



Principi softverskog inženjerstva

Vežbe - XII nedelja

PHP Doc

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PHP Doc

Alat za pisanje dokumentacije

- Verzija alata JavaDoc za programski jezik PHP
- Standard za komentarisanje PHP koda
- Omogućava generisanje spoljnog dokumenta
- Služi za bolje tumačenje tipova promenljivih i drugih nedorečenosti, objašnjenje lošije kucanog koda, uklanjanje grešaka,...
- Postoji u različitim okruženjima - NetBeans, Aptana studio, PHPEdit, Zend Studio,...
- Veb interfejs je moguć uz Apache ili neki veb server (i PHP treba da radi na istom serveru)

Web interfejs

The screenshot shows a Mozilla Firefox browser window with the title "docBuilder - phpDocumentor web interface - Mozilla Firefox". The address bar shows the URL "http://localhost/~AnaMaria/phpdoc/PhpDocumentor/". The browser's menu bar includes "File", "Edit", "View", "History", "Bookmarks", "Tools", and "Help". The toolbar contains navigation buttons and a search box with "phpdoc templates". The browser's status bar shows several open tabs: "docBuilder - phpD...", "FREE AOL Mail", "PHPDoc - Wikipedia, ...", "PhpDoc - Meta", "HOWTO Install and u...", and "Documenting PHP Co...".

The main content area of the browser displays the "docBuilder :: phpDocumentor v1.3.1 Web Interface". The page has a blue header with the text "Powered by phpDocumentor docBuilder :: phpDocumentor v1.3.1 Web Interface". Below the header is a navigation menu with tabs for "Introduction", "Config", "Files", "Output", "Options", "Credits", and "Links". The "Introduction" tab is selected.

The main content area contains the following text:

Welcome to **docBuilder**.

This is the new web-interface for running, in our opinion, the best in-code documentation compiler there is: **phpDocumentor**.

What's new in this release? Heaps of things, but here are the headlines:

- ◆ Much greater support for PEAR on both windows and linux
- ◆ CHM, PDF and XML:DocBook/peardoc2 converters are all stable!
- ◆ New tokenizer-based parser is literally twice as fast as the old parser (requires PHP 4.3.0+)
- ◆ New external user-level manual parsing and generation allows cross-linking between API docs and DocBook-format tutorials/manuals!
- ◆ Color syntax source highlighting and cross-referencing with documentation of source code in HTML, CHM and PDF with customizable templating
- ◆ New Configuration files simplify repetitive and complex documentation tasks
- ◆ Brand new extensive manual - which can be generated directly from the source using makedocs.ini!
- ◆ Many improvements to in-code API documentation including new tags, and better handling of in-code html tags

At the bottom of the browser window, there is a "Working Directory" field containing "C:\Documents and Settings\AnaMaria\My Documents\unix_web\" and a "create" button. Below this is a "create (new window)" button. The status bar at the bottom of the browser window shows "Done".

Web interfejs - Rad sa fajlovima

The screenshot shows a Mozilla Firefox browser window displaying the docBuilder web interface. The browser's address bar shows the URL `http://localhost/~AnaMaria/phpdoc/PhpDocumentor/`. The interface has a blue header with the text "Powered by phpDocumentor docBuilder :: phpDocumentor v1.3.1 Web Interface". Below the header is a navigation menu with tabs for "Introduction", "Config", "Files", "Output", "Options", "Credits", and "Links". The main content area is divided into three sections:

- Files to parse:** A text input field is empty. To its right, the text reads: "This is a group of comma-separated names of php files or tutorials that will be processed by phpDocumentor."
- Directory to parse:** The text input field contains the path `C:\Documents and Settings\AnaMaria\My Documents\unix_web\my_source_directory`. To its right, the text reads: "This is a group of comma-separated directories where php files or tutorials are found that will be processed by phpDocumentor. phpDocumentor automatically parses subdirectories"
- Files to ignore:** The text input field is empty. To its right, the text reads: "A list of files (full path or filename), and patterns to ignore. Patterns may use wildcards * and ?. To ignore all subdirectories named 'test' for example, using 'test/' To ignore all files and directories with test in their name use '*test*'"

At the bottom of the interface, there is a "Working Directory" field containing the path `C:\Documents and Settings\AnaMaria\My Documents\unix_web\` and a "create" button. Below this, the status bar shows "Conversion time: 10 seconds" and "Total Documentation Time: 10 seconds done". A large green banner at the bottom of the interface reads "Operation Completed!!".

Web interfejs - Izlaz

The screenshot shows a Mozilla Firefox browser window displaying the docBuilder web interface. The browser's address bar shows the URL `http://localhost/~AnaMaria/phpdoc/PhpDocumentor/`. The page title is "docBuilder - phpDocumentor web interface - Mozilla Firefox". The interface includes a navigation menu with tabs for "Introduction", "Config", "Files", "Output", "Options", "Credits", and "Links". The "Output" tab is selected, showing configuration options for the output format and target directory. The "Target" field is set to `C:\Documents and Settings\AnaMaria\My Documents\unix_web\mydoc`. The "Output Format" is set to `HTML:Smarty:default`. Below the "Output Format" field, there is a dropdown menu showing "HTML:Smarty:default" and a link to "Add the converter in the help box". A small thumbnail image of the "phpDocumentor Guide to Creating" is visible. The "Working Directory" field is set to `C:\Documents and Settings\AnaMaria\My Documents\unix_web\`. The "create" button is highlighted. The status bar at the bottom shows "Done".

docBuilder - phpDocumentor web interface - Mozilla Firefox

File Edit View History Bookmarks Tools Help

`http://localhost/~AnaMaria/phpdoc/PhpDocumentor/` how to get a screen shot

Customize Links Free AOL & Unlimited ... Free Hotmail Windows Marketplace Windows Media Windows

Disable Cookies CSS Forms Images Information Miscellaneous Outline Resize Tools View Source Options

docBuilder - phpD... FREE AOL Mail Sign In Windows Marketplac... Home - WindowsMed... Windows Home Page

Powered by **phpDocumentor** docBuilder :: phpDocumentor v1.3.1 Web Interface

Introduction Config Files **Output** Options Credits Links

Target `C:\Documents and Settings\AnaMaria\My Documents\unix_web\mydoc` Target is the directory where the output produced by phpDocumentor will reside.

Output Format `HTML:Smarty:default` Outputformat may be HTML, XML, PDF, or CHM (case-sensitive) in version 1.2. There is only one Converter for both CHM and PDF: *default*. There are 2 HTML Converters: *frames* or *Smarty*. **frames templates** may be any of: *default, earthli, 10133t, phpdoc.de, phpthmlib, phpedit, DOM/default, DOM/earthli, DOM/10133t, DOM/phpthmlib, or DOM/phpdoc.de*. **Smarty templates** may be any of: *default, HandS, or PHP*. **XML:DocBook/peardoc2:default** is the only choice for XML in 1.2.2

Output type: Converter name: template name
`HTML:Smarty:default`
[Add the converter in the help box](#)

Working Directory `C:\Documents and Settings\AnaMaria\My Documents\unix_web\` create create (new window)

Conversion time: 7 seconds

Total Documentation Time: 7 seconds done

Operation Completed!!

Done

Dokumentacija

Element Index - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost/~AnaMaria/mydoc/elementindex.html

phpdoc templates

Customize Links Free AOL & Unlimited ... Free Hotmail Windows Marketplace Windows Media Windows

Disable Cookies CSS Forms Images Information Miscellaneous Outline Resize Tools View Source Options

Element Index FREE AOL Mail PHPDoc - Wikipedia, ... PhpDoc - Meta HOWTO Install and u... Documenting PHP Co...

[[Class Tree:](#)] [[Index:](#)] [[All elements](#)]

Packages:

- [default](#)
- [sample](#)
- [sample1](#)

Index of All Elements

[a](#) [b](#) [f](#) [m](#) [p](#) [s](#) [t](#) [top](#)

a

anotherconstant
in file sample2.php, constant [anotherconstant](#)
second constant

anotherconstant
in file sample1.php, constant [anotherconstant](#)

[top](#)

b

babyclass
in file sample2.php, method [babyclass::babyclass\(\)](#)
Calls parent constructor, then increments \$firstvar

babyclass
in file sample2.php, class [babyclass](#)

babyclass
in file sample1.php, method [babyclass::babyclass\(\)](#)

babyclass

Done

DocBlock

- DocBlock je proširenje C++
- Blok počinje sa `/**` i ima `*` na početku svake linije
- Blok prethodi elementu koji se dokumentuje
- Svaka linija u okviru bloka koja ne počinje sa `*` će biti ignorisana
- Završava se sa `**/`
- `@` je specijalni način za početak DocBlock linije



● Inicijalizacija PHPDoc

```
define("PHPDOC_INCLUDE_DIR", "C:/Program Files/Apache Software  
Foundation/Apache2.2/htdocs/PHPDoc/");  
define("LINEBREAK", "\r\n");  
include("PHPDoc/prepend.php");  
  
$doc = new Phpdoc;  
$doc->setApplication("Joe's Resume");  
$doc->setSourceDirectory(PHPDOC_INCLUDE_DIR);  
$doc->setTarget(PHPDOC_INCLUDE_DIR."apidoc/resume/");  
$doc->  
    >setTemplateDirectory(PHPDOC_INCLUDE_DIR."renderer/html/templ  
        ates/");  
$doc->setSourceFileSuffix( array ("php", "inc") );
```

● Obrada dokumenta

```
$doc->parse();  
$doc->render();
```


Primer 1



- Primer 1

```
/**
```

```
* This is a DocBlock comment
```

```
*/
```

```
function izracunajPoene() { }
```

Primer 2



● Primer 2

```
/**  
 * DocBlock za funkciju izracunajOcenu?  
 *  
 * Ne, ovo je komentar za konstantu ocena!  
 */  
define('ocena',6);  
function izracunajOcenu($param = ocena) { }
```

Primer 3



- Primer 3

```
/**
 * Author: Drazen
 * A sample function docblock
 * @global string document the fact that this function uses $_myvar
 * @staticvar integer $staticvar this is actually what is returned
 * @param string $param1 name to declare
 * @param string $param2 value of the name
 * @return integer
 */
function firstFunc($param1, $param2 = 'optional')
{
    static $staticvar = 7;
    global $_myvar;
    return $staticvar;
}
```

Šta se dokumentuje?



- define() izrazi, funkcije, klase, klasne metode i varijable, include() izrazi, globalne varijable
- Blok sadrži tri osnovna segmenta u ovom redosledu:
 - Kratak opis
 - Duži opis
 - Tag

Kratki i duži komentari



● Primer 3

```
/**  
 * return the date of Easter  
 *  
 * Using the formula from "Formulas that are way too complicated for anyone to  
 * ever understand except for me" by Irwin Nerdy, this function calculates the  
 * date of Easter given a date in the Ancient Mayan Calendar, if you can also  
 * guess the birthday of the author.  
 */
```

XHTML tagovi u komentarima

Možemo koristiti:

- `` -- emphasize/bold text
- `<code>` -- Use this to surround php code, some converters will highlight it
- `
` -- hard line break, may be ignored by some converters
- `<i>` -- italicize/mark as important
- `<kbd>` -- denote keyboard input/screen display
- `` -- list item
- `` -- ordered list
- `<p>` -- If used to enclose all paragraphs, otherwise it will be considered text
- `<pre>` -- Preserve line breaks and spacing, and assume all tags are text (like XML's CDATA)
- `<samp>` -- denote sample or examples (non-php)
- `` -- unordered list
- `<var>` -- denote a variable name

DocBlock šabloni



- Počinju sa:

```
/**#@+ * */
```

- Završavaju se sa:

```
/**#@-*/
```

Tagovi (1)



Tag	Usage	Description
@abstract		Documents an abstract class, class variable or method.
@access	public, private or protected	Documents access control for an element. @access private indicates that documentation of element be prevented.
@author	author name <author@email>	Documents the author of the current element.
@copyright	name date	Documents copyright information.
@deprecated	version	Documents a method as deprecated.
@deprec		Same as @deprecated
@example	/path/to/example	Documents the location of an external saved example file.
@exception		Documents an exception thrown by a method — also see @throws.
@global	type \$globalvarname	Documents a global variable or its use in a function or method.
@ignore		Prevents the documentation of an element
@internal		Private information for advanced developers

Tagovi (2)

@link	URL	
@name	global variable name	Specifies an alias for a variable. For example, \$GLOBALS['myvariable'] becomes \$myvariable
@magic		phpdoc.de compatibility " phpDocumentor tags ".
@package	name of a package	Documents a group of related classes and functions.
@param	type [\$varname] description	
@return	type description	This tag should not be used for constructors or methods defined with a <i>void</i> return type. [citation needed]
@see	element	Documents an association to any element (global variable, include, page, class, function, define, method, variable).
@since	version	Documents when a method was added to a class.
@static		Documents a static class or method
@staticvar	type	Documents a static variable's use in a function or class
@subpackage		
@throws		Documents an exception thrown by a method.
@todo		Documents things that need to be done to the code at a later date.
@var	Type	A data type for a class variable
@version		Provides the version number of a class or method.

DocBlock šabloni



- PHPDoc omogućava programerima da smanje nepotrebno kucanje koristeći DocBlock templates

Pre DocBlock šablona



```
class Bob
{
    // beginning of docblock template area
    /**#@+
        * @access private
    * @var string
    */
    var $_var1 = 'hello';
        var $_var2 = 'my';
/**
 * Two words
 */
        var $_var8 = 'like strings';
    /**#@-*/
    var $publicvar = 'Lookee me!';
}
```

Posle DocBlock šablona



```
class Bob
{
    // beginning of docblock template area
        /**
            * @access private
            * @var string
            */
    var $_var1 = 'hello';
    /**
        * @access private
        * @var string
        */
    var $_var2 = 'my';
    /**
        * @access private
        * @var string
        */
        /**
        * Two words
        */
        var $_var8 = 'like strings';
    var $publicvar = 'Lookee me!';
}
```

Zaključak



- Dokumentacija neophodna u kodiranju!
- PHPDoc dobar za dokumentovanje klasa i funkcija
- Stranice nešto sporije
- PHPDoc dokumentacija može se generisati u svakom trenutku
- PHPDoc vrlo jednostavan za korišćenje