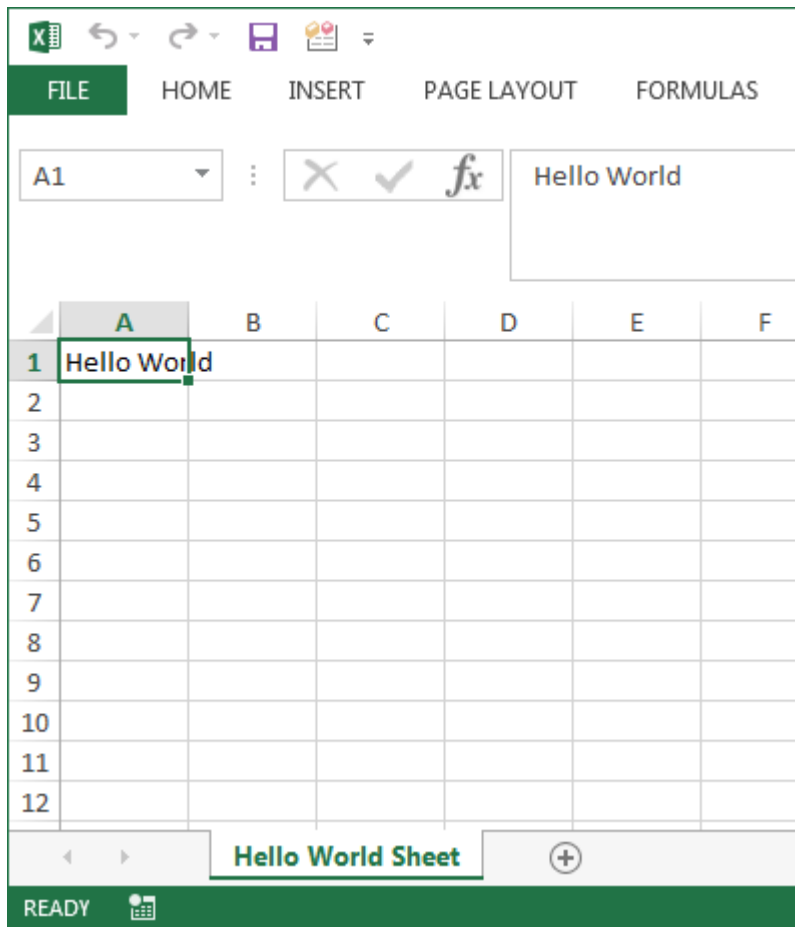
```

$file_path = getcwd() . "\\\" . $file_name;
$workbook->Save($file_path);
// Download "HelloWorld.xlsx" file.
$type = filetype($file_path);
header("Content-type: $type");
header("Content-Disposition: attachment;filename=$file_name");
readfile($file_path);

```

?>

The resulting [HelloWorld.xlsx](#) file:



Sample 2: Read and Write Excel file in PHP

The following sample demonstrates how we can load an existing Excel file, update it with some new data, and save it as a PDF file:

```
<?php
```

```

// GemBox.Spreadsheet's full name.
// NOTE: If you're using a newer version you'll need to adjust the
Version's number below.
$gbs_full_name = "GemBox.Spreadsheet, Version=39.3.30.1163,
Culture=neutral, PublicKeyToken=b1b72c69714d4847";

```

```

// Create ComHelper object.
$com_helper = new DOTNET($gbs_full_name,
"GemBox.Spreadsheet.ComHelper", CP_UTF8);


// Set license.
// NOTE: If you're using a Professional version you'll need to put
your serial key below.
$com_helper->ComSetLicense("FREE-LIMITED-KEY");
// Load excel file.
$workbook = $com_helper->Load(getcwd() . "\\Input.xlsx");
// Get first sheet.
$worksheet = $workbook->Worksheets->Item(0);
// Create new data.
$new_data = array("Bob Garvey"=>1000, "Ben Stilwell"=>2000, "Peter
Pan"=>3000);
// Get cells from "A6" to "B8".
$cells_range = $worksheet->Cells->GetSubrange("A6", "B8");
// Update cells with new data.
$cell_index = 0;
foreach($new_data as $name => $salary) {
    $cells_range->Item($cell_index++)->Value = $name;
    $cells_range->Item($cell_index++)->Value = $salary;
}
// Save "Output.pdf" file.
$file_name = "Output.pdf";
$file_path = getcwd() . "\\\" . $file_name;
$workbook->Save($file_path);
// Download "Output.pdf" file.
$type = filetype($file_path);
$header("Content-type: $type");
$header("Content-Disposition: attachment;filename=$file_name");
readfile($file_path);
?>

```

Used input [Input.xlsx](#) file:

	A	B	C
1	Name	Salary	
2	John Doe	\$3,472	
3	Fred Nurk	\$3,061	
4	Hans Meier	\$3,006	
5	Ivan Horvat	\$4,848	
6			
7			
8			
9			
10			
11			
12			
13			
14			

Employees

READY 

The resulting [Output.pdf](#) file:

Name	Salary
John Doe	\$3,472
Fred Nurk	\$3,061
Hans Meier	\$3,006
Ivan Horvat	\$4,848
Bob Garvey	\$1,000
Ben Stilwell	\$2,000
Peter Pan	\$3,000