

Pspell

Introduction

These functions allow you to check the spelling of a word and offer suggestions.

Installing/Configuring

Requirements

To compile PHP with pspell support, you need the aspell library, available from
» <http://aspell.sourceforge.net/>.

Installation

If you have the libraries needed add the `--with-pspell[=dir]` option when compiling PHP.

Note

Note to Win32 Users

In order for this extension to work, there are DLL files that must be available to the Windows system *PATH*. For information on how to do this, see the FAQ entitled " [How do I add my PHP directory to the PATH on Windows](#) ". Although copying DLL files from the PHP folder into the Windows system directory also works (because the system directory is by default in the system's *PATH*), this is not recommended. *This extension requires the following files to be in the PATH: aspell-15.dll* from the *bin* folder of the aspell installation.

Win32 support is available only in PHP 4.3.3 and later versions. Also, at least aspell version 0.50 is required.

Runtime Configuration

This extension has no configuration directives defined in *php.ini*.

Resource Types

This extension has no resource types defined.

Predefined Constants

The constants below are defined by this extension, and will only be available when the extension has either been compiled into PHP or dynamically loaded at runtime.

PSPELL_FAST ([integer](#))

PSPELL_NORMAL ([integer](#))

PSPELL_BAD_SPELLERS ([integer](#))

PSPELL_RUN_TOGETHER ([integer](#))

Pspell Functions

pspell_add_to_personal

pspell_add_to_personal -- Add the word to a personal wordlist

Description

bool **pspell_add_to_personal** (int \$dictionary_link, string \$word)

[pspell_add_to_personal\(\)](#) adds a word to the personal wordlist. If you used [pspell_new_config\(\)](#) with [pspell_config_personal\(\)](#) to open the dictionary, you can save the wordlist later with [pspell_save_wordlist\(\)](#).

Parameters

dictionary_link

word

The added word.

Return Values

Returns **TRUE** on success or **FALSE** on failure.

Examples

Example #1 - [pspell_add_to_personal\(\)](#)

```
<?php
$pspell_config = pspell_config_create("en");
pspell_config_personal($pspell_config, "/var/dictionaries/custom.pws");
$pspell_link = pspell_new_config($pspell_config);

pspell_add_to_personal($pspell_link, "Vlad");
pspell_save_wordlist($pspell_link);
?>
```

Notes

Note

This function will not work unless you have pspell .11.2 and aspell .32.5 or later.

pspell_add_to_session

pspell_add_to_session -- Add the word to the wordlist in the current session

Description

bool **pspell_add_to_session** (int \$dictionary_link, string \$word)

[pspell_add_to_session\(\)](#) adds a word to the wordlist associated with the current session. It is very similar to [pspell_add_to_personal\(\)](#).

Parameters

dictionary_link

word

The added word.

Return Values

Returns **TRUE** on success or **FALSE** on failure.

pspell_check

pspell_check -- Check a word

Description

bool **pspell_check** (int \$dictionary_link, string \$word)

[pspell_check\(\)](#) checks the spelling of a word.

Parameters

dictionary_link

word

The tested word.

Return Values

Returns **TRUE** if the spelling is correct, **FALSE** if not.

Examples

Example #2 - pspell_check() Example
<pre><?php \$pspell_link = pspell_new("en"); if (pspell_check(\$pspell_link, "testt")) { echo "This is a valid spelling"; } else { echo "Sorry, wrong spelling"; } ?></pre>

pspell_clear_session

pspell_clear_session -- Clear the current session

Description

bool **pspell_clear_session** (int \$dictionary_link)

[pspell_clear_session\(\)](#) clears the current session. The current wordlist becomes blank, and, for example, if you try to save it with [pspell_save_wordlist\(\)](#), nothing happens.

Parameters

dictionary_link

Return Values

Returns **TRUE** on success or **FALSE** on failure.

Examples

Example #3 - [pspell_add_to_personal\(\)](#) Example

```
<?php
$pspell_config = pspell_config_create("en");
pspell_config_personal($pspell_config, "/var/dictionaries/custom.pws");
$pspell_link = pspell_new_config($pspell_config);

pspell_add_to_personal($pspell_link, "Vlad");
pspell_clear_session($pspell_link);
pspell_save_wordlist($pspell_link);    //"Vlad" will not be saved
?>
```

pspell_config_create

pspell_config_create -- Create a config used to open a dictionary

Description

```
int pspell_config_create ( string $language [, string $spelling [, string $jargon [, string $encoding ] ] ] )
```

Create a config used to open a dictionary.

[pspell_config_create\(\)](#) has a very similar syntax to [pspell_new\(\)](#). In fact, using [pspell_config_create\(\)](#) immediately followed by [pspell_new_config\(\)](#) will produce the exact same result. However, after creating a new config, you can also use **pspell_config_***() functions before calling [pspell_new_config\(\)](#) to take advantage of some advanced functionality.

For more information and examples, check out inline manual pspell website:

» <http://aspell.net/>.

Parameters

language

The language parameter is the language code which consists of the two letter ISO 639 language code and an optional two letter ISO 3166 country code after a dash or underscore.

spelling

The spelling parameter is the requested spelling for languages with more than one spelling such as English. Known values are 'american', 'british', and 'canadian'.

jargon

The jargon parameter contains extra information to distinguish two different words lists that have the same language and spelling parameters.

encoding

The encoding parameter is the encoding that words are expected to be in. Valid values are 'utf-8', 'iso8859-*', 'koi8-r', 'viscii', 'cp1252', 'machine unsigned 16', 'machine unsigned 32'. This parameter is largely untested, so be careful when using.

Return Values

Returns a pspell config identifier, or **FALSE** on error.

Examples

Example #4 - [pspell_config_create\(\)](#)

```
<?php
$pspell_config = pspell_config_create("en");
pspell_config_personal($pspell_config, "/var/dictionaries/custom.pws");
pspell_config_repl($pspell_config, "/var/dictionaries/custom.repl");
$pspell_link = pspell_new_personal($pspell_config, "en");
?>
```

pspell_config_data_dir

pspell_config_data_dir -- location of language data files

Description

bool **pspell_config_data_dir** (int *\$conf*, string *\$directory*)

Warning
This function is currently not documented; only its argument list is available.

Return Values

Returns **TRUE** on success or **FALSE** on failure.

pspell_config_dict_dir

pspell_config_dict_dir -- Location of the main word list

Description

bool **pspell_config_dict_dir** (int *\$conf*, string *\$directory*)

Warning
This function is currently not documented; only its argument list is available.

Return Values

Returns **TRUE** on success or **FALSE** on failure.

pspell_config_ignore

pspell_config_ignore -- Ignore words less than N characters long

Description

bool **pspell_config_ignore** (int \$dictionary_link, int \$n)

[pspell_config_ignore\(\)](#) should be used on a config before calling [pspell_new_config\(\)](#). This function allows short words to be skipped by the spell checker.

Parameters

dictionary_link

n

Words less than *n* characters will be skipped.

Return Values

Returns **TRUE** on success or **FALSE** on failure.

Examples

Example #5 - [pspell_config_ignore\(\)](#)

```
<?php
$pspell_config = pspell_config_create("en");
pspell_config_ignore($pspell_config, 5);
$pspell_link = pspell_new_config($pspell_config);
pspell_check($pspell_link, "abcd");    //will not result in an error
?>
```

pspell_config_mode

pspell_config_mode -- Change the mode number of suggestions returned

Description

bool **pspell_config_mode** (int \$dictionary_link, int \$mode)

[pspell_config_mode\(\)](#) should be used on a config before calling [pspell_new_config\(\)](#). This function determines how many suggestions will be returned by [pspell_suggest\(\)](#).

Parameters

dictionary_link

mode

The mode parameter is the mode in which spellchecker will work. There are several modes available:

- **PSPELL_FAST** - Fast mode (least number of suggestions)
- **PSPELL_NORMAL** - Normal mode (more suggestions)
- **PSPELL_BAD_SPELLERS** - Slow mode (a lot of suggestions)

Return Values

Returns **TRUE** on success or **FALSE** on failure.

Examples

Example #6 - pspell_config_mode() Example
<pre><?php \$pspell_config = pspell_config_create("en"); pspell_config_mode(\$pspell_config, PSPELL_FAST); \$pspell_link = pspell_new_config(\$pspell_config); pspell_check(\$pspell_link, "thecat"); ?></pre>

pspell_config_personal

pspell_config_personal -- Set a file that contains personal wordlist

Description

bool **pspell_config_personal** (int \$dictionary_link, string \$file)

Set a file that contains personal wordlist. The personal wordlist will be loaded and used in addition to the standard one after you call [pspell_new_config\(\)](#). The file is also the file where [pspell_save_wordlist\(\)](#) will save personal wordlist to.

[pspell_config_personal\(\)](#) should be used on a config before calling [pspell_new_config\(\)](#).

Parameters

dictionary_link

file

The personal wordlist. If the file does not exist, it will be created. The file should be writable by whoever PHP runs as (e.g. nobody).

Return Values

Returns **TRUE** on success or **FALSE** on failure.

Examples

Example #7 - [pspell_config_personal\(\)](#)

```
<?php
$pspell_config = pspell_config_create("en");
pspell_config_personal($pspell_config, "/var/dictionaries/custom.pws");
$pspell_link = pspell_new_config($pspell_config);
pspell_check($pspell_link, "thecat");
?>
```

Notes

Note

This function will not work unless you have pspell .11.2 and aspell .32.5 or later.

pspell_config_repl

pspell_config_repl -- Set a file that contains replacement pairs

Description

bool **pspell_config_repl** (int \$dictionary_link, string \$file)

Set a file that contains replacement pairs.

The replacement pairs improve the quality of the spellchecker. When a word is misspelled, and a proper suggestion was not found in the list, [pspell_store_replacement\(\)](#) can be used to store a replacement pair and then [pspell_save_wordlist\(\)](#) to save the wordlist along with the replacement pairs.

[pspell_config_repl\(\)](#) should be used on a config before calling [pspell_new_config\(\)](#).

Parameters

dictionary_link

file

The file should be writable by whoever PHP runs as (e.g. nobody).

Return Values

Returns **TRUE** on success or **FALSE** on failure.

Examples

Example #8 - [pspell_config_repl\(\)](#)

```
<?php
$pspell_config = pspell_config_create("en");
pspell_config_personal($pspell_config, "/var/dictionaries/custom.pws");
pspell_config_repl($pspell_config, "/var/dictionaries/custom.repl");
$pspell_link = pspell_new_config($pspell_config);
pspell_check($pspell_link, "thecat");
?>
```

Notes

Note

This function will not work unless you have pspell .11.2 and aspell .32.5 or later.

pspell_config_runtogether

pspell_config_runtogether -- Consider run-together words as valid compounds

Description

bool **pspell_config_runtogether** (int \$dictionary_link, bool \$flag)

This function determines whether run-together words will be treated as legal compounds. That is, "thecat" will be a legal compound, although there should be a space between the two words. Changing this setting only affects the results returned by [pspell_check\(\)](#); [pspell_suggest\(\)](#) will still return suggestions.

[pspell_config_runtogether\(\)](#) should be used on a config before calling [pspell_new_config\(\)](#).

Parameters

dictionary_link

flag

TRUE if run-together words should be treated as legal compounds, **FALSE** otherwise.

Return Values

Returns **TRUE** on success or **FALSE** on failure.

Examples

Example #9 - [pspell_config_runtogether\(\)](#)

```
<?php
$pspell_config = pspell_config_create("en");
pspell_config_runtogether($pspell_config, true);
$pspell_link = pspell_new_config($pspell_config);
pspell_check($pspell_link, "thecat");
?>
```

pspell_config_save_repl

pspell_config_save_repl -- Determine whether to save a replacement pairs list along with the wordlist

Description

bool **pspell_config_save_repl** (int \$dictionary_link, bool \$flag)

[pspell_config_save_repl\(\)](#) determines whether [pspell_save_wordlist\(\)](#) will save the replacement pairs along with the wordlist. Usually there is no need to use this function because if [pspell_config_repl\(\)](#) is used, the replacement pairs will be saved by [pspell_save_wordlist\(\)](#) anyway, and if it is not, the replacement pairs will not be saved.

[pspell_config_save_repl\(\)](#) should be used on a config before calling [pspell_new_config\(\)](#).

Parameters

dictionary_link

flag

TRUE if replacement pairs should be saved, **FALSE** otherwise.

Return Values

Returns **TRUE** on success or **FALSE** on failure.

Notes

Note
This function will not work unless you have pspell .11.2 and aspell .32.5 or later.

pspell_new_config

pspell_new_config -- Load a new dictionary with settings based on a given config

Description

int **pspell_new_config** (int \$config)

[pspell_new_config\(\)](#) opens up a new dictionary with settings specified in a config, created with [pspell_config_create\(\)](#) and modified with **pspell_config_*()** functions. This method provides you with the most flexibility and has all the functionality provided by [pspell_new\(\)](#) and [pspell_new_personal\(\)](#).

Parameters

config

The *config* parameter is the one returned by [pspell_config_create\(\)](#) when the config was created.

Return Values

Returns a dictionary link identifier on success.

Examples

Example #10 - [pspell_new_config\(\)](#)

```
<?php
$pspell_config = pspell_config_create("en");
pspell_config_personal($pspell_config, "/var/dictionaries/custom.pws");
pspell_config_repl($pspell_config, "/var/dictionaries/custom.repl");
$pspell_link = pspell_new_config($pspell_config);
?>
```

pspell_new_personal

pspell_new_personal -- Load a new dictionary with personal wordlist

Description

```
int pspell_new_personal ( string $personal, string $language [, string $spelling [, string  
$jargon [, string $encoding [, int $mode ] ] ] ] )
```

[pspell_new_personal\(\)](#) opens up a new dictionary with a personal wordlist. The wordlist can be modified and saved with [pspell_save_wordlist\(\)](#), if desired. However, the replacement pairs are not saved. In order to save replacement pairs, you should create a config using [pspell_config_create\(\)](#), set the personal wordlist file with [pspell_config_personal\(\)](#), set the file for replacement pairs with [pspell_config_repl\(\)](#), and open a new dictionary with [pspell_new_config\(\)](#).

For more information and examples, check out inline manual pspell website:

» <http://aspell.net/>.

Parameters

personal

The file where words added to the personal list will be stored. It should be an absolute filename beginning with '/' because otherwise it will be relative to \$HOME, which is "/root" for most systems, and is probably not what you want.

language

The language code which consists of the two letter ISO 639 language code and an optional two letter ISO 3166 country code after a dash or underscore.

spelling

The requested spelling for languages with more than one spelling such as English. Known values are 'american', 'british', and 'canadian'.

jargon

Extra information to distinguish two different words lists that have the same language and spelling parameters.

encoding

The encoding that words are expected to be in. Valid values are *utf-8*, *iso8859-**, *koi8-r*, *viscii*, *cp1252*, *machine unsigned 16*, *machine unsigned 32*.

mode

The mode in which spellchecker will work. There are several modes available:

- **PSPELL_FAST** - Fast mode (least number of suggestions)
- **PSPELL_NORMAL** - Normal mode (more suggestions)

- **PSPELL_BAD_SPELLERS** - Slow mode (a lot of suggestions)
- **PSPELL_RUN_TOGETHER** - Consider run-together words as legal compounds. That is, "thecat" will be a legal compound, although there should be a space between the two words. Changing this setting only affects the results returned by [pspell_check\(\)](#); [pspell_suggest\(\)](#) will still return suggestions.

Mode is a bitmask constructed from different constants listed above. However, **PSPELL_FAST**, **PSPELL_NORMAL** and **PSPELL_BAD_SPELLERS** are mutually exclusive, so you should select only one of them.

Return Values

Returns the dictionary link identifier for use in other pspell functions.

Examples

Example #11 - [pspell_new_personal\(\)](#)

```
<?php
$pspell_link = pspell_new_personal ("/var/dictionaries/custom.pws",
    "en", "", "", "", PSPELL_FAST|PSPELL_RUN_TOGETHER);
?>
```


pspell_new

pspell_new -- Load a new dictionary

Description

```
int pspell_new ( string $language [, string $spelling [, string $jargon [, string $encoding  
[, int $mode ] ] ] ] )
```

[pspell_new\(\)](#) opens up a new dictionary and returns the dictionary link identifier for use in other pspell functions.

For more information and examples, check out inline manual pspell website:

» <http://aspell.net/>.

Parameters

language

The language parameter is the language code which consists of the two letter ISO 639 language code and an optional two letter ISO 3166 country code after a dash or underscore.

spelling

The spelling parameter is the requested spelling for languages with more than one spelling such as English. Known values are 'american', 'british', and 'canadian'.

jargon

The jargon parameter contains extra information to distinguish two different words lists that have the same language and spelling parameters.

encoding

The encoding parameter is the encoding that words are expected to be in. Valid values are 'utf-8', 'iso8859-*', 'koi8-r', 'viscii', 'cp1252', 'machine unsigned 16', 'machine unsigned 32'. This parameter is largely untested, so be careful when using.

mode

The mode parameter is the mode in which spellchecker will work. There are several modes available:

- **PSPELL_FAST** - Fast mode (least number of suggestions)
- **PSPELL_NORMAL** - Normal mode (more suggestions)
- **PSPELL_BAD_SPELLERS** - Slow mode (a lot of suggestions)
- **PSPELL_RUN_TOGETHER** - Consider run-together words as legal compounds. That is, "thecat" will be a legal compound, although there should be a space between the two words. Changing this setting only affects the results returned by [pspell_check\(\)](#); [pspell_suggest\(\)](#) will still return suggestions.

Mode is a bitmask constructed from different constants listed above. However, **PSPELL_FAST**, **PSPELL_NORMAL** and **PSPELL_BAD_SPELLERS** are mutually exclusive, so you should select only one of them.

Return Values

Returns the dictionary link identifier on success, or **FALSE** on failure.

Examples

Example #12 - [pspell_new\(\)](#)

```
<?php
$pspell_link = pspell_new("en", "", "", "",
                           (Pspell_FAST|Pspell_RUN_TOGETHER));
?>
```

pspell_save_wordlist

pspell_save_wordlist -- Save the personal wordlist to a file

Description

bool **pspell_save_wordlist** (int \$dictionary_link)

[pspell_save_wordlist\(\)](#) saves the personal wordlist from the current session. The location of files to be saved specified with [pspell_config_personal\(\)](#) and (optionally) [pspell_config_repl\(\)](#).

Parameters

dictionary_link

A dictionary link identifier opened with [pspell_new_personal\(\)](#).

Return Values

Returns **TRUE** on success or **FALSE** on failure.

Examples

Example #13 - [pspell_add_to_personal\(\)](#)

```
<?php
$pspell_config = pspell_config_create("en");
pspell_config_personal($pspell_config, "/tmp/dicts/newdict");
$pspell_link = pspell_new_config($pspell_config);

pspell_add_to_personal($pspell_link, "Vlad");
pspell_save_wordlist($pspell_link);
?>
```

Notes

Note

This function will not work unless you have pspell .11.2 and aspell .32.5 or later.

pspell_store_replacement

pspell_store_replacement -- Store a replacement pair for a word

Description

bool **pspell_store_replacement** (int \$dictionary_link, string \$misspelled, string \$correct)

[pspell_store_replacement\(\)](#) stores a replacement pair for a word, so that replacement can be returned by [pspell_suggest\(\)](#) later. In order to be able to take advantage of this function, you have to use [pspell_new_personal\(\)](#) to open the dictionary. In order to permanently save the replacement pair, you have to use [pspell_config_personal\(\)](#) and [pspell_config_repl\(\)](#) to set the path where to save your custom wordlists, and then use [pspell_save_wordlist\(\)](#) for the changes to be written to disk.

Parameters

dictionary_link

A dictionary link identifier, opened with [pspell_new_personal\(\)](#)

misspelled

The misspelled word.

correct

The fixed spelling for the *misspelled* word.

Return Values

Returns **TRUE** on success or **FALSE** on failure.

Examples

Example #14 - [pspell_store_replacement\(\)](#)

```
<?php
$pspell_config = pspell_config_create("en");
pspell_config_personal($pspell_config, "/var/dictionaries/custom.pws");
pspell_config_repl($pspell_config, "/var/dictionaries/custom.repl");
$pspell_link = pspell_new_config($pspell_config);

pspell_store_replacement($pspell_link, $misspelled, $correct);
pspell_save_wordlist($pspell_link);
?>
```

Notes

Note
This function will not work unless you have pspell .11.2 and aspell .32.5 or later.

pspell_suggest

pspell_suggest -- Suggest spellings of a word

Description

array **pspell_suggest** (int \$dictionary_link, string \$word)

[pspell_suggest\(\)](#) returns an array of possible spellings for the given word.

Parameters

dictionary_link

word

The tested word.

Return Values

Returns an array of possible spellings.

Examples

Example #15 - [pspell_suggest\(\)](#) example

```
<?php
$pspell_link = pspell_new("en");

if (!pspell_check($pspell_link, "testt")) {
    $suggestions = pspell_suggest($pspell_link, "testt");

    foreach ($suggestions as $suggestion) {
        echo "Possible spelling: $suggestion<br />";
    }
}
?>
```